

RAY WILLIAMSON POOL RENOVATION, PHASE 2

PROJECT # 20223

CODE SUMMARY

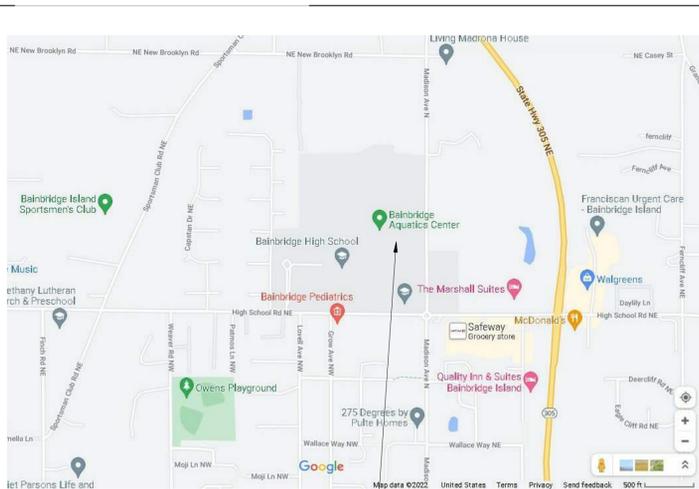
CODE SUMMARY:
 JURISDICTION: BAINBRIDGE ISLAND MUNICIPAL CODE / WASHINGTON STATE AMENDMENTS
 BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE
 FIRE CODE: 2018 INTERNATIONAL FIRE CODE
 ENERGY CODE: 2018 WASHINGTON STATE ENERGY CODE
 MECHANICAL CODE: 2018 INTERNATIONAL MECHANICAL CODE
 PLUMBING CODE: 2018 UNIFORM PLUMBING CODE
 ELECTRICAL CODE: 2020 NEC ELECTRICAL CODE
 ACCESSIBILITY: 2009 ICC A117.1/DOJWA STATE
 FULLY SPRINKLER BUILDING - (E) NO CHANGE

SITE AND BUILDING DATA

SITE ADDRESS: 8521 MADISON AVE N, BAINBRIDGE ISLAND, WA 98110
ASSESSOR'S PARCEL NO.: 222502-4-003-2008
LOT AREA: 73.75 ACRES (APPROX. 3,212,550 SQ. SF.)
ZONING: INCORPORATED CITY
CONSTRUCTION TYPE: VA
NUMBER OF STORIES: 1 STORY EXISTING
PARKING: NO CHANGE

LEGAL DESCRIPTION:
 RESULTANT PARCEL A OF BOUNDARY LINE ADJUSTMENT RECORDED UNDER AUDITOR'S FILE NO. 3179470 BEING THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 22, TOWNSHIP 25, RANGE 2 EAST W.M. CITY OF BAINBRIDGE ISLAND, KITSAP COUNTY WASHINGTON, DESCRIBED AS FOLLOWS: THE SOUTH QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER AND THE SOUTHEAST QUARTER OF SAID SOUTHEAST QUARTER AND THE SOUTH 860 FEET OF THE EAST 270 FEET OF THE SOUTHWEST QUARTER OF SAID SOUTHEAST QUARTER EXCEPT FOR THE SOUTH 20 FEET FOR ROAD, AND THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER EXCEPT THE NORTH 30 FEET FOR ROAD AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, AND THE WEST HALF OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, AND THE WEST HALF OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, TOGETHER WITH THE FOLLOWING DESCRIBED PROPERTY: COMMENCING AT THE NORTHWEST CORNER OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, THENCE EAST 330 FEET TO THE POINT OF BEGINNING, THENCE CONTINUING EAST 300 FEET TO THE WEST MARGIN OF COUNTY ROAD, THENCE SOUTH ALONG SAID MARGIN 230 FEET THENCE NORTHWESTERLY TO A POINT WHICH IS 60 FEET SOUTH OF THE POINT OF BEGINNING, THENCE NORTH 60 FEET TO THE POINT OF BEGINNING, EXCEPT FROM THE ABOVE THE FOLLOWING DESCRIBED PROPERTY: BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, THENCE WEST 10 FEET ALONG THE SOUTH LINE OF SAID SUBDIVISION THENCE NORTH 340.00 FEET PARALLEL WITH THE EAST LINE OF SAID SUBDIVISION, THENCE EAST 10 FEET TO THE EAST LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 22, THENCE SOUTH 340 FEET ALONG SAID EAST LINE AND THE EAST LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 22 TO THE POINT OF BEGINNING. >>>EXCEPT FOR THAT PORTION CONVEYED TO THE CITY OF BAINBRIDGE ISLAND FOR RIGHT OF WAY UNDER AUDITOR'S FILE NO. 200106050001, RECORDS OF KITSAP COUNTY, WASHINGTON.

VICINITY MAP



GENERAL NOTES

- ALL WORK TO BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES, LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- CONTRACTOR TO VERIFY ALL DIMENSIONS, PROPERTY LINES, LEASE LINES, MEASUREMENTS AND CONDITIONS IN THE FIELD BEFORE BEGINNING WORK. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- UNLESS OTHERWISE NOTED, ALL ANGLES TO BE RIGHT ANGLES. ALL LINES WHICH APPEAR PARALLEL ARE TO BE PARALLEL, AND ALL ITEMS WHICH APPEAR CENTERED ARE TO BE CENTERED. CONTRACTOR TO BE RESPONSIBLE FOR MAINTAINING ALL LINES TRUE, LEVEL, PLUMB AND SQUARE.
- DETAILED AND/OR LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER GENERAL AND SMALLER SCALE DRAWINGS. POSTED DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS.
- ALL ATTACHMENTS, CONNECTIONS AND FASTENINGS OF ANY NATURE ARE TO BE PROPERLY AND PERMANENTLY SECURED IN CONFORMANCE WITH THE BEST PRACTICES OF THE BUILDING INDUSTRY. DRAWINGS SHOW ONLY SPECIAL REQUIREMENTS TO ASSIST THE CONTRACTOR AND DO NOT SHOW EVERY DETAIL.
- DETAILS SHOWN IN THESE DRAWINGS ARE TYPICAL AND WILL APPLY UNLESS OTHERWISE NOTED OR SHOWN. DETAILS OF CONSTRUCTION NOT FULLY SHOWN ARE TO BE OF THE SAME NATURE AS THOSE DRAWN FOR SIMILAR CONDITIONS.
- CONTRACTOR TO PROTECT EXISTING FURNISHINGS, FIXTURES, EQUIPMENT AND LANDSCAPING FROM DAMAGE. CONTRACTOR TO REPLACE IN KIND ANY SUCH ITEMS DAMAGED, IN ITS ENTIRETY TO LEVEL OF SATISFACTION OF ARCHITECT.
- CONTRACTOR TO COORDINATE ALL OPERATIONS WITH OWNER, INCLUDING: SITE ACCESS, MATERIALS STORAGE AND STAGING, INTERRUPTION OF ELECTRICAL AND MECHANICAL SERVICES AND TIMING OF NOISY OR DISRUPTIVE OPERATIONS. CONTRACTOR TO VERIFY SEQUENCE OF WORK WITH OWNER.

ABBREVIATIONS

&	AND	MANUF	MANUFACTURER
@	AT	MTL	METAL
AB	ANCHOR BOLT	MIN	MINIMUM
ACT	ACOUSTICAL CEILING TILE	N	NORTH
ADJ	ADJACENT	N/A	NOT APPLICABLE
AFF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
AL/ALUM	ALUMINUM	NO	NUMBER
ANDD	ANODIZED	NOM	NOMINAL
APPROX	APPROXIMATE (LY)	NR	NOT RATED
ARCH	ARCHITECTURE (URAL)	NTS	NOT TO SCALE
ASPH	ASPHALT	OC	ON CENTER
ASSY	ASSEMBLY	OCFI	OWNER FURNISHED/CONTRACTOR INSTALLED
ALT	ALTERNATE	OFOI	OWNER FURNISHED/ OWNER INSTALL
BI	BAINBRIDGE ISLAND	OH	OVERHEAD
BLDG	BUILDING	OVHG	OVERHANG
BLKG	BLOCKING	PL	PLATE
BM	BEAM	PLAS	PLASTER
BO	BOTTOM OF	PM	PROJECT MANAGER
BOT	BOTTOM	PNT	PAINT
CJ	CONTROL JOINT	PSI	POUNDS PER SQUARE INCH
CLG	CEILING	PT	PRESSURE TREATED
CMU	CONCRETE MASONRY UNIT	PVC	POLYVINYL CHLORIDE
COL	COLUMN	PLYW	PLYWOOD
CONC	CONCRETE	PREP	PREPARE/ PREPARATION
CONT	CONTINUOUS	RCP	REFLECTED CEILING PLAN
CS	CONCRETE SEALER	RD	ROOF DRAIN
CT	CERAMIC TILE	RE:	REFER TO
CTS/K	COUNTERSINK	REF	REFER TO
CVIF	CONTRACTOR VERIFY IN FIELD	REQD	REQUIRED
DBL	DOUBLE	RM	ROOM
DEMO	DEMOLISH	RWL	RAIN WATER LEADER
DIA	DIAMETER	S	SOUTH
DIMS	DIMENSIONS	SCHED	SCHEDULE
DN	DOWN	SC	SOLID CORE
DS	DOWN SPOUT	SEC	SECURITY
DWGS	DRAWINGS	SF	SQUARE FEET
(E)	EXISTING	SHEATH	SHEATHING
E	EAST	SHT	SHEET
EA	EACH	SIM	SIMILAR
E-A	EXISTING ANCHOR	SP	STAND PIPE
ELEC	ELECTRICAL	SPEC	SPECIFICATION
ELEV OR EL	ELEVATION	SQ	SQUARE
EQ	EQUAL	SS	STAINLESS STEEL
EXIST OR (E)	EXISTING	STD	STANDARD
FD	FLOOR DRAIN	STL	STEEL
FF	FACTORY FINISH	STOR	STORAGE
F.F.GSM	FACTORY FINISHED GALVANIZED SHEET METAL	STRUCT	STRUCTURAL
F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	SUSP	SUSPENDED
FT	FIRE TREATED	T	TEMPERED
GA	GAUGE	TOC	TOP OF CONCRETE
GALV	GALVANIZED	TOP	TOP OF PARAPET
GL	GLASS	TOS	TOP OF STEEL
GW/B	GYPSUM WALL BOARD	TYP	TYPICAL
GSM	GALVANIZED SHEET METAL	UL	UNDERWRITERS LABORATORY
GYP	GYPSUM	UNO	UNLESS NOTED OTHERWISE
HGT	HEIGHT	VERT	VERTICAL
HM	HOLLOW METAL	VIF	VERIFY IN FIELD
HORIZ	HORIZONTAL	W	WEST
HR	HOUR	W/	WITH
INT	INTERIOR	WF	WIDE FLANGE
INSUL	INSULATION	WD	WOOD
LB OR #	POUND	WIN	WINDOW
LOC	LOCATION	X BRACE	CROSS BRACE
MATL	MATERIAL	YD	YARD
MAX	MAXIMUM		
MECH	MECHANICAL		

PROJECT DIRECTORY

OWNER Bainbridge Island Metro Park & Recreation District 11700 Meadowmeer Circle NE Bainbridge Island, WA, 98110. Contact: Matthew F. Keough Phone: (206)565-5658 matk@biparks.org	ARCHITECT STEMPER ARCHITECTURE COLLABORATIVE 4000 Delridge Way, SW, Suite 200 Seattle WA 98106 CONTACT: Lalo Bello, Melody Leung PHONE: (206) 624-2777 lalo@stemperac.com melody@stemperac.com	MECHANICAL THE GREENBUSCH GROUP ENGINEERS 1448 ELLIOTT AVE. W Seattle WA 98119 CONTACT: Jack Burgess PHONE: (206) 644-1369 JackB@greenbusch.com	ELECTRICAL TFWB ENGINEERS 1200 WESTLAKE AVE. N, SUITE 509 Seattle WA 98109 CONTACT: APRILLE BALANGUE PHONE: (206) 390-9843 aprille@tf-wb.com	STRUCTURAL MLA ENGINEERING 1109 1st Ave, Suite 300 Seattle WA 98101 CONTACT: MICHAEL LEONARD, PE, JOHN BEARDEN PHONE: (206) 264-2727 mleonard@mlaengineering.com jbearden@mlaengineering.com	CIVIL JACOBSON CONSULTING ENGINEERS 255 S KING ST. Seattle WA 98104 CONTACT: ALAN JACOBSON, PE, ALAN JACOBSON ENGINEERS PHONE: (206) 426-2600 alan@jacobsonengineers.com
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DRAWING LIST

SHEET NUMBER	SHEET NAME
T 1.0	TITLE SHEET
CIVIL DRAWINGS	
C-1.0	DRAINAGE PLAN-ALTERNATE 1
ARCHITECTURAL DRAWINGS	
A-0.1	SITE PLAN
A-0.2	SITE PLAN
A-0.3	SITE PLAN ALTERNATE 1 WATER -PROOFING
AD-1.0	RAY WILLIAMSON POOL DEMOLITION PLAN
AD-2.0	EXTERIOR ELEVATION DEMO
AD-3.0	DEMO DETAILS
A-1.0	RAY WILLIAMSON POOL FLOOR PLAN
A-1.1	RAY WILLIAMSON POOL EQUIPMENT PLAN
A-1.2	ENLARGED PLAN/ SECTIONS
A-1.3	REFLECTED CEILING PLAN
A-2.0	EXTERIOR ELEVATIONS
A-3.0	DETAILS
A-3.1	INTERIOR DETAILS
A-4.0	POOL DETAILS
A-5.0	SCHEDULES
A-6.0	REFERENCE PHOTOS
STRUCTURAL DRAWINGS	
S-0.0	ABBREVIATIONS & SYMBOLS
S-0.1	GENERAL STRUCTURAL NOTES
S0.2	SPECIAL INSTECTION TABLES
SD-1.0	1ST FLOOR DEMO PLAN
SD-3.0	DEMO DETAILS
S-1.0	1ST FLOOR POOL DECK AND SLAB PLAN
S-1.1	NEW POOL DECK DRAINAGE PLAN
S-1.2	NEW POOL DECK JOINTING AND POUR SCHEDULE PLAN
S1.3	PAVING PLAN-ALT 1
S-3.0	DETAILS
S-3.1	DETAILS
S-3.2	DETAILS
S3.3	DETAILS
PLUMBING DRAWINGS	
P0.1	PLUMBING LEGEND, NOTES AND INDEX
PD1.0	FOUNDATION PLUMBING DEMOLITION PLAN
PD2.0	PLUMBING DEMOLITION PHOTOS
P1.0	FOUNDATION PLUMBING PLAN
P2.0	FIRST FLOOR PLUMBING PLAN
P3.1	PLUMBING DETAILS
MECHANICAL DRAWINGS	
M0.1	MECHANICAL GENERAL NOTES AND LEGEND
M0.2	ENERGY AND MECHANICAL CODE NOTES
M0.3	MECHANICAL POOL SCHEDULE
MD1.0	BASEMENT FLOOR MECHANICAL DEMOLITION PLAN
MD2.0	BASEMENT AND POOL PLUMBING DEMOLITION PLAN
MD2.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN
MD3.0	MECHANICAL DEMOLITION PHOTOS
MD3.1	MECHANICAL DEMOLITION PHOTOS
MD3.2	MECHANICAL DEMOLITION PHOTOS
MD3.3	MECHANICAL DEMOLITION PHOTOS
M2.0	MECHANICAL FOUNDATION PLAN
M3.0	BASEMENT FLOOR PIPING PLAN
M4.0	FIRST FLOOR PIPING PLAN
M5.0	FILTER ROOM VIEW AND SECTIONS
M6.1	POOL DETAILS
M7.0	MECHANICAL DIAGRAMS
ELECTRICAL DRAWINGS	
E1.0	LEGEND
E1.1	SITE PLAN - ELECTRICAL
E3.1	FLOOR PLAN - ELECTRICAL
E4.0	ONE LINE DIAGRAM AND GROUNDING DETAIL
E5.0	SCHEDULES

SCOPE OF WORK

- REPLACE CONCRETE POOL DECK, AND LINEAR TRENCH DRAINS
- REPLACE POOL PERIMETER TILE AND FIXTURE ANCHORS
- REPLACEMENT OF GENERAL DOMESTIC WATER PIPING AND PLUMBING
- POOL CHEMICAL TREATMENT CONVERSION TO SALINE/ CHLORINE SYSTEM
- RAY WILLIAMSON POOL-POOL LINER COATING REMOVAL AND REPLACEMENT
- REPLACEMENT OF STOREFRONT SYSTEM AT NATATORIUM
- REPLACE HANDRAIL AT RAMP
- EAST AND WEST CONCRETE PATIO REPLACEMENT
- INSTALL VGB DRAIN
- REMOVE CONCRETE PLATFORM AT STORAGE.
- REMOVE DOORS AND FRAME AT NW STORAGE. PATCH CASE OPENING
- REPAIR CONCRETE AT OLD BENCH LOCATIONS
- ADD ANTI SLIP COATING AT NE AND NW STEPS AND RAMP
- REPLACE MECHANICAL LOUVER
- REPLACE POOL LADDER HANDRAIL (4)
- ADD NEW LANE MARKER ANCHOR
- INSTALL STARTING BLOCK ANCHORS.
- WATER INTRUSION MITIGATION AT WEST AND SOUTH SIDE OF RAY WILLIAMSON POOL BUILDING - ALTERNATE



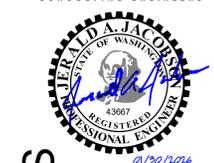
RAY WILLIAMSON POOL RENOVATION
8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2	
01-30-2026	
REVISIONS	
#	DATE

PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	

TITLE SHEET

T 1.0
 2208



RAY WILLIAMSON POOL IMPROVEMENTS
 8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

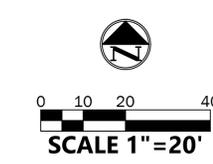
BID SET PHASE 2 1-30-26

REVISIONS	
#	DATE

PROJECT ENGINEER
JAJ
 PROJECT MANAGER
JAJ
 DRAWN
AJJ

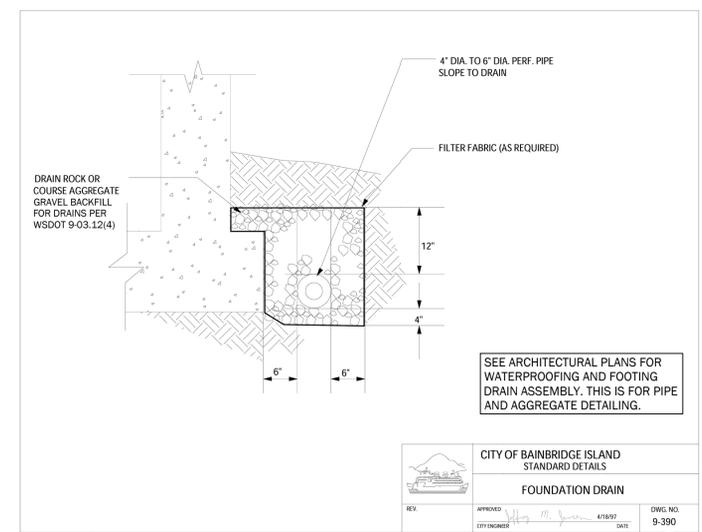
DRAINAGE PLAN

C-1.0
2208



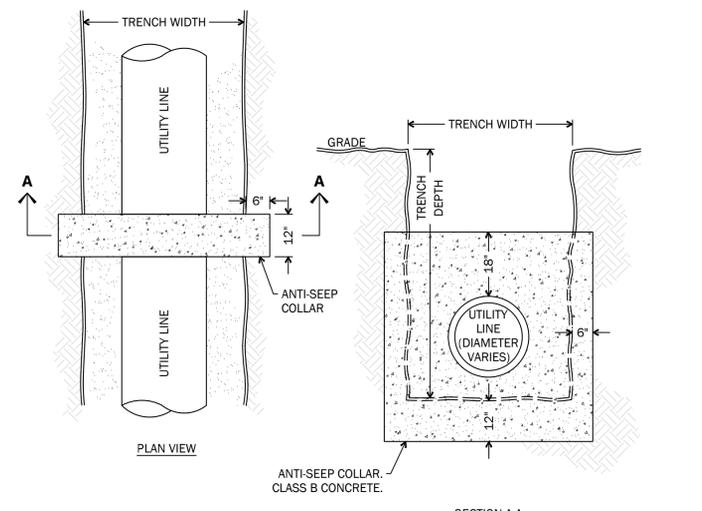
NOTES:

- NOTES:
- CONTRACTOR TO UTILIZE BOTH PUBLIC AND PRIVATE LOCATING SERVICES TO IDENTIFY EXISTING UTILITIES ALONG PATHWAY OF PROPOSED FOOTING DRAIN SYSTEM.
 - CONTRACTOR TO SEE ARCHITECTURAL AND STRUCTURAL PLANS TO CONFIRM EXTENTS OF NEW WATER PROOFING SYSTEM, INCLUDING REMOVAL AND REPLACEMENT OF EXTERIOR PAVING.
 - FOOTING DRAINS SHALL BE INSTALLED SIMILAR TO CITY OF BAINBRIDGE ISLAND FOUNDATION DRAIN DETAIL DWG 9-0390. SEE DETAIL THIS SHEET.
 - ANTI-SEEP COLLAR TO BE INSTALLED AT PERFORATED TO SOLID PVC TRANSITION TO DIRECT ANY GROUNDWATER TRAVELING IN GRAVEL BEDDING INTO THE PERFORATED PIPE. TO MINIMIZE IT'S MIGRATION AROUND THE SOLID PVC PIPE. SEE DETAIL THIS SHEET.

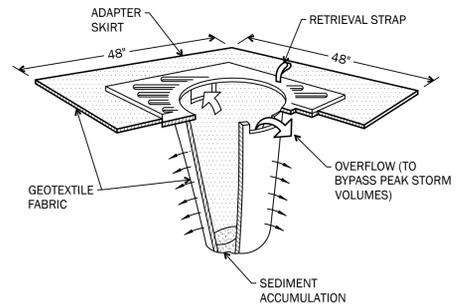


CITY OF BAINBRIDGE ISLAND STANDARD DETAILS			
FOUNDATION DRAIN			
REV.	APPROVED	DATE	DWG. NO.
			9-390

NTS
Foundation Drain 5

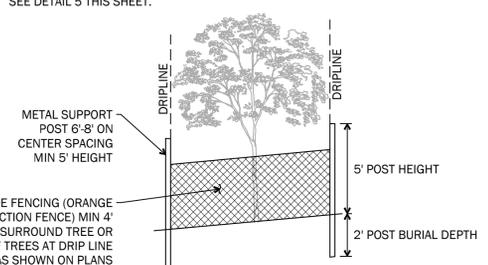
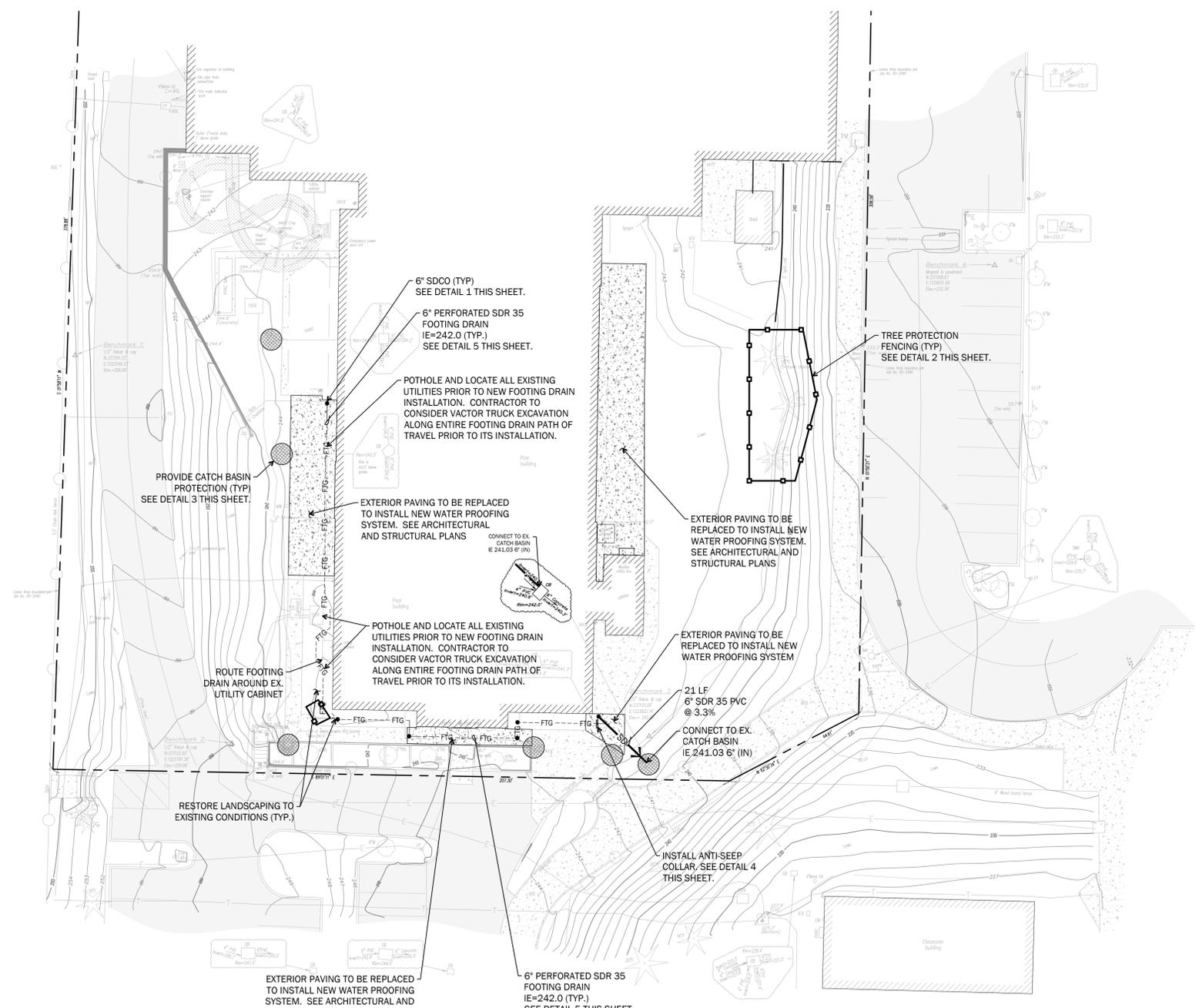


NTS
Anti-Seep Collar 4



INLET PROTECTION NOTE:
 FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACES WHEN 1/3 FULL.

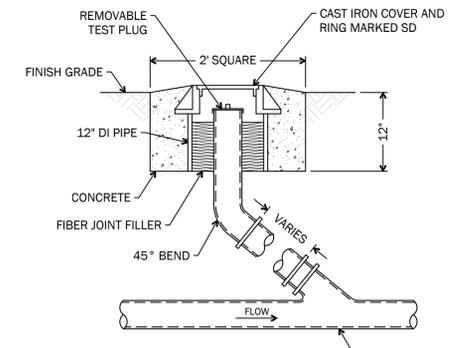
NTS
Inlet Protection 3



NOTES:

- A MINIMUM 4 FOOT HIGH TEMPORARY FENCE MUST BE PLACED AT THE DRIP LINE OF TREES PRIOR TO THE COMMENCEMENT OF CLEARING OR EARTHWORK. NOTIFY THE CLEARING AND GRADING INSPECTOR TO GET BOTH THE INSPECTION AND WRITTEN APPROVAL OF FLAGGED TREES AND TEMPORARY PROTECTION FENCING AROUND TREES TO BE SAVED PER THE APPROVED CLEARING AND GRADING PLAN.
- NO STOCKPILING OF MATERIAL AND NO VEHICULAR TRAFFIC ARE ALLOWED WITHIN THE LIMITS OF THE TEMPORARY FENCING. FILLING, EXCAVATION, AND CLEARING MUST BE ACCOMPLISHED BY HAND METHODS ONLY.
- ROOTS OF TREES TO BE SAVED WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE TREATED IN THE FOLLOWING WAY: FOR DAMAGED ROOTS OVER 1" IN DIAMETER, MAKE A CLEAN, STRAIGHT CUT TO REMOVE THE DAMAGED PORTION OF THE ROOT. ALL EXPOSED ROOTS WILL BE TEMPORARILY COVERED WITH DAMP BURLAP OR WOOD SHAVINGS TO PREVENT DRYING AND COVERED WITH EARTH AS SOON AS POSSIBLE.
- SEE TREE PROTECTION AND TESC PLANS FOR LOCATION OF EXISTING TREES TO RECEIVE TEMPORARY FENCING.
- SEE SPECIFICATIONS FOR PRUNING, WATERING, AND OTHER MAINTENANCE REQUIREMENTS

NTS
Tree Protection 2



NTS
Storm Drain Cleanout 1

SITE PLAN GENERAL NOTES

1. A PORTION OF THE PARKING LOT WILL BE DESIGNATED AS A LAY DOWN AND STAGING AREA FOR THE CONTRACTOR USE. COORDINATE THIS AREA WITH THE OWNER. DO NOT BLOCK TRAFFIC FLOW THROUGH THE PARKING LOT OR ON THE STREETS. LOCATION OF CONTRACTOR TRAILER(S) AND DUMPSTER(S) WITHIN THE STAGING AREA SHALL BE COORDINATED WITH OWNER.
2. PARKING IS NOT PERMITTED ALONG THE FIRE LANE OR SIDEWALK AREAS. DAILY CONTRACTOR PARKING WILL BE IN THE DESIGNATED CONTRACTOR'S STAGING AND LAYDOWN AREA ONLY. RESTORE ANY DAMAGE TO STAGING/LOADING AREA AT THE CONCLUSION OF WORK.
3. AT ALL TIMES, CONTRACTOR TO OBSERVE AND COMPLY WITH THE DESIGNATED SPEED LIMITS POSTED ON THE PROPERTY SITE.
4. PROTECT ALL EXISTING WALKS, STEPS, PAVING, WALLS, DRIVEWAYS, TREES, AND VEGETATION. THE (E) SITE DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO PRE-MOBILIZATION CONDITION AFTER WORK IS COMPLETED. REPLACE ALL ITEMS, INCLUDING PAVING, WHOSE APPEARANCE HAS CHANGED AND/ OR HAS SUFFERED ANY DAMAGE DUE TO CONSTRUCTION PROCESS AT THE CONCLUSION OF WORK.
5. CONTRACTOR TO PROTECT EXISTING LANDSCAPING ADJACENT TO THE WORK SITE, AND THAT IMPACTED BY THE DELIVERY AND REMOVAL OF MATERIAL TO THE SITE. CONTRACTOR TO PROTECT EXISTING FURNISHINGS, FIXTURES, AND EQUIPMENT FROM DAMAGE. REPLACE IN KIND ANY SUCH ITEMS DAMAGED.
6. COORDINATE ALL OPERATIONS WITH OWNER INCLUDING SITE ACCESS, MATERIALS STORING AND STAGING, INTERRUPTION OF MECHANICAL AND ELECTRICAL SERVICES, TIMING OF NOISY OR DISRUPTIVE OPERATIONS. VERIFY SEQUENCE OF WORK WITH OWNER.
7. CONTRACTOR TO COORDINATE ANY WORK, AND ALL WORK INVOLVING SEPARATE CONTRACTS AND CONTRACTORS WITH BAINBRIDGE ISLAND PARKS PROJECT MANAGER.

SPECIAL NOTE

1. DUE TO HIGH GROUND WATER LEVELS IN THE VICINITY OF THE SITE, DEWATERING WILL BE NEEDED TO LOWER GROUNDWATER LEVELS TO REDUCE HYDRASTATIC UPLIFT ON THE EXISTING POOL.
2. GROUNDWATER WAS ENCOUNTERED AT 4.9 TO 13.6 FEET BELOW GRADE.
3. REF. SPECIFICATION SECTION 00 31 00 AND HYDROGEOLOGIC REPORT.

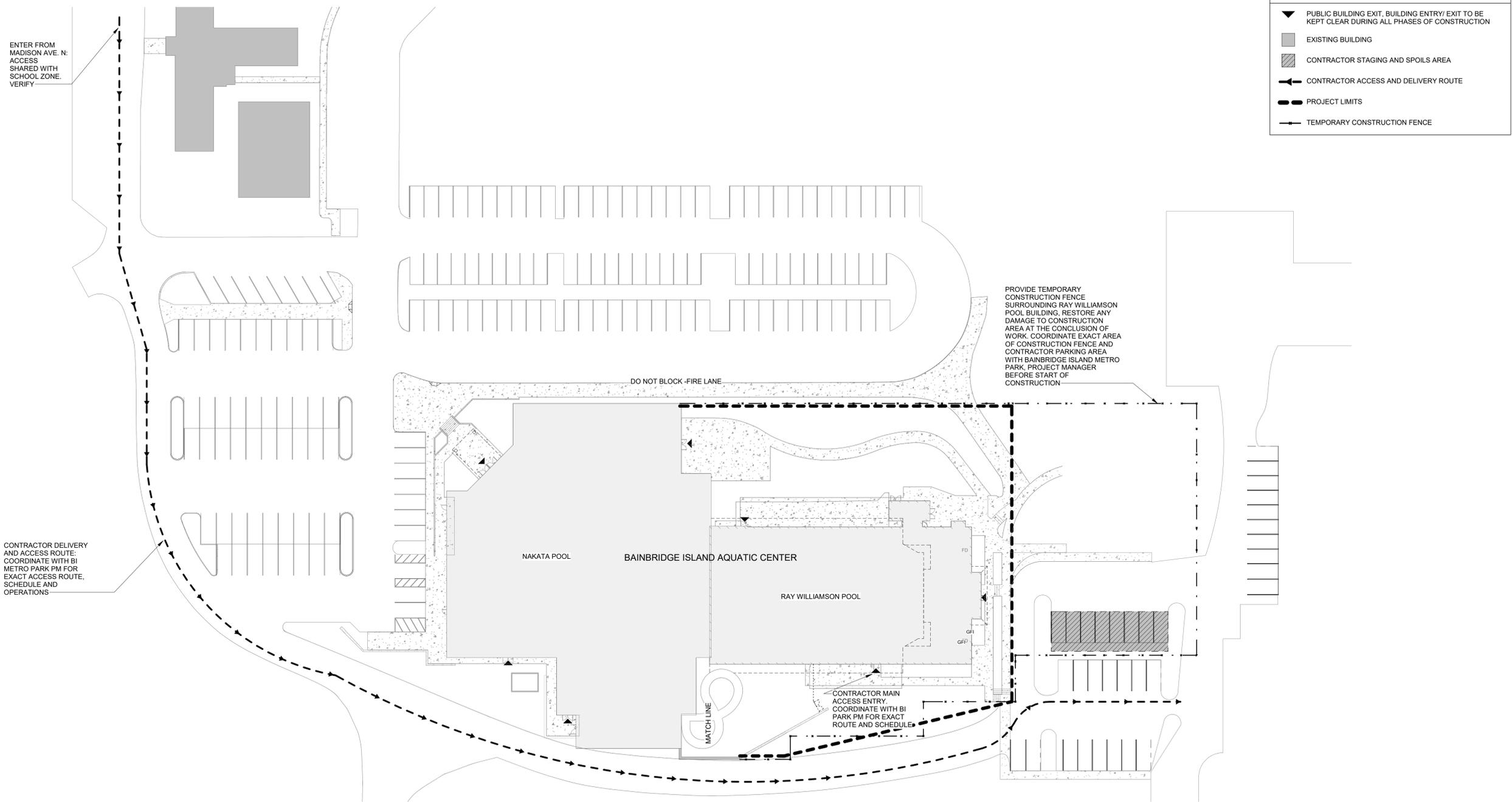
SITE & BUILDING DATA

BUILDING NAME: BAINBRIDGE ISLAND AQUATIC CENTER
SITE ADDRESS: 8521 MADISON AVE. N BAINBRIDGE ISLAND, WA, 98110
ASSESSOR'S PARCEL #: 222502-4-003-2008
BUILDING AREA: NO CHANGE
PARKING: NO CHANGE
OWNER: Bainbridge Island Metro Park & Recreation District
 11700 Meadowmead Circle NE
 Bainbridge Island, WA, 98110.
 Contact: Matthew F. Keough
 Phone: (206)565-5658
 mattk@biparks.org

LEGAL DESCRIPTION:
 RESULTANT PARCEL A OF BOUNDARY LINE ADJUSTMENT RECORDED UNDER AUDITOR'S FILE NO. 3179470 BEING THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 22, TOWNSHIP 25, RANGE 2 EAST W.M. CITY OF BAINBRIDGE ISLAND, KITSAP COUNTY WASHINGTON, DESCRIBED AS FOLLOWS: THE SOUTH QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER AND THE SOUTHEAST QUARTER OF SAID SOUTHEAST QUARTER AND THE SOUTH 860 FEET OF THE EAST 270 FEET OF THE SOUTHWEST QUARTER OF SAID SOUTHEAST QUARTER EXCEPT FOR THE SOUTH 20 FEET FOR ROAD, AND THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER EXCEPT THE NORTH 30 FEET FOR ROAD AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, AND THE WEST HALF OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER; AND THE WEST HALF OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER; TOGETHER WITH THE FOLLOWING DESCRIBED PROPERTY, COMMENCING AT THE NORTHWEST CORNER OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, THENCE EAST 330 FEET TO THE POINT OF BEGINNING, THENCE CONTINUING EAST 300 FEET TO THE WEST MARGIN OF COUNTY ROAD, THENCE SOUTH ALONG SAID MARGIN 230 FEET THENCE NORTHWESTERLY TO A POINT WHICH IS 60 FEET SOUTH OF THE POINT OF BEGINNING; THENCE NORTH 60 FEET TO THE POINT OF BEGINNING, EXCEPT FROM THE ABOVE THE FOLLOWING DESCRIBED PROPERTY: BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, THENCE WEST 10 FEET ALONG THE SOUTH LINE OF SAID SUBDIVISION THENCE NORTH 340.00 FEET PARALLEL WITH THE EAST LINE OF SAID SUBDIVISION; THENCE EAST 10 FEET TO THE EAST LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 22, THENCE SOUTH 340 FEET ALONG SAID EAST LINE AND THE EAST LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 22 TO THE POINT OF BEGINNING. >>>EXCEPT FOR THAT PORTION CONVEYED TO THE CITY OF BAINBRIDGE ISLAND FOR RIGHT OF WAY UNDER AUDITOR'S FILE NO. 200106050001, RECORDS OF KITSAP COUNTY, WASHINGTON.

SITE PLAN LEGEND

- ▼ PUBLIC BUILDING EXIT, BUILDING ENTRY; EXIT TO BE KEPT CLEAR DURING ALL PHASES OF CONSTRUCTION
- EXISTING BUILDING
- ▨ CONTRACTOR STAGING AND SPOILS AREA
- ↔ CONTRACTOR ACCESS AND DELIVERY ROUTE
- PROJECT LIMITS
- TEMPORARY CONSTRUCTION FENCE



RAY WILLIAMSON POOL RENOVATION
 8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2 01-30-2026

REVISIONS	
#	DATE

PROJECT ARCHITECT SMS
 PROJECT MANAGER LB
 DRAWN

SITE PLAN

A-0.1
 2208

1 OVERALL SITE PLAN
 1" = 30'-0"

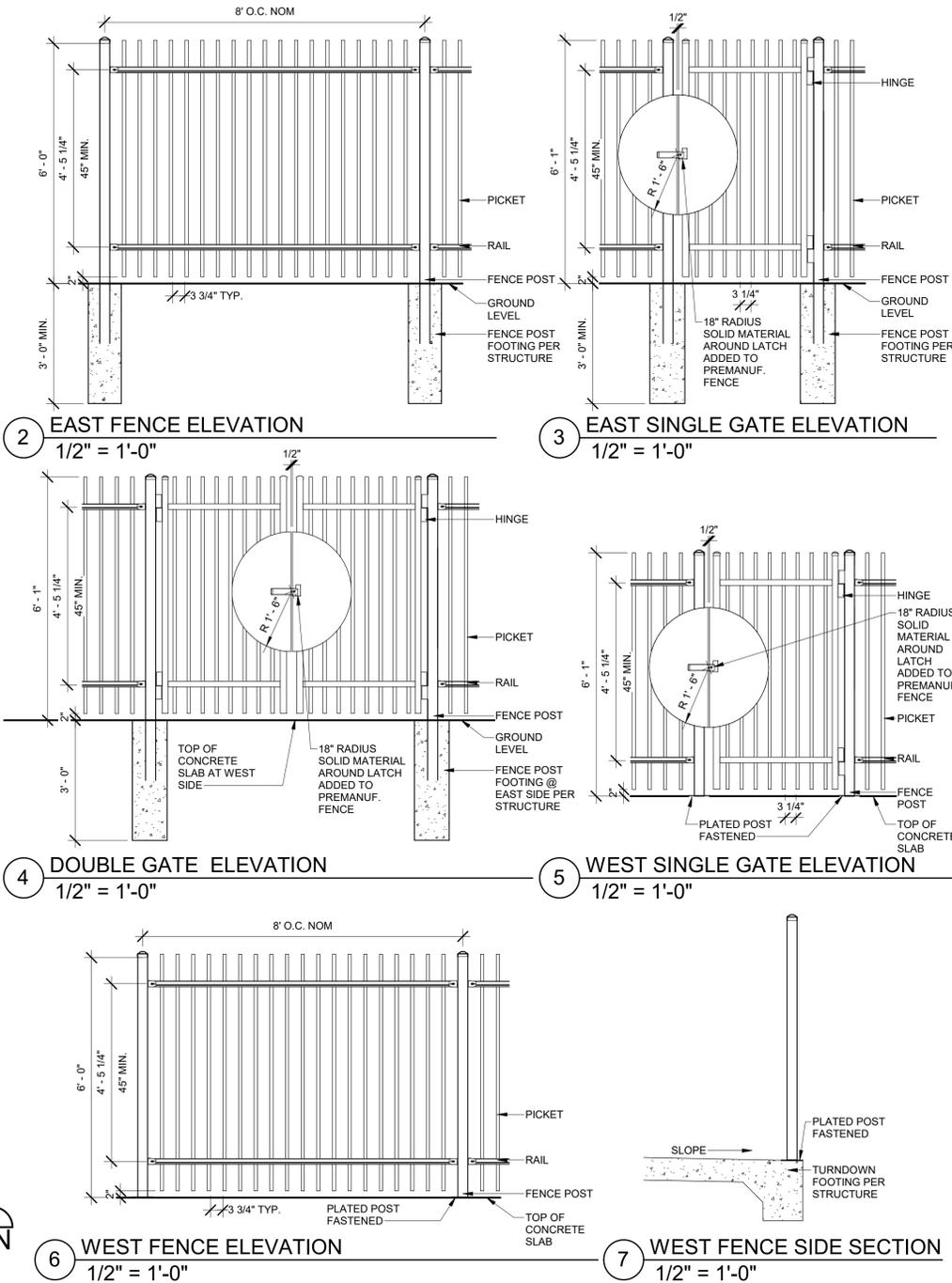
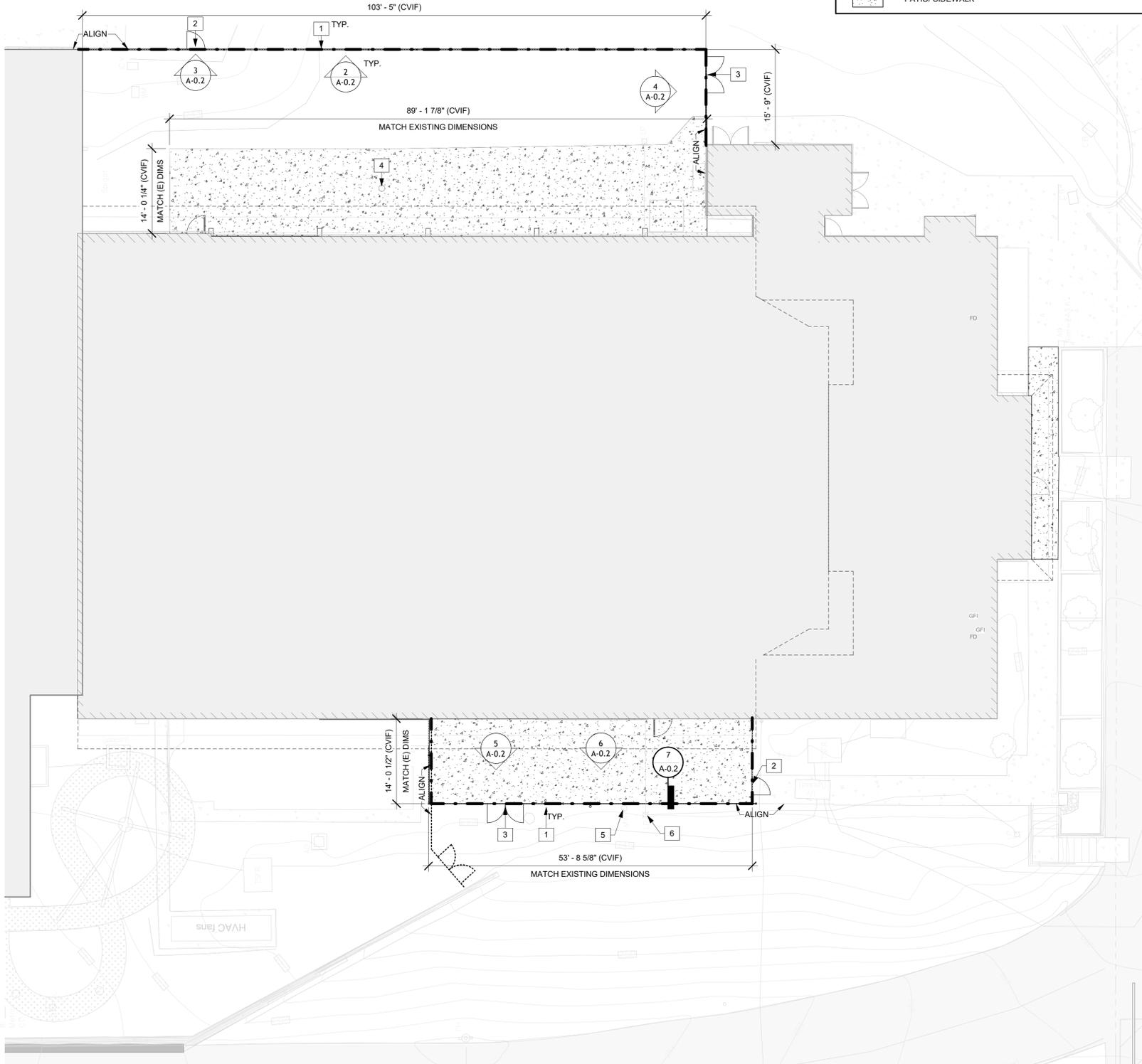
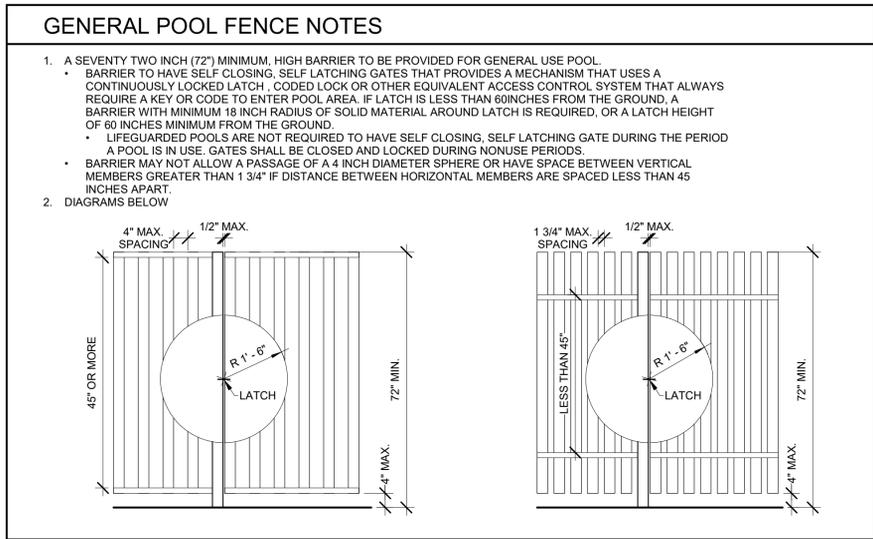


KEYNOTE LEGEND	
1	FURNISH AND INSTALL MIN. 6FT TALL FENCE. COORDINATE FENCE FOOTINGS WITH STRUCTURAL.
2	FURNISH AND INSTALL SINGLE LEAF GATE WITH LOCK. COORDINATE FENCE FOOTINGS WITH STRUCTURAL. SEE DETAIL 3/A0.2
3	FURNISH AND INSTALL DOUBLE LEAF GATE WITH LOCK. COORDINATE FENCE FOOTINGS WITH STRUCTURAL. SEE DETAIL 4/A0.2
4	DEWATERING BORING LOCATION PG-1. REF. SPEC. SECTION 00 31 00 AND HYDROLOGIC REPORT.
5	DEWATERING BORING LOCATION PG-2. REF. SPEC. SECTION 00 31 00 AND HYDROLOGIC REPORT.
6	REMOVE (E) LIGHT POLE. REF ELECTRICAL.

SPECIAL NOTE

1. DUE TO HIGH GROUND WATER LEVELS IN THE VICINITY OF THE SITE, DEWATERING WILL BE NEEDED TO LOWER GROUNDWATER LEVELS TO REDUCE HYDRASTATIC UPLIFT ON THE EXISTING POOL.
2. GROUNDWATER WAS ENCOUNTERED AT 4.9 TO 13.6 FEET BELOW GRADE.
3. REF. SPECIFICATION SECTION 00 31 00 AND HYDROGEOLOGIC REPORT.

SITE PLAN LEGEND			
	KEYNOTE		SECTION NUMBER DRAWING SHEET
	DOORS		DETAIL NUMBER DRAWING SHEET
	EXISTING BUILDING		CALLOUT NUMBER DRAWING SHEET
	EXISTING HARDSCAPE		FENCE
	REPLACED CONCRETE PATIO/ SIDEWALK		



1 SITE PLAN
1" = 10'-0"

6 WEST FENCE ELEVATION
1/2" = 1'-0"

7 WEST FENCE SIDE SECTION
1/2" = 1'-0"



RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

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DRAWN

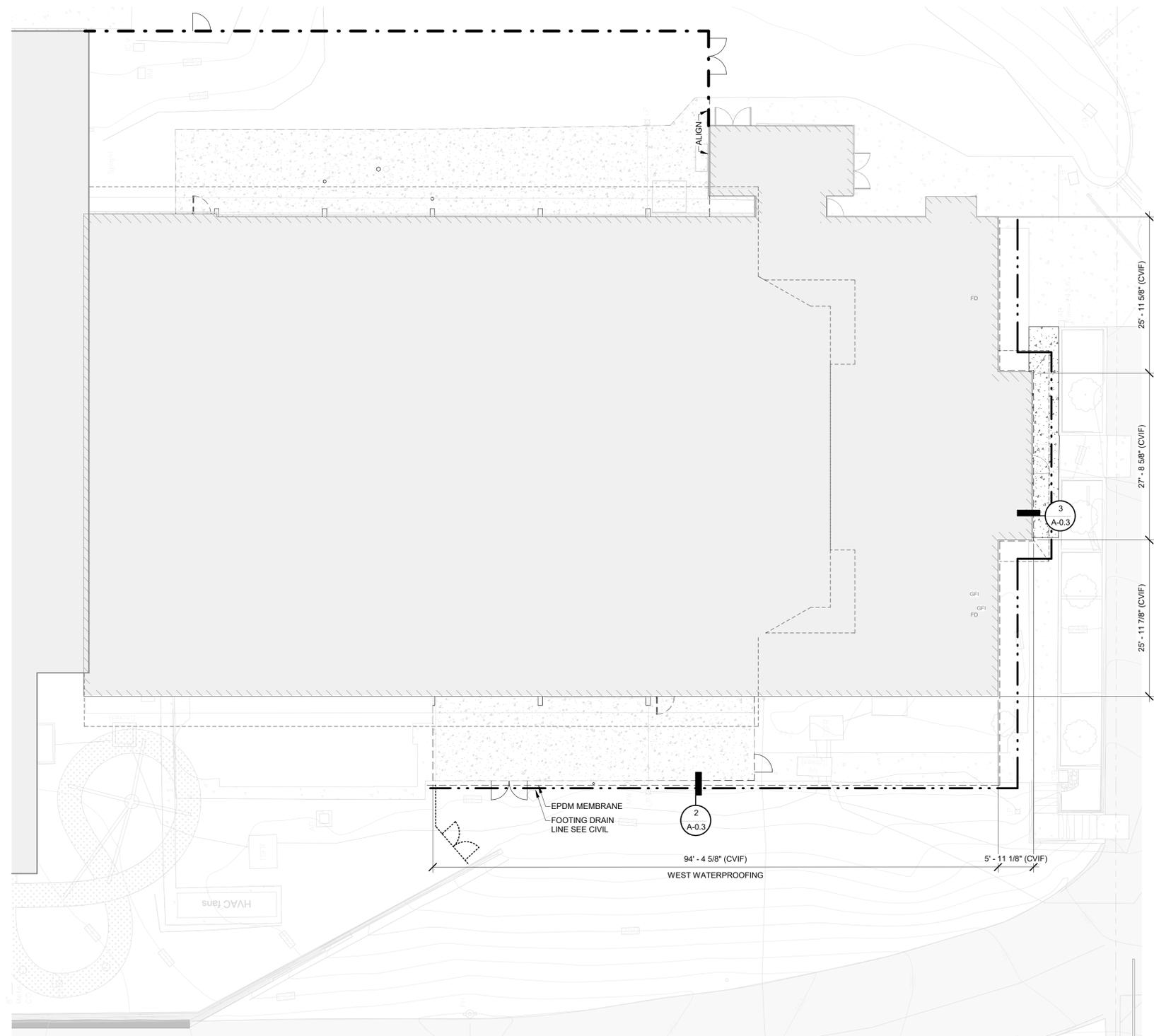
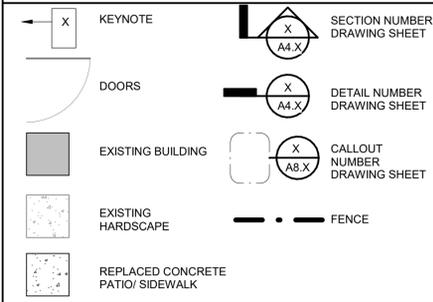
SITE PLAN

A-0.2
2208

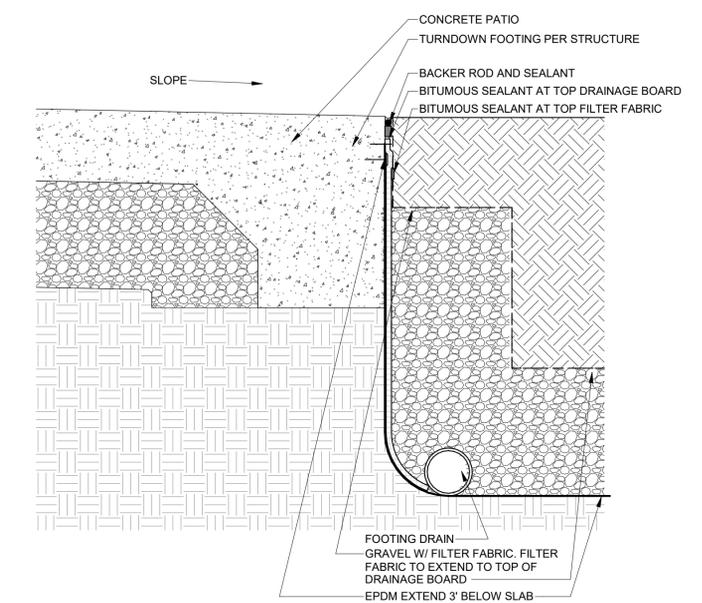
SPECIAL NOTE

1. DUE TO HIGH GROUND WATER LEVELS IN THE VICINITY OF THE SITE, DEWATERING WILL BE NEEDED TO LOWER GROUNDWATER LEVELS TO REDUCE HYDRASTATIC UPLIFT ON THE EXISTING POOL.
2. GROUNDWATER WAS ENCOUNTERED AT 4.9 TO 13.6 FEET BELOW GRADE.
3. REF. SPECIFICATION SECTION 00 31 00 AND HYDROGEOLOGIC REPORT.

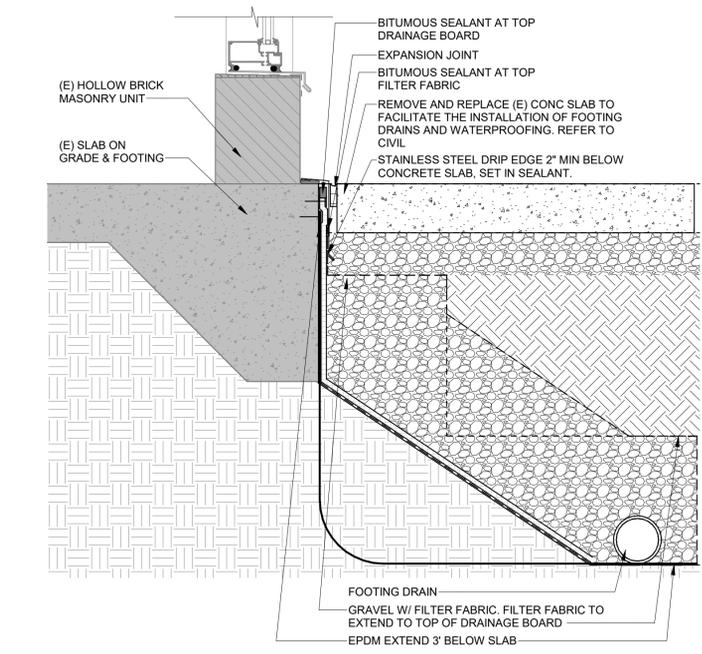
SITE PLAN LEGEND



1 SITE PLAN-ALT 1
1" = 10'-0"



2 WATERPROOFING AT SLAB EDGE-ALTERNATE 1
1 1/2" = 1'-0"



3 LOBBY SOUTH WATERPROOFING-ALTERNATE 1
1 1/2" = 1'-0"

REVISIONS	
#	DATE

PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	

SITE PLAN ALTERNATE 1 WATER-PROOFING

2/2/2026 2:27:17 PM C:\Users\Reina\Documents\RWP Phase 2_reina\PHMP.rvt

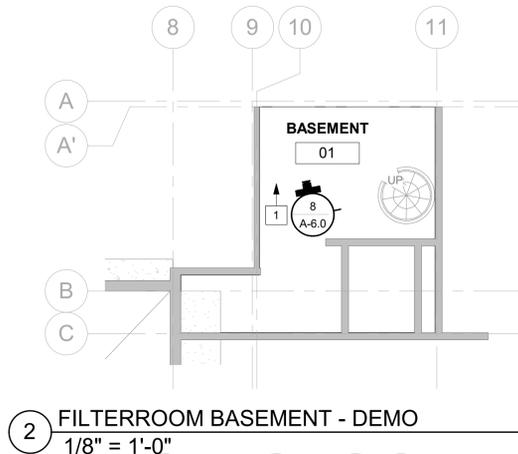
GENERAL DEMOLITION NOTES

- EXISTING DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE FIELD VERIFIED BY GC. CONTACT THE ARCHITECT IF DISCREPANCIES ARE DISCOVERED.
- PRIOR TO ANY DEMOLITION ACTIVITIES, ALL EXISTING NATATORIUM EQUIPMENT, POOL ACCESSORIES, AND OTHER MISCELLANEOUS ITEMS SHALL BE PROTECTED, SEALED DUST TIGHT, THE PROTECTIVE WRAP SHALL BE REMOVED AND THE FIXTURES CLEANED AT JOB COMPLETION.
- NOISE AND DUST CONTROL IN AREAS OF WORK IS CRITICAL. PROTECTION OF EXISTING FACILITIES AND ANY EXISTING EQUIPMENT FROM DUST AND CONSTRUCTION DEBRIS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DAILY CLEAN-UP OF CONSTRUCTION DUST AND DEBRIS WITHIN PROJECT SITE LIMITS AND OTHER AREAS AFFECTED BY CONSTRUCTION IS REQUIRED.
- COORDINATE TEMPORARY STORAGE LOCATION OF ALL POOL EQUIPMENT BEING SALVAGED FOR REUSE WITH OWNER.

SPECIAL NOTE

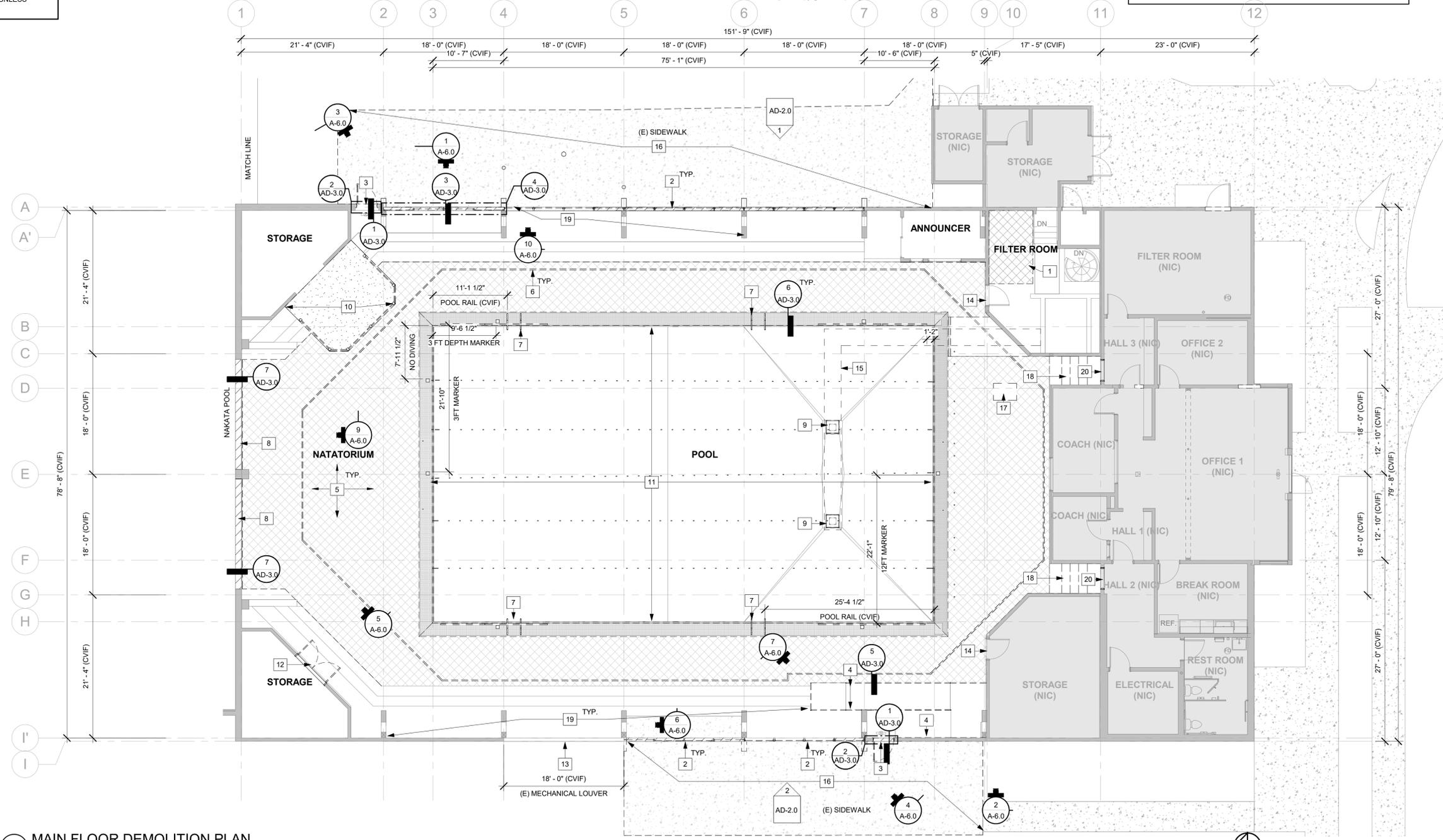
- PROJECT SITE SHALL BE SECURE AT ALL TIMES AND SHALL NOT BE ACCESSIBLE TO THE PUBLIC OR USERS.
- FOR CONCRETE DEMOLITION AND CONCRETE REPLACEMENT WORK, CONTRACTOR SHALL ACCESS THE PROJECT SITE THROUGH THE EXISTING NATATORIUM STOREFRONT AREAS; DO NOT ACCESS THE SITE THROUGH THE OFFICES.
- DO NOT REMOVE ANY EXISTING STOREFRONT OR DOOR/ OPENING WITHOUT PROVIDING A SECURE, AND LOCKABLE BARRIER; OTHERWISE, EXISTING STOREFRONT CAN NOT BE REMOVED UNLESS NEW STOREFRONT IS INSTALLED SAME DAY.

DEMOLITION KEYNOTE LEGEND	
1	PREPARE FOR REPAIR OF SPALLED CONCRETE AT FILTER ROOM. COORDINATE WITH STRUCTURAL FOR PROPOSED REPAIR WORK. COORDINATE WITH MECHANICAL, AND ELECTRICAL.
2	DEMOLISH (E) EXTERIOR STOREFRONT SYSTEM; PROTECT OPENING(S) AND PROVIDE A SECURE, PLYWOOD AND FRAME BARRIER IF NEW STOREFRONT IS NOT INSTALLED SAME DAY; DO NOT REMOVE THE EXISTING STOREFRONT WITHOUT PROVIDING A SECURE LOCKABLE BARRIER IN PLACE.
3	DEMOLISH (E) EXTERIOR DOOR, DOOR FRAME, AND THRESHOLD. PROTECT OPENING(S) AND PROVIDE A SECURE, PLYWOOD AND FRAME BARRIER IF NEW STOREFRONT IS NOT INSTALLED SAME DAY. DO NOT REMOVE THE EXISTING STOREFRONT WITHOUT PROVIDING A SECURE LOCKABLE BARRIER IN PLACE.
4	REMOVE (E) WOOD HANDRAIL AND METAL POST SYSTEM IN ITS ENTIRETY.
5	REMOVE (E) CONCRETE POOL DECK IN ITS ENTIRETY. COORDINATE WITH STRUCTURAL.
6	REMOVE (E) LINEAR DRAINS AND COLLECTION BOXES. REF. STRUCTURAL AND MECHANICAL.
7	REMOVE (E) POOL LADDER HANDRAILS AND INSERTS.
8	DEMOLISH (E) INTERIOR STOREFRONT SYSTEM; PROTECT OPENING(S) AND PROVIDE A SECURE, PLYWOOD AND FRAME BARRIER BETWEEN THE NAKATA AND RAY WILLIAMSON POOL. DO NOT REMOVE THE EXISTING STOREFRONT WITHOUT PROVIDING A SECURE LOCKABLE BARRIER IN PLACE OR A NEW STOREFRONT THE SAME DAY. THE BARRIER MUST PROVIDE VISUAL BLOCKAGE BETWEEN THE TWO POOLS.
9	REMOVE (E) POOL DRAINS. COORDINATE WITH MECHANICAL.
10	REMOVE (E) PLATFORM. COORDINATE WITH STRUCTURAL FOR PROPOSED REPAIR WORK.
11	DEMO (E) POOL FIBERGLASS LINER; DO NOT DAMAGE (E) PLASTER UNDERNEATH; PREP (E) PLASTER FOR NEW PLASTER LINER. FOR BIDDING PURPOSES, ASSUME A MINIMUM OF 300 SF OF PATCH/ REPAIR REQUIRED AT THE (E) PLASTER BASIN.
12	REMOVE (E) DOORS AND FRAMES TO CREATE A CASED OPENING.
13	REMOVE (E) MECH LOUVER AND FRAME, COORDINATE WITH MECHANICAL.
14	PROTECT NEW DOOR FROM DAMAGE DURING CONSTRUCTION.
15	AT (E) POOL BASIN, SAWCUT AREA(S) AS INDICATED ON STRUCTURAL AND MECHANICAL DOCUMENTS TO ACCOMMODATE NEW VGB DRAINS AND PIPING; BE CAREFUL NOT TO DAMAGE THE EXISTING POOL BASIN NOT CALLED FOR WORK; NO OVERCUTS. COORDINATE WITH MECHANICAL AND STRUCTURAL.
16	CAREFULLY REMOVE (E) CONCRETE SIDEWALK. REF STRUCTURAL.
17	REMOVE (E) DIVING BOARD CONCRETE BASE.
18	REMOVE (E) CONCRETE STAIRS.
19	REPAIR HOLES IN CONCRETE LEFT FROM REMOVING (E) ALUMINUM BENCHES AT 88 LOCATIONS; REF STRUCTURAL.
20	REMOVE (E) HOLLOW METAL FRAME.



DEMO GRAPHIC LEGEND			
	EXISTING CONSTRUCTION		EXISTING HARDSCAPE
	ITEMS TO BE DEMOLISHED		CONCRETE SLAB REMOVAL REF STRUCTURE
	KEYNOTES		DETAIL REFERENCE: NUMBER SHEET
	PHOTO REFERENCE SEE PHOTO REFERENCE SHEET		DETAIL NUMBER DRAWING SHEET
	ELEVATION REFERENCE: NUMBER SHEET		ENLARGED DETAIL NUMBER DRAWING SHEET
	ROOM TAG		DEMO (E) 1X TILE PERIMETER
	NIC		DEMO (E) PLATFORM

2 FILTERROOM BASEMENT - DEMO
1/8" = 1'-0"



1 MAIN FLOOR DEMOLITION PLAN
1/8" = 1'-0"



RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

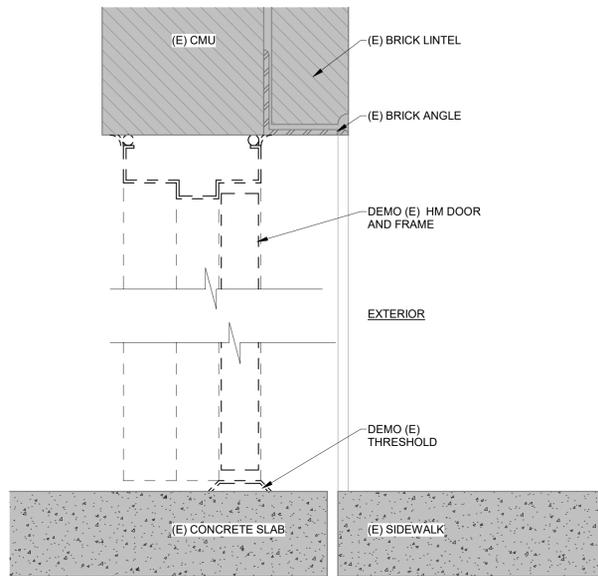
BID SET PHASE 2
01-30-2026

REVISIONS	
#	DATE

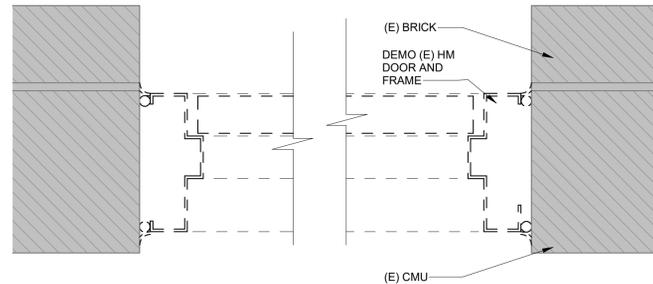
PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	Author

RAY WILLIAMSON POOL DEMOLITION PLAN

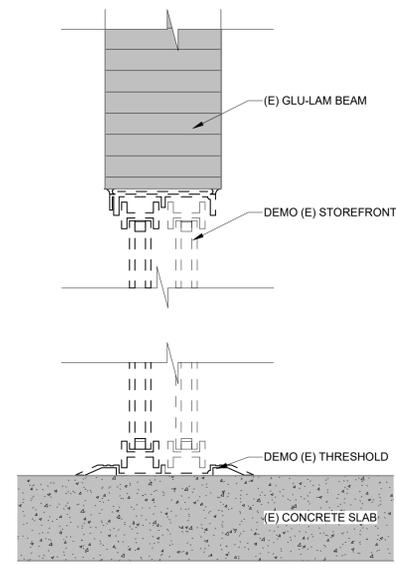
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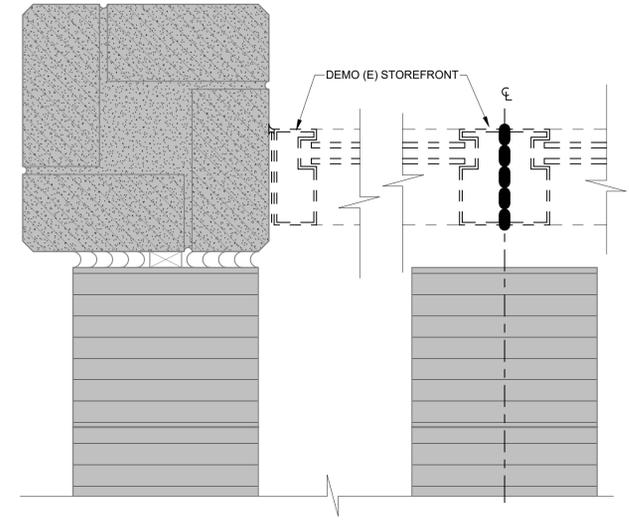
1 EXISTING EXTERIOR DOOR HEAD/ SILL
 3" = 1'-0"



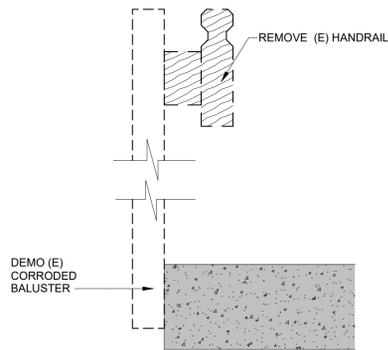
2 EXISTING EXTERIOR DOOR JAMB
 3" = 1'-0"



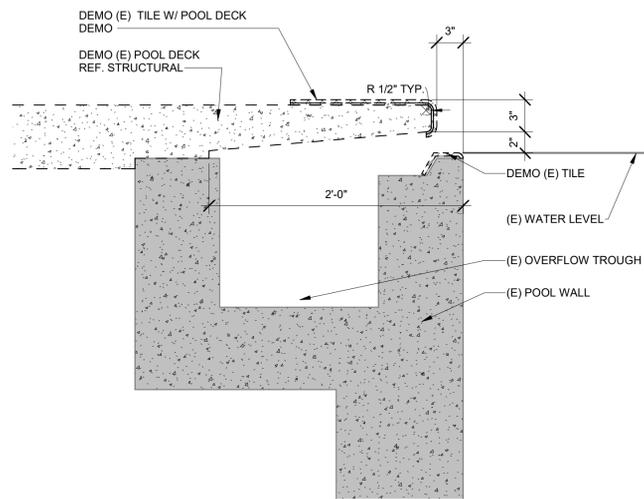
3 EXISTING NATATORIUM STOREFRONT HEAD/SILL
 3" = 1'-0"



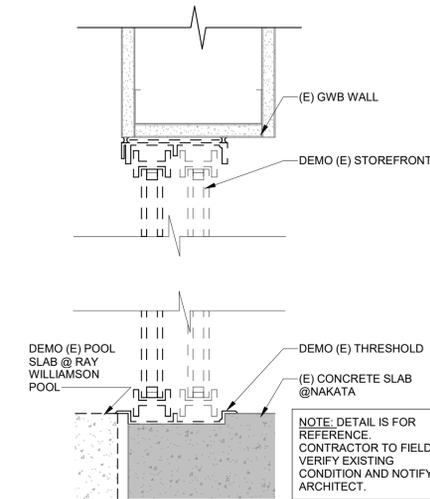
4 EXISTING NATATORIUM STOREFRONT JAMB
 3" = 1'-0"



5 RAMP HANDRAIL-DEMO
 3" = 1'-0"



6 EXISTING POOL GUTTER DETAIL
 1 1/2" = 1'-0"



7 EXISTING INTERIOR STOREFRONT HEAD/ SILL
 3" = 1'-0"

RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2
 01-30-2026

#	DATE
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PROJECT ARCHITECT SMS
PROJECT MANAGER LB
DRAWN RS

**DEMO
 DETAILS**

AD-3.0
 2208

FLOOR PLAN GENERAL NOTES

- EXISTING DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE FIELD VERIFIED BY GC. CONTACT THE ARCHITECT IF DISCREPANCIES ARE DISCOVERED.
- CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY AND COMPLIANCE WITH ALL STATE OR LOCAL CODES AND ORDINANCES GOVERNING THE WORK.
- DATA/ELECTRICAL/MECHANICAL ARE SHOWN FOR REFERENCE ONLY. PROTECTION OF EXISTING FACILITIES AND ANY EXISTING EQUIPMENT FROM DUST AND CONSTRUCTION DEBRIS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DAILY CLEAN-UP OF CONSTRUCTION DUST AND DEBRIS WITHIN PROJECT SITE LIMITS AND OTHER AREAS AFFECTED BY CONSTRUCTION IS REQUIRED.
- PROVIDE A WORK AND DUST CONTROL BARRIER AT NATATORIUM TO SEPARATE FROM THE REMAINING BUILDING IN OPERATION.
- COORDINATE TEMPORARY STORAGE LOCATION OF ALL POOL EQUIPMENT BEING SALVAGED FOR REUSE WITH OWNER.
- REFER TO A1.1 EQUIPMENT PLAN FOR TILE, FIXTURES, AND INSERTS.

SPECIAL NOTE

- PROJECT SITE SHALL BE SECURE AT ALL TIMES AND SHALL NOT BE ACCESSIBLE TO THE PUBLIC OR USERS.
- FOR CONCRETE DEMOLITION AND CONCRETE REPLACEMENT WORK, CONTRACTOR SHALL ACCESS THE PROJECT SITE THROUGH THE EXISTING NATATORIUM STOREFRONT AREAS, DO NOT ACCESS THE SITE THROUGH THE OFFICES.
- DO NOT REMOVE ANY EXISTING STOREFRONT OR DOOR/ OPENING WITHOUT PROVIDING A SECURE, AND LOCKABLE BARRIER; OTHERWISE, EXISTING STOREFRONT CAN NOT BE REMOVED UNLESS NEW STOREFRONT IS INSTALLED SAME DAY.

KEYNOTE LEGEND

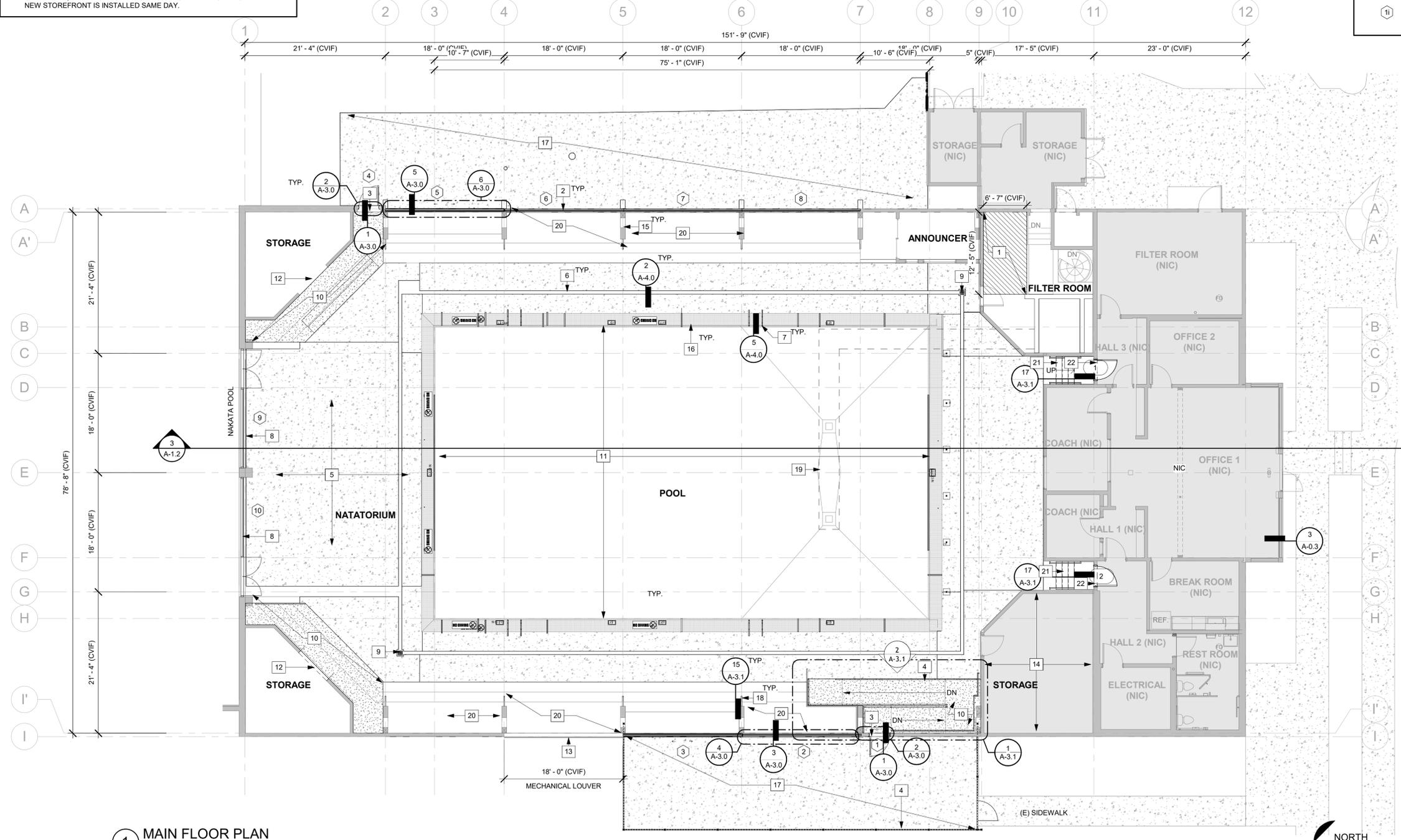
1	REPAIR SPALLING AND DELAMINATED CONCRETE AT FILTER ROOM, COORDINATE WITH STRUCTURAL FOR PROPOSED REPAIR WORK. REF MECHANICAL AND ELECTRICAL.
2	FURNISH AND INSTALL NEW STOREFRONT SYSTEM, IN ITS ENTIRETY. REF A3.0 FOR DETAILS, TYP.
3	FURNISH AND INSTALL EXTERIOR DOOR, DOOR FRAME, ALL ASSOCIATED ADA HARDWARE.
4	FURNISH AND INSTALL NEW HANDRAILS. REF 1&2/A3.1.
5	FURNISH AND INSTALL NEW CONCRETE SLAB ON GRADE. FLOOR SHALL SLOPE TO DRAIN AND BE ADA COMPLIANT, NOT TO EXCEED 2% SLOPE IN ANY DIRECTION. NO STANDING WATER ALLOWED. REF STRUCTURAL.
6	FURNISH AND INSTALL NEW LINEAR DRAIN SYSTEM. REF STRUCTURAL AND COORDINATE WITH MECHANICAL DOCS.
7	FURNISH AND INSTALL POOL DECK EQUIPMENT INSERTS AND FIXTURES. SEE A-1.1.
8	FURNISH AND INSTALL INTERIOR STOREFRONT. ENSURE SECURE AND LOCKABLE BARRIER. PROVIDE VISUAL BLOCKAGE BETWEEN THE TWO POOLS DURING CONSTRUCTION. ANY DAMAGE AND REPAIRS TO THE STOREFRONT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR REPAIR/ REPLACEMENT.
9	FURNISH AND INSTALL NEW CATCH BASIN(S) PER MECHANICAL AND STRUCTURAL DOCUMENTS.
10	FURNISH AND INSTALL SLIP RESISTANT COATING AT (E) CONCRETE STEPS AND RAMPS.
11	FURNISH AND INSTALL NEW PLASTER POOL LINER. REFER TO STRUCTURAL FOR REPAIR/PATCH OF (E) POOL BASIN PRIOR TO INSTALLATION OF NEW PLASTER LINER.
12	PATCH MASONRY AT CASSED OPENING. REF. STRUCTURAL.
13	FURNISH AND INSTALL LOUVER AND FRAME WHERE OLD LOUVERS WERE REMOVED. REFER TO MECHANICAL.
14	AT STORAGE ROOM, FURNISH AND INSTALL FLOOR LEVELING COMPOUND SUCH THAT THE FINISHED FLOOR MEETS THE FINISHED FLOOR OF THE NEW POOL DECK; PREP AND CLEAN FLOOR OF DIRT, DEBRIS PRIOR TO START OF WORK.
15	REPAIR GULCH/METAL BASE CONNECTION. COORDINATE WITH STRUCTURAL FOR PROPOSED REPAIR WORK.
16	FURNISH AND INSTALL NEW TILE AT TOP AND EDGE FACE OF DECK, INCLUDE ACCENT/ PATTERNED TILE AND POLO MARKERS; REF. 5/A4.0
17	REPLACE CONCRETE SLAB TO SAME EXTENT AS EXISTING. REF. STRUCTURAL.
18	FURNISH AND INSTALL SAFETY RAIL BELOW (E) ARCHED GLUE LAMINATED BEAM AT NING (9) LOCATIONS WHERE VERTICAL CLEARANCE IS LESS THAN 80" AFF. SEE DETAIL 5/A3.1
19	PATCH AND REPAIR POOL BASIN FLOOR WHERE NEW WORK OCCURED FOR VGB DRAINS. FIBERGLASS LINER REPLACEMENT TO BE CONSOLIDATED; REF STRUCTURAL.
20	REPAIR HOLES IN CONCRETE LEFT FROM REMOVING (E) ALUMINUM BENCHES AT 88 LOCATIONS; REF STRUCTURAL
21	INSTALL NEW STAIRS. REF. STRUCTURAL. PLAN
22	PATCH MASONRY AT (E) CASSED OPENING. INSTALL HOLLOW METAL FRAME AND DOOR FINISHED WITH HIGH PERFORMANCE COATING.

PLAN LEGEND

	KEYNOTE		EXISTING WALL CONSTRUCTION TO REMAIN
	NEW CONSTRUCTION		SECTION NUMBER DRAWING SHEET
	(E) DOOR TO REMAIN		DETAIL NUMBER DRAWING SHEET
	DOOR NUMBER SEE SCHEDULE		CALLOUT NUMBER DRAWING SHEET
	Room name ROOM NAME		SLIP RESISTANT COATING AT (E) CONCRETE STEPS AND RAMP
	EXTERIOR ELEVATION NUMBER & DRAWING SHEET		CONCRETE POOL DECK/CONCRETE PATIO REF. STRUCTURAL
	STOREFRONT TAG		

2 FILTER ROOM BASEMENT PLAN

1/8" = 1'-0"



1 MAIN FLOOR PLAN

1/8" = 1'-0"



RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2 01-30-2026

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#	DATE

PROJECT ARCHITECT
SMS
PROJECT MANAGER
LB
DRAWN
Author

RAY WILLIAMSON POOL FLOOR PLAN

A-1.0
2208

KEYNOTE LEGEND	
1	INSTALL NEW POOL EQUIPMENT, POOL STEP HANDRAIL, AND STARTING BLOCK ANCHORS. COORDINATE WITH STRUCTURAL.
2	FURNISH AND INSTALL "NO DIVING SIGNAGE, TYPICAL; REF. 8/A-4.0.
3	FURNISH AND INSTALL DEPTH MARKER SIGNAGE AT SHALLOW AND DEEP END O.C. AND SIDES OF POOL- TYP AT TOP OF DECK AND VERTICAL EDGE OF DECK CANTILEVER; REF. A-1.2 AND 8/A-4.0.
4	FURNISH AND INSTALL NEW PLASTER POOL LINER; REFER TO STRUCTURAL FOR REPAIR/PATCH OF (E) POOL BASIN PRIOR TO INSTALLATION OF NEW PLASTER LINER.
5	FURNISH AND INSTALL POLO MARKERS REF. A-1.2.

EQUIPMENT SCHEDULE			
MARK	EQUIP	COUNT	Comments
A	NEW STARTING BLOCK	6	INSTALL NEW STARTING BLOCKS ANCHORS, CENTER OF EACH LANE
B	POOL LADDER RAIL	4	INSTALL NEW POOL LADDER RAIL, INSERTS TO BE INSTALLED PER MANUFACTURER.

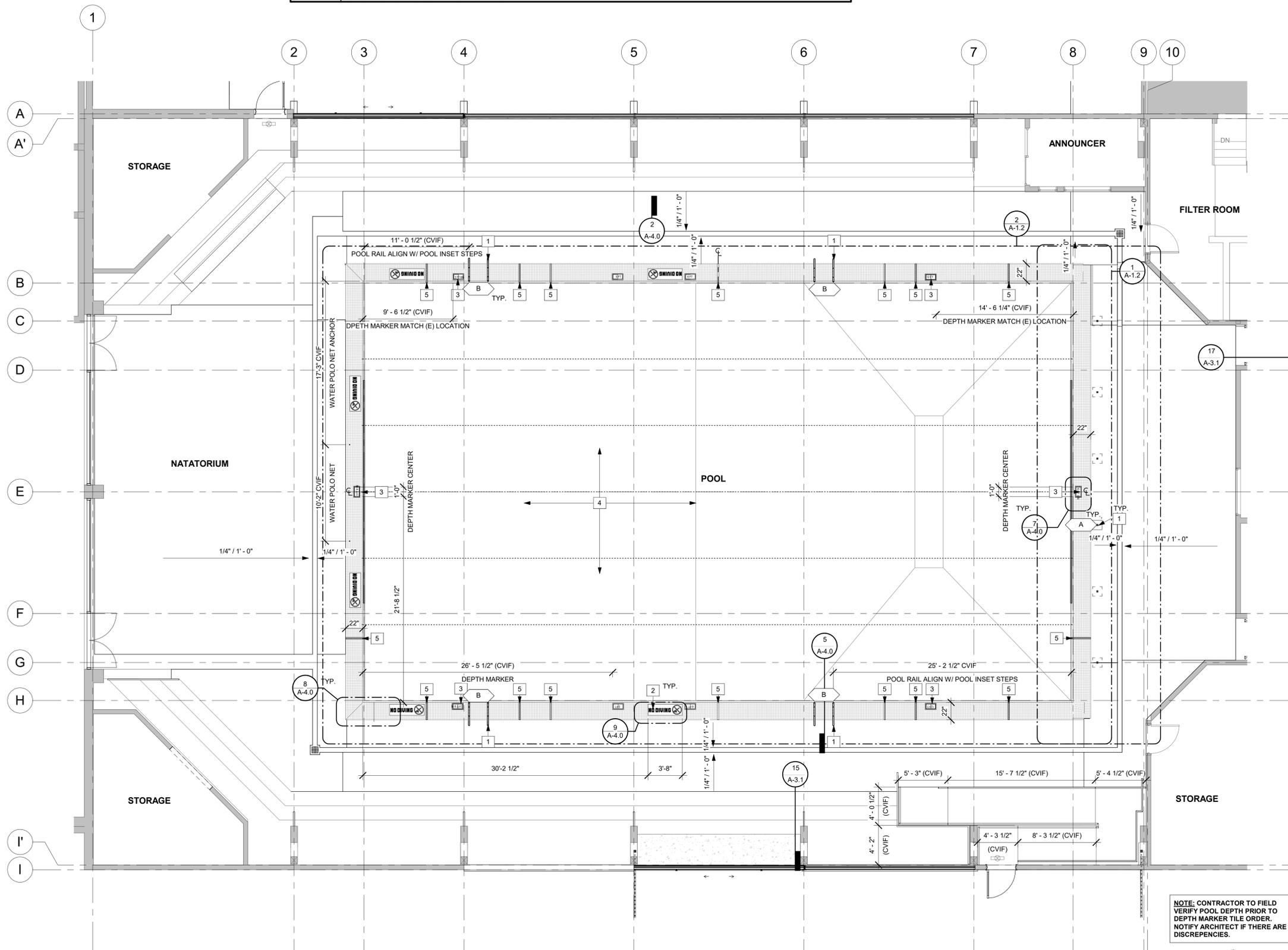
SPECIAL NOTES

- CONTRACTOR TO FIELD VERIFY ALL (E) FIXTURE LOCATIONS; FIXTURES, INSERTS, AND ANCHORS. INSTALL BLOCKING AT (E) LOCATION FOR FIXTURES TO BE REINSTALLED IN PLACE IN NEW DECK.
- FOR ALL POOL EQUIPMENT, REQUIRED TO BE INSTALLED PER FINA AND CITY OF BAINBRIDGE ISLAND HEALTH DEPT. REQUIREMENTS; COORDINATE WITH BAINBRIDGE ISLAND PARKS REPRESENTATIVE.

GENERAL NOTES

- POOL RAIL AND POLO MARKER LOCATIONS SYMMETRICAL ON EAST AND WEST SIDE OF THE POOL. DIMENSIONS ONLY SHOWN ON ONE SIDE FOR CLARITY

EQUIPMENT LEGEND	
	EXISTING CONSTRUCTION
	NEW WORK
	KEYNOTE
	SIM DETAIL NUMBER SHEET
	EQUIPMENT TAG



NOTE: CONTRACTOR TO FIELD VERIFY POOL DEPTH PRIOR TO DEPTH MARKER TILE ORDER. NOTIFY ARCHITECT IF THERE ARE DISCREPANCIES.



1 EQUIPMENT PLAN
3/16" = 1'-0"



RAY WILLIAMSON POOL RENOVATION
8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2
01-30-2026

_____ DATE _____

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SMS
PROJECT MANAGER
LB
DRAWN

RAY WILLIAMSON POOL EQUIPMENT PLAN

A-1.1
2208

RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2
 01-30-2026

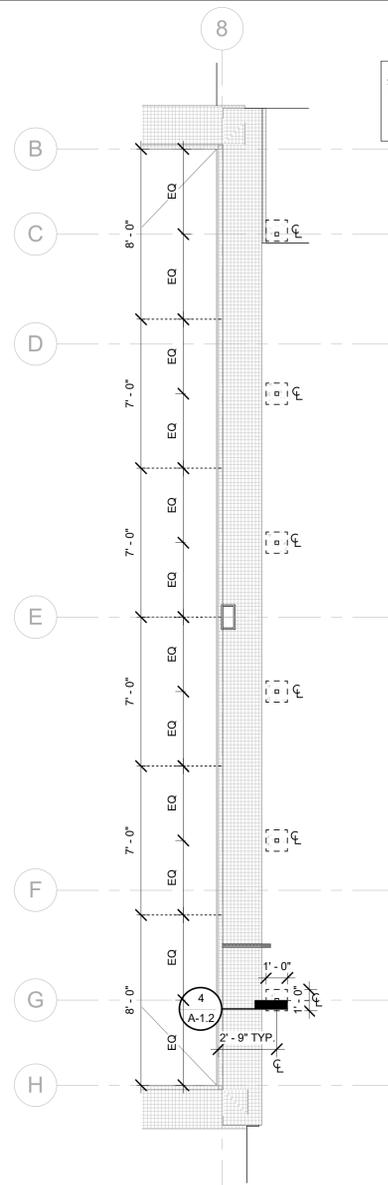
_____ DATE _____

PROJECT ARCHITECT
 SMS
 PROJECT MANAGER
 LB
 DRAWN

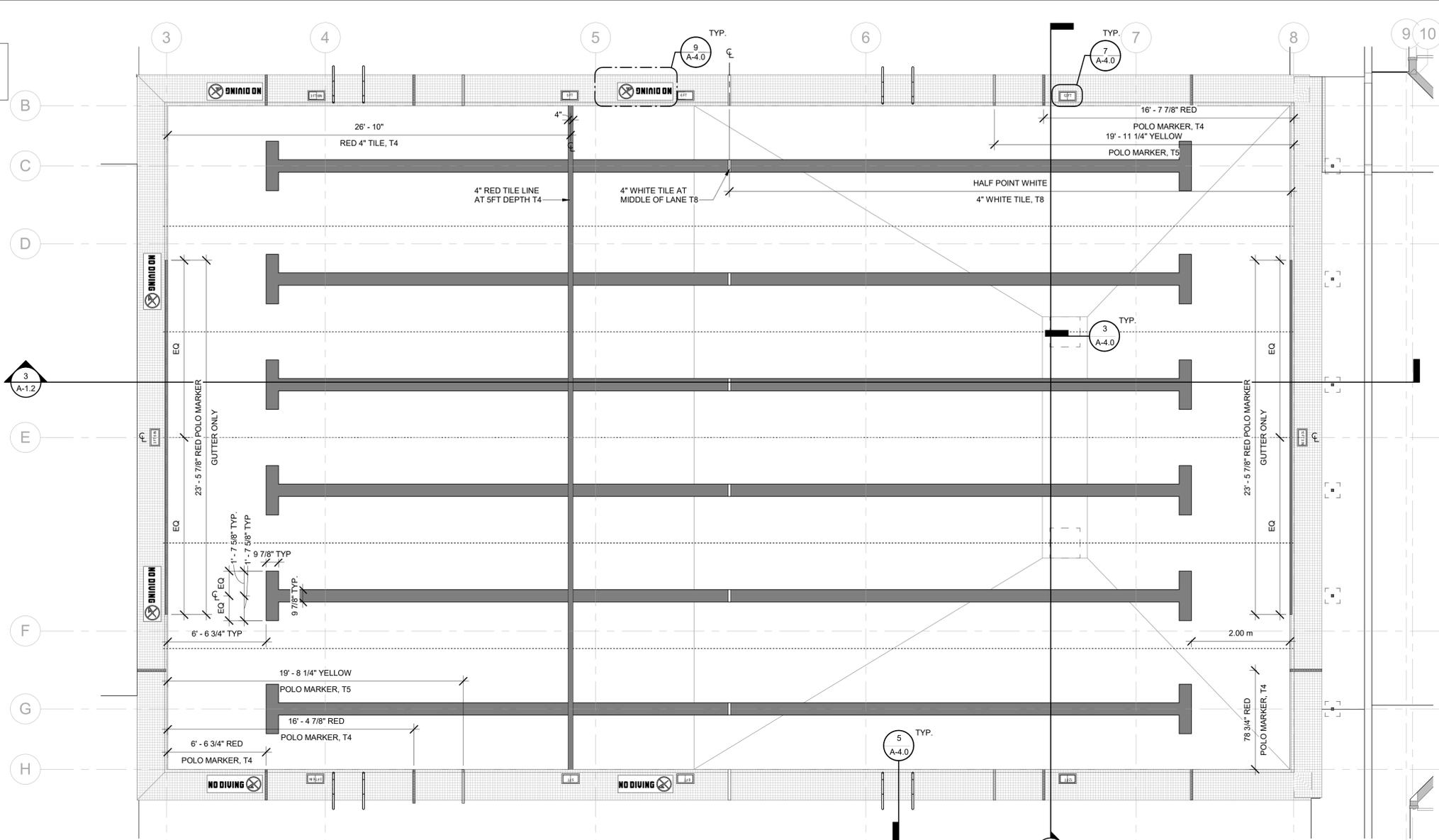
ENLARGED PLAN/
 SECTIONS

A-1.2
 2208

NOTE: CONTRACTOR TO FIELD VERIFY POOL DEPTH PRIOR TO DEPTH MARKER TILE ORDER. NOTIFY ARCHITECT IF THERE ARE DISCREPANCIES.

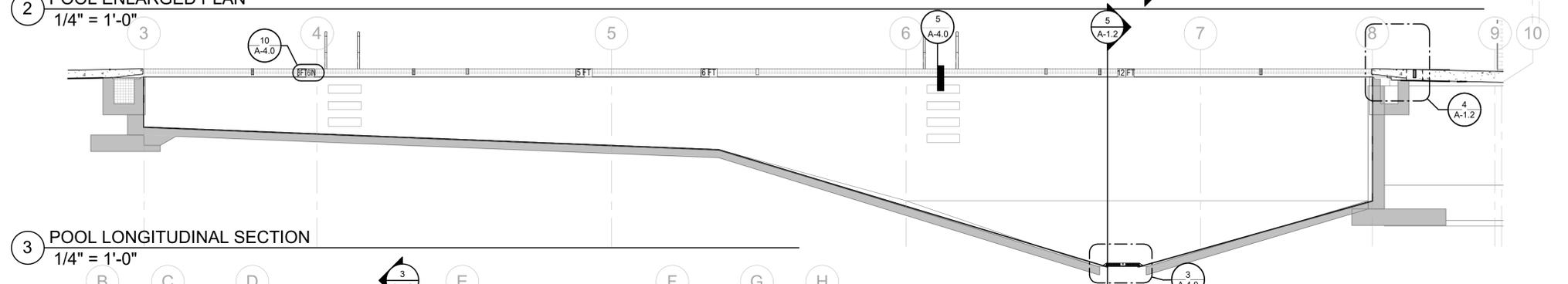


1 STARTING BLOCK ANCHOR ENLARGED PLAN
 1/4" = 1'-0"

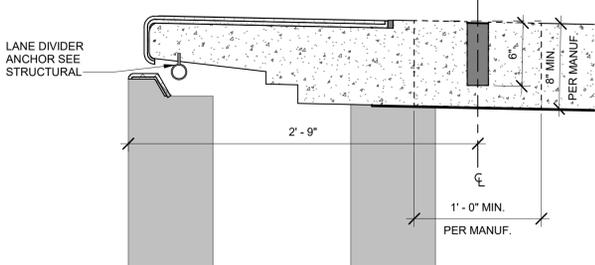


2 POOL ENLARGED PLAN
 1/4" = 1'-0"

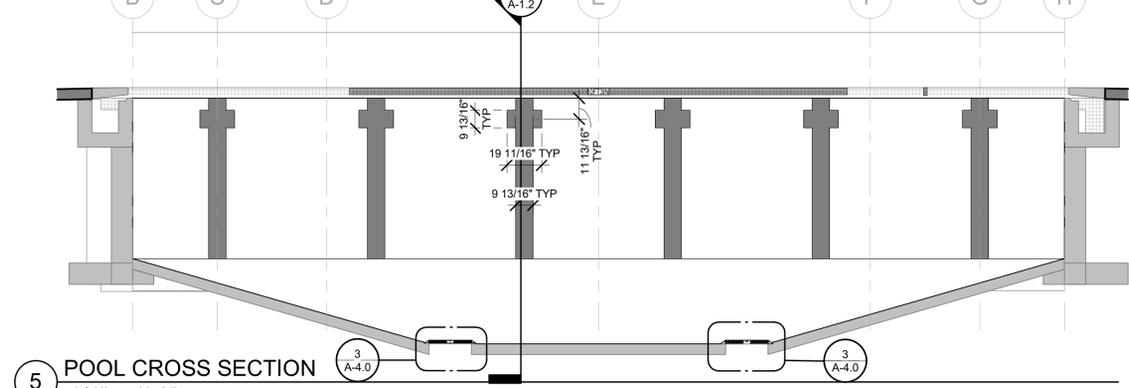
SPECIAL NOTE:



3 POOL LONGITUDINAL SECTION
 1/4" = 1'-0"



4 STARTING BLOCK ANCHOR
 1 1/2" = 1'-0"



5 POOL CROSS SECTION
 1/4" = 1'-0"

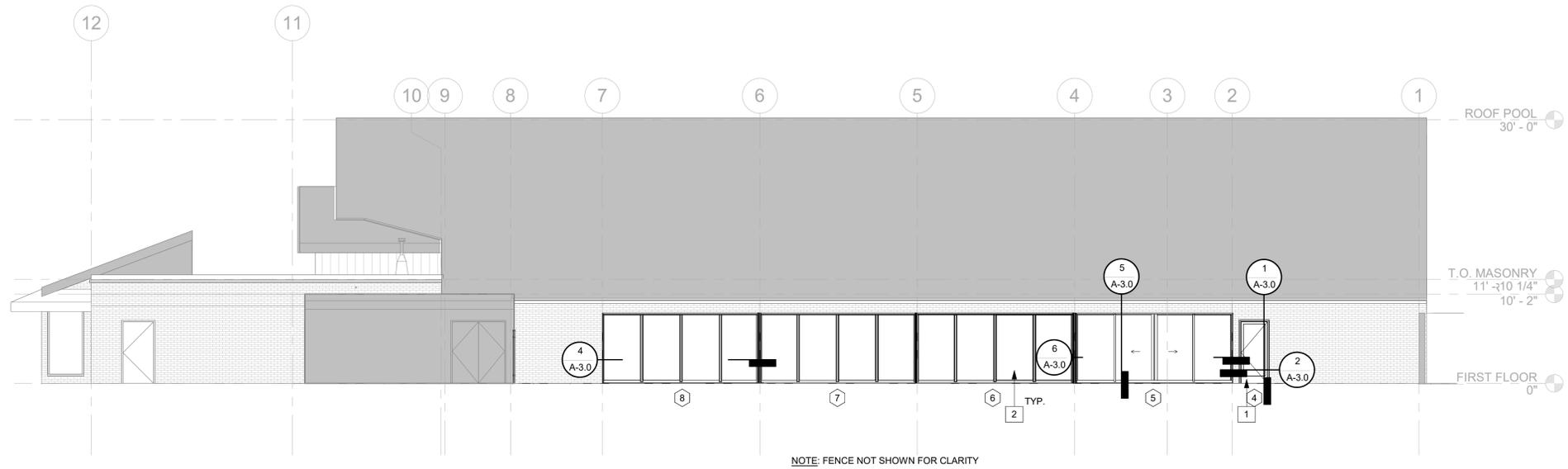
ELEVATION GENERAL NOTES	
1.	EXISTING DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE FIELD VERIFIED BY GC. CONTACT THE ARCHITECT IF DISCREPANCIES ARE DISCOVERED.
2.	CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY AND COMPLIANCE WITH ALL STATE OR LOCAL CODES AND ORDINANCES GOVERNING THE WORK.

ELEVATION KEYNOTE LEGEND	
1	FURNISH AND INSTALL EXTERIOR DOOR, DOOR FRAME, ALL ASSOCIATED ADA HARDWARE.
2	FURNISH AND INSTALL NEW STOREFRONT SYSTEM, IN ITS ENTIRETY. REF A3.0 FOR DETAILS, TYP.
3	FURNISH AND INSTALL LOUVER AND FRAME WHERE OLD LOUVERS WERE REMOVED. REFER TO MECHANICAL.

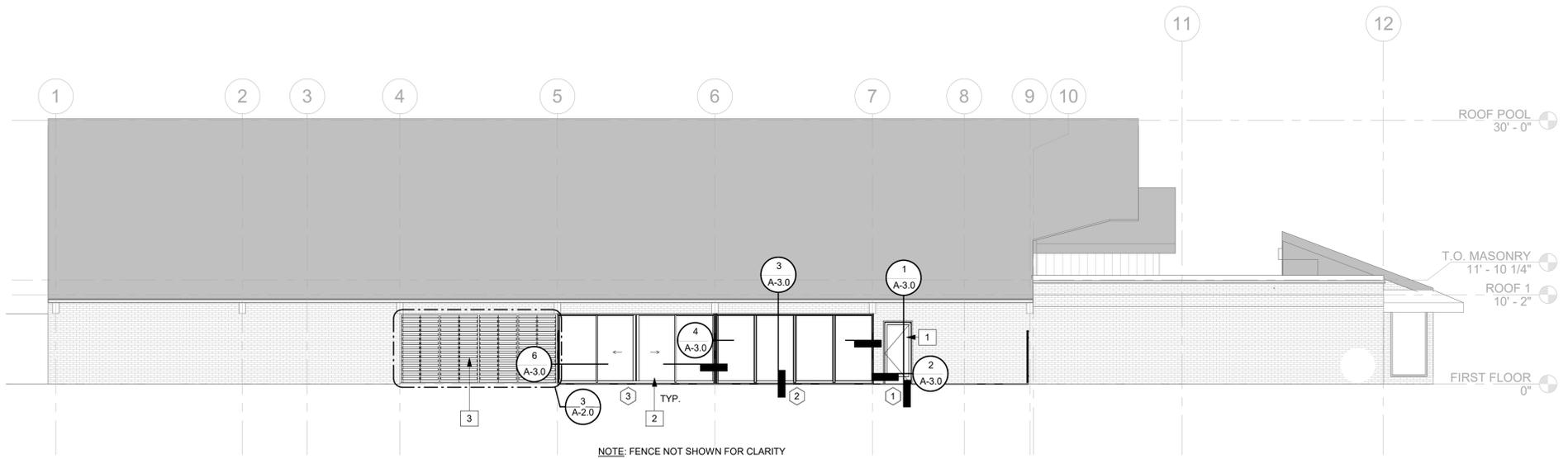
BUILDING ENVELOPE REQUIREMENTS				
C503.3.2.1 REPLACEMENT FENESTRATION PRODUCTS SHALL MEET TABLE C402.4				
PRESCRIPTIVE PERFORMANCE: 2018 WSEC TABLES C402.1.3, C402.1.4, AND C402.4)				
CLIMATE ZONE: 4C (KITSAP)				
COMPONENTS	REQUIRED MIN INSUL R-VALUE	ASSEMBLY MAX U-FACTOR	PROPOSED INSUL R-VALUE	PROPOSED U-FACTOR
VERTICAL FENESTRATION:				
FIXED (CLASS AW)		0.38		0.38
OPERABLE (CLASS AW)		0.40		0.40
OTHER VERTICAL FENESTRATION		0.30		0.30
ENTRANCE DOORS:		0.60		0.60
SKYLIGHTS:		0.50		0.50
FENESTRATION:				
PF<0.2	SEW	N		
0.2<PF<0.5	0.46	0.56		
PF>0.5	0.61	0.61		
SKYLIGHT				
		0.35		
MAXIMUM AREA C402.4.1:				
TOTAL VERTICAL FENESTRATION: MAX 30% ABV. GRADE WALL				
TOTAL SKYLIGHT: MAX 5% TOTAL GROSS ROOF AREA				
NOTES:				
1. INSULATION PRODUCTS SHALL ALL HAVE IDENTIFICATION MARKS				
2. GLAZING PRODUCTS SHALL BE LABELED WITH U-FACTOR, SHGC, VT, AND LEAKAGE RATING.				
3. WHERE TWO OR MORE LAYERS OF RIGID INSULATION WILL BE USED, EDGE JOINTS BETWEEN LAYERS ARE STAGGERED				



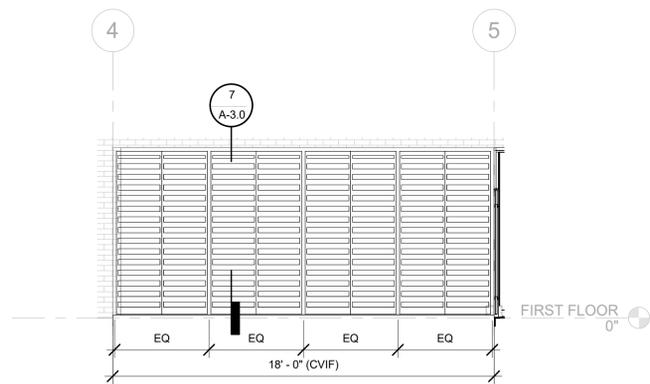
ELEVATION LEGEND	
#	KEYNOTES
■	NIC
①	STOREFRONT TAG
① A101	SIM DETAIL NUMBER SHEET



1 EAST ELEVATION
1/8" = 1'-0"



2 WEST ELEVATION
1/8" = 1'-0"



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

RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2
01-30-2026

#	DATE
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PROJECT ARCHITECT
SMS
PROJECT MANAGER
LB
DRAWN
Author

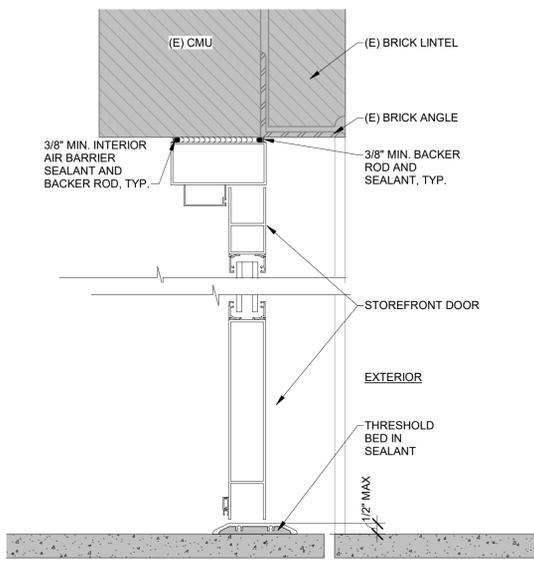
EXTERIOR ELEVATIONS

A-2.0
2208

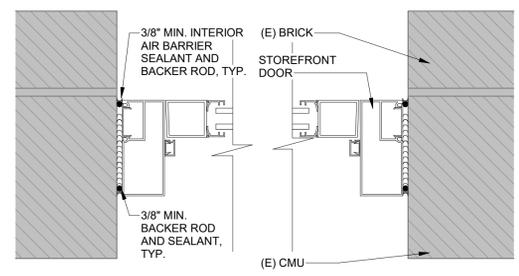
DETAIL NOTES:

- SHIMS AND SETTING BLOCKS MAY NOT BE SHOWN IN ALL DETAILS FOR CLARITY. NO WOOD SETTING BLOCKS OR WOOD SHIMS FOR STOREFRONTS ALLOWED!
- ALL STOREFRONTS TO RECEIVE FULL AND CONTINUOUS PERIMETER EXTERIOR WATERTIGHT BACKER ROD AND SEALANT JOINT WITH WEEPS WHERE REQUIRED. AT INTERIOR INSTALL FULL AND CONTINUOUS AIR- AND WATERTIGHT BACKER ROD AND SEALANT JOINTS AT ALL FOUR SIDES.

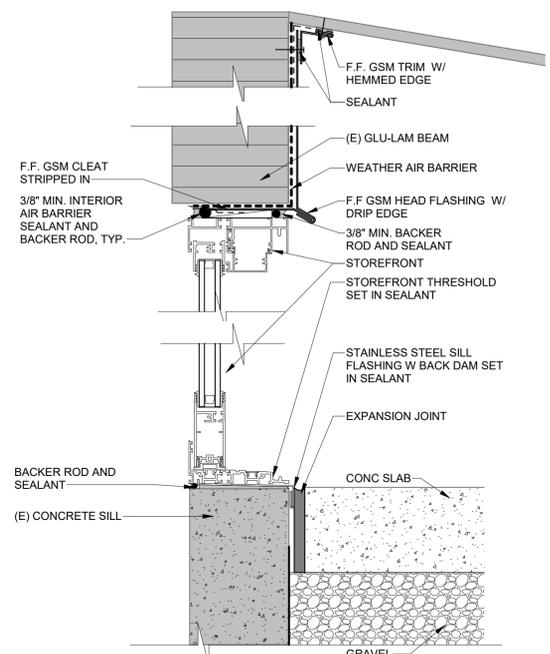
EXAMPLE SCHEMATIC SEALANT JOINT PROFILE RATIO 2:1 (3/8" MIN. AND 3/4" MAX. JOINT WIDTH RECOMMENDED) AS REQ'D BY MANUF. BACKER ROD NOT DEPICTED



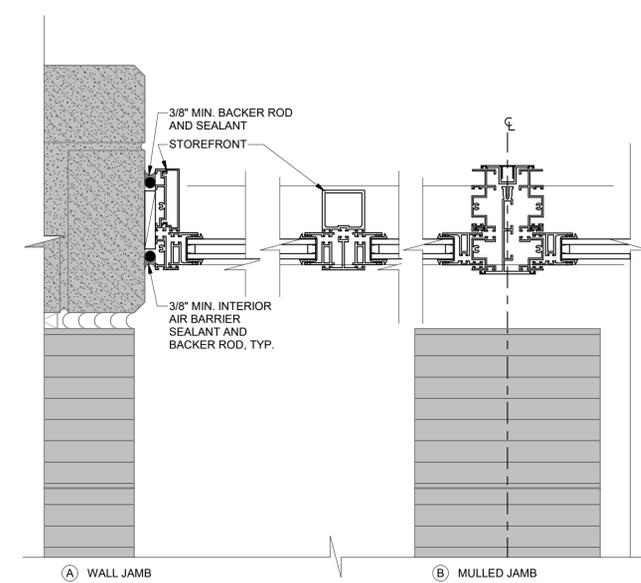
1 EXTERIOR DOOR HEAD/ SILL @EXISTING OPENING
 3" = 1'-0"



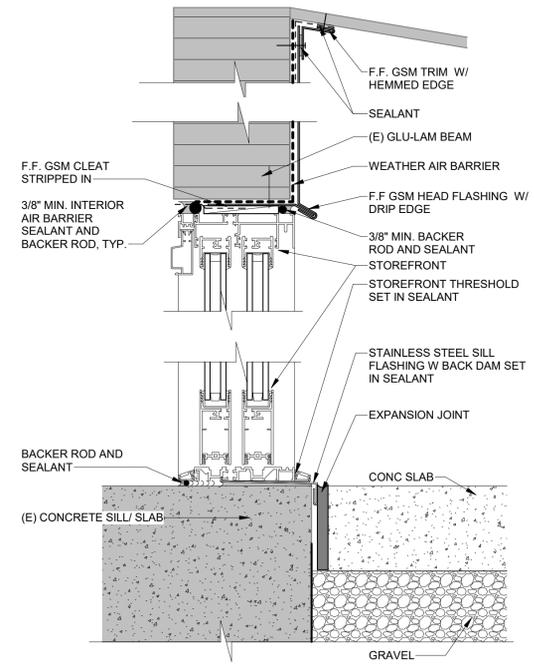
2 EXTERIOR DOOR JAMB AT EXISTING OPENING
 3" = 1'-0"



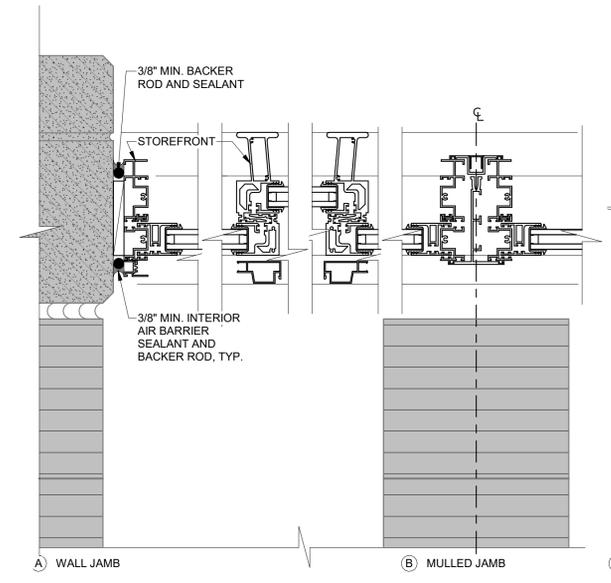
3 NATATORIUM FIXED STOREFRONT HEAD AND SILL
 3" = 1'-0"



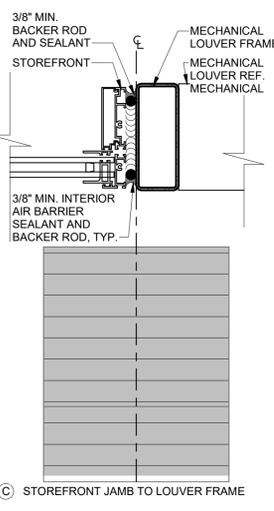
4 NATATORIUM FIXED STOREFRONT JAMB
 3" = 1'-0"



5 NATATORIUM SLIDER STOREFRONT HEAD AND SILL
 3" = 1'-0"



6 NATATORIUM SLIDER STOREFRONT JAMB
 3" = 1'-0"



7 NATATORIUM MECH LOUVER HEAD AND SILL
 3" = 1'-0"

RAY WILLIAMSON POOL RENOVATION

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 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2
 01-30-2026

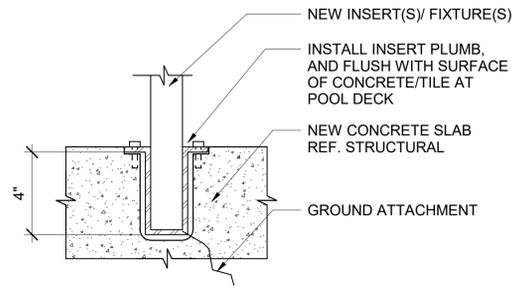
_____ DATE _____

PROJECT ARCHITECT
 SMS
 PROJECT MANAGER
 LB
 DRAWN

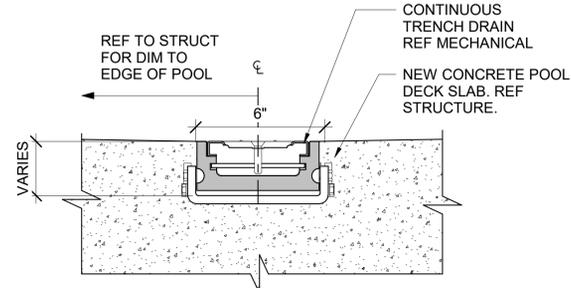
DETAILS

A-3.0
 2208

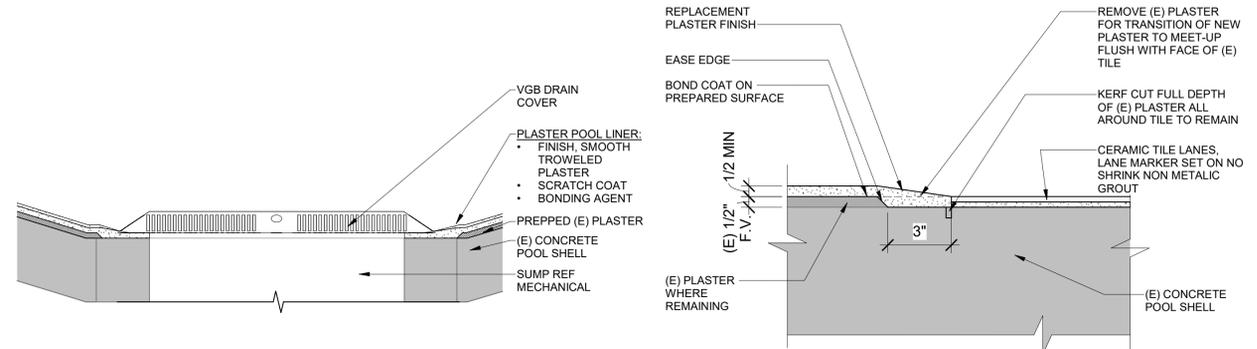
SPECIAL NOTE: PROVIDE POOL GROUNDING FOR ALL POOL ACCESSORIES AND RAILS AS REQUIRED PER NEC CODE. SEE ELECTRICAL FOR GROUNDING OF POOL DECK FIXTURES.



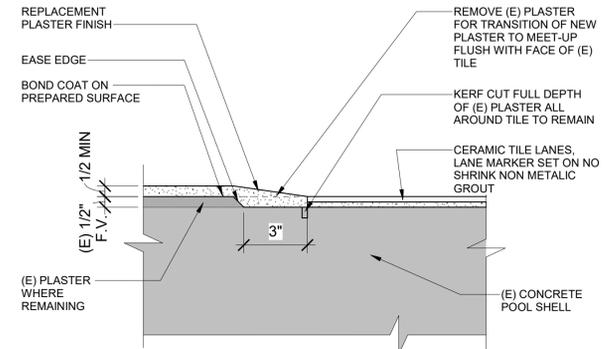
1 POOL EQUIPMENT INSERT TYP.
3" = 1'-0"



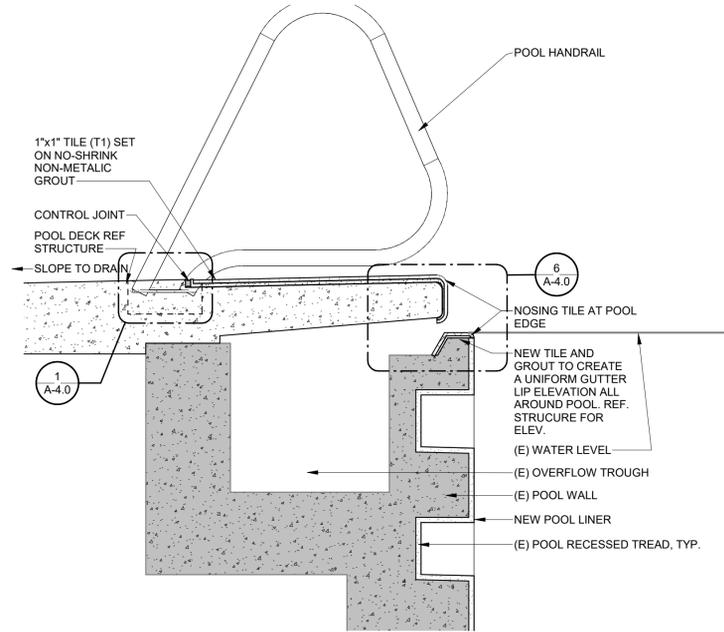
2 POOL DECK TRENCH DRAIN SECTION-TYP.
3" = 1'-0"



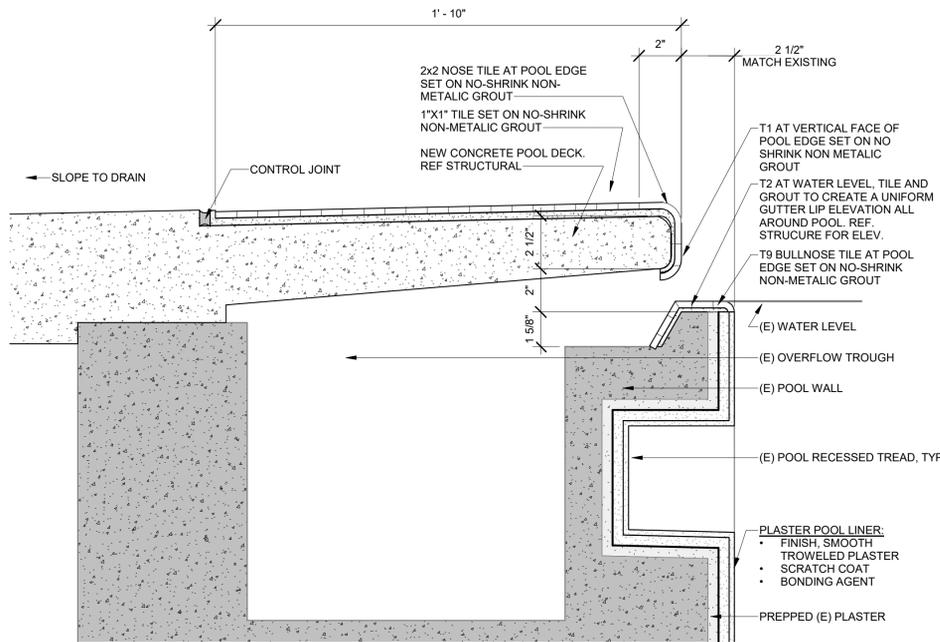
3 VGB DRAIN COVER
1 1/2" = 1'-0"



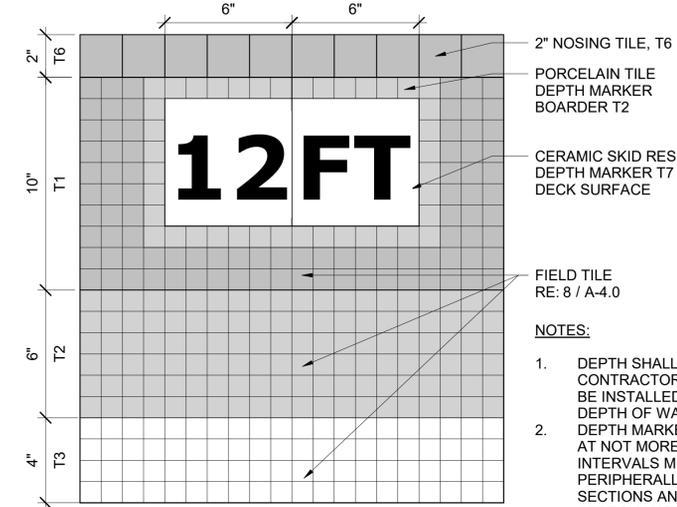
4 TYP PLASTER KERF-IN
3" = 1'-0"



5 POOL PERIMETER TILE SECTION
1 1/2" = 1'-0"

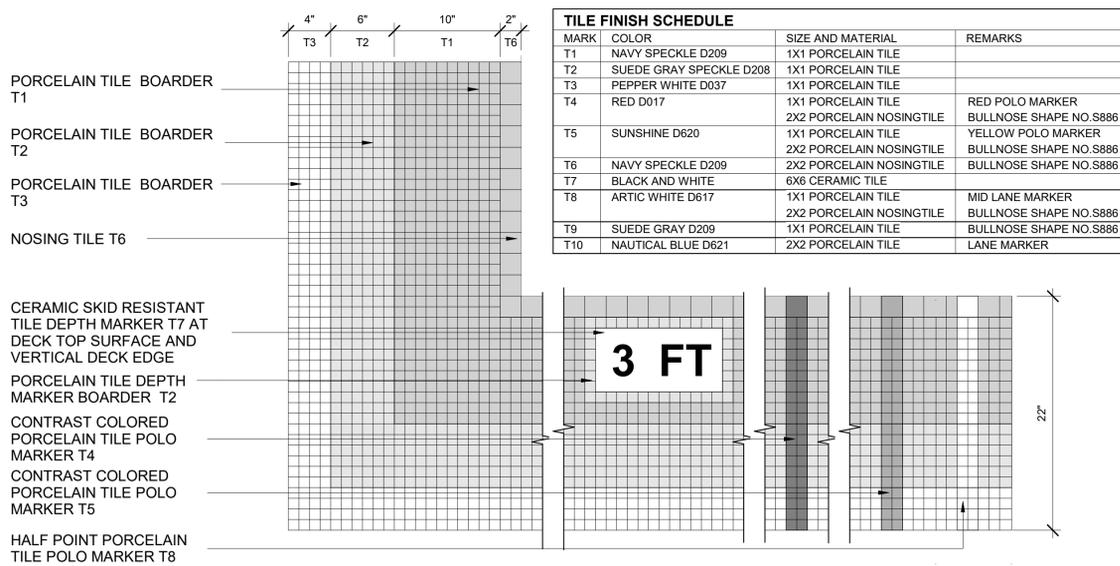


6 POOL GUTTER LIP TILE/ LINER & RECESSED TREAD
3" = 1'-0"

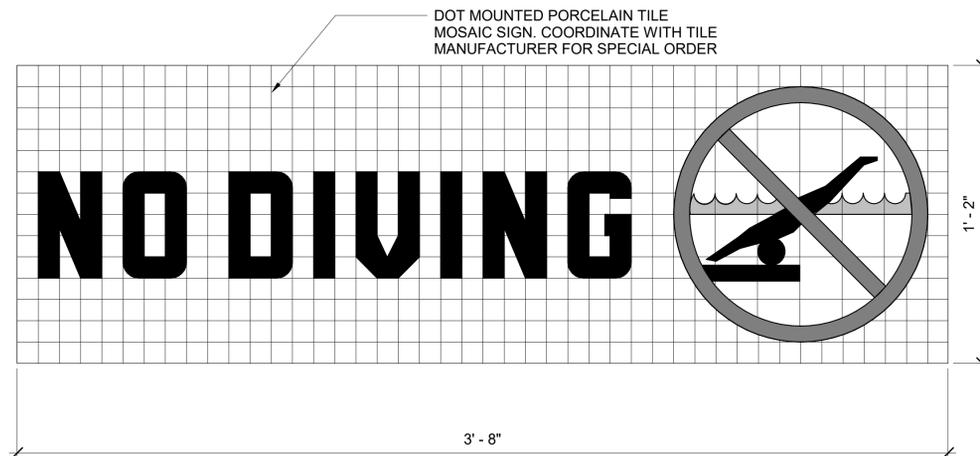


7 POOL DECK DEPTH MARKERS - PLAN
3" = 1'-0"

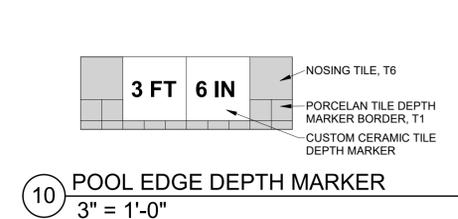
- NOTES:
1. DEPTH SHALL BE VERIFIED BY CONTRACTOR AND MARKERS SHALL BE INSTALLED TO INDICATE ACTUAL DEPTH OF WATER.
 2. DEPTH MARKERS SHALL BE SPACED AT NOT MORE THAN 25'-0" INTERVALS MEASURED PERIPHERALLY. REFER TO POOL SECTIONS AND SPA SECTIONS FOR APPROXIMATE LOCATION.
 3. TILES SHALL BE RECESSED SO THAT THE FACE OF THE TILE IS FLUSH WITH THE FINISHED SURFACE.
 4. DEPTH MARKERS SHALL BE WHITE, NON-SLIP TILE WITH BLACK NUMERALS.



8 POOL DECK PERIMETER TILE
1 1/2" = 1'-0"



9 NO DIVING SIGN
3" = 1'-0"



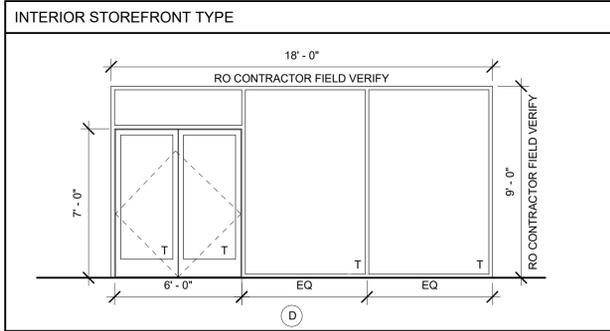
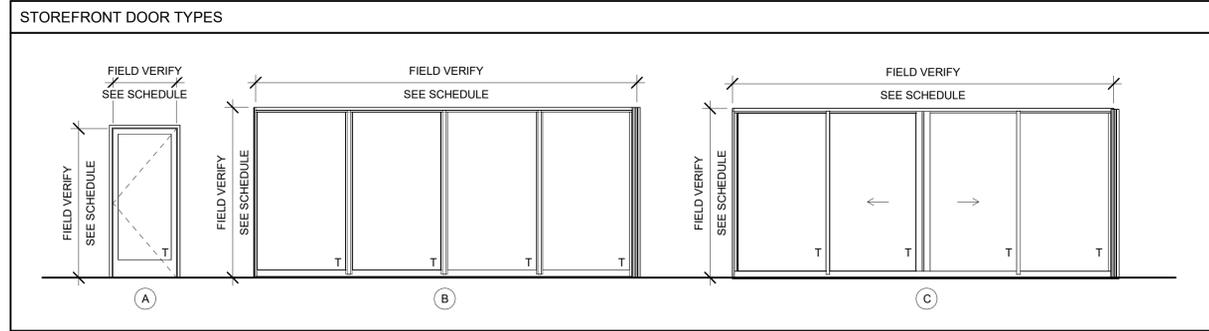
10 POOL EDGE DEPTH MARKER
3" = 1'-0"

- NOTES:
1. REFER TO POOL PLANS FOR APPROXIMATE LOCATION.
 2. TILES SHALL BE RECESSED SO THAT THE FACE OF THE TILE IS FLUSH WITH THE FINISHED SURFACE.
 3. COORDINATE WITH MANUFACTURER TO PRODUCE MOSAIC SIGNS WITH BLACK DIVER SILHOUETTE.

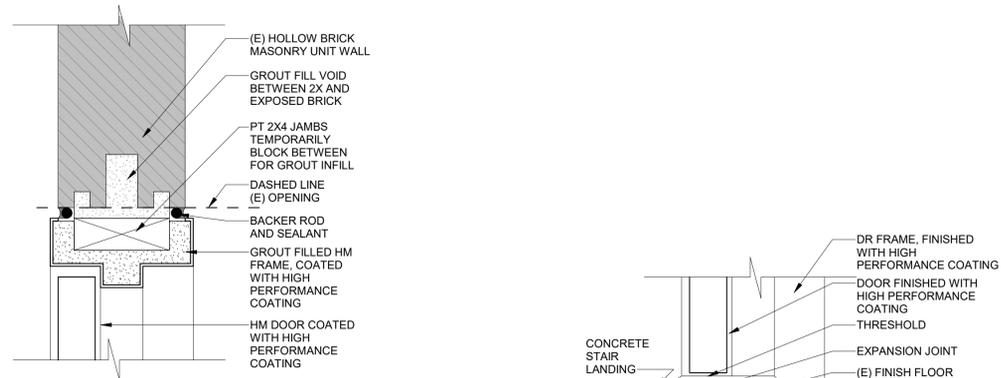
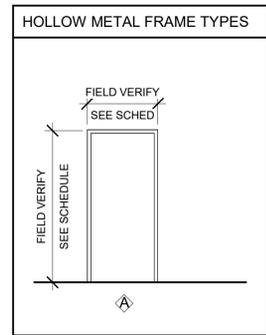
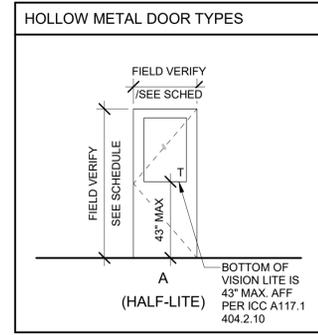
STOREFRONT SCHEDULE													
#	TYPE	WIDTH	HEIGHT	COUNT	ROOM	U-VALUE	SHGC	FINISH	DETAILS			HARDWARE GROUP	NOTES
									JAMB	HEAD	SILL/ THRESHOLD		
1	A	3'-0"	7'-0"	1	NATORORIUM	0.6	0.46	FF	2/A3.0	1/A3.0	1/A3.0	1	RO FIELD VEIRFY
2	B	18'-0"	8'-0"	1	NATORORIUM	0.34	0.46	FF	4A&B/A3.0	3/A3.0	3/A3.0	--	RO FIELD VEIRFY
3	C	18'-0"	8'-0"	1	NATORORIUM	0.34	0.46	FF	6B&C/A3.0	5/A3.0	5/A3.0	2	RO FIELD VEIRFY
4	A	3'-0"	7'-0"	1	NATORORIUM	0.6	0.46	FF	2/A3.0	1/A3.0	1/A3.0	1	RO FIELD VEIRFY
5	C	18'-0"	8'-0"	1	NATORORIUM	0.34	0.46	FF	6A&B/A3.0	5/A3.0	5/A3.0	2	RO FIELD VEIRFY
6	B	18'-0"	8'-0"	1	NATORORIUM	0.34	0.46	FF	4B/A3.0	3/A3.0	3/A3.0	--	RO FIELD VEIRFY
7	B	18'-0"	8'-0"	1	NATORORIUM	0.34	0.46	FF	4B/A3.0	3/A3.0	3/A3.0	--	RO FIELD VEIRFY
8	B	18'-0"	8'-0"	1	NATORORIUM	0.34	0.46	FF	4A&B/A3.0	3/A3.0	3/A3.0	--	RO FIELD VEIRFY

INTERIOR STOREFRONT													
#	TYPE	WIDTH	HEIGHT	Count	ROOM	FINISH	DETAILS			HARDWARE GROUP	NOTES		
							JAMB	HEAD	SILL				
9	D	18'-0"	9'-0"	1	NATORORIUM	FF	11/A-3.1	9/A-3.1	9 & 10/A-3.1		RO FIELD VEIRFY		
10	D	18'-0"	9'-0"	1	NATORORIUM	FF	11/A-3.1	9/A-3.1	9 & 10/A-3.1		RO FIELD VEIRFY		

- ### DOOR & HARDWARE GENERAL NOTES
- CONTRACTOR IS TO FIELD VERIFY ROUGH OPENINGS WHERE DOORS AND FRAMES ARE TO BE REPLACED.
 - PER IBC 1010.1.3 DOOR OPENING FORCE: THE FORCE OF PUSHING OR PULLING OPEN INTERIOR SWINGING EGRESS DOORS, OTHER THAN FIRE DOORS, SHALL NOT EXCEED 5 POUNDS. FOR OTHER SWINGING DOORS, AS WELL AS SLIDING AND FOLDING DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15 POUND FORCE. THE DOOR SHALL BE SET IN MOTION WHEN SUBJECTED TO A 30 POUND FORCE. THE DOOR SHALL SWING TO A FULL OPEN POSITION WHEN SUBJECTED TO A 15 POUND FORCE.
 - PROVIDE HARDWARE FOR ALL DOORS REQUIRED TO BE ACCESSIBLE PER IBC CHAPTER 10 AND ICC A117.1
 - THE BOTTOM 10 INCHES OF ALL DOORS AND/ OR GATES SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR OR GATE TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION (ICC A117.1 404.2.9). EXCEPTION: SLIDING DOORS NOT REQUIRED TO COMPLY
 - CHANGES IN LEVEL OF 1/4" MAXIMUM IN HEIGHT SHALL BE PERMITTED TO BE VERTICAL. CHANGES IN LEVEL GREATER THAN 1/2" IN HEIGHT AND NOT MORE THAN 1/2" MAXIMUM IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. (ICC A117.1 303.2 AND 303.3)
 - PROVIDE LEVER TYPE HANDLES, MOUNTED BETWEEN 34" MIN AND 48" MAX. AT ALL SPACES SCHEDULED TO BE ACCESSIBLE PER CODE. (ICC A117.1 404.2.6.1)
 - DOOR HARDWARE WITH MORE THAN TWO LOCKING OR LATCHING DEVICES MUST HAVE A SINGLE ACTION OPENING DEVICE. DEAD BOLT AND LEVER HANDLE MUST UNLATCH AT THE SAME TIME WITH ONE MOVEMENT.
 - DOOR CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR OR GATE TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. (ICC A117.1 404.2.7.1)
 - REFER TO SPECIFICATIONS FOR HARDWARE SETS.



DOOR SCHEDULE															
DOOR NO.	ROOM	WIDTH	HEIGHT	THICKNESS	FIRE RATING	DOOR			FRAME			DETAILS			NOTES
						DOOR TYPE	MATERIAL	FINISH	FRAME TYPE	MATERIAL	FINISH	JAMB	HEAD	SILL/ THRESHOLD	
1	HALL 3 (NIC)	3'-0"	7'-0"	1 3/4"	1HR	A	HM	FF	A	HM	FF	1/A 5.0	1/A 5.0	2/A 5.0	HIGH PERFORMANCE COATING, CVIF EXISTING RO
2	HALL 2 (NIC)	3'-0"	7'-0"	1 3/4"	1HR	A	HM	FF	A	HM	FF	1/A 5.0	1/A 5.0	2/A 5.0	HIGH PERFORMANCE COATING, CVIF EXISTING RO



1 INTERIOR HOLLOW METAL DOOR @ BRICK HEAD/ JAMB
3" = 1'-0"

2 DOOR THRESHOLD
3" = 1'-0"



RAY WILLIAMSON POOL RENOVATION
 8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2
01-30-2026

REVISIONS	
#	DATE

PROJECT ARCHITECT
SMS
PROJECT MANAGER
LB
DRAWN
Author

SCHEDULES

A-5.0
2208



1 (E) CRACKED CONCRETE @ (E) SIDEWALK



(E) CHLORINE GAS LINE TAKE
EXTREME
CAUTION NOT
TO DAMAGE
PER MECH

2 (E) CHLORINE PIPE-CAUTION!



(E) RAILING (E) STOREFRONT

3 (E) E NANATORIUM STOREFRONT



4 (E) W NANATORIUM STOREFRONT
1/4" = 1'-0"



DEMO (E) LINEAR DRAIN, REF PLUMBING DEMO (E) POOL DECK REF STRUCTURAL

5 (E) POOL DECK & DRAIN
1/4" = 1'-0"

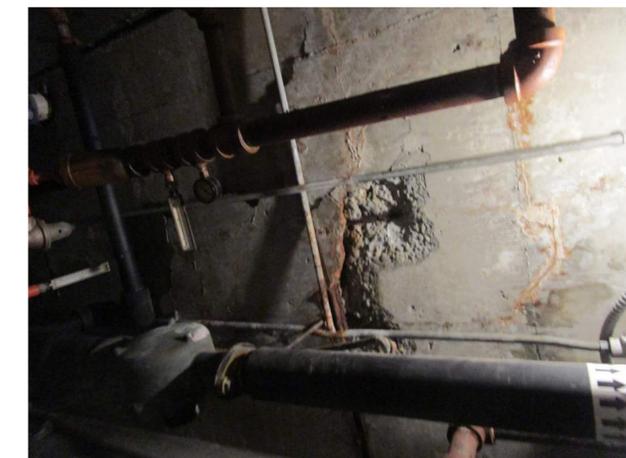


6 (E) ARCHED COLUMN BASE



REMOVE/ REPLACE CORRODED HANDRAIL SYSTEM

7 (E) RAMP



8 BASEMENT SPALLED CONCRETE
1/4" = 1'-0"



9 (E) INTERIOR STOREFRONT
1/4" = 1'-0"

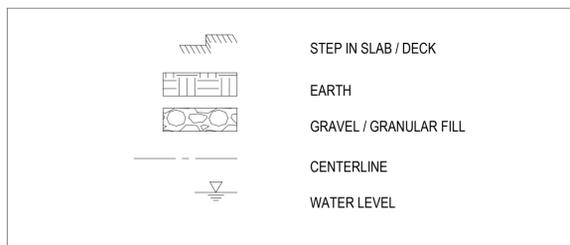


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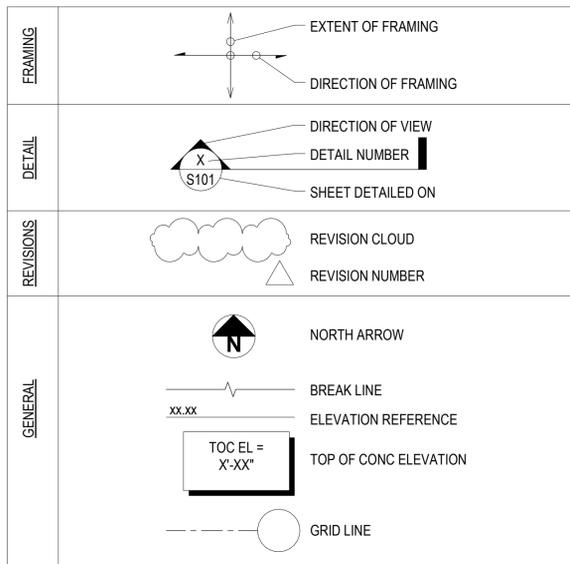
10 CONCRETE AT PREVIOUS BENCH POST
1/4" = 1'-0"

AB	ANCHOR BOLTS	FB	FLAT BAR	PC	PRECAST
ADDL	ADDITIONAL	FF	FAR FACE	PCF	POUNDS PER CUBIC FOOT
ADJ	ADJACENT	FIN	FINISH	PERP	PERPENDICULAR
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	FN	FIELD NAILING	PJP	PARTIAL JOINT PENETRATION
AGGR	AGGREGATE	1ST	FIRST	PL	PLATE
ALT	ALTERNATE	FLG	FLANGE	PLF	POUNDS PER LINEAR FOOT
&	AND	FLR	FLOOR	PLYWD	PLYWOOD
APPROX	APPROXIMATE	FDN	FOUNDATION	PREFAB	PREFABRICATED
ARCH	ARCHITECTURAL	FS	FAR SIDE	PSF	POUNDS PER SQUARE FOOT
@	AT	FT	FOOT; FEET	PSI	POUNDS PER SQUARE INCH
		FTG	FOOTING	PSL	PARALLEL STRAND LUMBER
		FV	FIELD VERIFY	PT	PRESSURE TREATED
				P-T	POST-TENSIONED
B	BOTTOM			QTY	QUANTITY
BAL	BALANCE	GA	GAUGE	R	RADIUS
BD	BOARD	GALV	GALVANIZED	REF	REFERENCE
BF	BRACED FRAME	GB	GRADE BEAM	REINF	REINFORCING
BOD	BOTTOM OF DECK	GC	GENERAL CONTRACTOR	REQD	REQUIRED
BRKT	BRACKET	GENL	GENERAL	REV	REVISION
BLDG	BUILDING	GEOTECH	GEOTECHNICAL ENGINEER	RO	ROUGH OPENING
BLKG	BLOCKING	GL	GLUED LAMINATED	RS	RIGHT SIDE
BM	BEAM	GLB	GLUED-LAMINATED BEAM		
BN	BOUNDARY NAILING	GR	GRADE		
B/	BOTTOM OF	GRAN	GRANULAR		
BOC	BOTTOM OF CONCRETE	GRND	GROUND		
B/CONC	BOTTOM OF CONCRETE	GYP BD	GYP SUM BOARD		
BOS	BOTTOM OF STEEL			S	SLOPE
B/STL	BOTTOM OF STEEL	HDR	HEADER	SCHED	SCHEDULE
BOT	BOTTOM	H; HORIZ	HORIZONTAL	SDS	SELF-DRILLING SCREW
BRG	BEARING	HP	STEEL HP SHAPE	2ND	SECOND
BTWN	BETWEEN	HSS	HOLLOW STRUCT SECTION	SECT	SECTION
BU	BUILT UP			SER	STRUCT ENGR OF RECORD
				SF	SQUARE FEET
c	CAMBER	ID	INSIDE DIAMETER	SFRS	SEISMIC FORCE RESISTING SYSTEM
C	STEEL CHANNEL	IF	INSIDE FACE	SGN	STRUCT GENERAL NOTES
CANT	CANTILEVER	IJ	ISOLATION JOINT	SHT	SHEET
CDF	CONTROLLED DENSITY FILL	IN	INCH; INCHES	SHTG	SHEATHING
CF	COLD FORMED	INCL	INCLUDE	SIM	SIMILAR
CIP	CAST IN PLACE	INFO	INFORMATION	SOG	SLAB ON GRADE
CJ	CONTROL JOINT	INT	INTERIOR	SPCS	SPACES
CJP	COMPLETE JT PENETRATION	JST	JOIST	SPEC	SPECIFICATION
CL	CENTERLINE	JT	JOINT	SQ	SQUARE
CLR	CLEARANCE; CLEAR			SS	STAINLESS STEEL
CMU	CONCRETE MASONRY UNIT	K; KIP	1,000 POUNDS	SSL	SHORT SLOTTED HOLE
COL	COLUMN	KLF	KIPS PER LINEAR FOOT	STD	STANDARD PIPE
CONC	CONCRETE	KSF	KIPS PER SQ FOOT	STIFF	STIFFENER
CONN	CONNECTION	KSI	KIPS PER SQ INCH	STL	STEEL
CONST	CONSTRUCTION			STRUCT	STRUCTURAL
CONT	CONTINUOUS	L	STEEL ANGLE	SW	SHEARWALL
CONTR	CONTRACTOR	L	LENGTH	SYM	SYMMETRICAL
COORD	COORDINATE	LAB	LABORATORY		
CS	COURSE(S)	LB; #	POUND	T	TOP; THICKNESS
CSP	CONCRETE SURFACE PROFILE	LF	LINEAL FOOT	T&B	TOP AND BOTTOM
CTR	CENTERED	LL	DOUBLE STEEL ANGLE	T&G	TONGUE-AND-GROOVE
CU FT;	CUBIC FOOT	LB	LOAD BEARING	TBD	TO BE DETERMINED
FT3		LIN	LINEAR	TEMP	TEMPERATURE, TEMPORARY
CU IN; IN3	CUBIC INCH	LLH	LONG LEG HORIZONTAL	3RD	THIRD
CY; YD3	CUBIC YARD	LLV	LONG LEG VERTICAL	THRU	THROUGH
		LONG	LONGITUDINAL	TO	TOP OF
		LS	LEFT SIDE	T/	TOP OF
DBA	DEFORMED BAR ANCHOR	LSL	LAMINATED STRAND LUMBER/	TOC	TOP OF CONCRETE
DBL	DOUBLE	LONG SLOTTED HOLE	T/CONC	TOP OF CONCRETE	
DCW	DEMAND CRITICAL WELD	LT GA	LIGHT GAUGE	TOF	TOP OF FOOTING
DEG; °	DEGREE	LT WT	LIGHT WEIGHT	T/FTG	TOP OF FOOTING
DEMO	DEMOLISH	LVL	LAMINATED VENEER LUMBER	TOS	TOP OF STEEL;
Ø; DIA	DIAMETER				TOP OF SLAB
DIAG	DIAGONAL			TOW	TOP OF WALL
DIAPH	DIAPHRAGM			T/STL	TOP OF STEEL
DICA	DRILLED-IN CONC ANCHOR	MATL	MATERIAL	TRANS	TRANSVERSE
DIM	DIMENSION	MAX	MAXIMUM	TS	TUBE STEEL
DIST	DISTANCE	MC	MISC STEEL CHANNEL	TYP	TYPICAL
DN	DOWN	MECH	MECHANICAL		
DP	DEEP	MFR/	MANUFACTURER	UNO	UNLESS NOTED OTHERWISE
DO	DITTO	MANU	MANUFACTURE	UON	UNLESS OTHERWISE NOTED
DET	DETAIL	MIN	MINIMUM	UT	ULTRA-SONIC TEST
DWG	DRAWING	MISC	MISCELLANEOUS		
DWL	DOWEL	MT	STEEL TEE	VR	VAPOR RETARDER
EA	EACH	MTL	METAL	VERT; V	VERTICAL
EJ	EXPANSION JOINT	N	NORTH	VIF	VERIFY IN FIELD
EL; ELEV	ELEVATION; ELEVATOR	N/A	NOT APPLICABLE	W; WF	WIDE FLANGE (STL); WIDTH
ELEV	ELEVATION (VIEW)	NF	NEAR FACE	W/	WITH
ELEC	ELECTRICAL	NIC	NOT IN CONTRACT	W/O	WITHOUT
EMBED	EMBEDMENT	NTS	NOT TO SCALE	WHS	WELDED HEADED STUD
EN	EDGE NAILING	NO; #	NUMBER	WP	WORK POINT
ENGR	ENGINEER	NOM	NOMINAL	WS	WATERSTOP
EOR	ENGINEER OF RECORD	NS	NEAR SIDE	WT	STEEL TEE, WEIGHT
EQ	EQUAL	OC	ON CENTER	WTS	WELDED THREADED STUD
EQUIP	EQUIPMENT	OD	OUTSIDE DIAMETER	WWF	WELDED WIRE FABRIC
EQUIV	EQUIVALENT	OPNG	OPENING		
ES	EACH SIDE	OPP	OPPOSITE	XS	EXTRA STRONG PIPE
EW	EACH WAY	OPP HD	OPPOSITE HAND	XXS	DBL EXTRA STRONG PIPE
(E)	EXISTING	OSB	ORIENTED STRAND BOARD		
EXP	EXPANSION	OWSJ	OPEN WEB STEEL JOIST		
EXT	EXTERIOR				

ABBREVIATIONS



SYMBOLS LEGEND



DETAIL REFERENCE SYMBOLS

MEMBER	STUD	CONCRETE ANCHOR BOLT	DRILLED-IN CONCRETE ANCHOR	BOLT
SECTION				
PLAN VIEW				

CONNECTORS



#	DATE
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PROJECT ENGINEER JB
PROJECT MANAGER ML
DRAWN BY AB

ABBREVIATIONS & SYMBOLS

STRUCTURAL GENERAL NOTES

TYPICAL DETAILS AND THESE NOTES SHALL APPLY UNLESS NOTED OTHERWISE ON THE DRAWINGS.

USE OF DRAWINGS

USE OF DRAWINGS AND COORDINATION: USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, MECHANICAL AND OTHER DRAWINGS FOR BIDDING AND CONSTRUCTION. COORDINATE WORK AND VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY BETWEEN TRADES. NOTIFY OWNER'S REPRESENTATIVE OF DISCREPANCIES PRIOR TO CONSTRUCTION.

DRAWING SCALE: NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS - DO NOT SCALE DRAWINGS.

DIMENSION VERIFICATION: DIMENSIONS NOTED PLUS OR MINUS (+/-) INDICATE UN-VERIFIED DIMENSIONS THAT REQUIRE CONFIRMATION OR DETERMINATION BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF CONFLICTS OR VARIATIONS FROM INDICATED DIMENSIONS.

NOTE CONFLICTS: IF ANY STRUCTURAL NOTES ARE IN CONFLICT WITH EACH OTHER ARCHITECTURAL AND OTHER DRAWINGS, OR THE SPECIFICATIONS, USE THE MOST STRINGENT REQUIREMENT FOR BIDDING AND CONSTRUCTING THE WORK.

EXISTING CONDITIONS: INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS IN THE FIELD PRIOR TO COMMENCING ANY WORK. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.

ORIGINAL DRAWINGS: "THE ORIGINAL INDOOR". OUTDOOR SWIMMING POOL DRAWINGS FOR BAINBRIDGE ISLAND PARKS AND RECREATION DISTRICT WERE PREPARED BY OLSON-RICHERT-BIGNOLD ARCHITECTS CIRCA 1970. COPIES ARE AVAILABLE FOR CONTRACTOR REFERENCE.

DESIGN AND CONSTRUCTION CRITERIA

EXISTING BUILDING: THE EXISTING BUILDING WILL BE MODIFIED AS PART OF THE PROJECT. SEISMIC RENOVATION OF THE BUILDING IS NOT REQUIRED.

GOVERNING BUILDING CODE: DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION, AS AMENDED BY THE WASHINGTON STATE BUILDING CODE COUNCIL IN CHAPTER 51-50 WAC. THE PUBLICATIONS LISTED BELOW ARE THE GOVERNING CODES AND STANDARDS REFERENCED BY THE BUILDING CODE. IN CASE OF CONFLICTING REQUIREMENTS, THE BUILDING CODE SHALL GOVERN.

PRIMARY REFERENCE STANDARDS: (USE VERSION REFERENCED BY GOVERNING CODE. IF NOT REFERENCED BY GOVERNING CODE, USE LATEST EDITION)

ASCE MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7

IEBC INTERNATIONAL EXISTING BUILDING CODE

ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS

ASCE SEISMIC REHABILITATION OF EXISTING BUILDINGS, ASCE 41

ICC INTERNATIONAL CODE COUNCIL

DESIGN LOADS:

IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS WERE USED FOR DESIGN:

LIVE LOADS:
CORRIDORS, STAIRS,
EXIT FACILITIES 100 PSF
POOL DECK SLAB 100 PSF
MECHANICAL ROOM SLAB 125 PSF

MEANS AND METHODS

MEANS AND METHODS: THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS AND THE METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES REQUIRED FOR SAFELY CONSTRUCTING ALL WORK.

JOBSITE SAFETY: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND FOR MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK IN A MANNER THAT PROVIDES FOR THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST INJURY AND DAMAGE DUE TO FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH CONSTRUCTING THE WORK.

CONSTRUCTION LOADING: THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE STRUCTURE DURING CONSTRUCTION. WHERE CONSTRUCTION SEQUENCING AND STAGING ARE LIKELY TO CREATE OVERLOADING, THE CONTRACTOR SHALL RETAIN A QUALIFIED STRUCTURAL ENGINEER TO DETERMINE HOW TO TEMPORARILY SHORE AND SUPPORT THE OVERLOADED ELEMENTS IN A MANNER THAT DOES NOT EXCEED THE STRESS LIMITS OF THE ELEMENTS AND THE SUPPORTING FOUNDATION AS DEFINED BY THE APPLICABLE BUILDING CODES.

SHORING: THE CONTRACTOR IS RESPONSIBLE FOR SHORING DESIGN AND COORDINATION DURING DEMO AND NEW CONSTRUCTION EFFORTS WHERE DETERMINED BY MEANS AND METHODS, AND WHERE SPECIFICALLY NOTED BY THE ENGINEER. EXISTING EQUIPMENT THAT IS SUPPORTED BY EXISTING STRUCTURAL ELEMENTS TO BE DEMOLISHED, SHALL BE REMOVED AND STORED PER THE OWNER'S DIRECTION AFTER SHORING IS IN PLACE, AND PRIOR TO ANY DEMO OPERATIONS BEING PERFORMED.

SUBMITTALS

SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE BY THE OWNER'S REPRESENTATIVE AND ENGINEER-OF-RECORD PRIOR TO ANY FABRICATION OR CONSTRUCTION. DIMENSION AND QUANTITY VERIFICATION ARE THE CONTRACTOR'S RESPONSIBILITIES AND ARE NOT REVIEWED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY THE ENGINEER OF RECORD. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED, EITHER PRIOR TO OR AFTER THE ENGINEER PROCESSES THE SHOP DRAWING SUBMITTALS, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.

REQUIRED SUBMITTALS:

REQUIRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

- CONCRETE POUR SEQUENCING AND JOINT LAYOUT PLAN
- CONCRETE MIX DESIGNS
- CONCRETE REINFORCEMENT
- EXTERIOR FLATWORK/PAVING TOC ELEVATION PLAN
- STRUCTURAL STEEL
- STEEL EMBEDMENTS IN CONCRETE
- GALVANIC ANODES
- CORROSION INHIBITOR TREATMENT

CONTRACTOR COORDINATION

OPENING COORDINATION: COORDINATE THE LOCATIONS OF ROOF, FLOOR AND WALL OPENINGS WITH THE STRUCTURAL FRAMING TRADES REQUIRING THEM. OPENINGS LARGER THAN 24" X 24" SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER TO DETERMINE POTENTIAL IMPACTS ON THE FRAMING. ANY EQUIPMENT WEIGHING MORE THAN 300 LBS SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER TO DETERMINE POTENTIAL IMPACTS ON THE FRAMING.

FOUNDATION

EXCAVATION: CONTRACTOR SHALL CONFIRM THE ASBUILT LOCATION OF ANY POTENTIAL NEW OR EXISTING UTILITIES, STRUCTURES OR OBJECTS WITHIN THE ZONE OF EXCAVATION INCLUDING WORK PERFORMED AS A PORTION OF THIS PROJECT BEFORE EXCAVATING OR INSTALLING FOUNDATION ELEMENTS.

GRAVEL BASE: PROVIDE A WELL-GRADED, FREE-DRAINING, SELECT GRANULAR FILL WITH CRUSHED ROCK HAVING A MAXIMUM PARTICLE SIZE OF 1 INCH WITH LESS THAN 5 PERCENT BY WEIGHT PASSING THE #200 SIEVE. PLACE SELECT GRANULAR FILL IN MAXIMUM LIFT HEIGHTS OF 6 INCHES.

SAND BASE: PROVIDE A FREE-DRAINING SAND WITH NO MORE THAN 5 PERCENT BY WEIGHT PASSING THE #200 SIEVE.

CONCRETE

REFERENCE STANDARDS: (USE VERSION REFERENCED BY GOVERNING CODE. IF NOT REFERENCED BY GOVERNING CODE, USE LATEST EDITION)

ACI AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318

ACI AMERICAN CONCRETE INSTITUTE, CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES, ACI 350

AWS AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE – REINFORCING STEEL, AWS D1.4

CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED, AND PLACED IN ACCORDANCE WITH IBC SECTION 1905 AND ACI 301.

MIX DESIGNS: MIX DESIGNS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE AND STRUCTURAL ENGINEER FOR ACCEPTANCE TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE MAXIMUM WATER-CEMENT RATIO AND SLUMP SHALL BE AS SHOWN IN TABLE 1 FOR VARIOUS CONCRETE STRENGTHS (f_c) BASED ON STANDARD 28-DAY CYLINDER TESTS.

AREA	TABLE 1: CONCRETE MIX DESIGN							
	MIN F _c (PSI) 28 DAYS	MAX W/C	ENTRAINED AIR	FLY ASH	SILICA FUME	MAXIMUM AGGREGATE	EXPOSURE CLASS	REQUIRED ADMIXTURES
EXT SLABS ON GRADE (FLATWORK/CURB)	5,000	0.40	6%	25%	-	1"	F3	CORROSION INHIBITOR
POOL DECK SLAB ON GRADE & POOL SLAB INFILL	5,000	0.38	-	25%	4%	3/4"	S1	CORROSION INHIBITOR

*PROVIDE CORROSIVE INHIBITING INTEGRAL ADMIXTURE PER MANUFACTURER'S REQUIREMENTS.

ADMIXTURES: WATER-REDUCING ADMIXTURES CONFORMING TO ASTM C494 MAY BE INCORPORATED IN THE CONCRETE MIX DESIGNS AND BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CALCIUM CHLORIDE OR OTHER WATER-SOLUBLE CHLORIDE ADMIXTURES SHALL NOT BE USED.

AIR CONTENT: AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260 SHALL BE USED IN ALL CONCRETE MIXES FOR WORK THAT IS EXPOSED TO WEATHER. THE AMOUNT OF ENTRAINED AIR SHALL BE MEASURED IN THE FIELD AT THE DISCHARGE END OF THE PLACING HOSE. ENTRAINED AIR SHALL BE AS NOTED +/- 1.5% BY VOLUME.

SLEEVES: SLEEVES FOR PIPING OR DUCTS, EXCEPT AS DETAILED ON THE STRUCTURAL DRAWINGS, SHALL NOT BE PLACED IN JOISTS, BEAMS OR GIRDERS UNLESS APPROVED BY THE ENGINEER.

CONDUIT: WHEN RUN IN SLABS, ELECTRICAL CONDUIT SHALL BE RUN AT MID-DEPTH OF THE SLAB WITH ACTUAL CONCRETE THICKNESS LESS THAN 3 INCHES, NOT INCLUDING METAL DECK DEPTH. THERE SHALL BE A MINIMUM OF 3 INCHES OF CLEAR SPACE BETWEEN CONDUITS. ALUMINUM CONDUIT IS PROHIBITED. ADDITIONAL REINFORCEMENT, #3 @ 12" OC SHALL BE PLACED PERPENDICULAR TO THE CONDUIT ABOVE AND BELOW THE CONDUIT. THE ADDED REINFORCING SHALL EXTEND 1'-0" PAST THE CONDUITS ON BOTH SIDES.

REINFORCING STEEL MATERIALS:

DEFORMED BARS ASTM A615, GRADE 60, UNO
SMOOTH WELDED WIRE FABRIC (WWF) ASTM A185 (Fy = 65,000 PSI)
SPECIAL DUCTILE QUALITY WELDABLE DEFORMED BARS ASTM A706, GRADE 60 LOW ALLOY

DUCTILE REBAR: SPECIAL DUCTILE QUALITY (SDQ) REBAR SHALL BE USED IN DUCTILE FRAME MEMBERS AND SHEAR WALL BOUNDARY MEMBERS. GRADES 40 AND 60 REINFORCEMENT COMPLYING WITH ACI 318 SECTION 21.1.5.2 SHALL BE PERMITTED.

REINFORCING STEEL DETAILING: REINFORCING STEEL SHALL BE SUPPORTED AS SPECIFIED BY THE PROJECT SPECIFICATIONS AND THE CRSI MANUAL OF STANDARD PRACTICE. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 – DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.

REBAR SPLICES: LAP REINFORCING BARS AS NOTED ON THE DRAWINGS. WHERE SPLICE LENGTH IS NOT SHOWN, USE TYPE 'Ls' SPLICE PER DEVELOPMENT AND SPLICE LENGTH SCHEDULE. MECHANICAL OR WELDED BUTT SPLICES SHALL BE SUBJECT TO STRUCTURAL ENGINEER'S APPROVAL. MECHANICAL SPLICES, WHERE ALLOWED ON THE PLANS, SHALL DEVELOP 125% OF THE SPECIFIED YIELD STRENGTH OF THE SPLICED BARS IN BOTH TENSION AND COMPRESSION.

FIELD BENDING: NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY DETAILED AS SUCH OR APPROVED BY THE STRUCTURAL ENGINEER.

WELDING: REINFORCING BARS SHALL NOT BE WELDED OR TACK WELDED TO OTHER BARS OR TO PLATES, ANGLES, ETC. UNLESS SPECIFICALLY APPROVED BY THE ENGINEER. WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.4. WELDING SHALL BE DONE BY AWS/WABO CERTIFIED WELDERS QUALIFIED FOR WELDS USING APPROVED ELECTRODES.

CONCRETE PROTECTION: COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:

	WALL THICKNESS	HORIZONTAL BARS	VERTICAL BARS	LOCATION
FOOTINGS AND OTHER UNFORMED SURFACES, EARTH FACE				3"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER				
#6 BARS OR LARGER				2"
#5 BARS OR SMALLER				1-1/2"
COLUMN TIES OR SPIRALS AND BEAM STIRRUPS				1-1/2"
SLABS AND WALLS (INTERIOR FACE)				3/4"

WALL REINFORCING: CONCRETE WALLS SHALL HAVE THE FOLLOWING REINFORCING UNLESS OTHERWISE NOTES:

WALL THICKNESS	HORIZONTAL BARS	VERTICAL BARS	LOCATION
6" WALLS	#4 @ 12" OC	#4 @ 12" OC	ON CENTERLINE
8" WALLS	#5 @ 12" OC	#5 @ 12" OC	ON CENTERLINE
10" WALLS	#5 @ 12" OC	#5 @ 12" OC	EACH FACE
12" WALLS	#5 @ 12" OC	#5 @ 12" OC	EACH FACE

NON-SHRINK GROUT: NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE MINIMUM 28-DAY GROUT COMPRESSIVE STRENGTH SHALL BE 6000 PSI, UNLESS NOTED OTHERWISE.

EPOXY LEVELING GROUT: COMPLY WITH ASTM C881 WITH 12,000 PSI MINIMUM COMPRESSIVE STRENGTH.

EXPANSION ANCHORS: EXPANSION ANCHORS INSTALLED INTO CONCRETE SHALL BE HILTI KWIK BOLT TZ TYPE 316 STAINLESS STEEL, OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR-1917.

STAINLESS STEEL EXPANSION ANCHORS, WHERE CALLED OUT, INSTALLED INTO CONCRETE SHALL BE HILTI KWIK BOLT TZ, TYPE 316 STAINLESS STEEL, OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR-1917.

CONCRETE (CONT)

ADHESIVE ANCHORS AND EPOXIED REINFORCING BARS: PLACEMENT AND CURING SHALL BE CONDUCTED WITH CONCRETE AND AIR TEMPERATURES ABOVE 50 DEGREES. APPLY EPOXY ONLY TO CLEAN, DRY CONCRETE. PROVIDE POSITIVE PROTECTION SO DOWELS ARE NOT DISTURBED DURING THE CURING PERIOD.

ADHESIVE ANCHORS AND REINFORCING BARS SHALL BE EPOXIED INTO CONCRETE WITH HILTI HY-200 ADHESIVE, OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR-3187. ADHESIVE ANCHOR RODS SHALL BE HILTI HIT-Z THREADED RODS, OR APPROVED EQUIVALENT, UNLESS NOTED OTHERWISE.

STAINLESS STEEL ADHESIVE ANCHORS AND REINFORCING BARS, WHERE CALLED OUT, SHALL BE EPOXIED INTO CONCRETE WITH HILTI HY-200 ADHESIVE, OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR-3187. ADHESIVE ANCHOR RODS SHALL BE ASTM F593 TYPE 316 STAINLESS STEEL THREADED RODS, OR APPROVED EQUIVALENT.

SCREW ANCHORS: CONCRETE HEAVY DUTY SCREW ANCHORS SHALL BE SIMPSON TITEN HD, OR APPROVED EQUIVALENT. THE ANCHOR SHALL BE MECHANICALLY GALVANIZED PER ASTM B695, CLASS 55. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR 2713.

POST-INSTALLED DRILLING: HOLES FOR INSTALLING REINFORCING BARS, BOLTS, THREADED RODS AND INSERTS INTO CONCRETE SHALL BE DRILLED BY THE ICC APPROVED DRILLING METHOD FOR THE ANCHOR. CHIP AWAY A SUFFICIENT QUANTITY OF CONCRETE COVER TO LOCATE EXISTING REINFORCING PRIOR TO DRILLING. DO NOT CUT EXISTING REINFORCING.

SLAB SURFACING: PROVIDE CURING, FINISHING & SEALING OF SLABS PER ACI 302.1 GUIDELINES. PROVIDE CLASS 1 FLOOR FINISH WITH A FLATNESS/LEVELNESS OF 35/25, UNLESS SHOWN ON ARCHITECTURAL DRAWINGS OR OTHERWISE NOTED. PROVIDE CURING USING A LIQUID MEMBRANE-FORMING CURING COMPOUND. PROVIDE A POLYETHYLENE (PLASTIC) FILM WHERE WEATHER/TEMPERATURE CONDITIONS REQUIRE ADDITIONAL PROTECTION FOR CURING.

FINISH	LOCATION
FLOAT	FOOTINGS, UON
TROWEL	TOP OF WALLS & MECHANICAL SLABS
TROWEL & NONSLIP BROOM	FINISHED FLOOR SURFACES, UON
FLOAT & NONSLIP BROOM	EXTERIOR FLATWORK / PAVING & ALL SLABS NOT RECEIVING TROWEL & NONSLIP BROOM FINISH

SLAB CONTROL JOINTS: PROVIDE CONTROL JOINTS THAT DIVIDE THE SLAB-ON-GRADE INTO RECTANGULAR AREAS OF 225 SF OR LESS WITH LENGTH TO WIDTH RATIOS OF 1.5 OR LESS. SUBMIT JOINT LOCATIONS TO OWNER'S REPRESENTATIVE FOR APPROVAL.

WALL CONTROL JOINTS: PROVIDE VERTICAL CONTROL JOINTS THAT ARE NOT GREATER THAN 20 FEET ON CENTER. LOCATE JOINTS AT REVEALS WHERE INDICATED ON THE ARCHITECTURAL DRAWINGS. SUBMIT JOINT LOCATIONS TO OWNER'S REPRESENTATIVE FOR APPROVAL.

SPECIAL INSPECTION

SPECIAL INSPECTION REQUIREMENTS: SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH IBC SECTION 1704, THE DRAWINGS AND THE PROJECT SPECIFICATIONS. THESE INSPECTIONS SHALL BE PERFORMED BY A TESTING AGENCY, DESIGNATED BY THE OWNER'S REPRESENTATIVE, QUALIFIED TO PERFORM THE TYPES OF INSPECTIONS SPECIFIED. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION REPORTS AND TEST RESULTS, AS WELL AS A FINAL SIGNED REPORT FOR THE INSPECTED ITEMS.

INSPECTION COORDINATION: COORDINATE THE INSPECTIONS BY PROVIDING ADEQUATE NOTICE TO THE INSPECTION AGENCY AND OWNER'S CONSTRUCTION REPRESENTATIVE OF DATES WHEN WORK IS READY FOR INSPECTION, AND BY PROVIDING ALLOWANCE IN THE SCHEDULE FOR THE SPECIFIED INSPECTIONS TO OCCUR.

STEEL

REFERENCE STANDARDS: (USE VERSION REFERENCED BY GOVERNING CODE. IF NOT REFERENCED BY GOVERNING CODE, USE LATEST EDITION)

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AISC 360

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, AISC 341

AWS AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE – SEISMIC SUPPLEMENT, AWS D1.8

RCSC RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS, SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS

STRUCTURAL STEEL MATERIALS:

WIDE FLANGE SHAPES	ASTM A992, Fy = 50 KSI
HOLLOW STRUCTURAL SECTIONS (HSS)	
TUBES	ASTM A500, GRADE B, Fy = 46 KSI
STEEL PIPE	ASTM A53, GRADE B, Fy = 35 KSI
OTHER STEEL SHAPES	ASTM A36, Fy = 36 KSI
STRUCTURAL BOLTS	ASTM F3125 GRADE A325 OR A490, TYPE 1 OR 3
ANCHOR BOLTS	ASTM F1554, GRADE 36
WOOD CONNECTION BOLTS	ASTM A307
THREADED RODS	ASTM A36
WELDING ELECTRODES	E70XX

MISC STEEL: STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTION AIDS AND JOINT PREPARATIONS THAT INCLUDE, BUT ARE NOT LIMITED TO, ERECTION ANGLES, LIFT HOLES AND OTHER AIDS, WELDING PROCEDURES, REQUIRED ROOF OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPES, SURFACE ROUGHNESS VALUES, AND TAPERS OF UNEQUAL PARTS.

GALVANIZING: STRUCTURAL STEEL AND CONNECTIONS EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN COMPLIANCE WITH ASTM A123. GALVANIZE BOLTS AND SIMILAR THREADED FASTENERS EXPOSED TO WEATHER IN ACCORDANCE WITH ASTM A153, CLASS C AND D, AS APPLICABLE. ALL FIELD WELDS EXPOSED TO WEATHER SHALL BE COATED WITH BRUSH APPLIED ZINC-RICH PAINT COMPLYING WITH ASTM A780 (GALVACON OR EQUIVALENT).

PAINTING: STRUCTURAL STEEL SHALL BE PRIMED AND PAINTED, IF NOTED ON THE ARCHITECTURAL DRAWINGS OR SPECIFICATIONS. PRIMER SHALL BE THE FABRICATOR'S STANDARD LEAD AND CHROMATE FREE, NON-ASPHALTIC, RUST-INHIBITING PRIMER. STEEL ANCHORS AND TIES AND OTHER MEMBERS EMBEDDED IN CONCRETE OR MASONRY SHALL BE LEFT UNPAINTED.

HIGH-STRENGTH BOLTS: HIGH-STRENGTH BOLTS SHALL BE INSTALLED, TIGHTENED AND INSPECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS. THE CRITERIA FOR SLIP-CRITICAL CLASS A FAYING SURFACE CONNECTIONS SHALL APPLY TO CONNECTIONS UNLESS SPECIFICALLY NOTED AS SNUG TIGHT. SLIP-CRITICAL CONNECTIONS SHALL USE LOAD INDICATOR WASHERS OR TENSION CONTROL BOLTS. BOLT HOLES SHALL BE STANDARD SIZE UNLESS NOTED OTHERWISE.

MINIMUM CONNECTIONS: MINIMUM CONNECTIONS SHALL BE A TWO-BOLT CONNECTION USING 7/8-INCH DIAMETER GRADE A325 BOLTS IN SINGLE SHEAR.

ANCHOR RODS: ANCHOR RODS SHALL BE HEADED BOLTS EMBEDDED INTO CONCRETE AS SHOWN IN THE DETAILS.

A307 BOLTS: PROVIDE WITH LOCK WASHERS UNDER NUTS OR SELF-LOCKING NUTS. BOLT HOLES SHALL BE STANDARD SIZE UNLESS NOTED OTHERWISE.

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BID SET PHASE 2 01/30/2026

#	DATE

PROJECT ENGINEER
JB
PROJECT MANAGER
ML
DRAWN BY
AB

GENERAL
STRUCTURAL
NOTES

S-0.1

2022.133

SOILS/GEOTECHNICAL - SPECIAL INSPECTIONS					
SYSTEM OR MATERIAL	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		REMARKS
			CONTINUOUS	PERIODIC	
SOILS					
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	1705.6	IBC SECTION 1804.6 & ASTM D1557		X	BY THE GEOTECHNICAL ENGINEER OR QUALIFIED SPECIAL INSPECTOR
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL				X	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS				X	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL			X		
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY				X	

SOILS/GEOTECHNICAL - TESTING					
SYSTEM OR MATERIAL	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		REMARKS
			CONTINUOUS	PERIODIC	
FILL IN-PLACE DENSITY OR PREPARED SUBGRADE DENSITY	1705.6	VARIABLES: GEOTECHNICAL REPORT OR MINIMUM PER IBC APPENDIX J107.5, WHICHEVER IS GREATER		X	BY THE GEOTECHNICAL ENGINEER OR QUALIFIED SPECIAL INSPECTOR
MATERIAL VERIFICATION		VARIABLES: CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS		X	
TEST ELEMENTS	1705.6 1705.7		REFERENCE SPECIFICATIONS FOR PERFORMANCE VARIATION AND PROOF LOAD TESTING REQUIREMENTS		BY THE GEOTECHNICAL ENGINEER

CONCRETE - SPECIAL INSPECTIONS					
SYSTEM OR MATERIAL	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		REMARKS
			CONTINUOUS	PERIODIC	
GENERAL	1705.3 1901.6	ACI 318: 26.13			SPECIAL INSPECTIONS OF CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1705.3 OF THE IBC AND SECTION 26.13 OF ACI 318.
REINFORCING STEEL AND (POST TENSIONED/PRETENSIONED) TENDON PLACEMENT	1901.5.2 1908.4	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3, 26.13.3.3		X	REINFORCING TO COMPLY WITH ALL CODE PROTECTION, SPACING AND TOLERANCE LIMITS.
WELDING REINFORCING STEEL					
1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	1705.3.1 1705.3.2 1903.1 1903.2	AWS D1.4 ACI 318: 26.6.4		X	
2. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" FILLET				X	
3. ALL OTHER REINFORCING STEEL WELDING			X		
INSPECT ANCHORS/BOLTS CAST IN CONCRETE	-	ACI 318: 17.8.2	X	X	ALL CAST-IN-PLACE ANCHORS/BOLTS SHALL BE VISUALLY INSPECTED. REFERENCE STEEL INSPECTIONS FOR ADDITIONAL INSTALLATION, MATERIAL AND WELDING INSPECTIONS OF STEEL ITEMS EMBEDDED IN CONCRETE (HEADED STUDS, DBA's, ETC.)
VERIFYING USE OF REQUIRED MIX DESIGN(S)	1904.1 1904.2 1908.2 1908.3	ACI 318: CH. 19, 26.4.3, 26.4.4		X	
CONCRETE SPECIMENS FOR TESTING	1908.10	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	X		PRIOR TO CONCRETE PLACEMENT, FABRICATE CONCRETE SPECIMENS FOR TESTING. SEE THE CONCRETE TESTING TABLE FOR ADDITIONAL INFORMATION.
CONCRETE/SHOTCRETE PLACEMENT, NON-SHRINK GROUT	1908.6, 1908.7, 1908.8	ACI 318: 26.5, 26.13.3.2(a)	X		
CONCRETE/SHOTCRETE CURING	1908.9	ACI 318: 26.5.3-26.5.5, 26.13.3.3		X	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES
VERIFICATION OF IN-SITU CONCRETE PRIOR TO REMOVAL OF FORMS AND SHORES FROM ELEVATED BEAMS AND SLABS		ACI 318: 26.11.2		X	
VERIFICATION OF FORMWORK		ACI 318: 26.11.1.2(b), 26.13.3.3		X	SPECIAL INSPECTIONS APPLY TO SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED
EMBEDDED ITEMS IN CONCRETE				X	ALL NON-STRUCTURAL EMBEDDED ITEMS, SUCH AS CONDUITS, PIPES AND SLEEVES, SHALL BE REVIEWED FOR CONFORMANCE WITH STRUCTURAL DOCUMENTS FOR SIZE, SPACING, LOCATION, EDGE DISTANCE AND TRIM REINFORCING.
REINFORCING STEEL MECHANICAL COUPLERS, TERMINATORS AND FORMSAVERS		ICC EVALUATION REPORTS		X	

CONCRETE - TESTING					
SYSTEM OR MATERIAL	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		REMARKS
			CONTINUOUS	PERIODIC	
CONCRETE STRENGTH	1705.3	ASTM C39			EACH 150 CY NOR LESS THAN EACH 5000 SF OF SLAB OR WALL PLACED EACH SHIFT FABRICATE SPECIMENS AT TIME FRESH CONCRETE IS PLACED
CONCRETE SLUMP	ASTM C172 ASTM C 31	ASTM C143			
CONCRETE AIR CONTENT	ACI 318 26.12, ACI 318 26.5	ASTM C231			
CONCRETE TEMPERATURE		ASTM C1064			

STRUCTURAL OBSERVATION					
SYSTEM OR MATERIAL	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		REMARKS
			CONTINUOUS	PERIODIC	
AS REQUIRED BY THE DESIGN PROFESSIONAL	1704.6.1				
AS REQUIRED BY BUILDING OFFICIAL	1704.6.1				

STATEMENT OF SPECIAL INSPECTION NOTES:

- SPECIAL INSPECTIONS SHALL CONFORM TO SECTION 1705 OF THE 2019 IBC, CONTRACT DOCUMENTS AND APPROVED SUBMITTALS. REFER TO SPECIAL INSPECTION AND TESTING TABLES FOR PROJECT REQUIREMENTS.
- SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED ACCREDITED INDEPENDENT AGENCY MEETING THE REQUIREMENTS OF ASTM E329 (MATERIALS). THE INSPECTION AND TESTING AGENCY SHALL FURNISH TO THE STRUCTURAL ENGINEER ARCHITECT A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE APPROVED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1(1) OF AWS D1.1.
- THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS.
- THE SPECIAL INSPECTOR AND GEOTECHNICAL ENGINEER SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER, ARCHITECT, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.
- INSPECTION TYPES:**
CONTINUOUS : THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
PERIODIC : THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
OBSERVE : OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OBSERVATIONS.
PERFORM : INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.
- SPECIAL INSPECTION OF MECHANICAL POST INSTALLED ANCHORS SHALL BE IN STRICT CONFORMANCE WITH THE ICC REPORT AND MANUFACTURER'S INSTALLATION REQUIREMENTS. ANCHOR INSTALLERS SHALL BE QUALIFIED AS REQUIRED BY JURISDICTION REQUIREMENTS.
 - INSPECTION REPORTS SHALL IDENTIFY NAMES OF INSTALLERS.
 - SPECIAL INSPECTOR SHALL PROVIDE DOCUMENTATION AT THE END OF ANCHOR INSTALLATIONS STATING THAT THE ANCHORS WERE INSPECTED PER APPROVED ANCHOR EVALUATION REPORT.
- TESTING ABBREVIATIONS:**
NDT - NON-DESTRUCTIVE TESTING
C.J.P. - COMPLETE JOINT PENETRATION
MT - MAGNETIC PARTICLE TESTING
RBS - REDUCED BEAM SECTION
- DOCUMENT (D): INDICATES CONTRACTOR AND SPECIAL INSPECTOR TO PROVIDE DOCUMENTATION IN ACCORDANCE WITH AISC 341.



RAY WILLIAMSON POOL RENOVATION

**8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110**

BID SET PHASE 2 01/30/2026

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JB
PROJECT MANAGER
ML
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SPECIAL INSPECTION TABLES

S-0.2
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RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
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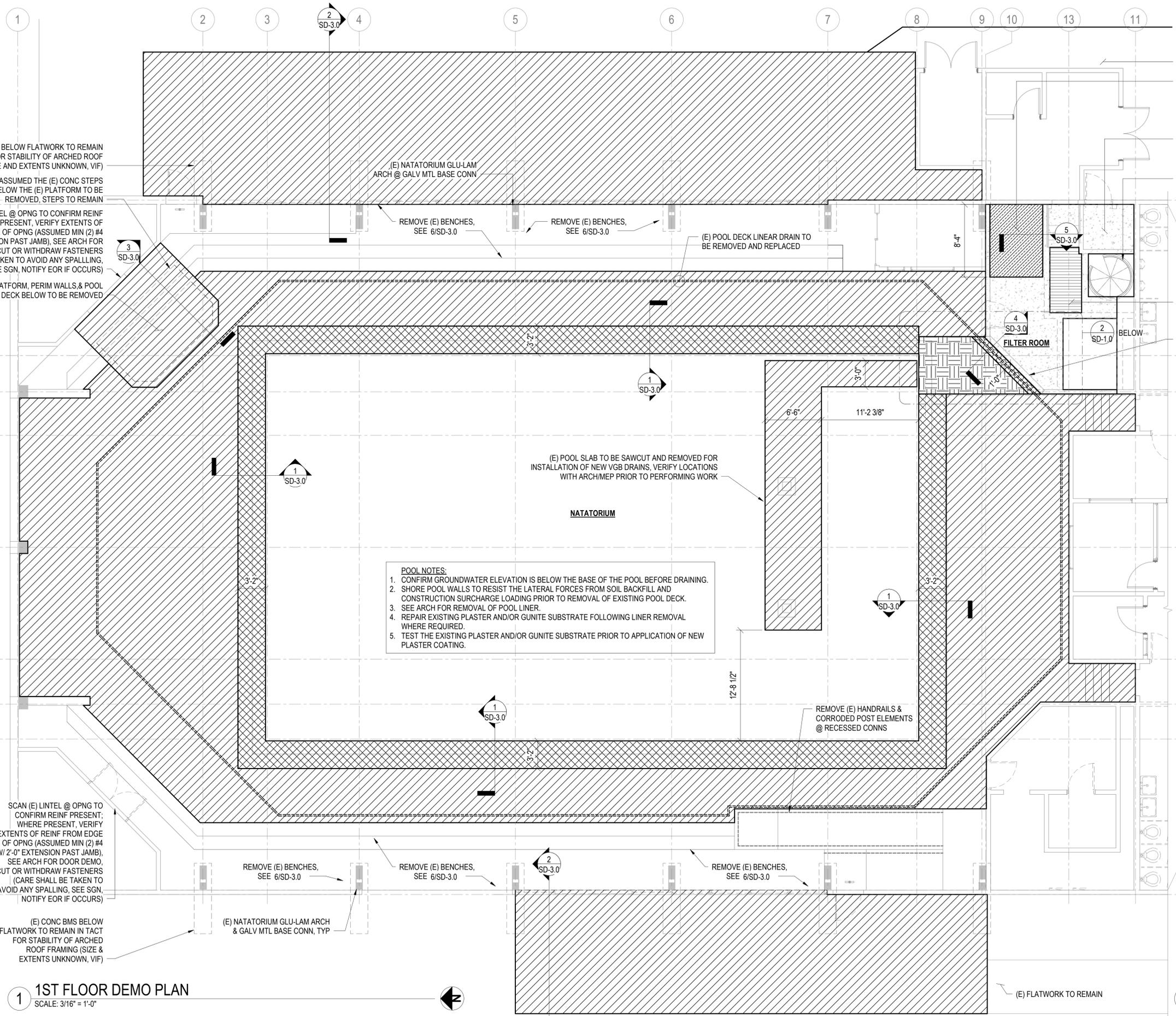
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1ST FLOOR DEMO PLAN

SD-1.0
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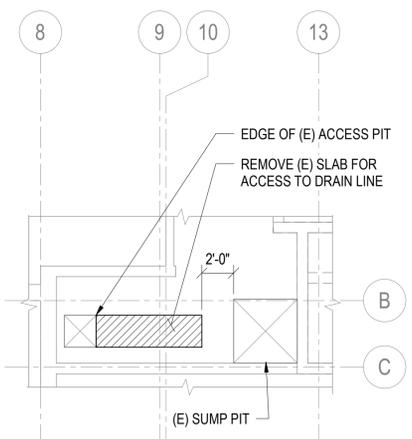
(E) FLATWORK TO REMAIN
DEMO OF (E) SLAB TO BE BOUNDED BY INSIDE EDGE OF CONC WALL BELOW @ NORTH & EAST, SOUTH CONC BM EDGE, & FOR THE WIDTH NOTED. COORD REMOVAL OF EQUIP BRG ON SLAB & BELOW FOR ACCESS, PER MECH

(E) ELEVATED SLAB OVER BASEMENT - CONC SPALL/DELAMINATION REPAIR & CORROSION PROTECTION - DO NOT DEMO
(E) MTL SPIRAL STAIR

DEMOLITION KEY

- REMOVE (E) POOL DECK SLAB ON GRADE, (E) ELEVATED PLATFORM AND WALLS, (E) EXTERIOR FLATWORK AND CURB ALONG EAST AND WEST WALL WHERE NOTED, AND (E) POOL AND BASEMENT SLAB WHERE NOTED FOR INSTALLATION OF NEW VGB DRAINS.
- (E) LINEAR DRAIN TO BE REMOVED.
- ELEVATED CONCRETE TO REMAIN. DO NOT DEMO, EXCEPT WHERE NOTED AT (E) LINEAR DRAIN AND SPALL/DELM CONDITIONS.
- REMOVE (E) LINEAR DRAIN AND PORTION OF (E) ELEVATED SLAB WITH CARE AS NOTED PER 4/SD-3.0. SEE MEANS AND METHODS IN GEN NOTES FOR SHORING REQUIREMENTS.
- REMOVE (E) POOL DECK SLAB OVER (E) GUTTER WALL WITH CARE. DO NOT DAMAGE (E) DOWEL REINFORCING STEEL OR CONCRETE BELOW. SEE 2/S-3.1 FOR DEMO REQUIREMENTS ABOVE POOL WALL.
- DEMO (E) SLAB SOFFIT SPALL/DELM TO THE EXTENTS NOTED. SEE 5/SD-3.0. SEE MEANS AND METHODS IN GEN NOTES FOR SHORING REQUIREMENTS AND EQUIPMENT REMOVAL.
- DEMO (E) ELEVATED SLAB TO THE FACE OF (E) THICKENED SLAB EDGE. SEE 4/SD-3.0.

SEE S-1.3 FOR PAVING DEMO AT SOUTH ENTRY, PART OF ALT 1



(E) CONC BMS BELOW FLATWORK TO REMAIN IN TACT FOR STABILITY OF ARCHED ROOF FRAMING (SIZE AND EXTENTS UNKNOWN, VIF)
IT IS ASSUMED THE (E) CONC STEPS EXTEND BELOW THE (E) PLATFORM TO BE REMOVED. STEPS TO REMAIN
SCAN (E) LINTEL @ OPNG TO CONFIRM REINF PRESENT; WHERE PRESENT, VERIFY EXTENTS OF REINF FROM EDGE OF OPNG (ASSUMED MIN (2) #4 W/ 2'-0" EXTENSION PAST JAMB). SEE ARCH FOR DOOR DEMO. CUT OR WITHDRAW FASTENERS (CARE SHALL BE TAKEN TO AVOID ANY SPALLING, SEE SGN, NOTIFY EOR IF OCCURS)

(E) PLATFORM, PERIM WALLS & POOL DECK BELOW TO BE REMOVED

SCAN (E) LINTEL @ OPNG TO CONFIRM REINF PRESENT; WHERE PRESENT, VERIFY EXTENTS OF REINF FROM EDGE OF OPNG (ASSUMED MIN (2) #4 W/ 2'-0" EXTENSION PAST JAMB). SEE ARCH FOR DOOR DEMO. CUT OR WITHDRAW FASTENERS (CARE SHALL BE TAKEN TO AVOID ANY SPALLING, SEE SGN, NOTIFY EOR IF OCCURS)

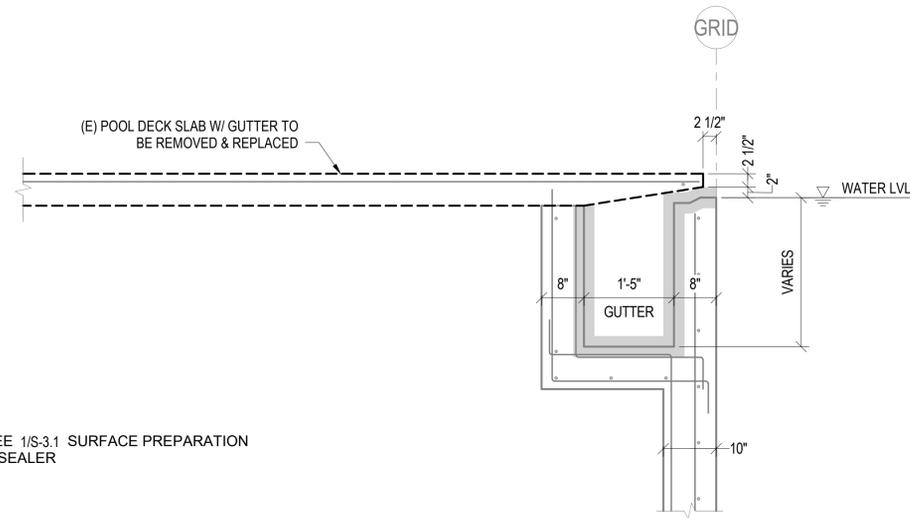
(E) CONC BMS BELOW FLATWORK TO REMAIN IN TACT FOR STABILITY OF ARCHED ROOF FRAMING (SIZE & EXTENTS UNKNOWN, VIF)

POOL NOTES:
1. CONFIRM GROUNDWATER ELEVATION IS BELOW THE BASE OF THE POOL BEFORE DRAINING.
2. SHORE POOL WALLS TO RESIST THE LATERAL FORCES FROM SOIL BACKFILL AND CONSTRUCTION SURCHARGE LOADING PRIOR TO REMOVAL OF EXISTING POOL DECK.
3. SEE ARCH FOR REMOVAL OF POOL LINER.
4. REPAIR EXISTING PLASTER AND/OR GUNITE SUBSTRATE FOLLOWING LINER REMOVAL WHERE REQUIRED.
5. TEST THE EXISTING PLASTER AND/OR GUNITE SUBSTRATE PRIOR TO APPLICATION OF NEW PLASTER COATING.

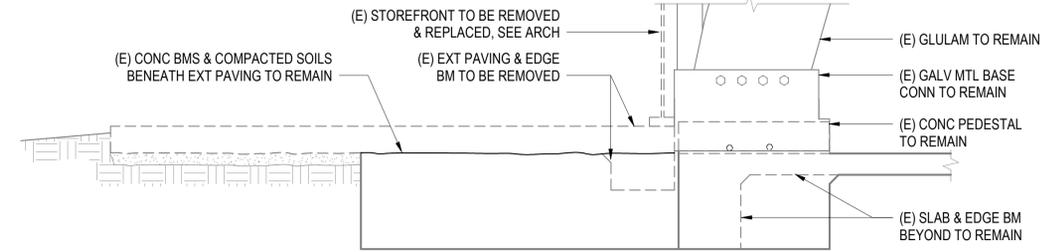
1 1ST FLOOR DEMO PLAN
SCALE: 3/16" = 1'-0"

2 BASEMENT DEMO PLAN
SCALE: 3/16" = 1'-0"

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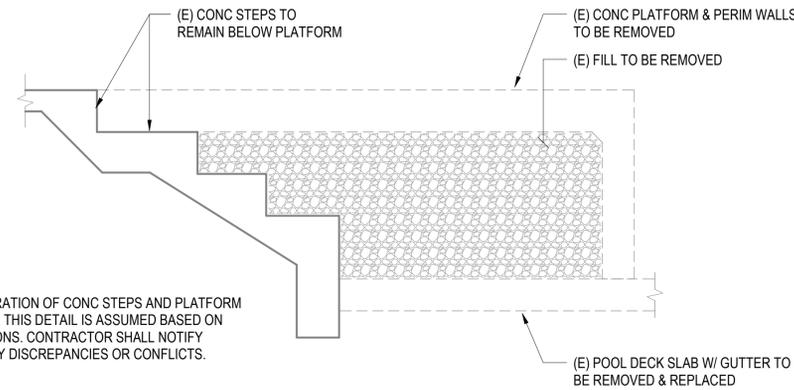


1 (E) POOL DECK SLAB REMOVAL DETAIL
SCALE: 3/4" = 1'-0"



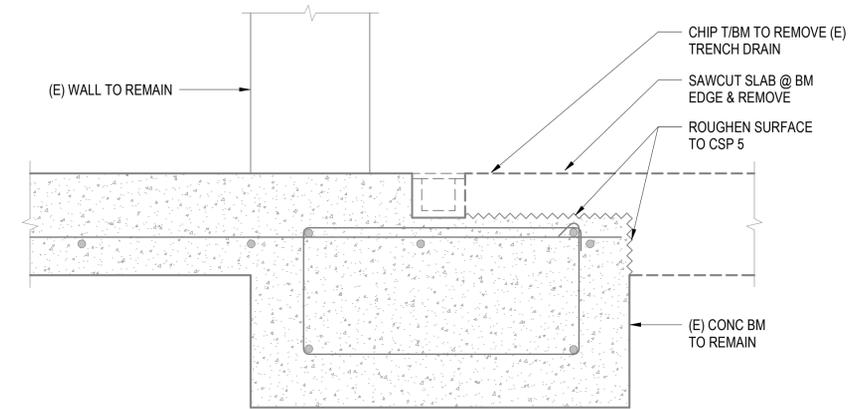
NOTE:
1. CONC BEAMS BENEATH THE PAVING ARE LOCATED AT GLULAM BEARING LOCATIONS. EXACT CONFIGURATION OF EDGE BEAMS AND CONC BEAMS BENEATH PAVING ARE NOT KNOWN, THIS DETAIL IS ASSUMED BASED ON SITE OBSERVATIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS.

2 (E) PLATFORM, PERIMETER WALLS, AND POOL DECK SLAB REMOVAL DETAIL
SCALE: NTS



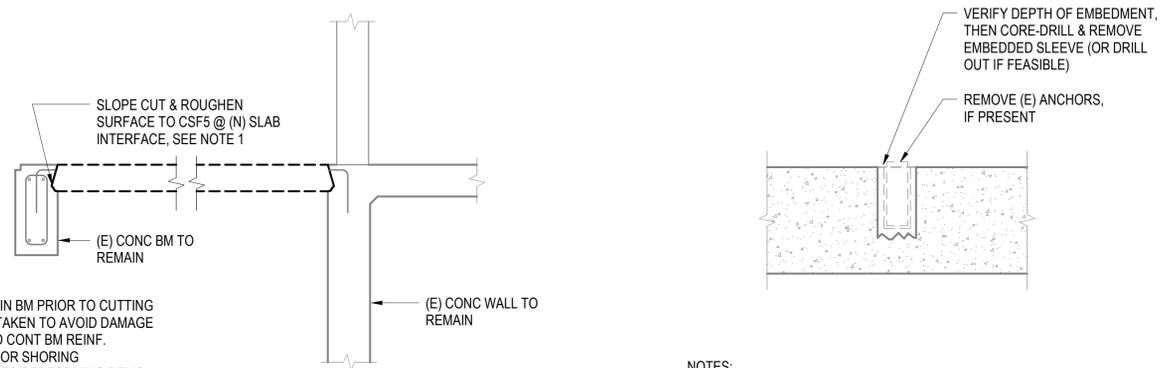
NOTE:
1. EXACT CONFIGURATION OF CONC STEPS AND PLATFORM ARE NOT KNOWN, THIS DETAIL IS ASSUMED BASED ON SITE OBSERVATIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS.

3 (E) PLATFORM, PERIMETER WALLS, AND POOL DECK SLAB REMOVAL DETAIL
SCALE: NTS



NOTES:
1. SEE GENERAL NOTES FOR SHORING REQUIREMENTS PRIOR TO PERFORMING DEMO.
2. SEE TYPICAL DETAIL ON SHEET S-3.2 FOR CHIPPING OPERATIONS AND CLEANING OF REINF.

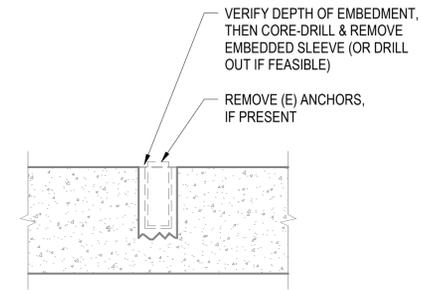
4 (E) DRAIN REMOVAL AND SLAB PREP AT ELEVATED SLAB
SCALE: NTS



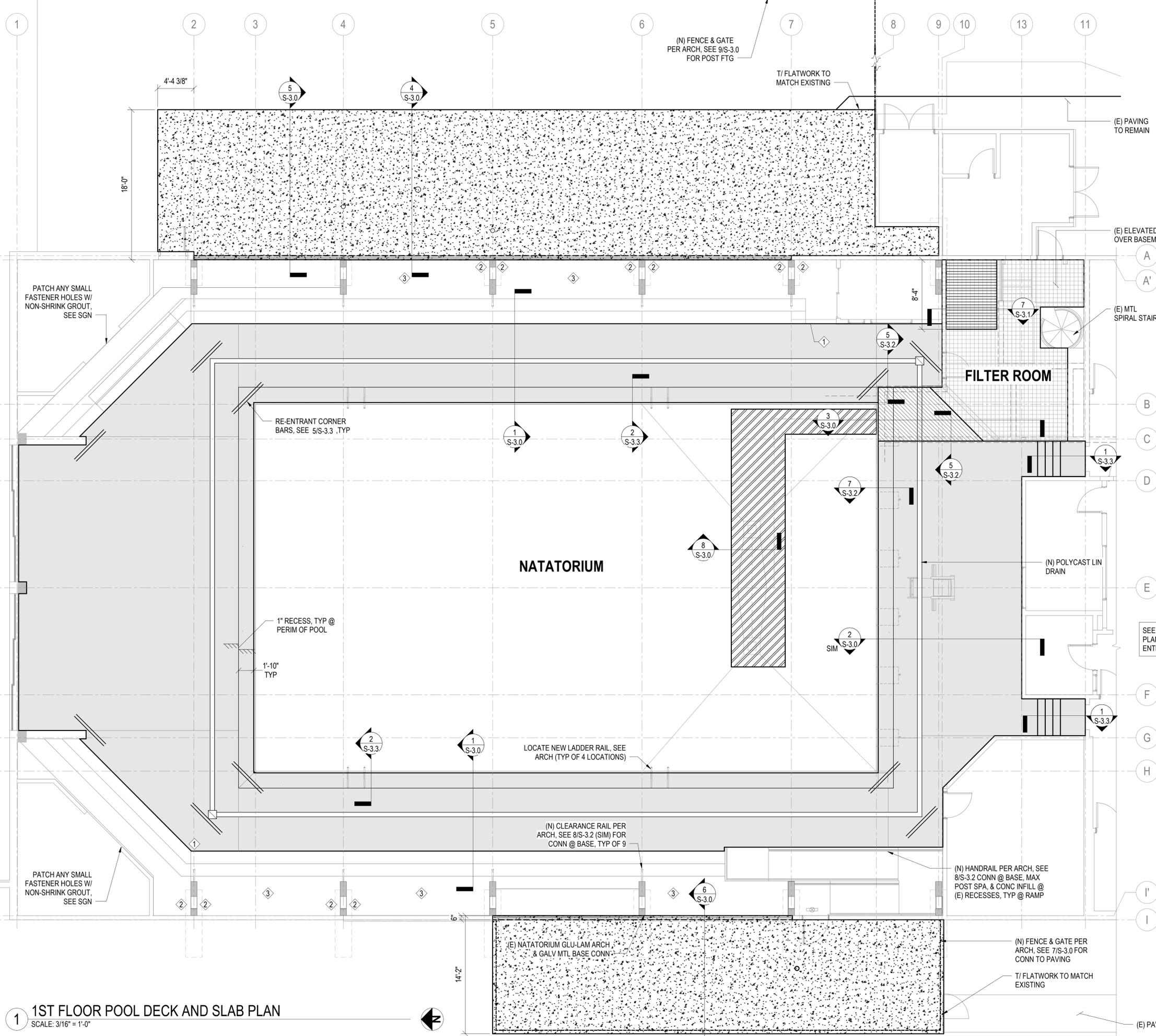
NOTES:
1. LOCATE (E) TIE DEPTH IN BM PRIOR TO CUTTING SLAB. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE (E) BM TIES AND CONT BM REINF.
2. SEE GENERAL NOTES FOR SHORING REQUIREMENTS PRIOR TO PERFORMING DEMO.
3. COORD REMOVAL OF EQUIP BRG ON SLAB & BELOW FOR ACCESS, PER MECH.

NOTES:
1. USE CORE DRILL BIT (OR DRILL BIT) A MIN OF 1/2" LARGER THAN SLEEVE, MIN. 1" DIAMETER TOTAL.
2. SEE DETAIL 8/S-3.1 FOR INFILL AT SLEEVE REMOVAL LOCATIONS.

5 (E) SLAB REMOVAL
SCALE: NTS



6 (E) BENCH ANCHORAGE REMOVAL
SCALE: NTS



- NOTES:**
- SEE S-1.1 NEW POOL DECK DRAINAGE PLAN FOR NEW LINEAR DRAIN AND CATCH BASIN ALIGNMENT AND SLAB ELEVATIONS.
 - SEE S-1.2 NEW POOL JOINTING AND POUR SCHEDULE.
- KEYNOTES:**
- CONC WALL SPALL / DELAM REPAIR, SEE 5/S-3.1 (SIM @ RISER)
 - REPAIR METAL BASE CONNECTION, SEE 7/S-3.0
 - INFILL HOLES @ REMOVED BENCH POSTS, SEE 8/S-3.1
- KEY**
- (N) 7" POOL DECK SLAB ON GRADE W/ CORROSION INHIBITOR TREATMENT ON TOP SIDE (7" UNO)
 - (N) 5" EXT. CONC SLAB ON GRADE (FLATWORK / PAVING)
 - (N) 5" ELEVATED SLAB W/ CORROSION INHIBITOR ON TOP AND BOTTOM SIDES, SEE DETAIL 7/S-3.1
 - (E) ELEVATED CONC SLAB W/ CORROSION INHIBITOR TREATMENT OF TOP AND BOTTOM SIDES, SEE 9/S-3.1
 - (N) 8" ELEVATED POOL DECK SLAB W/ CORROSION INHIBITOR TREATMENT ON TOP AND BOTTOM SIDES, SEE 3/S-3.0
 - (N) INFILL POOL SLAB, MATCH EXISTING SLAB DEPTH (6" MIN), SEE 8/S-3.0



RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
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1ST FLOOR POOL DECK AND SLAB PLAN

S-1.0
2022.133

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1 1ST FLOOR POOL DECK AND SLAB PLAN
SCALE: 3/16" = 1'-0"



RAY WILLIAMSON POOL RENOVATION

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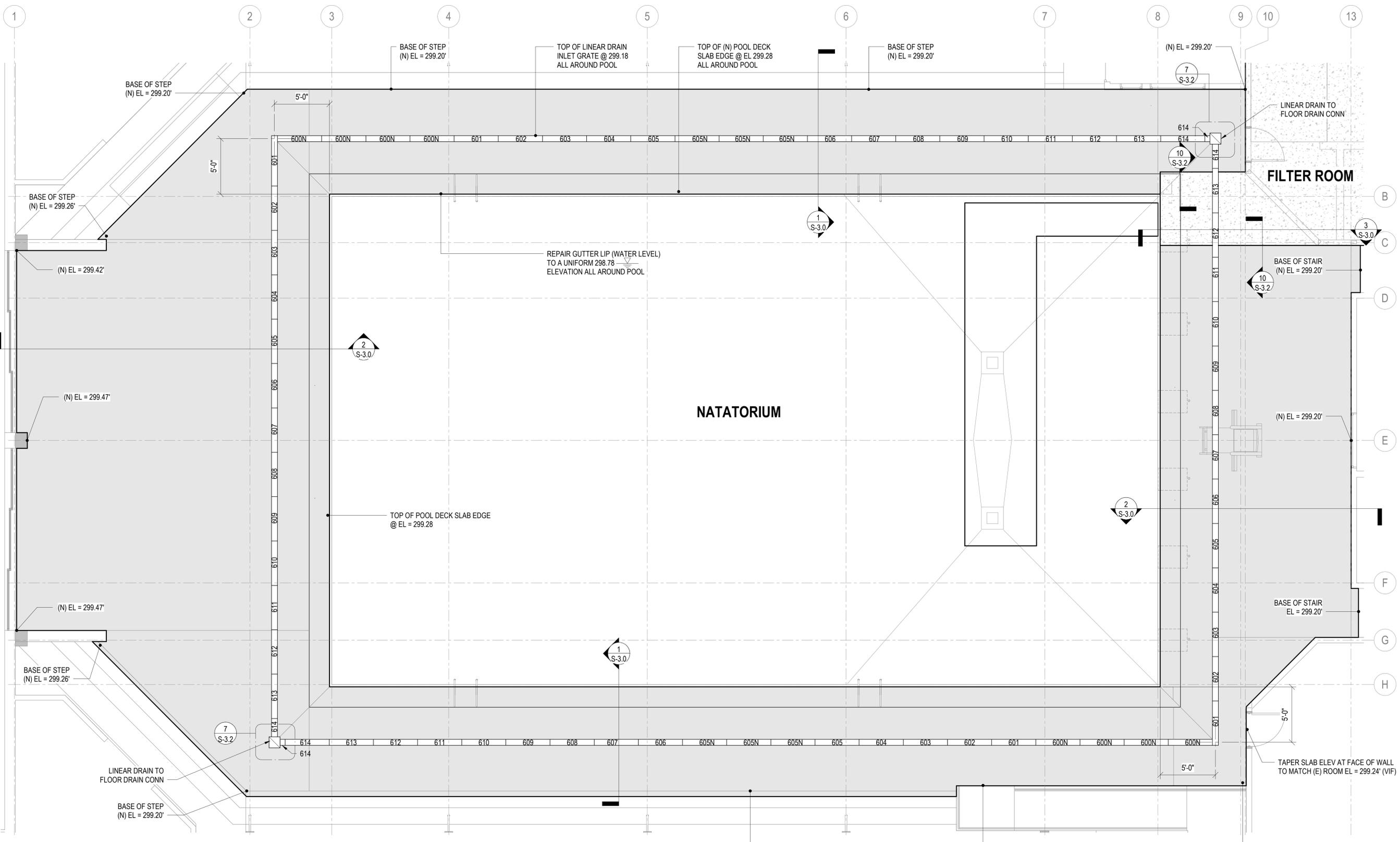
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NEW POOL DECK DRAINAGE PLAN

S-1.1
2022.133



KEY
 - NEW POOL DECK SLAB
 - ELEVATED CONCRETE SLAB

NOTE:
1. SEE S-1.2 NEW POOL DECK JOINTING AND POUR SCHEDULE PLAN.

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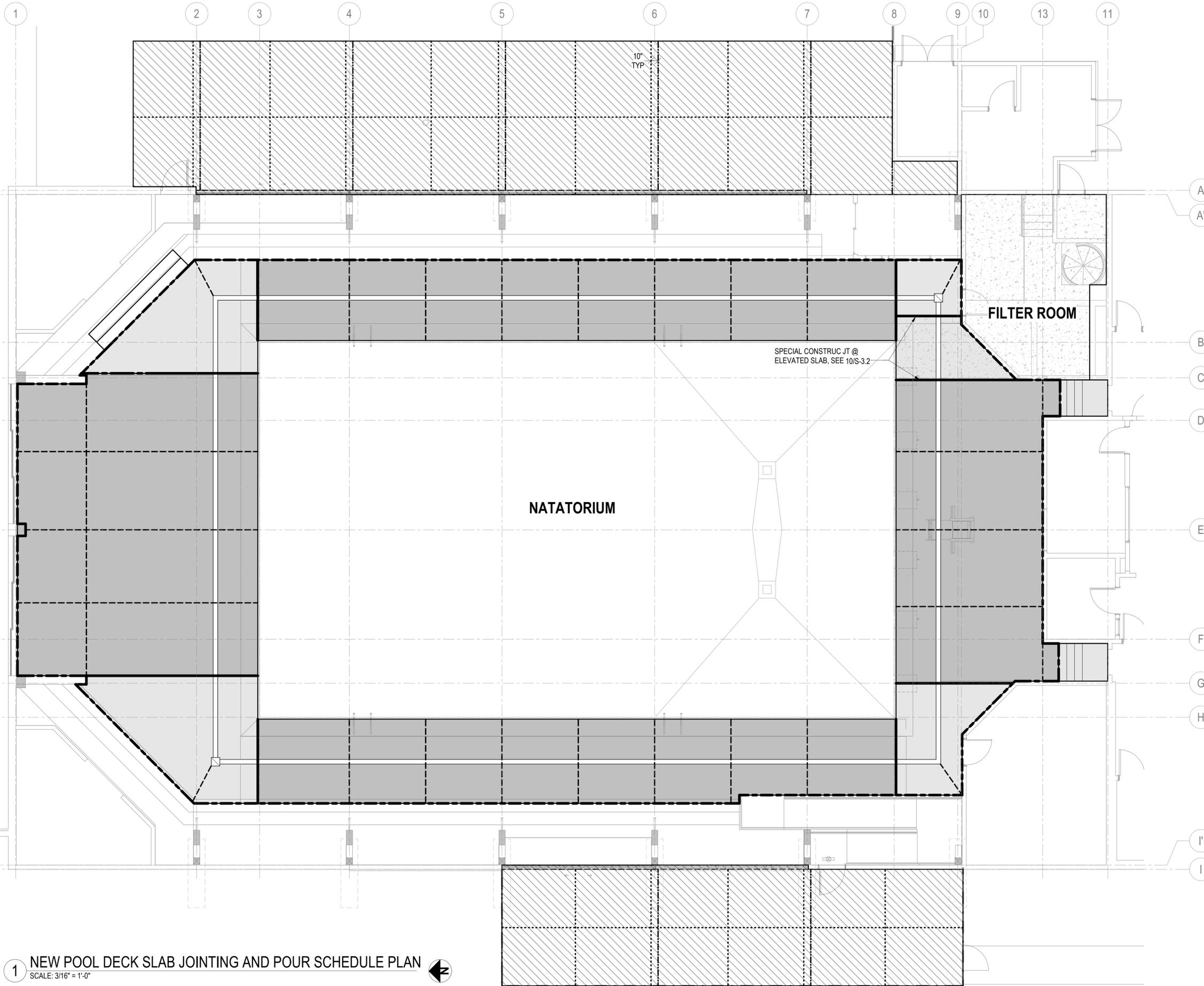
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1 NEW POOL DECK DRAINAGE PLAN
SCALE: 1/4" = 1'-0"



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- KEY**
- ELEVATED CONCRETE SLAB
- JOINT KEY**
- INTERIOR CONSTRUCTION (COLD) JOINT DETAIL, SEE 1/S-3.2 (EXCEPT AT ELEVATED SLAB, SEE PLAN)
 - INTERIOR CONTRACTION JOINT (EARLY ENTRY DRY CUT), SEE 2/S-3.2
 - INTERIOR ISOLATION JOINT DETAIL AT (E) WALLS, SEE 3/S-3.2
 - EXTERIOR EXPANSION JOINT DETAIL AT FLATWORK/PAVING, SEE 3/S-3.3
 - EXTERIOR CONTRACTION JOINT DETAIL AT FLATWORK/PAVING, SEE 4/S-3.3
- POUR SCHEDULE**
- POUR 1
 - POUR 2
 - POUR 3 (SEE ARCH FOR SLOPE AND FINISH)
- CONCRETE POUR NOTES:**
1. PROVIDE A THREE DAY CURE PRIOR TO STRIPPING FORMS.
 2. PROVIDE A MINIMUM OF TWENTY EIGHT DAYS BETWEEN POUR 1 & POUR 2.
 3. WET CURE (N) CONCRETE SLAB A MINIMUM OF TEN DAYS.
 4. SEQUENCING OF POUR 3 CAN BE PERFORMED AT CONTRACTOR DISCRETION.



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RAY WILLIAMSON POOL RENOVATION

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NEW POOL DECK JOINTING AND POUR SCHEDULE PLAN

S-1.2
2022.133

1 NEW POOL DECK SLAB JOINTING AND POUR SCHEDULE PLAN
SCALE: 3/16" = 1'-0"



RAY WILLIAMSON POOL RENOVATION

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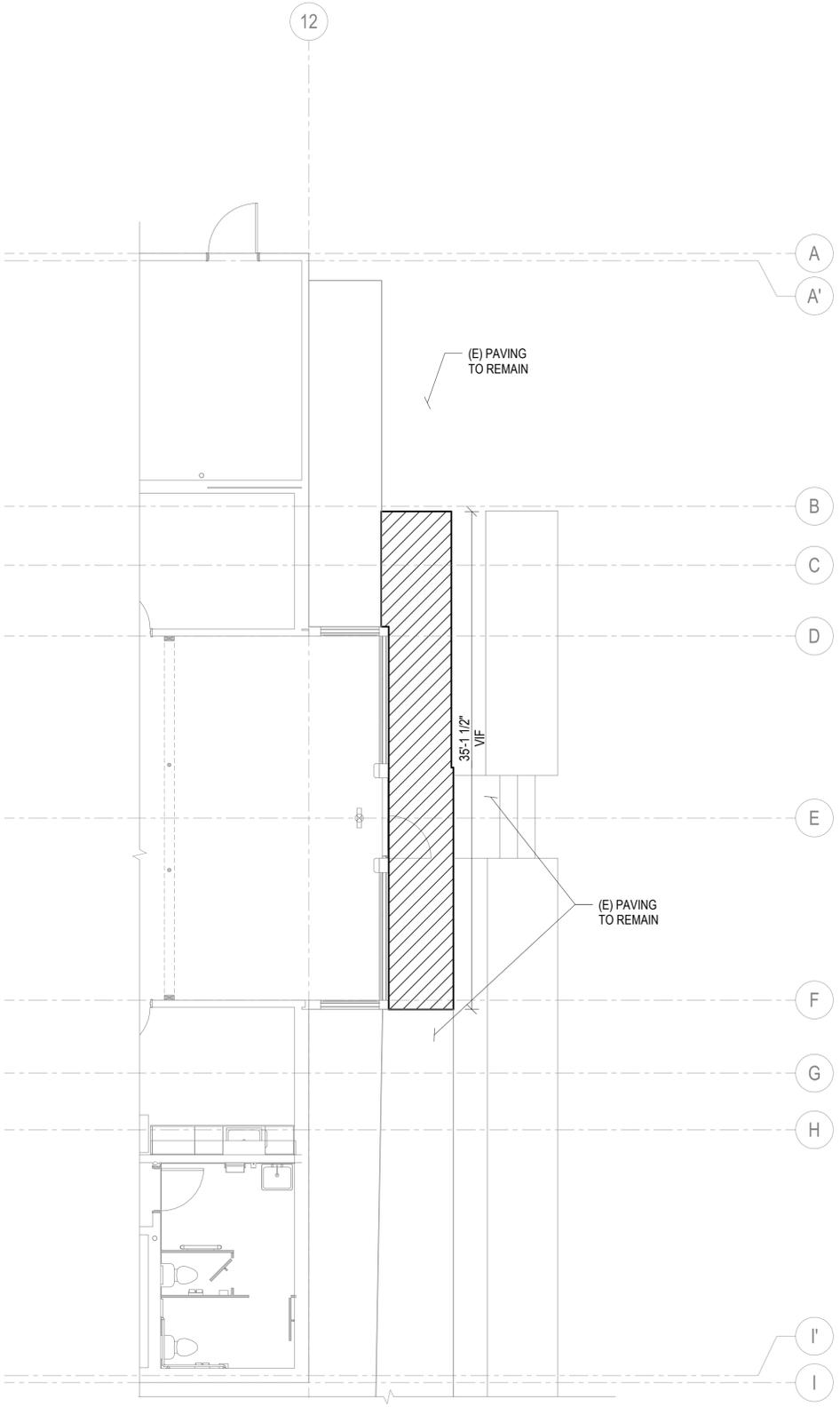
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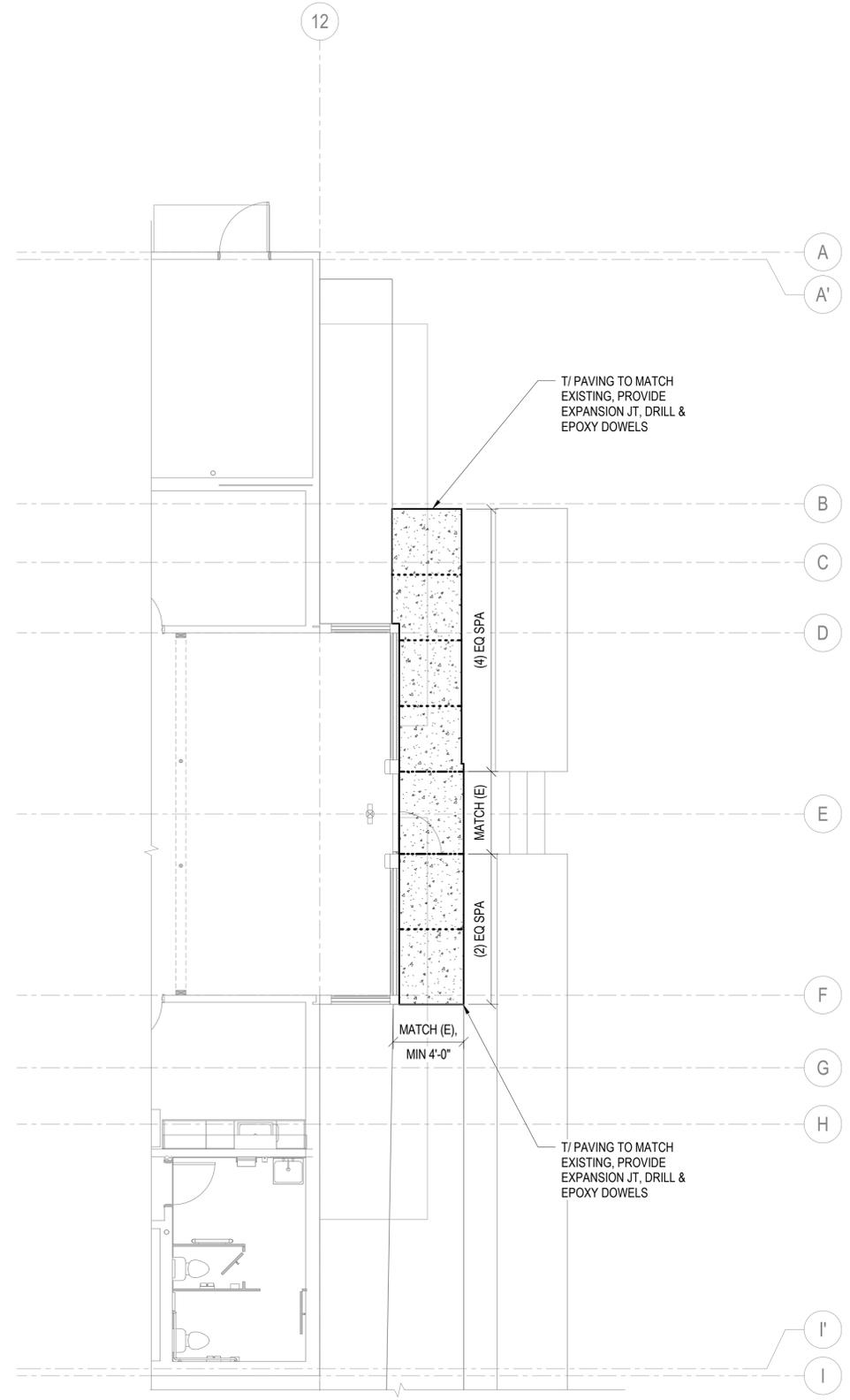
PAVING PLAN - ALT 1

S-1.3
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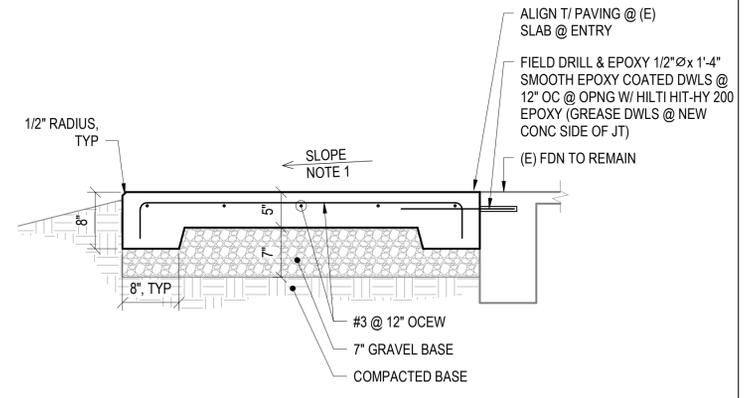
DEMOLITION KEY
REMOVE (E) PAVING WHERE NOTED.

1 PAVING DEMO AT SOUTH ENTRY
SCALE: 3/16" = 1'-0"



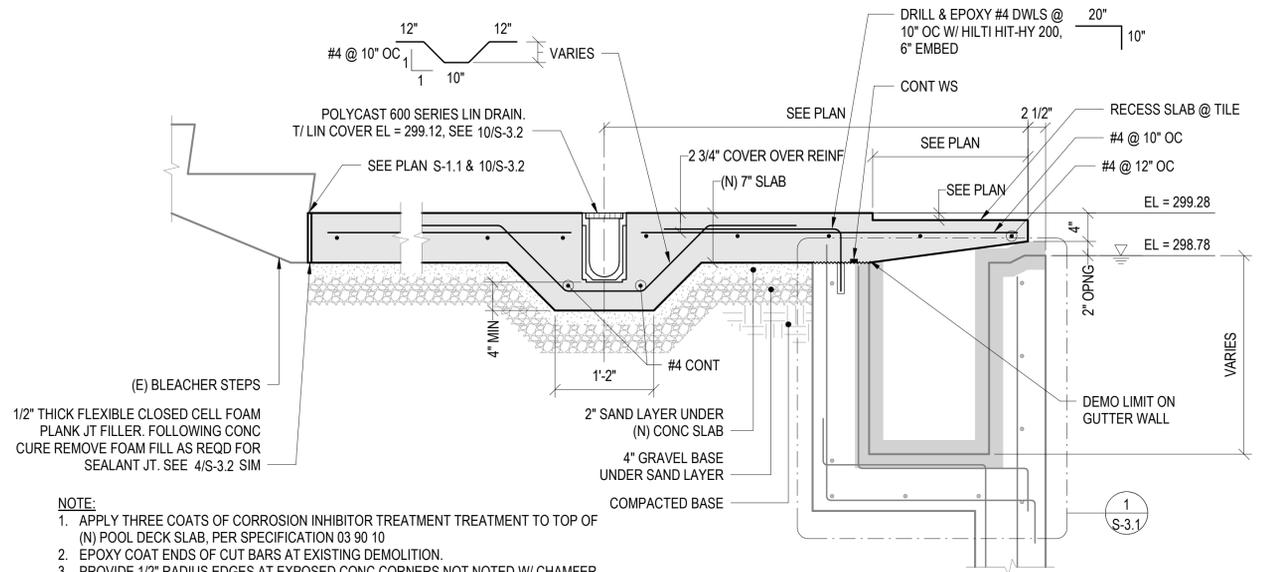
KEY
- (N) 5" EXT. CONC CURB ON GRADE (FLATWORK / PAVING)
JOINT KEY
- EXTERIOR EXPANSION JOINT DETAIL AT FLATWORK PAVING, SEE 3/S-3.3
- EXTERIOR CONTRACTION JOINT DETAIL AT FLATWORK/PAVING, SEE 4/S-3.3

2 PAVING PLAN AT SOUTH KEY
SCALE: 3/16" = 1'-0"

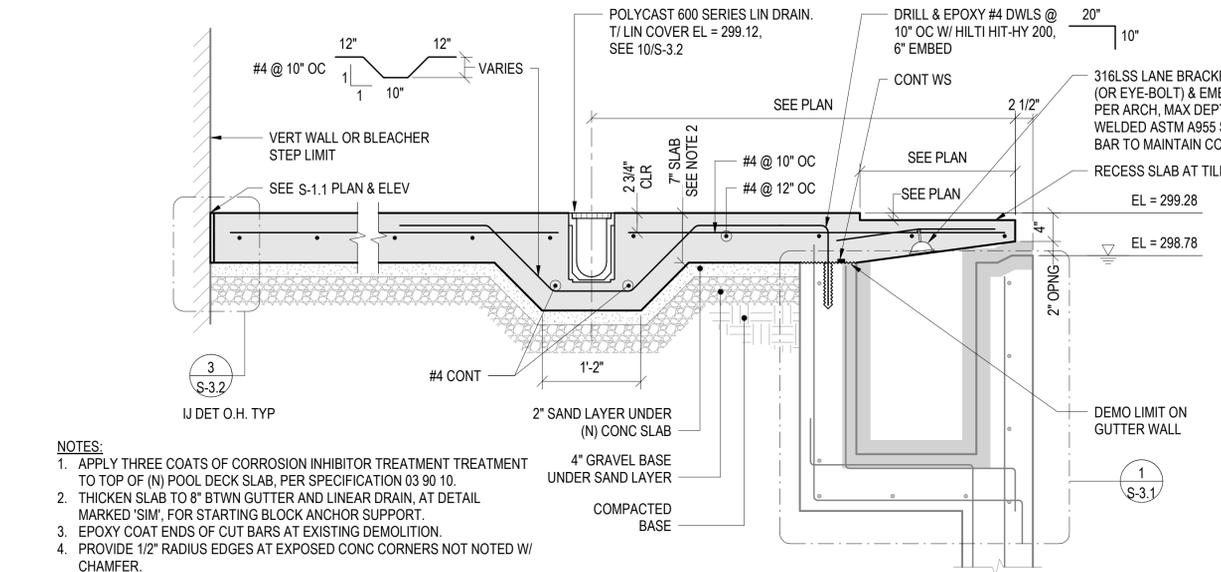


NOTES:
1. SEE PLAN FOR ELEVATIONS TO MATCH EXISTING PAVING, PROVIDE PROPOSED TOC ELEVATION PLAN WITH SLOPES BETWEEN 1 - 2% FOR REVIEW AND APPROVAL.
2. PROVIDE BROOM FINISH IN DIRECTION OF SLOPE, SEE ARCH FOR ADDITIONAL FINISH REQUIREMENTS.

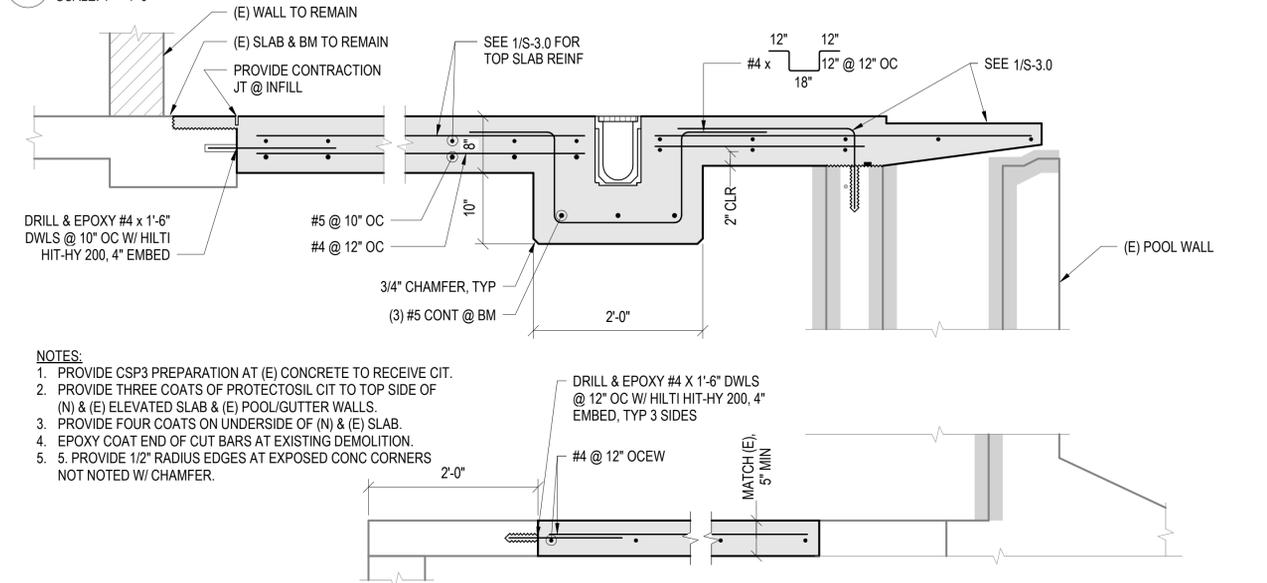
3 PAVING DETAIL
SCALE: NTS



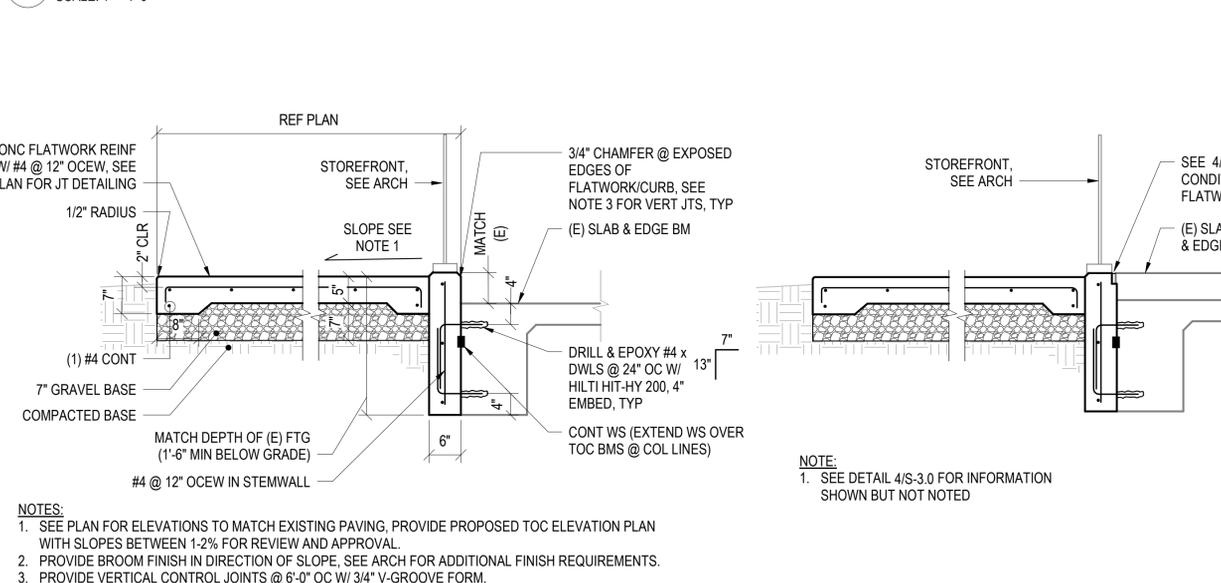
1 GRID B AND H LINE POOL DECK SLAB REPLACE SECTION
 SCALE: 1" = 1'-0"



2 GRID 3 AND 8 LINE POOL DECK SLAB REPLACE SECTION
 SCALE: 1" = 1'-0"

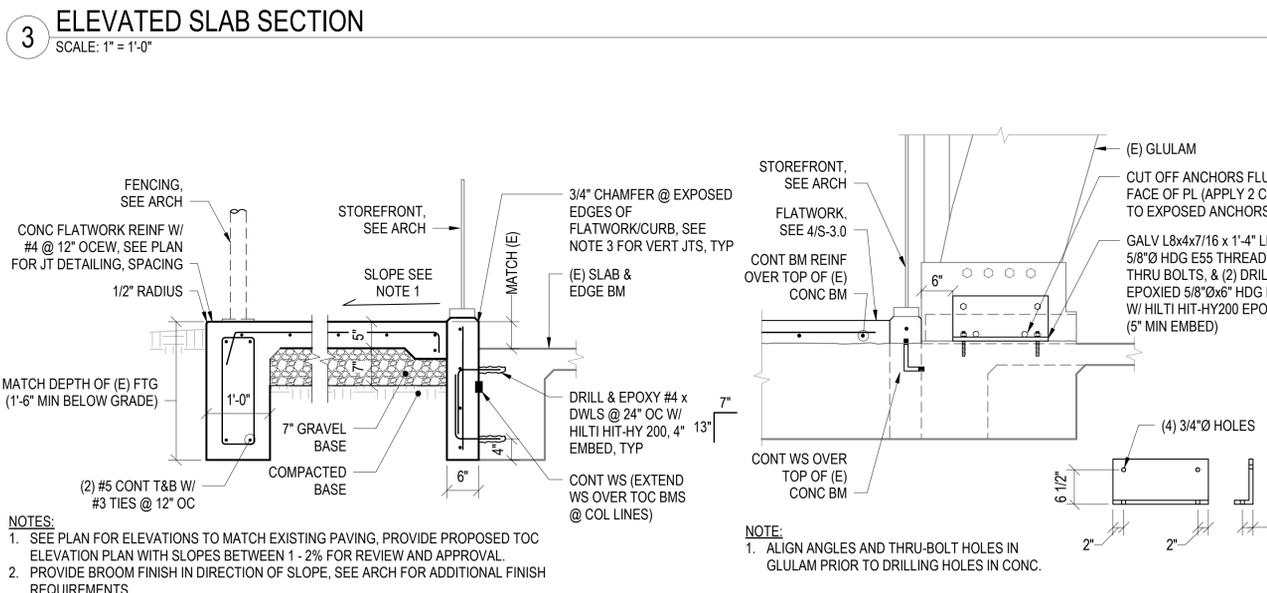


3 ELEVATED SLAB SECTION
 SCALE: 1" = 1'-0"



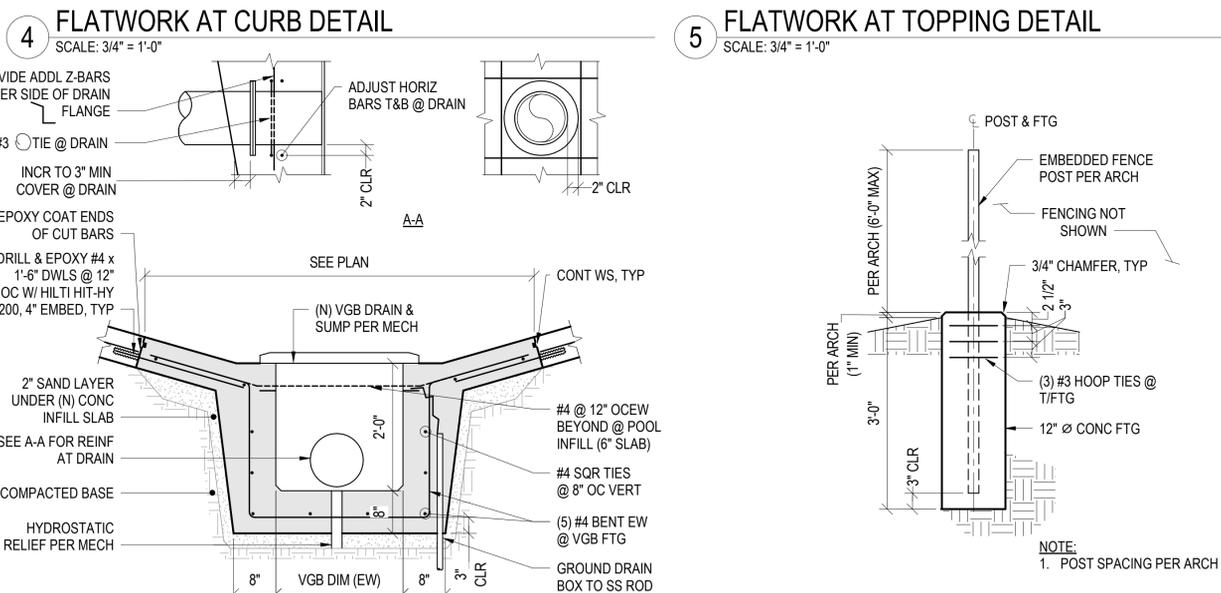
4 FLATWORK AT CURB DETAIL
 SCALE: 3/4" = 1'-0"

5 FLATWORK AT TOPPING DETAIL
 SCALE: 3/4" = 1'-0"



6 FLATWORK AT CURB DETAIL
 SCALE: 3/4" = 1'-0"

7 METAL BASE CONN REPAIR DETAIL
 SCALE: 3/4" = 1'-0"



8 VGB DRAIN & POOL INFILL DETAIL
 SCALE: 3/4" = 1'-0"

9 TYP FENCE POST FTG DETAIL
 SCALE: 3/4" = 1'-0"

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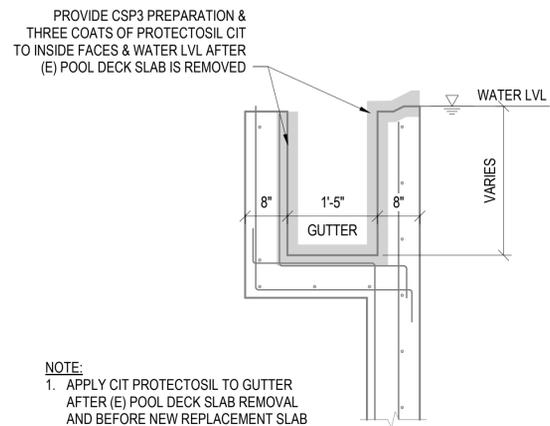
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PROJECT ENGINEER: JB
 PROJECT MANAGER: ML
 DRAWN BY: AB

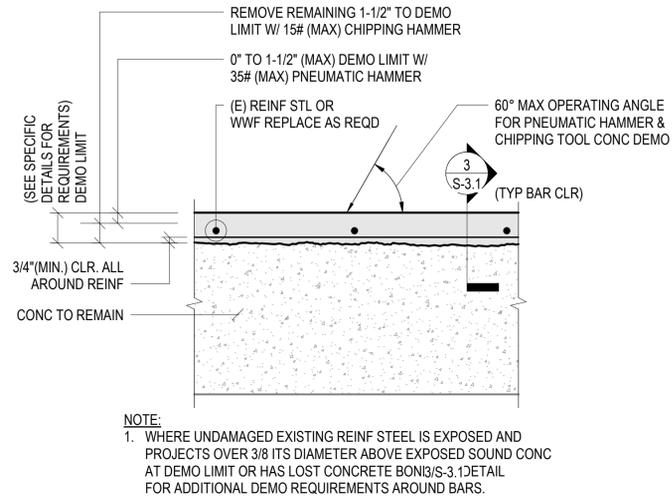
DETAILS

S-3.0
 2022.133

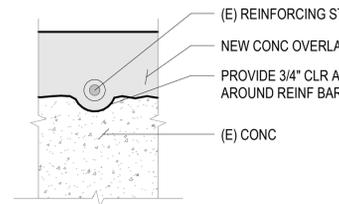
1/30/2026 2:47:46 PM C:\Users\spalekha\OneDrive - MLA Engineering\Documents\Revit Local Files\2022\21.133 Ray Williamson Pool_Phase 2_R22_spalekha.rvt



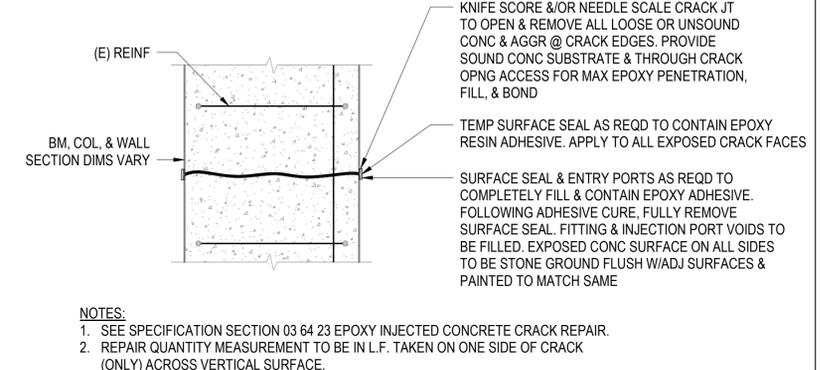
1 TYPICAL POOL WALL GUTTER TREATMENT
SCALE: 3/4" = 1'-0"



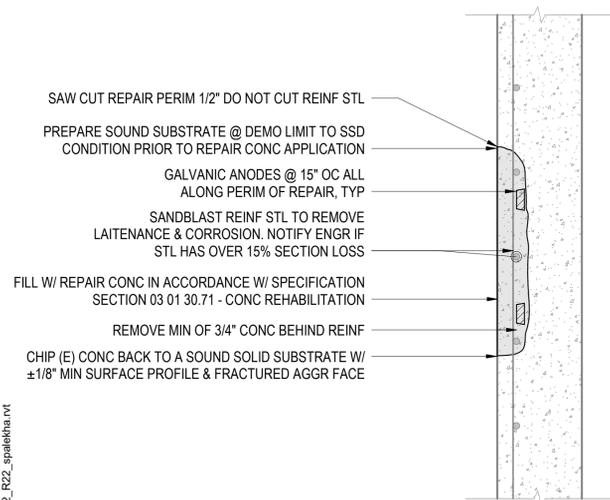
2 TYPICAL CONCRETE REMOVAL DETAIL
SCALE: NTS



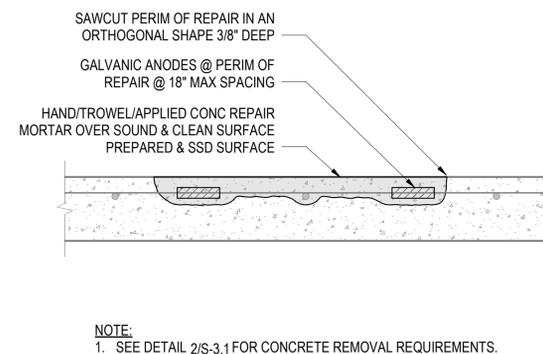
3 TYPICAL REINF BAR DETAIL
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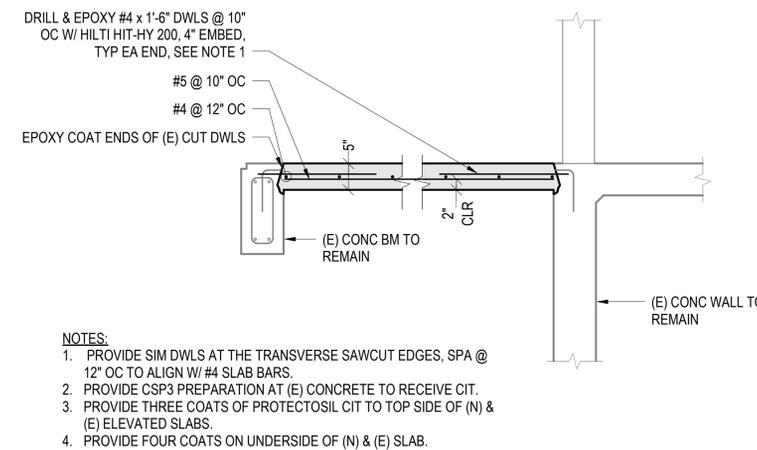
4 TYPICAL DETAIL FOR EPOXY INJECTION CRACK REPAIR OF WALLS, BEAMS, ELEVATED SLAB AND COLUMNS
SCALE: NTS



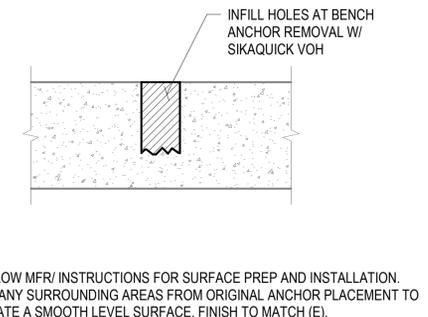
5 TYPICAL WALL REPAIR DETAIL
SCALE: NTS



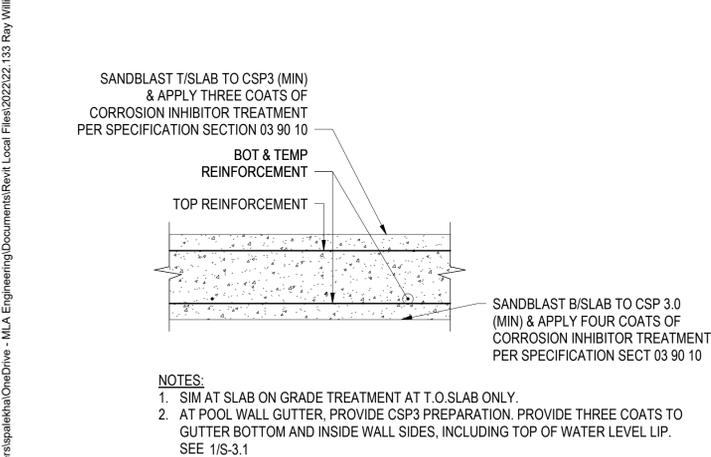
6 TYPICAL ELEVATED CONCRETE SLAB REPAIR DETAIL
SCALE: NTS



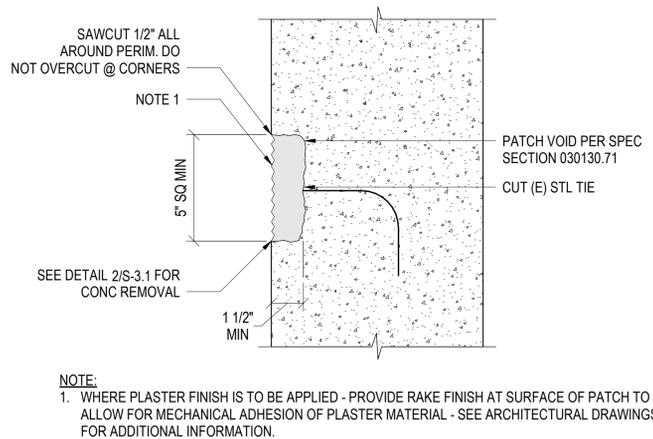
7 (N) ELEVATED REPLACEMENT SLAB DETAIL
SCALE: 3/4" = 1'-0"



8 (E) BENCH ANCHORAGE INFILL
SCALE: 3" = 1'-0"



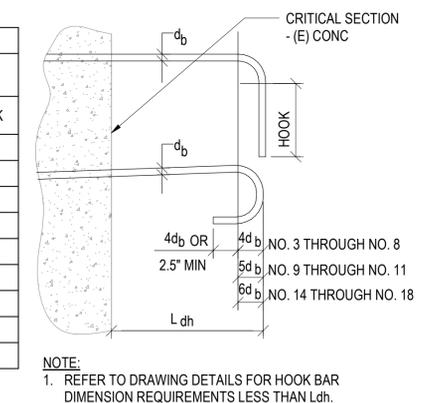
9 CORROSION EVONIK PROTECTOSIL INHIBITOR TREATMENT AT ELEVATED POOL DECK SLAB AND POOL WALL GUTTER DETAIL
SCALE: NTS



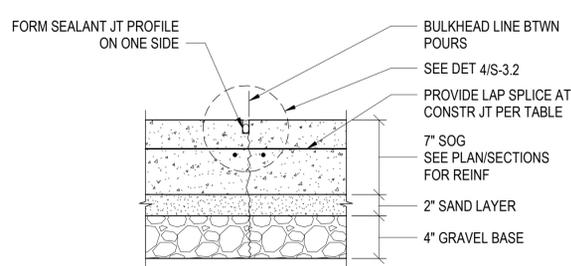
10 TYP CUT OFF AND PATCH DETAIL FOR (E) CONC WALL TIES
SCALE: NTS

SPLICE AND DEVELOPMENT LENGTHS BASED ON ACI 318-19

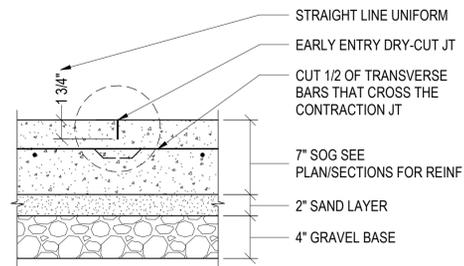
BAR SIZE	SPLICE AND DEVELOPMENT LENGTHS BASED ON ACI 318-19							
	TENSION LAP LENGTH, L _s		TENSION DEV LENGTH, L _d		COMP LAP LENGTH, L _{cs}	COMP DEV LENGTH, L _{cd}	STANDARD HOOK	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS			LENGTH, L _{dh}	HOOK
#3	18	14	14	12	12	8	7	6
#4	29	23	23	17	15	9	11	8
#5	36	28	28	22	19	12	15	10
#6	44	34	34	26	23	14	19	12
#7	63	49	49	38	27	16	24	14
#8	72	56	56	43	30	18	29	15
#9	81	63	63	48	34	21	35	19
#10	92	71	71	54	39	23	42	21
#11	102	78	78	60	43	26	49	23



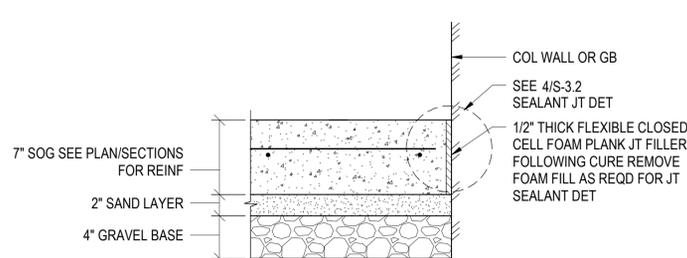
11 TYPICAL REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH TABLE
SCALE: NTS



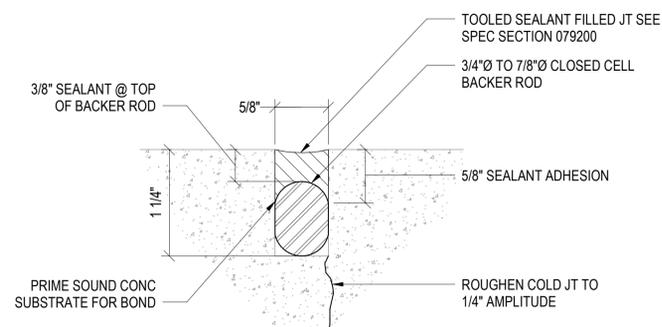
1 INTERIOR CONSTRUCTION (COLD) JOINT DETAIL
SCALE: NTS



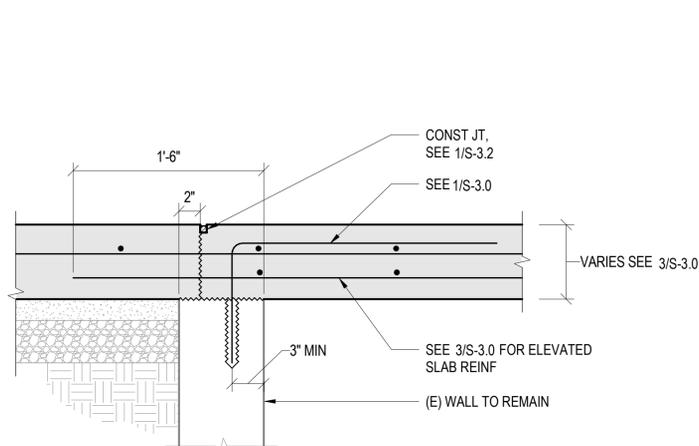
2 INTERIOR CONTRACTION
(EARLY-ENTRY DRY-CUT) JOINT DETAIL
SCALE: NTS



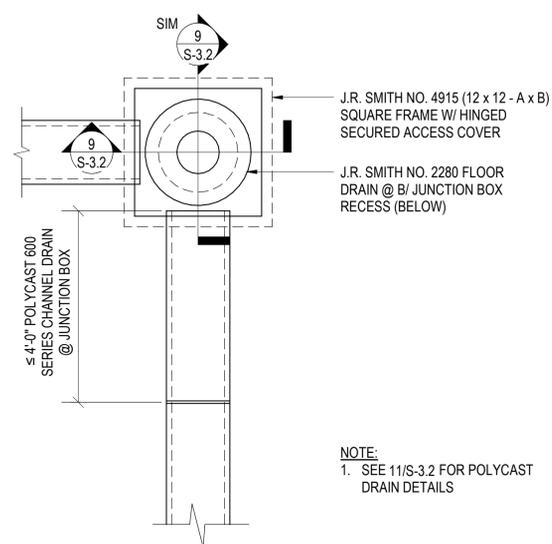
3 INTERIOR ISOLATION JOINT DETAIL
SCALE: NTS



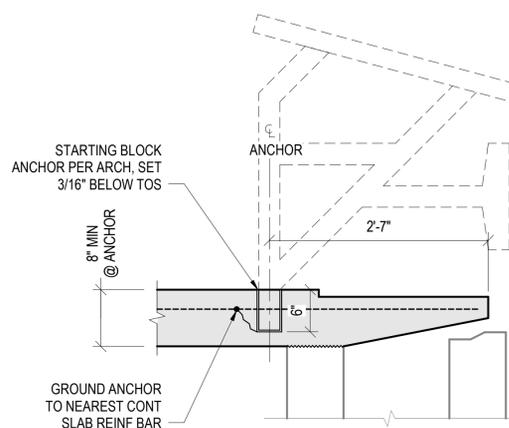
4 POOL SLAB SEALANT JOINT SEAL
SCALE: NTS



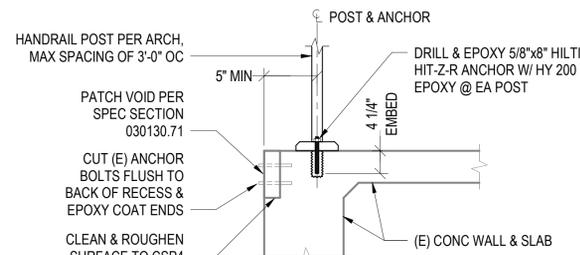
5 (N) ELEVATED SLAB CONN
AT (E) BASEMENT WALLS
SCALE: 1 1/2\"/>



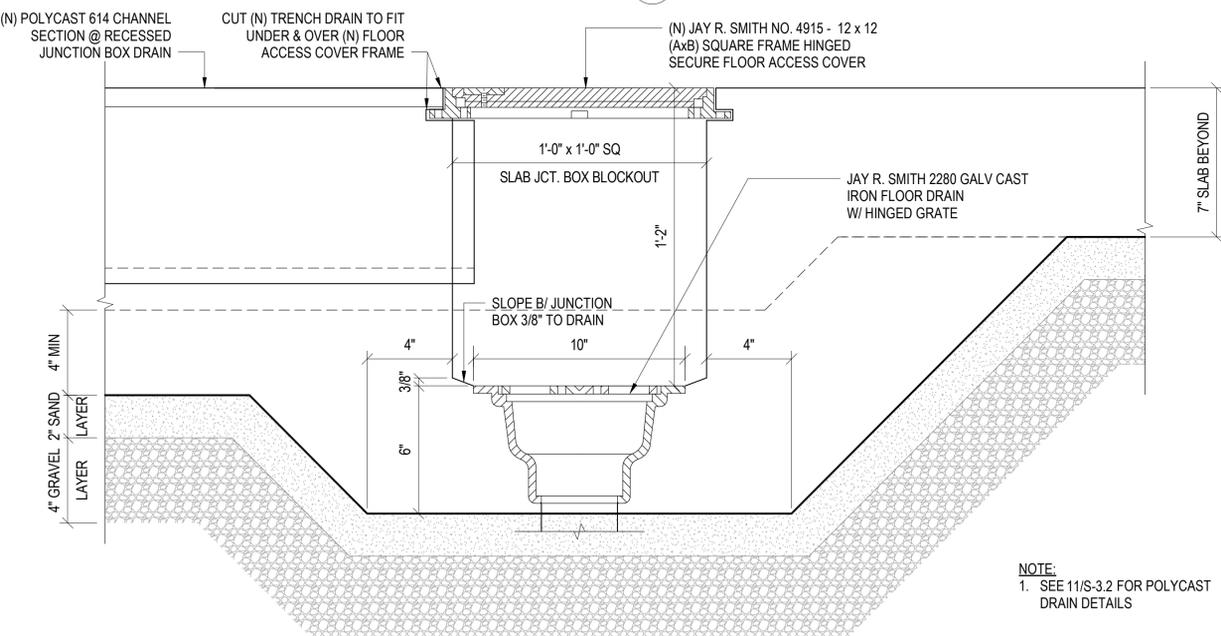
6 TRENCH DRAIN W/ FRAME & FLOOR DRAIN PLAN
SCALE: NTS



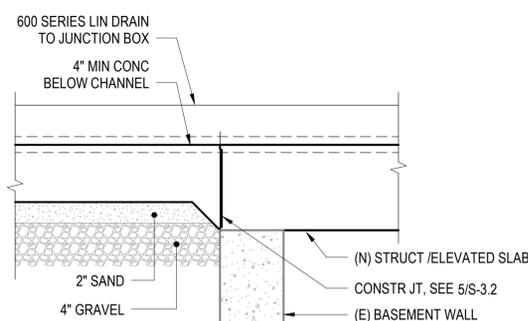
7 STARTING BLOCK ANCHOR DETAIL
SCALE: 1\"/>



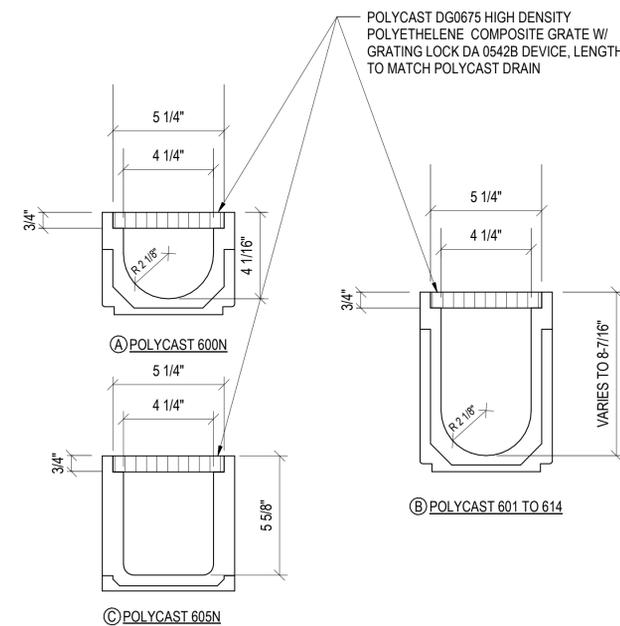
8 HANDRAIL ANCHOR DETAIL
SCALE: NTS



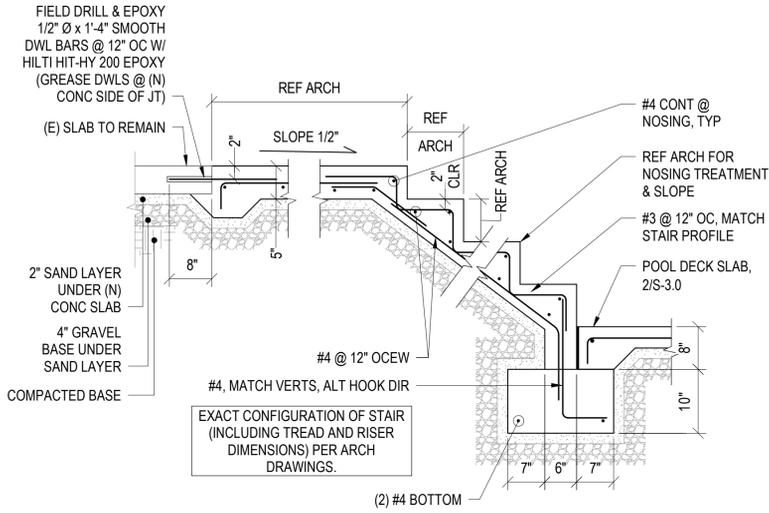
9 TRENCH DRAIN W/ FRAME AND FLOOR DRAIN SECTION
SCALE: NTS



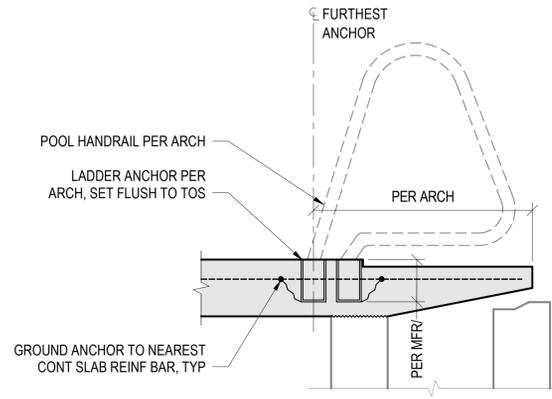
10 TRENCH DRAIN AT SLAB TRANSITION
SCALE: NTS



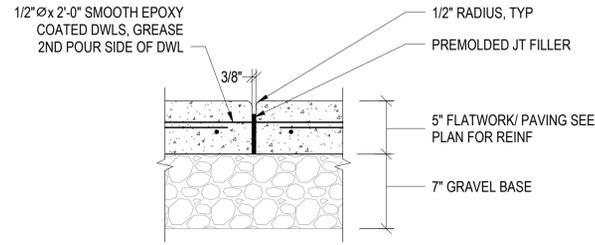
11 POLYCAST DRAIN DETAILS
SCALE: NTS



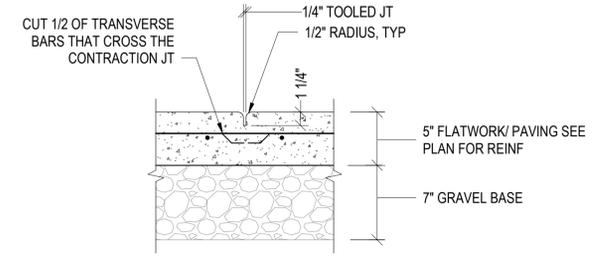
1 STAIR-ON-GRADE DETAIL
SCALE: 3/4" = 1'-0"



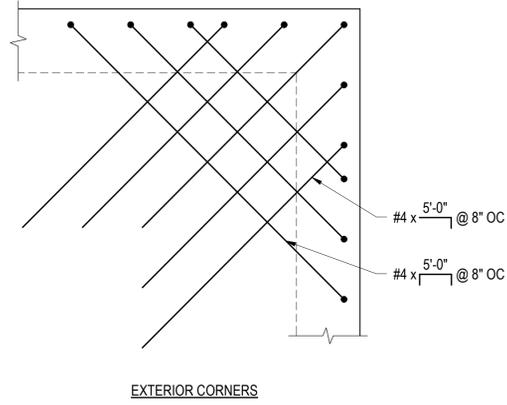
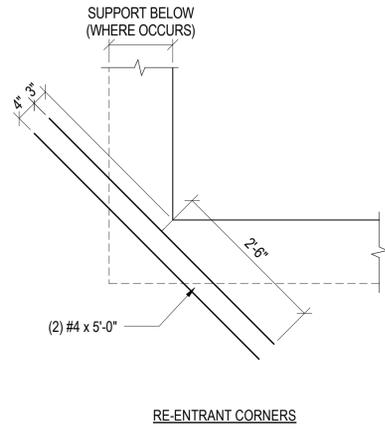
2 LADDER ANCHOR DETAIL
SCALE: 1" = 1'-0"



3 EXT PAVING EXPANSION JT DETAIL
SCALE: 1 1/2" = 1'-0"



4 EXT PAVING CONTRACTION JT DETAIL
SCALE: 1 1/2" = 1'-0"



5 TYPICAL ADDITIONAL REINFORCING AT SLAB CORNERS
SCALE: NTS

PLUMBING LEGEND

	PIPE ELBOW DOWN
	PIPE ELBOW UP
	FLANGE
	FLEX CONNECTION
	TEE OUTLET UP
	TEE OUTLET DOWN
	AUTOMATIC AIR VENT
	BALL VALVE
	BALANCING VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	CLEAN OUT
	GATE VALVE
	GLOBE VALVE
	PIPE SIZE REDUCTION
	PIPE CAP
	DIRECTION OF FLOW
	BREAK IN PIPE OR DUCT
	FLOOR CLEAN OUT
	FLOOR DRAIN
	FLOOR SINK
	VENT THROUGH ROOF
	DETAIL OR SECTION CALLOUT
	SECTION CUT LINE
	THERMOSTAT
	CARBON DIOXIDE SENSOR
	SENSOR
	HUMIDISTAT
	SWITCH
	TIMER SWITCH
	LINE, ARCH. BACKGROUND
	LIGHT LINE, EXISTING
	HEAVY LINE, NEW WORK
	COLD WATER
	HOT WATER
	HOT WATER CIRCULATION
	SANITARY SEWER
	SANITARY VENT
	CONDENSATE DRAIN
	COMPRESSED AIR
	SLOPE AND DFU TAG (FIXTURE UNITS SHOWN INSIDE BRACKETS)
	CLEARANCE REQUIREMENT
	WORK TO BE REMOVED
	REVISION CLOUD
	EQUIPMENT ITEM XX
	FLAG NOTE
	REVISION NOTE

PLUMBING INDEX

PD.1	PLUMBING LEGEND,NOTES AND INDEX
PD1.0	FOUNDATION PLUMBING DEMOLITION PLAN
PD2.0	PLUMBING DEMOLITION PHOTOS
P1.0	FOUNDATION PLUMBING PLAN
P2.0	FIRST FLOOR PLUMBING PLAN
P3.1	PLUMBING DETAILS

APPLICABLE CODES

- 2018 UNIFORM PLUMBING CODE WITH WASHINGTON STATE AMENDMENTS
- 2018 WASHINGTON STATE BUILDING CODE
- 2018 WASHINGTON STATE ENERGY CODE

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
CIRC	CIRCULATING
CO	CLEAN OUT
COND	CONDENSATE
COORD	COORDINATE
CW	COLD WATER
DE	DIATOMACEOUS EARTH
DEG	DEGREE
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
E	EXISTING
EA	EACH
ESP	EXTERNAL STATIC PRESSURE
EXIST	EXISTING
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FM	FORCE MAIN
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FPM	FEET PER MINUTE
FT	FOOT, FEET
G	NATURAL GAS
GA	GAUGE
GAL	GALLONS
GPM	GALLONS PER HOUR
HP	HORSEPOWER
IE	INVERT ELEVATION
IN	INCH
KW	KILOWATT, (1000 WATTS)
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
NC	NORMALLY CLOSE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
ORL	OVERFLOW RAINWATER LEADER
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
RPM	REVOLUTIONS PER MINUTE
RWL	RAINWATER LEADER
SP	STATIC PRESSURE
SPD	STATIC PRESSURE DROP
SPEC	SPECIFICATIONS
SS	SANITARY SEWER
TDH	TOTAL DYNAMIC HEAD
TPD	TOTAL PRESSURE DROP
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
V	VOLT, VENT
VTR	VENT THRU ROOF
W/	WITH
WSEC	WASHINGTON STATE ENERGY CODE
WSPC	WASHINGTON STATE PLUMBING CODE

PLUMBING NOTES

1. THE CONTRACTOR'S SCOPE OF WORK SHALL CONSIST OF ALL WORK SHOWN ON THE DRAWINGS, INCLUDING PLANS, DIAGRAMS, DETAILS, ETC., AND ALL WORK AS IDENTIFIED IN THE SPECIFICATIONS. WORK INCLUDES FURNISHING, INSTALLING SYSTEM, INTEGRATION, TESTING, TRAINING AND WARRANTY OF THE PLUMBING SYSTEMS AS SHOWN AND SPECIFIED.
2. PROVIDE A COMPLETE AND OPERABLE PLUMBING SYSTEM. THE SYSTEM SHALL BE PROVIDED COMPLETE WITH ALL PLUMBING WORK AS REQUIRED FOR SYSTEM OPERATION PER THE SEQUENCE OF OPERATION.
3. ALL PLUMBING WORK SHALL COMPLY WITH LOCAL CODES AND REGULATIONS. WHERE WORK SHOWN IS IN CONFLICT WITH THE LOCAL CODE THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF THE CONFLICT AND WAIT FOR WRITTEN RESOLUTION PRIOR TO PROCEEDING. WHERE WORK IS SHOWN TO BE ABOVE AND BEYOND THE REQUIREMENTS OF THE CODE PROVIDE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
4. THE DESIGN OF PLUMBING SYSTEMS HAS BEEN BASED UPON THE EQUIPMENT AS MANUFACTURED BY THE MANUFACTURERS LISTED ON THE EQUIPMENT SCHEDULE OR IN THE SPECIFICATION. EQUIPMENT NAMED IN THE SPECIFICATIONS MAY BE SUBSTITUTED PROVIDED THAT THE EQUIPMENT MEETS OR EXCEEDS ALL SCHEDULED AND SPECIFIED CRITERIA AND HAS THE PRIOR WRITTEN APPROVAL OF THE ENGINEER. COORDINATE REVISIONS TO THE INSTALLATION WITH ALL TRADES AND GUARANTEE IN WRITING THAT NO ADDITIONAL COST WILL BE INCURRED DUE TO PRODUCT SUBSTITUTION.
5. CONTRACTOR SHALL FIELD VERIFY ALL BUILDING AND SITE DIMENSIONS BEFORE BEGINNING CONSTRUCTION OR ORDERING EQUIPMENT. DO NOT SCALE FROM PLANS. PLANS PROVIDED ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED OFFSETS, TRANSITIONS, OR CHANGES IN DIRECTION. PROVIDE ALL OFFSETS REQUIRED.
6. PIPE SIZES SHOWN ON PLAN ARE INTENDED TO INDICATE THE NOMINAL PIPE SIZE OF THE SPECIFIED PIPE MATERIAL AND PIPE SCHEDULE. COORDINATE ACTUAL PIPE OUTER DIMENSIONS WITH REQUIREMENTS FOR THERMAL INSULATION, HANGERS, SUPPORTS, ETC..
7. CONTRACTOR SHALL COORDINATE ALL PLUMBING WORK WITH OTHER TRADES AND SUBCONTRACTORS PRIOR TO INSTALLATION OF ANY WORK BY ANY TRADES. DURING COORDINATION EFFORTS DUCT ROUTING SHALL TAKE PRECEDENCE OVER PLUMBING PIPE AND FIRE SPRINKLER WORK. PLUMBING PIPES REQUIRING SLOPE SHALL TAKE PRECEDENCE OF FIRE SPRINKLER WORK. PROVIDE SHOP DRAWINGS FOR REVIEW BY ENGINEER PRIOR TO INSTALLATION AND FABRICATION TO DOCUMENT THE RESULTS OF THE COORDINATION.
8. PENETRATIONS THROUGH ROOF OR EXTERIOR WALLS SHALL BE SEALED WEATHER TIGHT. PENETRATIONS THROUGH CEILING OR INTERIOR WALLS SHALL BE SEALED SUBSTANTIALLY AIRTIGHT. BELOW GRADE WALLS OR SLABS SHALL BE SLEEVED AND SEALED WATERTIGHT. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE TREATED TO MEET OR EXCEED THE FIRE RATINGS OF SUCH WALLS.
9. PROVIDE ALL REQUIRED ELECTRICAL POWER, MOTOR STARTERS, MOTOR CONTROL INTERFACES, CONTROL SWITCHES, AND CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION AND TO EXECUTE THE SEQUENCE OF OPERATIONS. COORDINATE LINE VOLTAGE WORK REQUIREMENTS WITH THE JOBSITE ELECTRICAL CONTRACTOR.
10. PROVIDE ALL REQUIRED EQUIPMENT GUARDS AND STRUCTURAL SUPPORTS AS RECOMMENDED BY EQUIPMENT MANUFACTURERS TO SUPPORT EQUIPMENT AND TO ASSURE SYSTEM PERFORMANCE AND SAFE OPERATION. COORDINATE PRIOR TO INSTALLATION.
11. PROVIDE ACCESS PANELS AS REQUIRED TO MAINTAIN EQUIPMENT, ACCESS VALVES, AND PLUMBING ACCESSORIES. COORDINATE FIRE RATING OF SUCH PANELS WITH THE ARCHITECTURAL DOCUMENTS. ACCESS PANELS SHALL BE MINIMUM SIZE REQUIRED TO SERVICE EQUIPMENT PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. IF NO MINIMUM SIZE IS GIVEN THE PANEL SHALL BE NO SMALLER THAN 12" BY 12" IN SIZE.
12. COORDINATE LOCATION OF ALL THERMOSTATS, AND ALL WALL MOUNTED EQUIPMENT, WITH THE ARCHITECT. THE LOCATIONS AS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS. IF NOT SHOWN ON ARCHITECTURAL ELEVATIONS, MOUNT WITH TOP OF EQUIPMENT NO HIGHER THAN 44" ABOVE FINISHED FLOOR.
13. PROVIDE UNIT SUPPORT PER MANUFACTURERS RECOMMENDATIONS. BUILDING AND STRUCTURE IS DESIGNED TO SUPPORT EQUIPMENT, BUT NOT DETAILED TO ACCOMMODATE EACH AVAILABLE EQUIPMENT CONFIGURATION OR MANUFACTURER. CONTRACTOR SHALL PROVIDE MATERIALS AND SERVICES INCLUDING BUT NOT LIMITED TO, ADDITIONAL STEEL, SUPPORT BRACKETS, HANGERS, ACCESSORIES, AND STRUCTURAL ENGINEERING AS REQUIRED TO SUPPORT EQUIPMENT.
14. PROVIDE FRAMING, CUTTING, BLOCKING AND PATCHING AS REQUIRED.
15. PROVIDE TRAP PRIMERS AND TRAP PRIMING SUPPLY LINES TO EVERY FLOOR DRAIN P-TRAP. SUPPLY LINES SHALL BE RUN IN COPPER AND SLOPPED TO THE P-TRAP. INSTALL TRAP PRIMERS IN NEARBY WALL AND ROUTE SUPPLY WATER TO TRAP PRIMER MANIFOLD AS NECESSARY. UNLESS OTHERWISE NOTED, OR APPROVED IN WRITING FROM THE ENGINEER, PROVIDE ELECTRONICALLY METERED TRAP PRIMERS.
16. PROVIDE WATER HAMMER ARRESTORS AT EACH WATER SUPPLY BRANCH CONTAINING A WATER CLOSET, URINAL, OR PUBLIC LAVATORY FIXTURE. LOCATE PER MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE ACCESS PANEL FOR SERVICE AND MAINTENANCE OF WATER HAMMER ARRESTOR.
17. MAINTENANCE PROVISIONS: PROVIDE FLANGES OR UNIONS AT ALL PIPE CONNECTIONS TO EQUIPMENT TO ALLOW FOR REMOVAL OR DISASSEMBLY FOR MAINTENANCE.
18. REFER TO THE ARCHITECTURAL PLANS FOR THROUGH RATED FIRE STOP ASSEMBLIES OR MEMBRANE PENETRATION ASSEMBLIES.

2018 WSEC NOTES

1. PROVIDE RECORD DOCUMENTS IN ACCORDANCE WITH SECTION C103.6.1. PROVIDE OPERATION AND MAINTENANCE MANUALS IN ACCORDANCE WITH SECTION C103.6.2. PROVIDE THE OWNER WITH THE COMPLIANCE DOCUMENTS REQUIRED BY SECTION C103.6.3. REFER ALSO TO THE PROJECT SPECIFICATIONS FOR ALL CLOSEOUT AND RECORD DOCUMENT REQUIREMENTS. THE DRAWINGS SHALL INDICATE, AT A MINIMUM, THE LOCATION AND PERFORMANCE DATA OF EQUIPMENT, AS-BUILT CONFIGURATION OF DUCTWORK AND PIPING DISTRIBUTION SYSTEMS, INCLUDING FLOW RATE, EQUIPMENT TAGS, AND FIELD VERIFIED DIMENSIONS.
2. PROVIDE OWNER TRAINING PER SECTION 103.6.4 AND AS REQUIRED BY THE PROJECT SPECIFICATIONS. OWNER TRAINING MUST TAKE PLACE BEFORE OWNER OCCUPANCY BUT CAN TAKE PLACE AFTER SUBSTANTIAL COMPLETION HAS BEEN APPROVED.
3. SEAL, GASKET, OR WEATHER STRIP ALL ACCESS DOORS AND PANELS THAT OPEN FROM CONDITIONED SPACES TO UNCONDITIONED SPACES AND PER SECTION C402.5.4.
4. PROVIDE VARIABLE SPEED DRIVES FOR ALL FAN AND PUMP MOTORS GREATER THAN OR EQUAL TO 7.5 HP PER SECTION C403.2.3.
5. SERVICE WATER HEATING EQUIPMENT SHALL HAVE MINIMUM PERFORMANCE AT SPECIFIED RATING CONDITIONS NOT LESS THAN THE VALUES INDICATED IN TABLE C404.2 (NOT INCLUDED)
6. PROVIDE HOT WATER CIRCULATION SYSTEMS PER THE PLANS AND SPECIFICATIONS. CIRCULATING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION C404.7 AND SHALL BE CAPABLE OF PERFORMING THE SPECIFIED SEQUENCE OF OPERATIONS. INSULATE ALL HEATED WATER CIRCULATION PIPE MINIMUM 1" THICKER THAN THE VALUES LISTED IN TABLE C403.10.3.
7. INSULATE PLUMBING PIPE PER THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND PER SECTION C403.10.3 AND PER TABLE C403.2.9.

TABLE C403.10.3 – MINIMUM PIPE INSULATION THICKNESS (INCHES)

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
	CONDUCTIVITY BTU x IN/(H x FT² x °F)	MEAN RATING TEMPERATURE, °F	<1"	1" TO < 1-1/2"	1-1/2" TO < 4"	4" TO <8"	≥8"
>350	0.32–0.34	250	4.5	5.0	5.0	5.0	5.0
251–350	0.29–0.32	200	3.0	4.0	4.5	4.5	4.5
201–250	0.27–0.30	150	2.5	2.5	2.5	3.0	3.0
141–200	0.25–0.29	125	1.5	1.5	2.0	2.0	2.0
105–140	0.21–0.28	100	1.0	1.0	1.5	1.5	1.5
40–60	0.21–0.27	75	0.5	0.5	1.0	1.0	1.0
<40	0.20–0.26	75	0.5	1.0	1.0	1.0	1.5

NOTE: REFER TO 2018 WSEC FOR TABLE FOOTNOTES.

8. PROVIDE BALANCING DEVICES IN ALL CIRCULATING WATER BRANCH PIPE RUNS TO FIXTURES AND OUTLETS AS REQUIRED BY SECTION C408.2.2.2, EXCLUDING ANY EXCEPTIONS, AND AS INDICATED ON THE CONTRACT DOCUMENTS. PROVIDE ALL BALANCING DEVICES NEEDED TO ADJUST EQUIPMENT TO THE DESIGN FLOW VALUES INDICATED ON THE PLANS AND SCHEDULES.
9. PROVIDE ISOLATION VALVES FOR ALL EQUIPMENT CONNECTED TO FLUID PIPING.
10. PROVIDE ELECTRIC HOT WATER HEATERS WITH MINIMUM R-10 INSULATION PAD UNDER THE TANK PER SECTION C404.5 OF THE WSEC.
11. PROVIDE BALANCING DEVICES IN ALL BRANCH DUCTS AND PIPE RUNS TO TERMINAL DEVICES AS REQUIRED BY SECTION C408.2.2.2 OF THE WSEC AND AS INDICATED ON THE CONTRACT DOCUMENTS.
12. RECORD DRAWINGS SHALL BE PROVIDED TO THE OWNER AS REQUIRED BY SECTION C103.6.1 OF THE WSEC. THE DRAWINGS SHALL INDICATE THE LOCATION AND PERFORMANCE DATA OF EQUIPMENT, GENERAL CONFIGURATION OF DUCTWORK AND PIPING DISTRIBUTION SYSTEMS, INCLUDING FLOW RATES AS A MINIMUM.
13. OPERATION AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE OWNER AS SPECIFIED AND PER SECTION C103.6.2 OF THE WSEC.
14. PLUMBING SYSTEMS SHALL BE BALANCED AS REQUIRED BY SECTION C408.2.2 OF THE WSEC.
15. CONTRACTOR SHALL PROVIDE COMMISSIONING AND REPORT OF COMMISSIONING SHALL BE SUBMITTED TO THE OWNER AS REQUIRED BY SECTION C408. COMMISSIONING SHALL CONSIST OF A COMMISSIONING PLAN, BALANCING, FUNCTIONAL PERFORMANCE TESTING, POST CONSTRUCTION COMMISSIONING, TRAINING, REPORTS AND ACCEPTANCE. SUBMIT COMMISSIONING COMPLIANCE CHECKLIST TO BUILDING OFFICIAL UPON COMPLETION. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
16. MOTOR EFFICIENCY SHALL NOT BE LESS THAN THE MINIMUM AS REQUIRED BY SECTION C405.8 FOR FULL LOAD EFFICIENCIES.

2018 WSPC (UPC AMENDMENTS) NOTES

1. PROVIDE HANGERS AND SUPPORTS FOR ALL PIPE AND EQUIPMENT. HANGER ROD SIZES SHALL COMPLY WITH TABLE 313.6 AND SUPPORTS SHALL COMPLY WITH TABLE 313.3. OF THE 2018 WSPC.
2. ALL WASTE AND VENT PIPING SHOWN ON PLAN SHALL BE INSTALLED AT 1/4" PER LF OR 2% SLOPE IF NOT OTHERWISE NOTED ON PLAN. SHALLOWER SLOPES SHALL ONLY BE INSTALLED WITH WRITTEN PERMISSION OF THE ENGINEER OF RECORD AND WITH APPROVAL BY THE AHJ.
3. PROVIDE CLEANOUTS FOR STORM DRAINAGE THAT COMPLY WITH SECTION 1101.13.
4. AIR ADMITTANCE VALVES SHALL ONLY BE PROVIDED WHERE SPECIFICALLY SHOWN ON THE APPROVED PLUMBING PERMIT PLANS AND AS APPROVED BY THE AHJ.
5. VENTS THAT EXTEND THROUGH THE ROOF SHALL TERMINATE NO LESS THAN 6" ABOVE THE ROOF LINE AND AT LEAST 12" FROM ANY VERTICAL SURFACE. VENTS SHALL NOT TERMINATE WITHIN 10 FT. OF A MECHANICAL AIR INTAKE OR OPENING INTO THE BUILDING.
6. ALL PIPE, TUBE, FITTINGS SOLVENT CEMENT, SEALANTS AND SOLDER/FLUX USED IN POTABLE WATER SYSTEMS SHALL COMPLY WITH NSF 61 PER SECTION 604.1 AND PER TABLE 604.1 (NOT INCLUDED)
7. ALL MATERIALS AND EQUIPMENT INTENDED TO CONVEY POTABLE WATER FOR USE BY HUMANS SHALL NOT EXCEED THE LEAD CONTENT MAXIMUMS LISTED IN SECTION 604.2.
8. IN BUILDINGS WITH BOTH POTABLE AND NON-POTABLE WATER, THE PIPE SHALL BE IDENTIFIED TO DIFFERENTIATE THE TWO PER SECTION 601.3. REFER ALSO TO THE REQUIREMENTS OF THE SPECIFICATIONS.
9. PROVIDE CLEANOUTS AS SHOWN ON PLAN AND, AT A MINIMUM, TO COMPLY WITH THE REQUIREMENTS OF SECTION 707.0.
10. PROVIDE SUDS RELIEF ARRANGEMENT OF PIPE PER SECTION 711.1 WHERE SUDS PRODUCING FIXTURES DISCHARGE INTO A RISER SERVING 3 OR MORE STORIES.
11. PROVIDE ALL HOT WATER HEATING DEVICES WITH PRESSURE AND TEMPERATURE LIMITING SAFETY DEVICES PER SECTION 504.4 AND 504.5.
12. THE POTABLE WATER SYSTEM SHALL BE DISINFECTED PRIOR TO USE. THE PIPE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL POTABLE WATER APPEARS AT ALL OUTLET POINTS. THE SYSTEM SHALL THEN BE FILLED WITH A WATER-CHLORINE SOLUTION PER SPC 609.9(2) AND THEN THE SYSTEM SHALL BE FLUSHED PER SPC 609.9(3).

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RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2 1-30-26

REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
PLUMBING LEGEND,NOTES AND INDEX

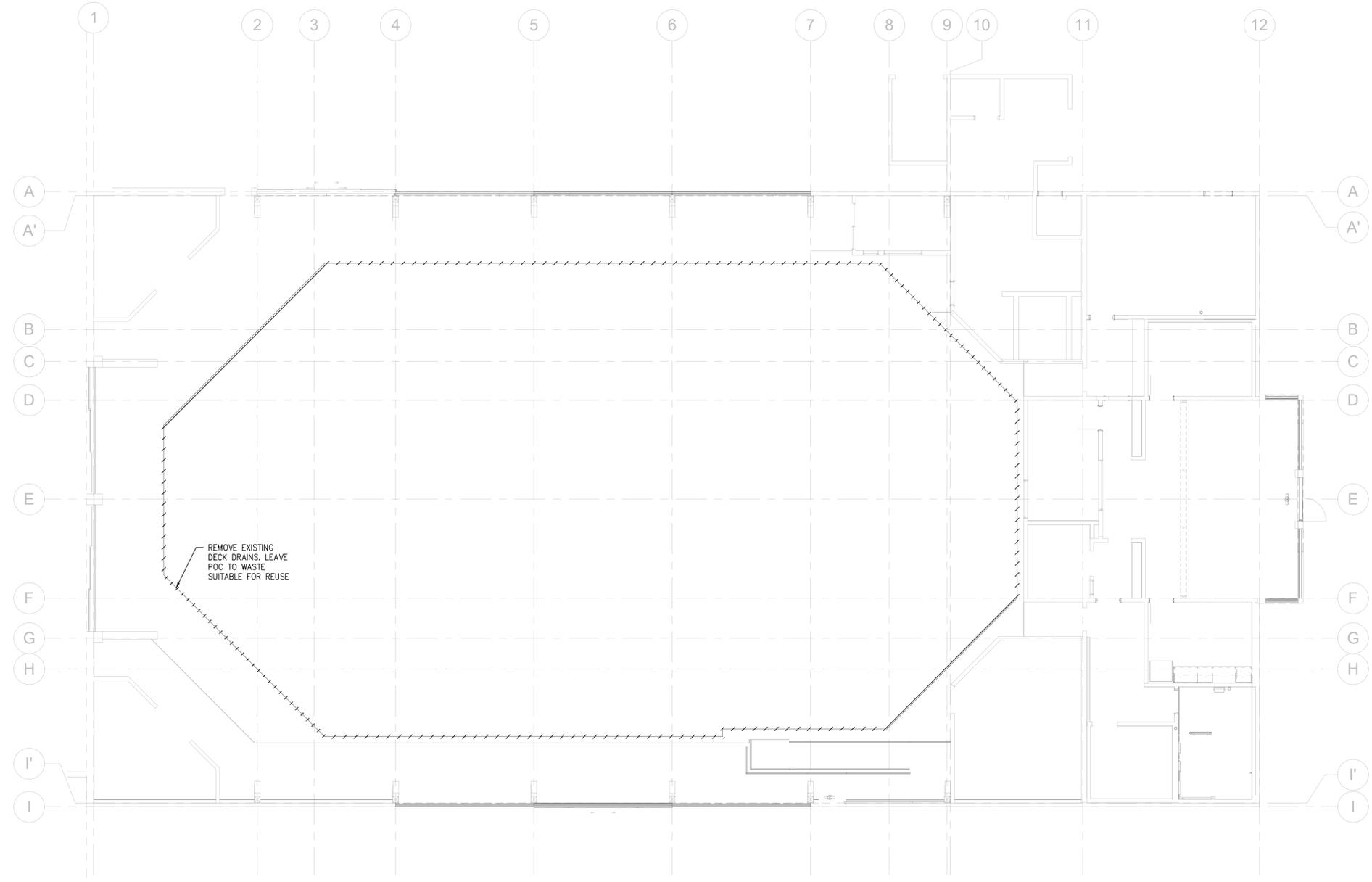
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BID SET PHASE 2



SHEET NOTES:

1. PIPING IS DIAGNAMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



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PROJECT ARCHITECT
PROJECT MANAGER
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FOUNDATION PLUMBING DEMOLITION PLAN

PD1.0
2208

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1 FOUNDATION PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"





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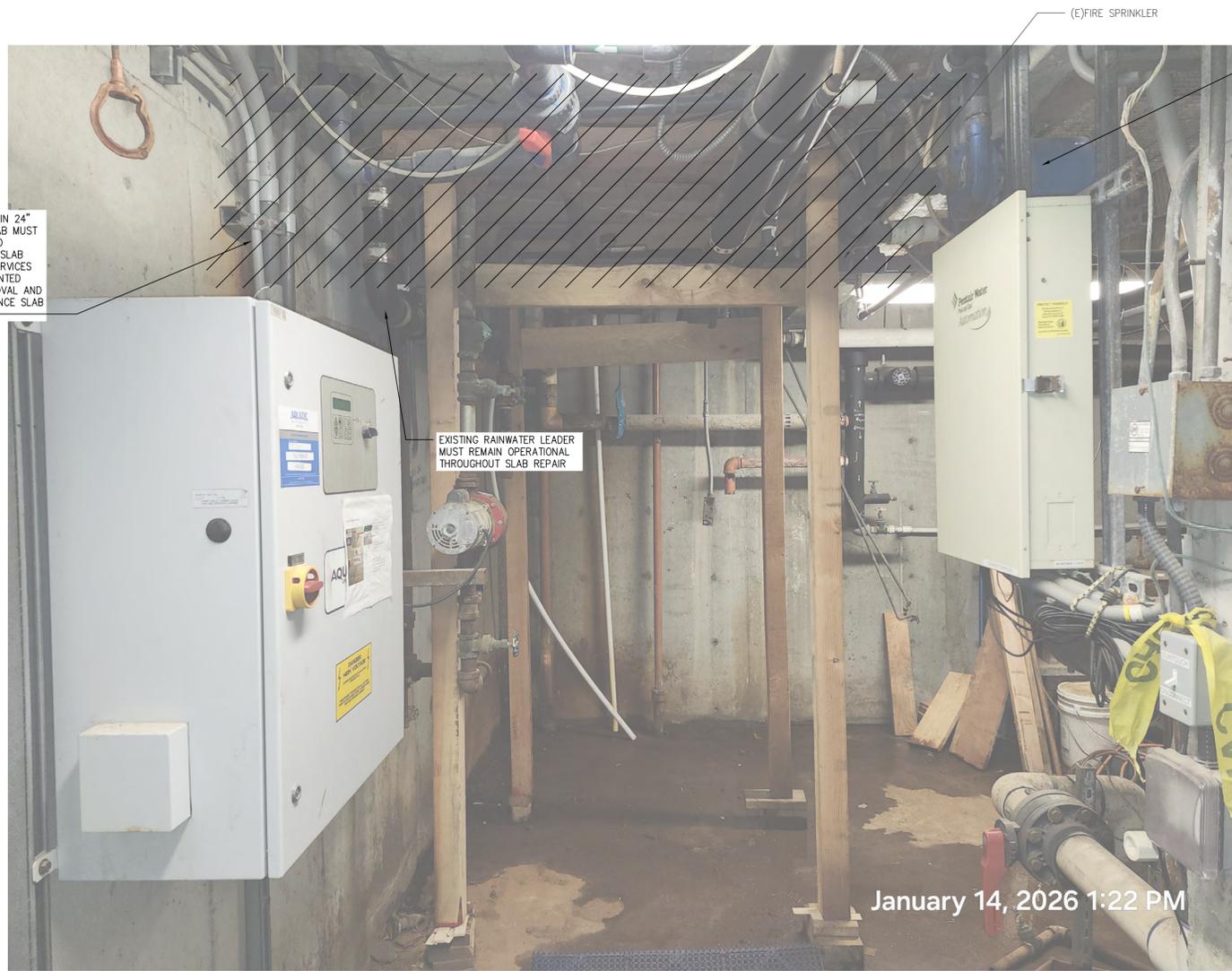
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PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
PLUMBING DEMOLITION PHOTOS

PD2.0
2208

BID SET PHASE 2



ALL PIPES WITHIN 24"
BELOW THE SLAB MUST
BE REMOVED TO
ACCOMMODATE SLAB
REPAIR. ALL SERVICES
TO BE DOCUMENTED
PRIOR TO REMOVAL AND
REINSTALLED ONCE SLAB
IS REPAIRED

EXISTING RAINWATER LEADER
MUST REMAIN OPERATIONAL
THROUGHOUT SLAB REPAIR

(E) FIRE SPRINKLER

EXISTING POOL WATER
TREATMENT PUMP. SHOULD
REMAIN IN PLACE. REMOVE
ASSOCIATED PIPE AS
NEEDED FOR SLAB REPAIR

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1 MECHANICAL ROOM DEMOLITION
PD2.1 SCALE: NTS

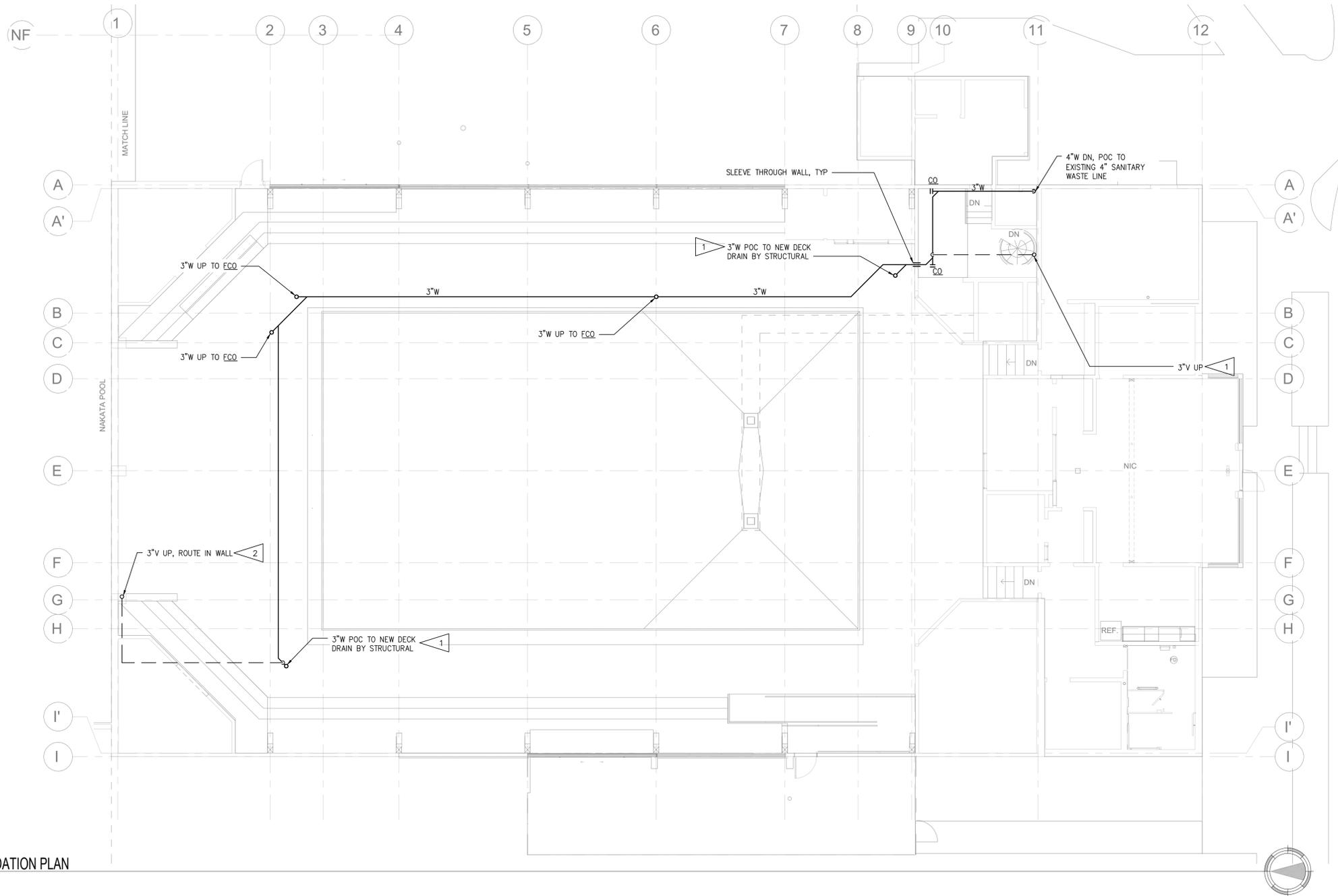


SHEET NOTES:

1. PIPING IS DIAGNAMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.

SHEET KEYNOTES:

1. THESE DRAINS AND VENTS ARE PART OF A CIRCUIT VENT THAT COLLECTS THE THREE DRAINS/SUMPS WHERE THE DECK DRAINS SLOPE TO.
2. EACH SUMP IS PROVIDED WITH AN INDIVIDUAL P-TRAP AND SHALL BE CONNECTED INTO THE MAIN DRAIN BRANCH WITH A HORIZONTAL WYE FITTING PER UPC.



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PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
FOUNDATION PLUMBING PLAN

P1.0
2208

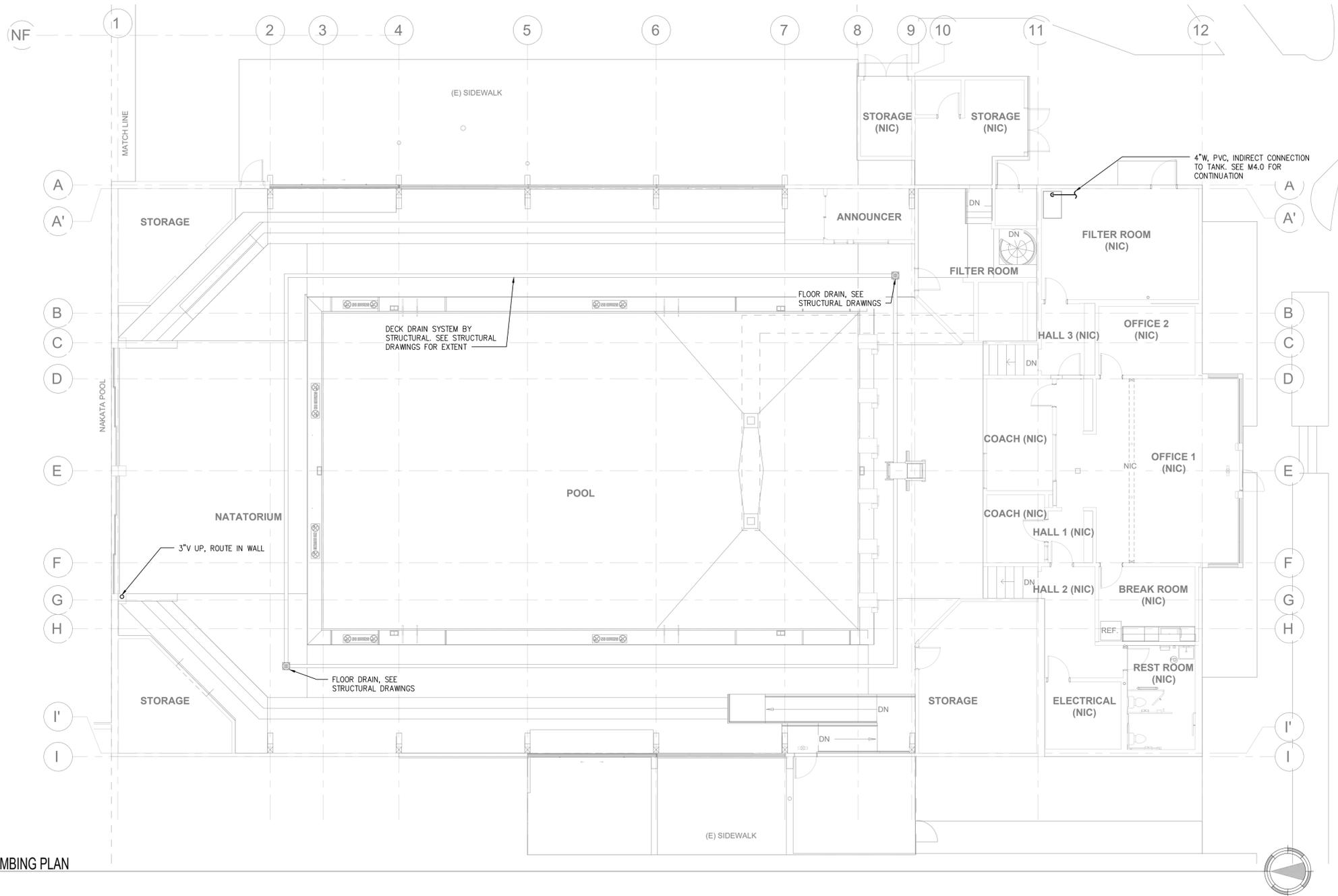
BID SET PHASE 2

1 PLUMBING FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



SHEET NOTES:

- PIPING IS DIAGNAMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



1 FIRST FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"

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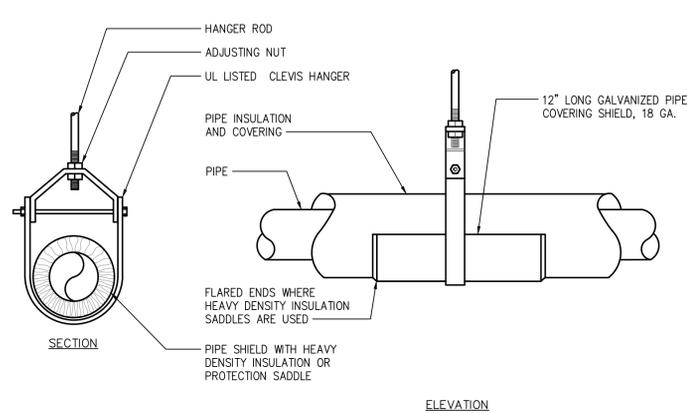
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#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
FIRST FLOOR PLUMBING PLAN

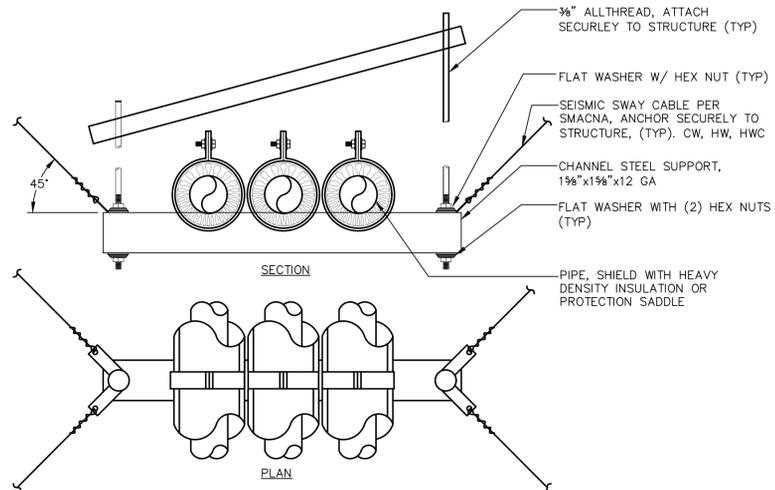
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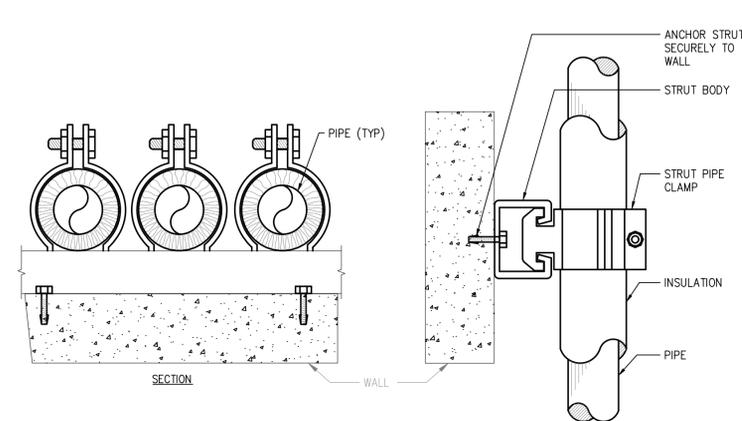


NOTE: HANGER SHALL NOT CUT INTO INSULATION

1 PIPE SUPPORT CLEVIS
P3.1 SCALE: NTS



2 PIPE SUPPORT TRAPEZE
P3.1 SCALE: NTS



3 PIPE SUPPORT WALL MOUNT
P3.1 SCALE: NTS



REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
PLUMBING DETAILS

MECHANICAL LEGEND

MECHANICAL ABBREVIATIONS:	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AC		PIPE ELBOW DOWN		BACKDRAFT DAMPER
AFF		PIPE ELBOW UP		FIRE DAMPER
ASHRAE		FLANGE		FIRE AND SMOKE DAMPER
		FLEX CONNECTION		VOLUME DAMPER, MANUAL
BDD		TEE OUTLET UP		MOTOR OPERATED DAMPER
BFF		TEE OUTLET DOWN		DUCT OFFSET DOWN IN FLOW DIRECTION
BTUH		AUTOMATIC AIR VENT		DUCT OFFSET UP IN FLOW DIRECTION
CD		BALL VALVE		DUCT WITHOUT SOUND LINING
CFM		BALANCING VALVE		DUCT WITH INTERNAL ACOUSTICAL LINING
CIRC		BUTTERFLY VALVE		SINGLE LINE DUCT WITH INTERNAL LINING
CO		CHECK VALVE		FLEXIBLE CONNECTION OR FLEXIBLE DUCT
COND		GATE VALVE		FLEXIBLE DUCT
COORD		GLOBE VALVE		TRANSITION - RECTANGULAR TO ROUND
CW		PIPE SIZE REDUCTION		90° ROUND ELBOW (R/D OR R/W=1.5)
DEG		PIPE CAP		RECTANGULAR ELBOW WITH TURNING VANES
DIA		DIRECTION OF FLOW		SUPPLY AIR DUCT UP
DN		BREAK IN PIPE OR DUCT		SUPPLY AIR DUCT DOWN
DWG		CLEARANCE REQUIREMENT		SUPPLY DIFFUSER OR GRILLE
E		WORK TO BE REMOVED		LINEAR DIFFUSER
EA		REVISION CLOUD		SUPPLY AIR OUTLET, SIDEWALL
EAT		EQUIPMENT ITEM XX		RETURN AIR DUCT UP
EG		DIFFUSER TAG WITH CFM AMOUNT		RETURN AIR DUCT DOWN
ESP		DUCT DIMENSION TAG X PLAN OR HORIZONTAL DIMENSION Y ELEVATION OR VERTICAL DIMENSION		RETURN AIR GRILLE
EWT		FLAG NOTE		RETURN AIR INLET, SIDEWALL
EXIST		REVISION NOTE		EXHAUST DUCT UP
F		DETAIL OR SECTION CALLOUT		EXHAUST DUCT DOWN
FCO		SECTION CUT LINE		EXHAUST AIR GRILLE
FD		LINE, ARCH. BACKGROUND		EXHAUST AIR OUTLET, SIDEWALL
FD		LIGHT LINE, EXISTING		THERMOSTAT
FLA		HEAVY LINE, NEW WORK		CARBON DIOXIDE SENSOR
FOIC		COLD WATER		SENSOR
FPM		HEATING WATER SUPPLY		HUMIDISTAT
FT		HEATING WATER RETURN		SWITCH
G		REFRIGERANT SUCTION		TIMER SWITCH
GA		REFRIGERANT LIQUID		
GAL		CONDENSATE DRAIN		
GPM		COMPRESSED AIR		
GRD				
HP				
HVAC				
HWR				
HWS				
IE				
IN				
KW				
LAT				
LWT				
MBH				
MCA				
MFG				
MIN				
MOD				
NC				
NIC				
NFPA				
NO				
NTS				
OA				
OAT				
QBD				
POC				
PSI				
RA				
RG				
RPM				
SA				
SD				
SEC				
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SPD				
SPEC				
SS				
TDH				
TPD				
TSP				
TYP				
V				
VD				
VTR				
WB				
W/				

MECHANICAL GENERAL NOTES

- THE CONTRACTOR'S SCOPE OF WORK SHALL CONSIST OF ALL WORK SHOWN ON THE DRAWINGS, INCLUDING PLANS, DIAGRAMS, DETAILS, ETC., AND ALL WORK AS IDENTIFIED IN THE SPECIFICATIONS. WORK INCLUDES FURNISHING, INSTALLING SYSTEM, INTEGRATION, TESTING, TRAINING AND WARRANTY OF THE MECHANICAL SYSTEMS AS SHOWN AND SPECIFIED.
- PROVIDE A COMPLETE AND OPERABLE MECHANICAL SYSTEM. THE SYSTEM SHALL BE PROVIDED COMPLETE WITH ALL MECHANICAL WORK AS REQUIRED FOR SYSTEM OPERATION PER THE SEQUENCE OF OPERATIONS.
- ALL MECHANICAL WORK SHALL COMPLY WITH LOCAL CODES AND REGULATIONS. WHERE WORK SHOWN IS IN CONFLICT WITH THE LOCAL CODE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF THE CONFLICT AND WAIT FOR WRITTEN RESOLUTION PRIOR TO PROCEEDING. WHERE WORK IS SHOWN TO BE ABOVE AND BEYOND THE REQUIREMENTS OF THE CODE, PROVIDE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
- THE DESIGN OF MECHANICAL SYSTEMS HAS BEEN BASED UPON THE EQUIPMENT AS MANUFACTURED BY THE MANUFACTURERS LISTED ON THE EQUIPMENT SCHEDULES OR IN THE SPECIFICATIONS. EQUIPMENT NAMED IN THE SPECIFICATIONS MAY BE SUBSTITUTED PROVIDED THAT THE EQUIPMENT MEETS OR EXCEEDS ALL SCHEDULED AND SPECIFIED CRITERIA AND HAS THE PRIOR WRITTEN APPROVAL OF THE ENGINEER. COORDINATE REVISIONS TO THE INSTALLATION WITH ALL TRADES AND GUARANTEE IN WRITING THAT NO ADDITIONAL COST WILL BE INCURRED DUE TO PRODUCT SUBSTITUTION.
- CONTRACTOR SHALL FIELD VERIFY ALL BUILDING AND SITE DIMENSIONS BEFORE BEGINNING CONSTRUCTION OR ORDERING EQUIPMENT. DO NOT SCALE FROM PLANS. PLANS PROVIDED ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED OFFSETS, TRANSITIONS, OR CHANGES IN DIRECTION. PROVIDE ALL OFFSETS REQUIRED.
- DUCT SIZES SHOWN ON PLAN ARE INTENDED TO INDICATE THE REQUIRED INTERIOR FREE AND CLEAR DIMENSIONS OF THE AIR STREAM. COORDINATE ACTUAL DUCT OUTER DIMENSIONS WITH REQUIREMENTS FOR HANGERS, SUPPORTS, THERMAL AND ACOUSTICAL INSULATION.
- CONTRACTOR SHALL COORDINATE ALL MECHANICAL WORK WITH OTHER TRADES AND SUBCONTRACTORS PRIOR TO INSTALLATION OF ANY WORK BY ANY TRADES. DURING COORDINATION EFFORTS DUCT ROUTING SHALL TAKE PRECEDENCE OVER PLUMBING PIPE AND FIRE SPRINKLER WORK. PROVIDE SHOP DRAWINGS FOR REVIEW BY ENGINEER PRIOR TO INSTALLATION AND FABRICATION TO DOCUMENT THE RESULTS OF THE COORDINATION.
- PENETRATIONS THROUGH ROOF OR EXTERIOR WALLS SHALL BE SEALED WEATHER TIGHT. PENETRATIONS THROUGH CEILING OR INTERIOR WALLS SHALL BE SEALED SUBSTANTIALLY AIRTIGHT. BELOW GRADE WALLS OR SLABS SHALL BE SLEEVED AND SEALED WATERTIGHT. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE TREATED TO MEET OR EXCEED THE FIRE RATINGS OF SUCH WALLS.
- CONFINE THE APPLICATION OF FLEXIBLE DUCTWORK TO LOCATIONS INDICATED BY THE CONTRACT DOCUMENTS. MAXIMUM LENGTH OF FLEXIBLE DUCTWORK SHALL NOT EXCEED SIX FEET WHERE ALLOWED BY THE CONTRACT DOCUMENTS.
- PROVIDE ALL REQUIRED ELECTRICAL POWER, MOTOR STARTERS, DISCONNECTS, MOTOR CONTROL INTERFACES, CONTROL SWITCHES, AND CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION AND TO EXECUTE THE SEQUENCE OF OPERATIONS. COORDINATE LINE VOLTAGE WORK REQUIREMENTS WITH THE JOBSITE ELECTRICAL CONTRACTOR.
- PROVIDE ALL REQUIRED EQUIPMENT GUARDS AND STRUCTURAL SUPPORTS AS RECOMMENDED BY EQUIPMENT MANUFACTURERS TO SUPPORT EQUIPMENT AND TO ASSURE SYSTEM PERFORMANCE AND SAFE OPERATION. COORDINATE PRIOR TO INSTALLATION.
- PROVIDE ACCESS PANELS AS REQUIRED TO MAINTAIN EQUIPMENT, ACCESS VALVES, AND DUCT ACCESSORIES. COORDINATE FIRE RATING OF SUCH PANELS WITH THE ARCHITECTURAL DOCUMENTS. ACCESS PANELS SHALL BE MINIMUM SIZE REQUIRED TO SERVICE EQUIPMENT PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. IF NO MINIMUM SIZE IS GIVEN THE PANEL SHALL BE NO SMALLER THAN 12" X 12" IN SIZE.
- COORDINATE LOCATION OF ALL THERMOSTATS, AND ALL WALL MOUNTED EQUIPMENT, WITH THE ARCHITECT. THE LOCATIONS AS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS. IF NOT SHOWN ON ARCHITECTURAL ELEVATIONS, MOUNT WITH TOP OF EQUIPMENT NO HIGHER THAN 44" ABOVE FINISHED FLOOR.
- PROVIDE UNIT SUPPORT PER MANUFACTURERS RECOMMENDATIONS. BUILDING AND STRUCTURE IS DESIGNED TO SUPPORT EQUIPMENT, BUT NOT DETAILED TO ACCOMMODATE EACH AVAILABLE EQUIPMENT CONFIGURATION OR MANUFACTURER. CONTRACTOR SHALL PROVIDE MATERIALS AND SERVICES INCLUDING BUT NOT LIMITED TO, ADDITIONAL STEEL, SUPPORT BRACKETS, HANGERS, ACCESSORIES, AND STRUCTURAL ENGINEERING AS REQUIRED TO SUPPORT EQUIPMENT.
- PROVIDE FRAMING, CUTTING, BLOCKING AND PATCHING AS REQUIRED.
- SEAL ALL DUCT JOINTS AND SEAMS WITH DUCT MASTIC. WHERE SEAMS ARE EXPOSED OR WILL BE VISIBLE TO THE OCCUPANT MASTIC SHALL BE APPLIED USING METHODS WHICH LEAVE THE RESULTING SEAL CLEAN AND TIDY. COORDINATE WITH ARCHITECTURAL SCOPE IF DUCTS ARE TO BE PAINTED AND TREAT DUCT SEALS APPROPRIATELY.
- PROVIDE MINIMUM 1" THICK ACOUSTICAL INSULATION AT THE FOLLOWING LOCATIONS: 1) DUCT WORK WITHIN 10' OF THE FAN; 2) MIXED AIR AND ECONOMIZER PLENUMS; 3) PLENUMS UPSTREAM OF RETURN FANS; 4) TRANSFER AIR DUCTS; AND 5) AS SHOWN ON THE DRAWINGS.
- PROVIDE VOLUME DAMPERS AT EACH GRILLE, REGISTER, OR DIFFUSER SHOWN ON PLAN. PROVIDE AT BRANCH DUCTS AS SHOWN ON THE PLANS. VOLUME DAMPERS SHOWN AT SOME, BUT NOT ALL, LOCATIONS ON PLAN DOES NOT WAIVE THIS REQUIREMENT. LOCATE DAMPER OPERATOR IN AN ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL OR REMOTE ACTUATION IF ABOVE HARD-LID. FLAG EACH CONCEALED VOLUME DAMPER WITH MIN 12" LONG ORANGE TAPE UPON INSTALLATION SO THEY MAY BE EASILY IDENTIFIED.
- MAINTENANCE PROVISIONS: PROVIDE FLANGES OR UNIONS AT ALL PIPE CONNECTIONS TO EQUIPMENT TO ALLOW FOR REMOVAL OR DISASSEMBLY FOR MAINTENANCE.
- PROVIDE PRESSURE AND TEMPERATURE TEST PORTS AT THE SUPPLY AND RETURN OF EACH PIECE OF EQUIPMENT.
- REFRIGERANT PIPE SIZES SHOWN ON PLAN ARE FOR REFERENCE ONLY. REFRIGERANT PIPING SHALL BE SIZED AND INSTALLED PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. REFRIGERANT PIPE SHALL BE INSTALLED INSULATED FOR ITS ENTIRE LENGTH.
- WHERE SPLIT SYSTEM EQUIPMENT REQUIRES CONTROL OR POWER WIRING BETWEEN INDOOR AND OUTDOOR UNITS THE MECHANICAL CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE THE REQUIRED CONDUIT, WIRE, AND SHALL COORDINATE AND PAY FOR THE SUPPORT OF THE JOBSITE ELECTRICIAN FOR ANY LINE/HIGH VOLTAGE WORK REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE SELF-REGULATING HEAT TRACE TO ALL PIPE EXPOSED TO FREEZING CONDITIONS. INSULATE ABOVE HEAT TRACE WITH A MINIMUM OF 1.5" THICK INSULATION. INSULATION SHALL BE SUITABLE FOR THE APPLICATION AND ENVIRONMENTAL CONDITIONS.
- WHERE NON-METAL PIPE IS INSTALLED UNDERGROUND PROVIDE INSULATED TRACER WIRE ALONG THE PIPE'S PATH. THE TRACER WIRE SHALL BE SUITABLE FOR DIRECT BURIAL AND TERMINATE ABOVE GRADE ON BOTH ENDS OF THE PIPE RUN.

APPLICABLE CODES

- 2018 WASHINGTON STATE BUILDING CODE
- 2018 WASHINGTON STATE ENERGY CODE
- 2018 WASHINGTON STATE MECHANICAL CODE

MECHANICAL INDEX

- M0.1 MECHANICAL GENERAL NOTES AND LEGEND
- M0.2 ENERGY AND MECHANICAL CODE NOTES
- M0.3 MECHANICAL POOL SCHEDULES
- MD1.0 BASEMENT FLOOR MECHANICAL DEMOLITION PLAN
- MD2.0 BASEMENT AND POOL PLUMBING DEMOLITION PLAN
- MD2.1 FIRST FLOOR MECHANICAL DEMOLITION PLAN
- MD3.0 MECHANICAL DEMOLITION PHOTOS
- MD3.1 MECHANICAL DEMOLITION PHOTOS
- MD3.2 MECHANICAL DEMOLITION PHOTOS
- MD3.3 MECHANICAL DEMOLITION PHOTOS
- M2.0 MECHANICAL FOUNDATION PLAN
- M3.0 BASEMENT FLOOR PIPING PLAN
- M4.0 FIRST FLOOR PIPING PLAN
- M5.0 FILTER ROOM VIEWS AND SECTIONS
- M6.1 POOL DETAILS
- M7.0 MECHANICAL DIAGRAMS

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RICHARD TERRY
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1-30-24

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PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
MECHANICAL GENERAL NOTES AND LEGEND

M0.1
2208

BID SET PHASE 2

PUMPS SCHEDULE													
EQUIP ID	LOCATION	SERVES	CAPACITY			DESCRIPTION	TYPE				BASIS OF DESIGN		REMARKS
			FLOW: GPM	TDH: FT	EFF: %		SPEED: RPM	MAX BHP	MOTOR HP	VOLT/ PHASE	MANUFACTURER	MODEL	
(E) P-1	FILTER ROOM	POOL WATER LOOP	525	60	76.67	EXISTING MAIN PUMP	--	10.45	15	208/3	GRUNDFOS	L.C. 30957	
(E) P-2	MECH ROOM	EXISTING CHLORINE LOOP	--	--	--	EXISTING CHLORINE PUMP	--	--	--	--	--	--	
(E) P-3	MECH ROOM	EXISTING HEATED LOOP	--	--	--	EXISTING HEATING LOOP PUMP	--	--	--	--	--	--	
P-4	FILTER ROOM	SALINE WATER LOOP	80	10	--	CL GENERATOR SYSTEM PUMP	1725		1/4	115/1	TACO	121 IN-LINE CIRCULATORS	
(E) P-5	MECH ROOM	EXISTING SOLAR LOOP	--	--	--	EXISTING SOLAR LOOP PUMP	--	--	--	--	--	--	
(E) P-6	MECH ROOM	EXISTING SOLAR LOOP	--	--	--	EXISTING SOLAR LOOP PUMP	--	--	--	--	--	--	

NOTES:

CHLORINATOR SCHEDULE											
SYSTEM DESCRIPTION	MAKE/MODEL	CHLORINE PRODUCED IN 24 HR (LBS)	INLET/OUTLET FLOW RATE (GPM)	SKID DIMENSION	PIPE	MAX. RETURN LINE PRESSURE (PSI)	VOLTS	PHASE	MAX PRIMARY (AMP)	BREAKER (AMP)	REMARKS
CLGEN-1	NEXGEN 40-R	48	80	48" X 28" X 68"	SCHEDULE 40	25.0	208	1	32	60	1.0

REMARKS:
1. PROVIDE WITH A CIRCULATING PUMP. REFER TO THE PUMP SCHEDULE (P-4)

LOUVER SCHEDULE								
MARK	CFM	APPLICATION	FREE AREA (SQ. FT.)	FREE AREA AIR VELOCITY (FPM)	STATIC PRESSURE	LOUVER SIZE (IN.)	BASIS FOR DESIGN	REMARKS
L-1	26,400	INTAKE	79.80	331	0.02	204x96	GREENHECK ESD-435-204x96	1,2

REMARKS:
1. PROVIDE WITH MOTOR OPERATED DAMPERS FOR EACH PARTITIONED SECTION.
2. PROVIDE WITH STAINLESS STEEL BIRD AND INSECT SCREEN.

SAND FILTER SCHEDULE			
	F-1	F-2	F-3
DIAMETER, IN	34	34	34
MATERIAL	FIBER REINFORCED PLASTIC	FIBER REINFORCED PLASTIC	FIBER REINFORCED PLASTIC
CONFIGURATION	HORIZONTAL	HORIZONTAL	HORIZONTAL
STYLE	1-PIECE	1-PIECE	1-PIECE
AREA, SF	13.5	13.5	13.5
TOTAL FLOW, GPM	176.7	176.7	176.7
GPM/SF	13	13	13
WORKING PRESSURE, PSI	<5	<5	<5
CLEAN AT DIFFERENTIAL OF, PSI	10	10	10
MEDIA	SAND	SAND	SAND
PIPING	SCHE 80, PVC	SCHE 80, PVC	SCHE 80, PVC
MATERIAL	PVC	PVC	PVC
SIZE, IN	3	3	3
MODEL	PENTAIR THS 3461	PENTAIR THS 3461	PENTAIR THS 3461



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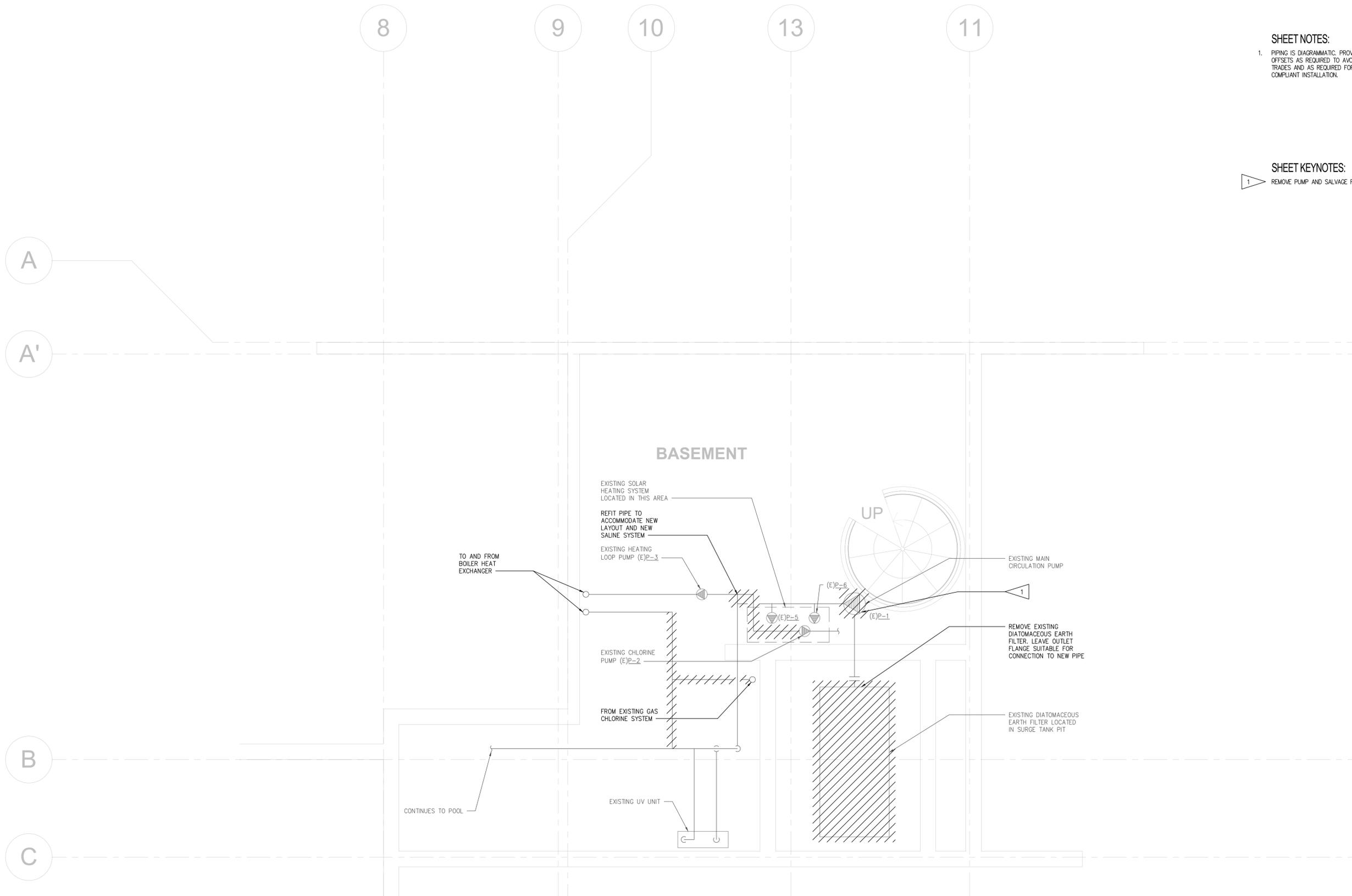
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PROJECT MANAGER
DRAWN
MECHANICAL POOL SCHEDULES

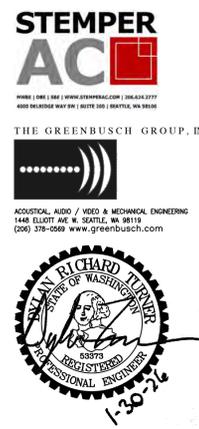
M0.3
2208

BID SET PHASE 2



SHEET NOTES:
 1. PIPING IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.

SHEET KEYNOTES:
 1 REMOVE PUMP AND SALVAGE FOR REUSE.



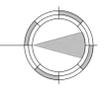
RAY WILLIAMSON POOL RENOVATION
 8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2	1-30-26
REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
BASEMENT FLOOR MECHANICAL DEMOLITION PLAN

MD1.0
 2208

1 BASEMENT MECHANICAL DEMOLITION PLAN
 SCALE: 1/2" = 1'-0"



BID SET PHASE 2

GENERAL NOTES:

- SCOPE OF DEMOLITION WORK IS DIAGRAMMATIC IN NATURE. THE PLANS DO NOT ATTEMPT TO SHOW EVERY EXISTING FITTING OR DEVICE IN A SYSTEM WHICH MAY REQUIRED DEMOLITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS, DIMENSIONS AND QUANTITIES. WHERE A SYSTEM OR DEVICE IS INDICATED FOR DEMOLITION IT IS THE CONTRACTOR'S RESPONSIBILITY TO FULLY DEMOLISH THE INDICATED SYSTEM, MAKING SAFE ANY ELECTRICAL CONNECTIONS, CAPPING OF PIPES/DUCTS THAT ARE NOT FULLY DEMOLISHED, PROTECTING SYSTEMS WHICH ARE TO REMAIN, AND FULLY DISPOSING OF ALL DEMOLISHED EQUIPMENT THAT HAS NOT BEEN SPECIFIED TO BE RETAINED/SALVAGED TO THE OWNER.

SHEET NOTES:

- PIPING IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.
- EXISTING CHLORINE GAS LINE RUNS THROUGH THESE SPACES. TAKE EXTREME CAUTION NOT TO DAMAGE.
- REMOVE PIPE ASSOCIATED WITH EXISTING FIXTURES. CAP WASTE, VENT, HOT, COLD, AND RECIRCULATION.



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RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2 1-30-26

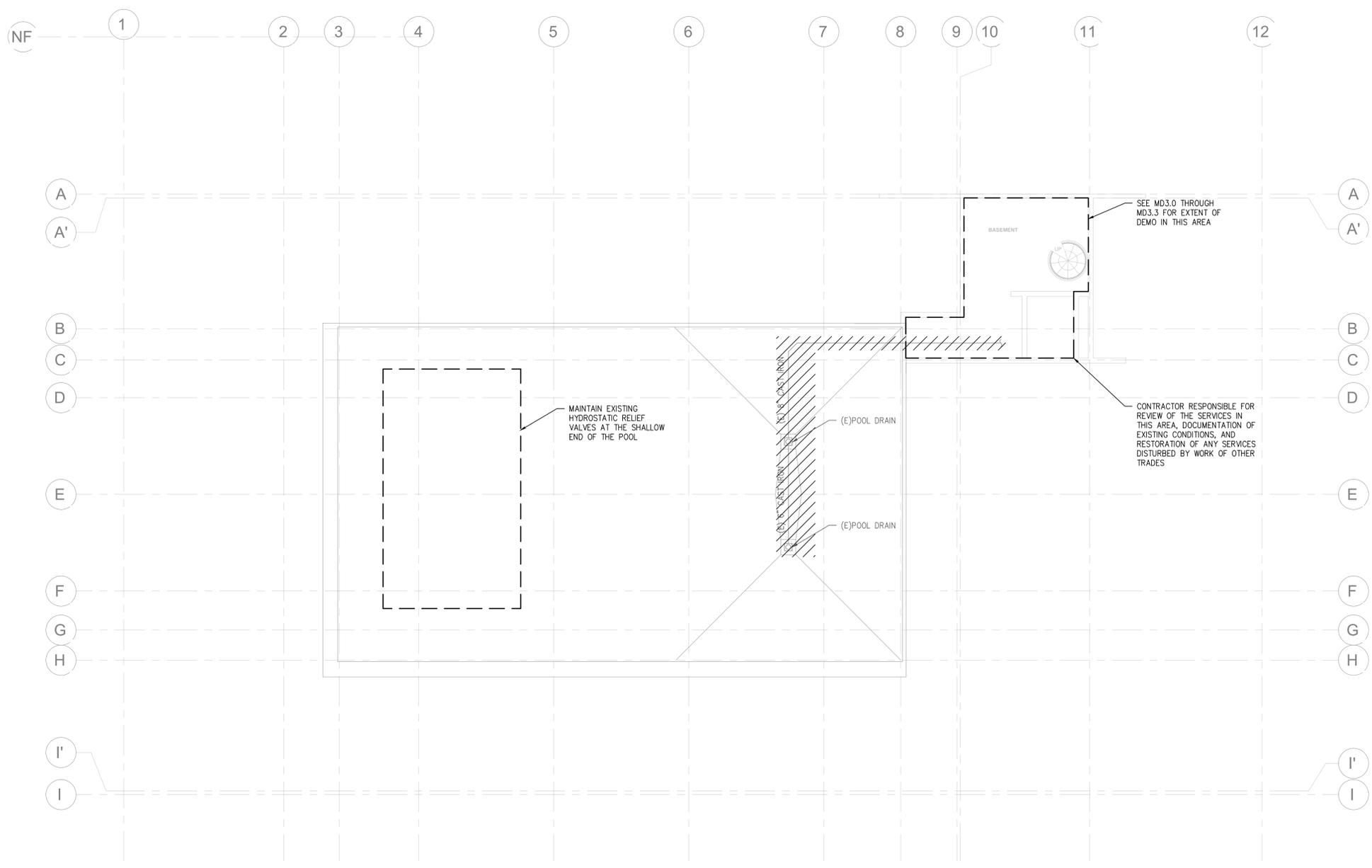
REVISIONS	
#	DATE
1	RFI #23 10-22-24

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN

BASEMENT AND POOL PLUMBING DEMOLITION PLAN

MD2.0
2208

BID SET PHASE 2

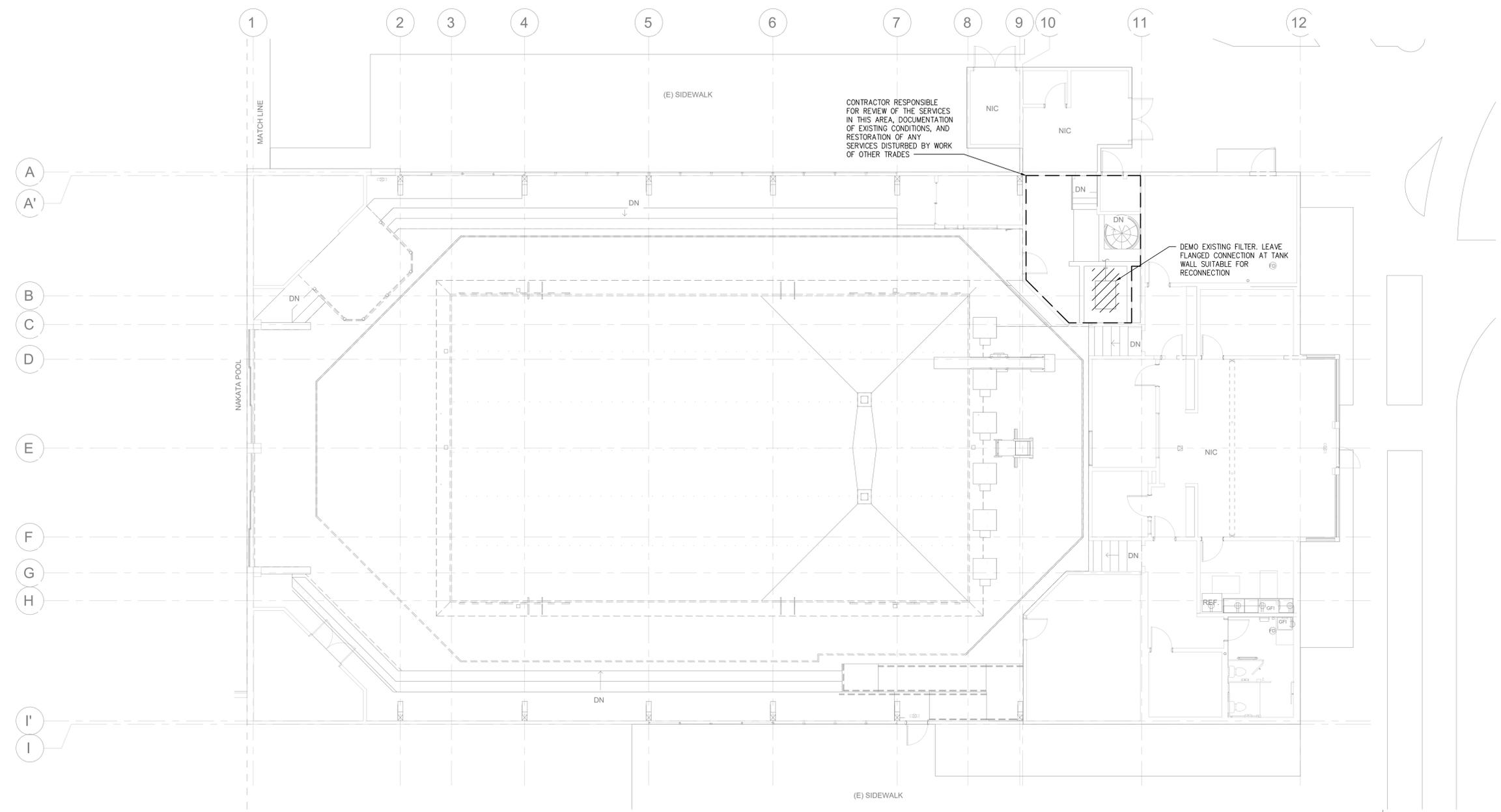


1 BASEMENT AND POOL PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



SHEET NOTES:

1. PIPING IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



1 FIRST FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"

RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2	1-30-26
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REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
FIRST FLOOR MECHANICAL DEMOLITION PLAN

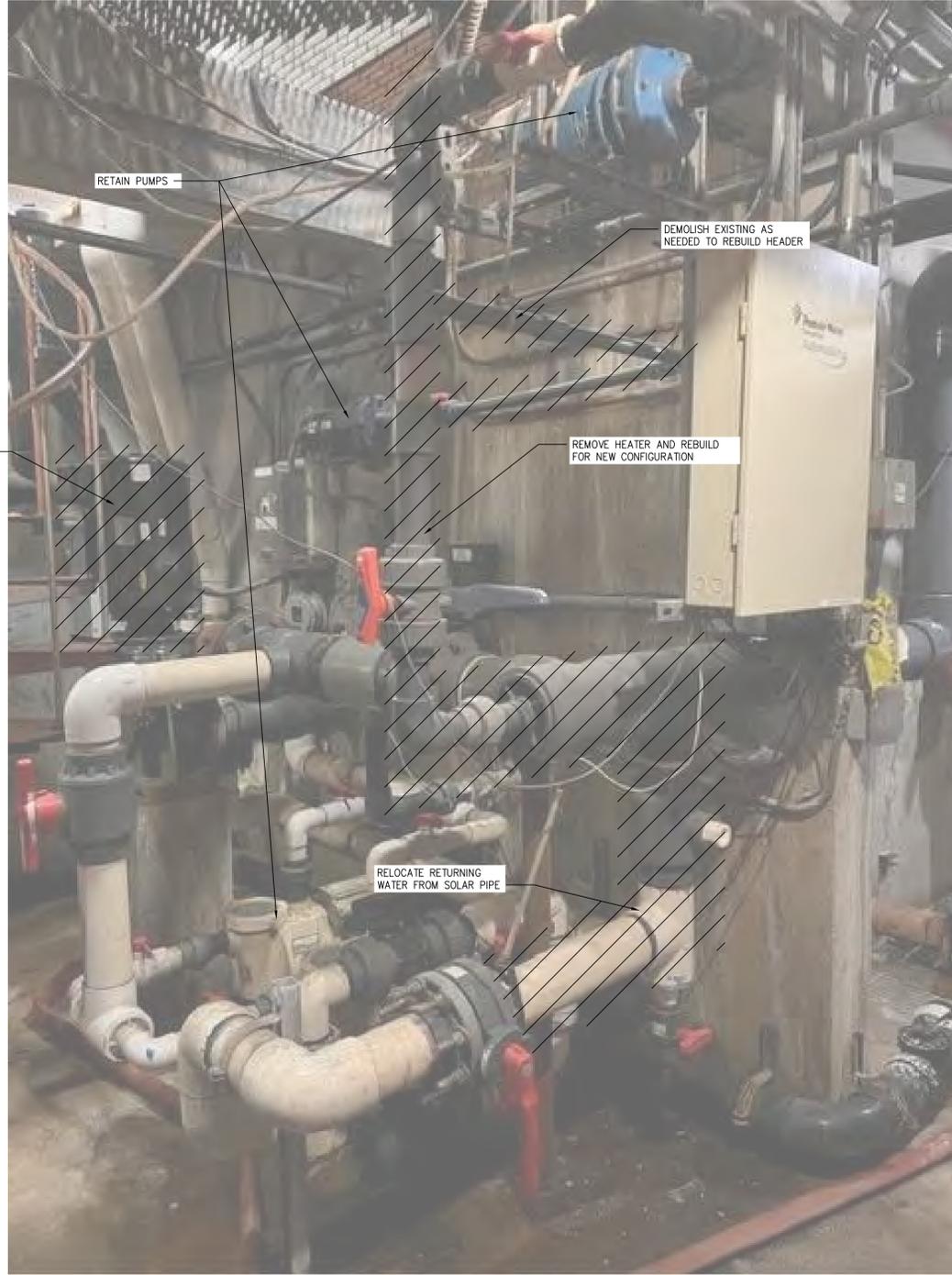
MD2.1
2208

BID SET PHASE 2

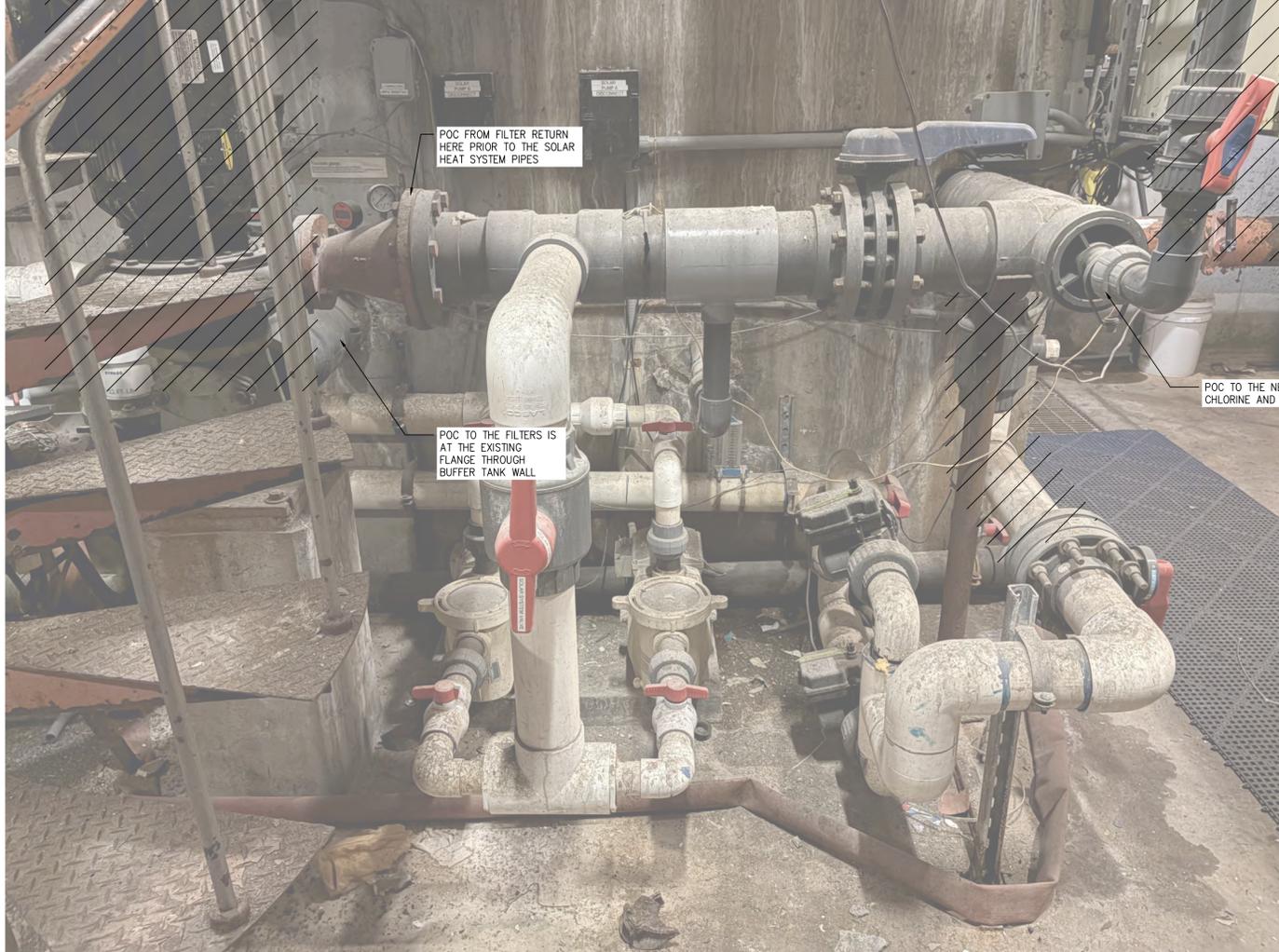


SHEET NOTES:

- PLEASE REFER TO SHEET M7.0 FOR THE EXTENT OF THE NEW PIPE AND WHERE THE SPECIFIC POINTS OF CONNECTION TO EXISTING ARE.
- CONTRACTOR RESPONSIBLE FOR DOCUMENTING THE AS BUILT CONDITIONS PRIOR TO DEMOLITION AND VERIFYING THE EXTENT OF DEMOLITION WITH THE CONTRACTOR INSTALLING THE NEW WORK.



1 BASEMENT DEMOLITION
MD3.0 SCALE: NTS



2 BASEMENT DEMOLITION
MD3.0 SCALE: NTS

RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2	1-30-26
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REVISIONS	
#	DATE

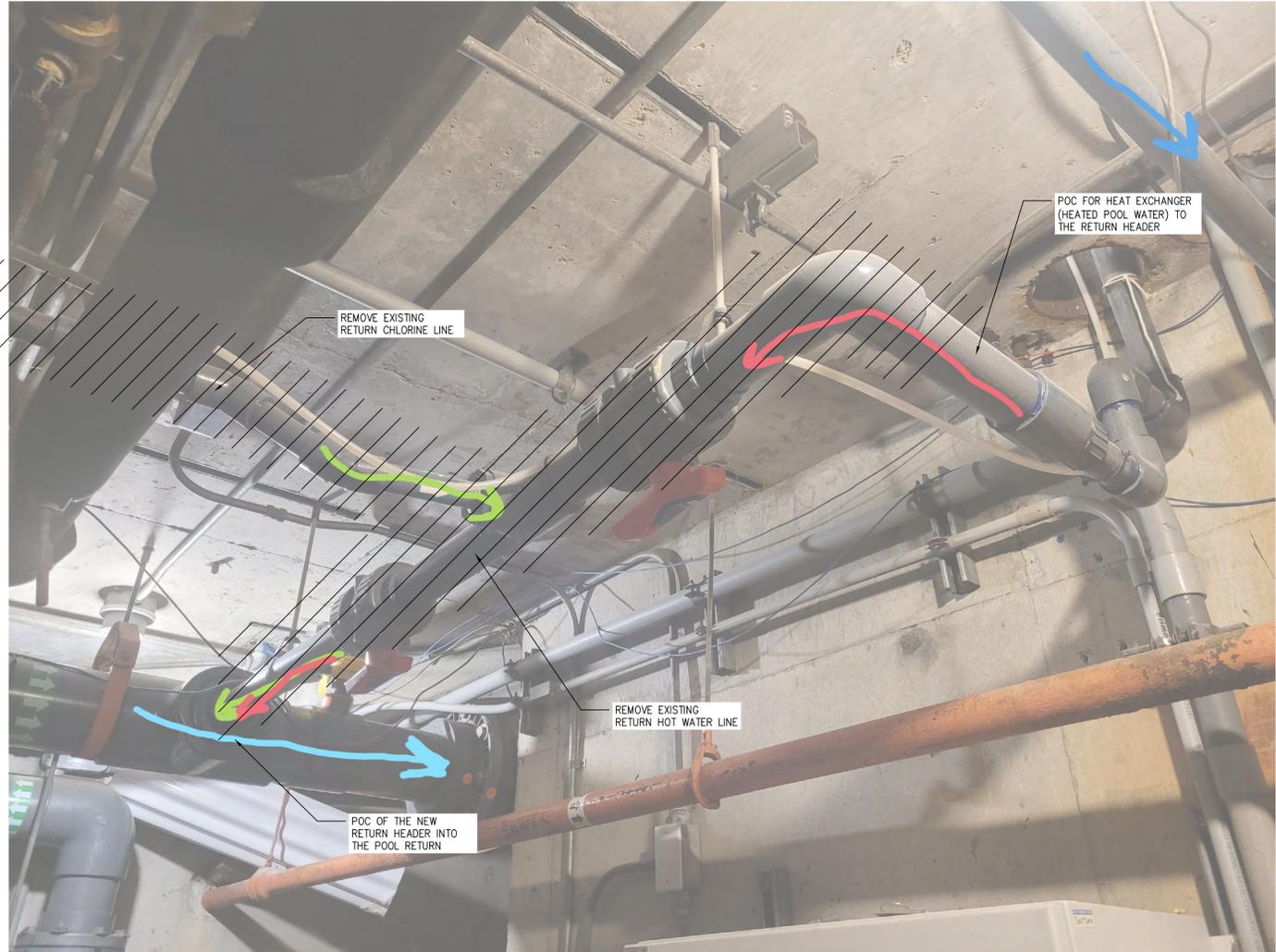
PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
MECHANICAL DEMOLITION PHOTOS

MD3.0
2208

BID SET PHASE 2



1 BASEMENT DEMOLITION
PD2.1 SCALE: NTS



2 BASEMENT DEMOLITION
PD2.1 SCALE: NTS

SHEET NOTES:

- PLEASE REFER TO SHEET M7.0 FOR THE EXTENT OF THE NEW PIPE AND WHERE THE SPECIFIC POINTS OF CONNECTION TO EXISTING ARE.
- CONTRACTOR RESPONSIBLE FOR DOCUMENTING THE AS BUILT CONDITIONS PRIOR TO DEMOLITION AND VERIFYING THE EXTENT OF DEMOLITION WITH THE CONTRACTOR INSTALLING THE NEW WORK.



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RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2 1-30-26

REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
MECHANICAL DEMOLITION PHOTOS

MD3.1
2208

BID SET PHASE 2



SHEET NOTES:

1. BOILER TO BE MOVED AND RE-INSTALLED AFTER COMPLETION OF STRUCTURAL WORK AT SLAB.
2. CONTRACTOR RESPONSIBLE FOR DOCUMENTING THE AS BUILT CONDITIONS PRIOR TO DEMOLITION AND VERIFYING THE EXTENT OF DEMOLITION WITH THE CONTRACTOR INSTALLING THE NEW WORK.



THIS PIPE SUPPORTED OFF OF SLAB THAT IS TO BE REPAIRED. PROVIDE TEMPORARY SUPPORT FOR THIS PIPE, OR REMOVE AND REPLACE AS IS. TYP OF TWO UNISTRUT SUPPORTS

(E)GAS REGULATOR BEHIND BOILER

(E)BOILER TO BE REMOVED AND REINSTALLED

(E)HEAT EXCHANGER



DISCONNECT FROM (E)BOILER HERE

ALL PIPES WITHIN 36" ABOVE THE SLAB MUST BE REMOVED TO ACCOMMODATE SLAB REPAIR. ALL SERVICES TO BE DOCUMENTED PRIOR TO REMOVAL AND REPLACED WITH NEW ONCE SLAB IS REPAIRED

1 MECHANICAL ROOM DEMOLITION
PD2.0 SCALE: NTS

2 MECHANICAL ROOM DEMOLITION
PD2.0 SCALE: NTS

RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2 1-30-26

REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
MECHANICAL DEMOLITION PHOTOS

MD3.2
2208

BID SET PHASE 2



SHEET NOTES:

1. BOILER TO BE MOVED AND RE-INSTALLED AFTER COMPLETION OF STRUCTURAL WORK AT SLAB.
2. CONTRACTOR RESPONSIBLE FOR DOCUMENTING THE AS BUILT CONDITIONS PRIOR TO DEMOLITION AND VERIFYING THE EXTENT OF DEMOLITION WITH THE CONTRACTOR INSTALLING THE NEW WORK.



ALL PIPES WITHIN 24" BELOW THE SLAB MUST BE REMOVED TO ACCOMMODATE SLAB REPAIR. ALL SERVICES TO BE DOCUMENTED PRIOR TO REMOVAL AND REINSTALLED ONCE SLAB IS REPAIRED

(E) FIRE SPRINKLER

(E) HEATING WATER PUMP. RELOCATE TO ABOVE AFTER SLAB REPAIR IS COMPLETE

January 14, 2026 1:22 PM

1 MECHANICAL ROOM DEMOLITION
PD2.1 SCALE: NTS

RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2 1-30-26

REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
MECHANICAL DEMOLITION PHOTOS

MD3.3
2208

BID SET PHASE 2

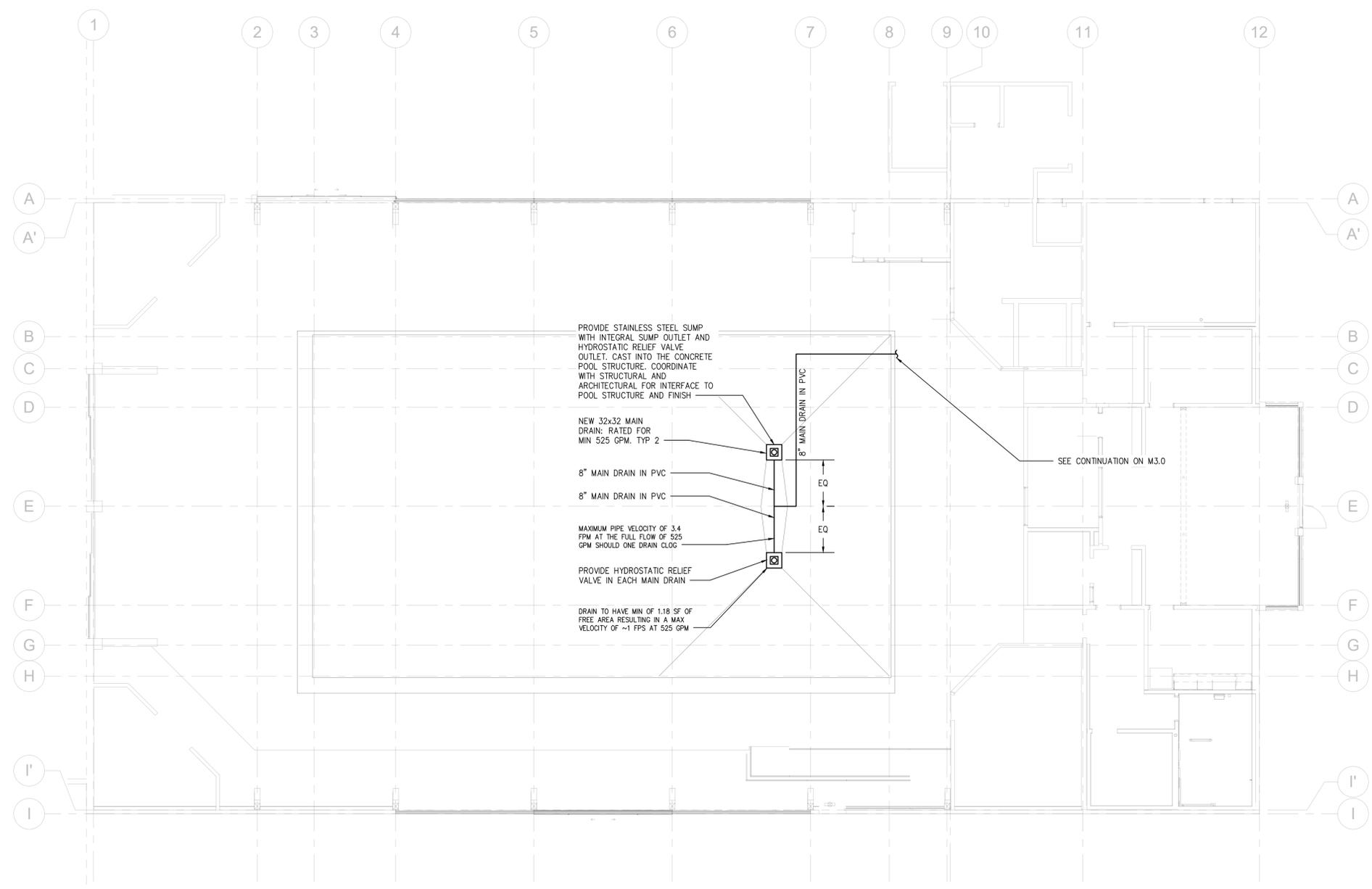


SHEET NOTES:

1. PIPING IS DIAGNAMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.

SHEET KEYNOTES:

1. THESE DRAINS AND VENTS ARE PART OF A CIRCUIT VENT THAT COLLECTS THE THREE DRAINS/SUMPS WHERE THE DECK DRAINS SLOPE TO.
2. EACH SUMP IS PROVIDED WITH AN INDIVIDUAL P-TRAP AND SHALL BE CONNECTED INTO THE MAIN DRAIN BRANCH WITH A HORIZONTAL WYE FITTING PER UPC.



1 PLUMBING FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2	1-30-26
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REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
MECHANICAL FOUNDATION PLAN

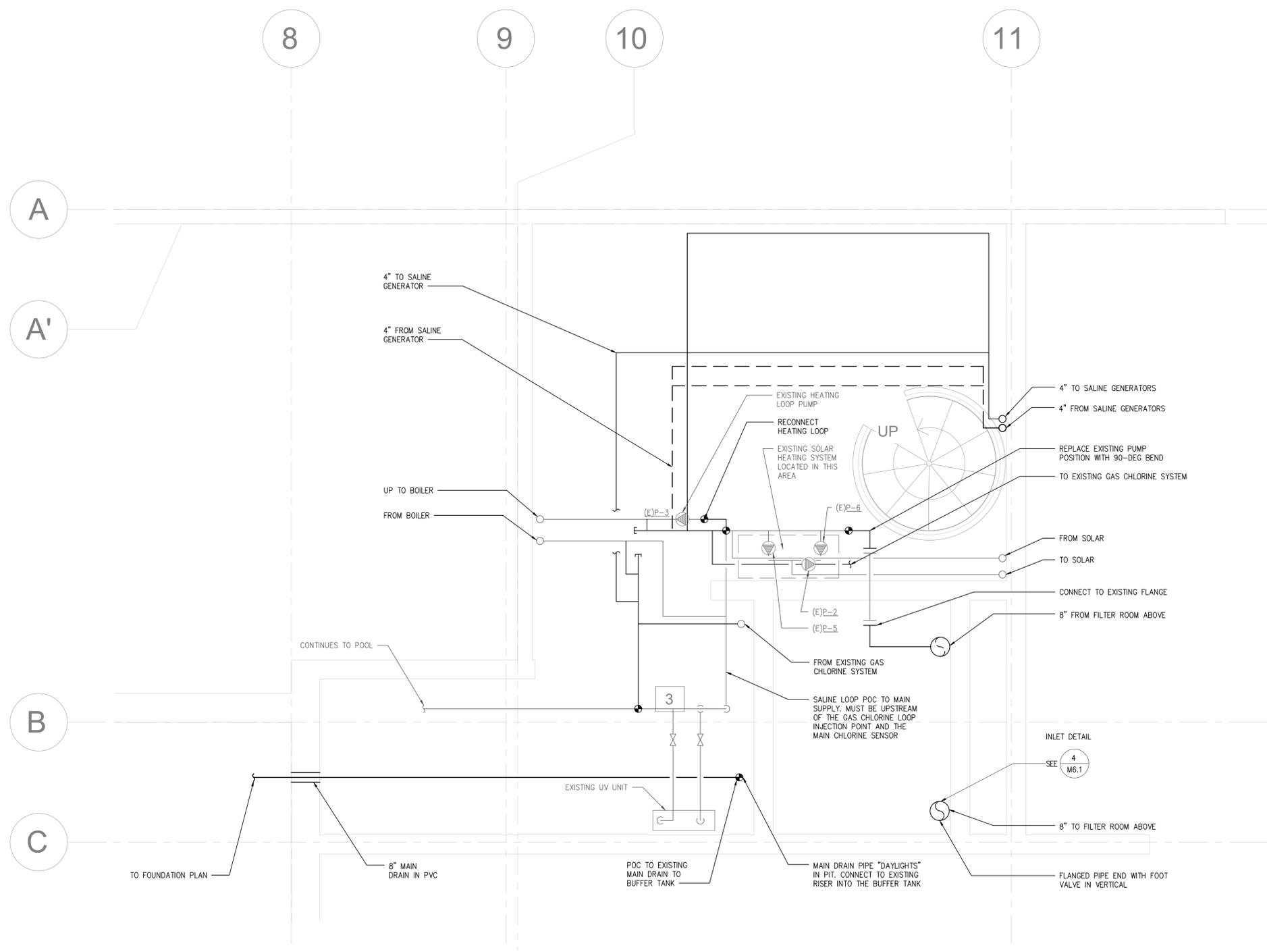
M2.0
2208

BID SET PHASE 2



SHEET NOTES:

1. PIPING IS DIAGNAMTIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2	1-30-26
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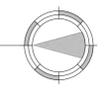
REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN

BASEMENT FLOOR PIPING PLAN

M3.0
2208

1 BASEMENT PIPING PLAN
SCALE: 1/2" = 1'-0"

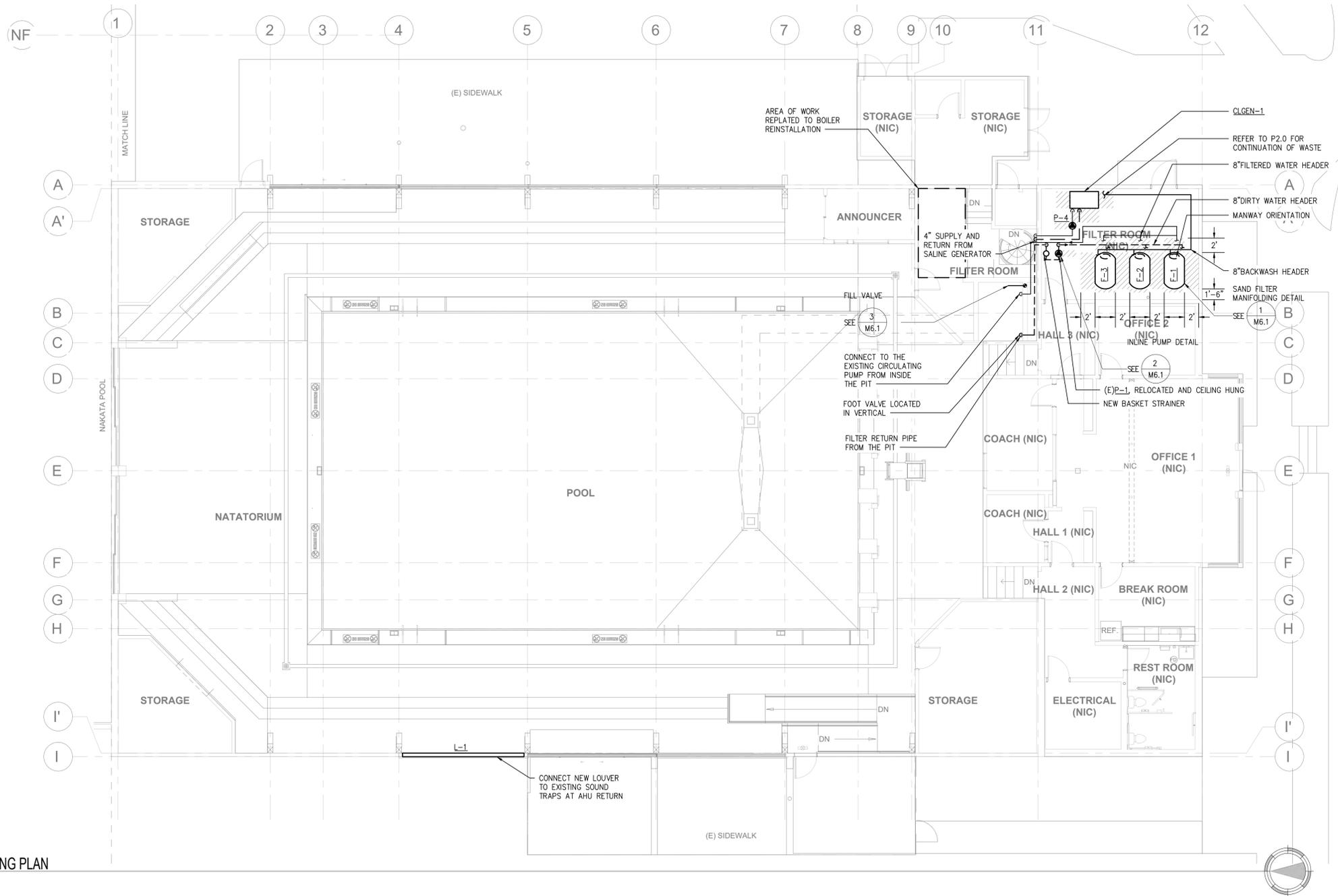


BID SET PHASE 2



SHEET NOTES:

- PIPING IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



2 FIRST FLOOR PIPING PLAN
SCALE: 1/8" = 1'-0"

RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2	1-30-26
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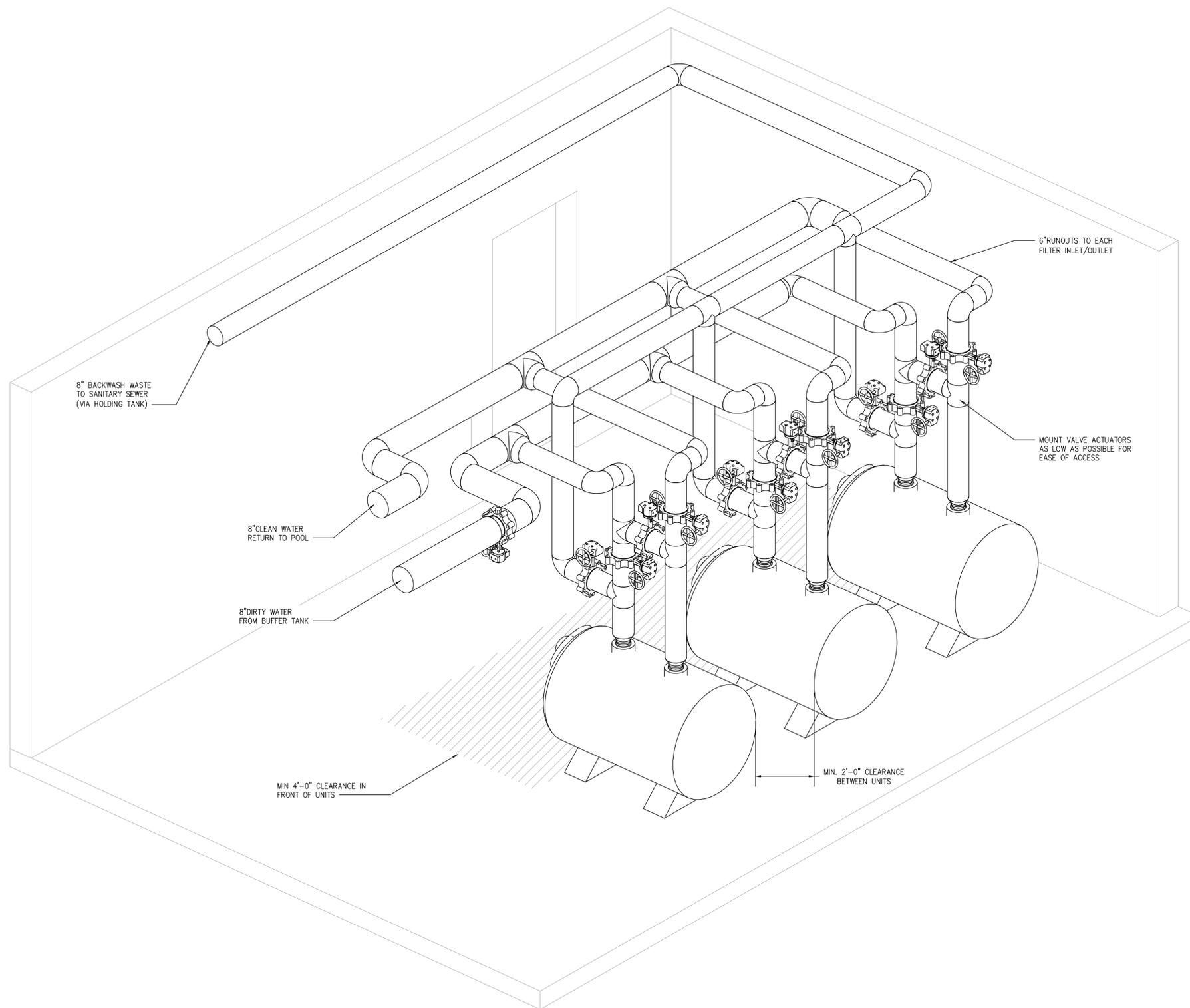
REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN

FIRST FLOOR PIPING PLAN

M4.0
2208

BID SET PHASE 2



SHEET NOTES:
 1. PIPING IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.

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RICHARD TERPETER
 LICENSED PROFESSIONAL ENGINEER
 1-30-26

RAY WILLIAMSON POOL RENOVATION
 8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2	1-30-26
REVISIONS	
#	DATE

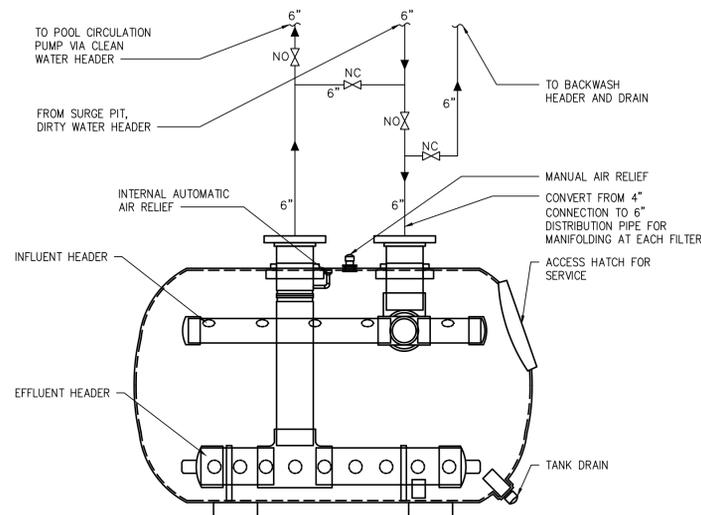
PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
FILTER ROOM VIEWS AND SECTIONS

M5.0
 2208

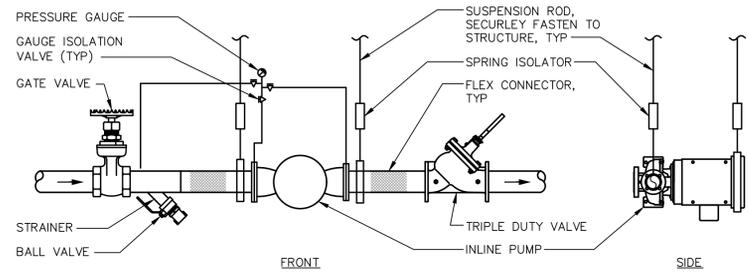
BID SET PHASE 2

1 3D VIEW OF FILTERS
 SCALE: 3/4" = 1'-0"

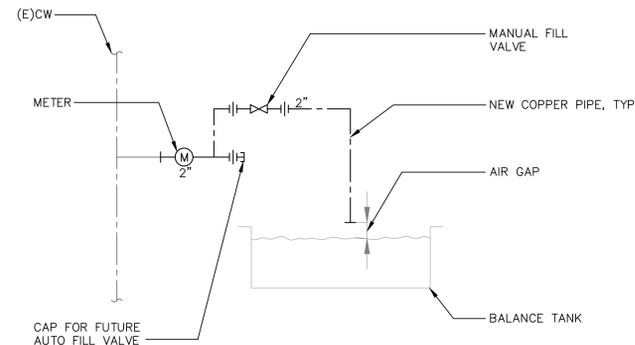




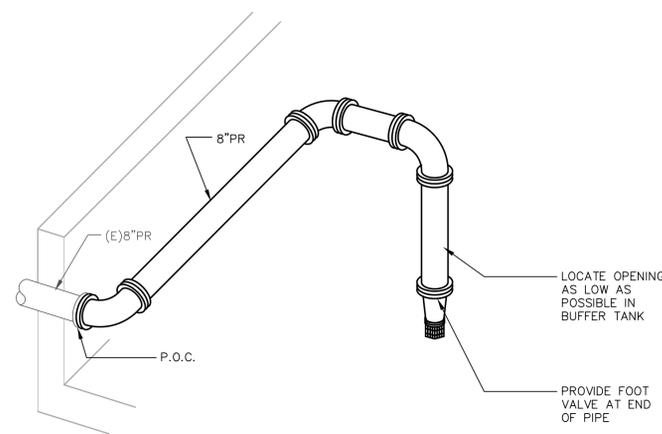
1 SAND FILTER MANIFOLDING DETAIL
M6.1 SCALE: NTS



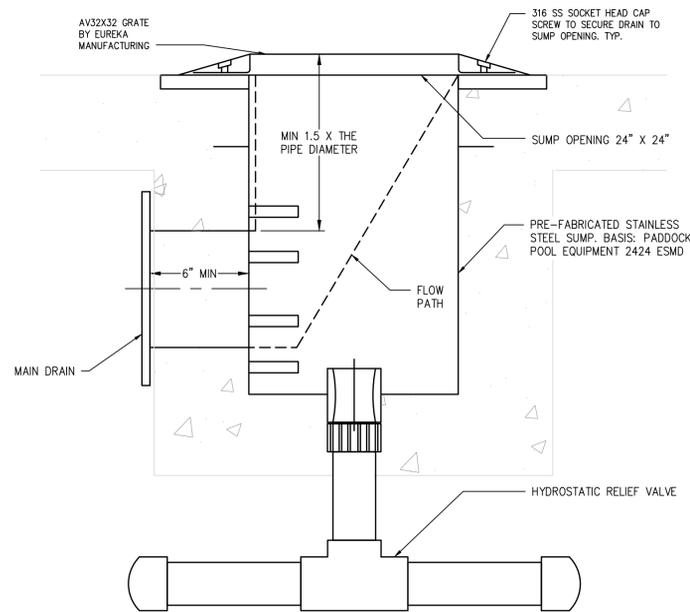
2 INLINE PUMP DETAIL
M6.1 SCALE: NTS



3 FILL VALVE
M6.1 SCALE: NTS



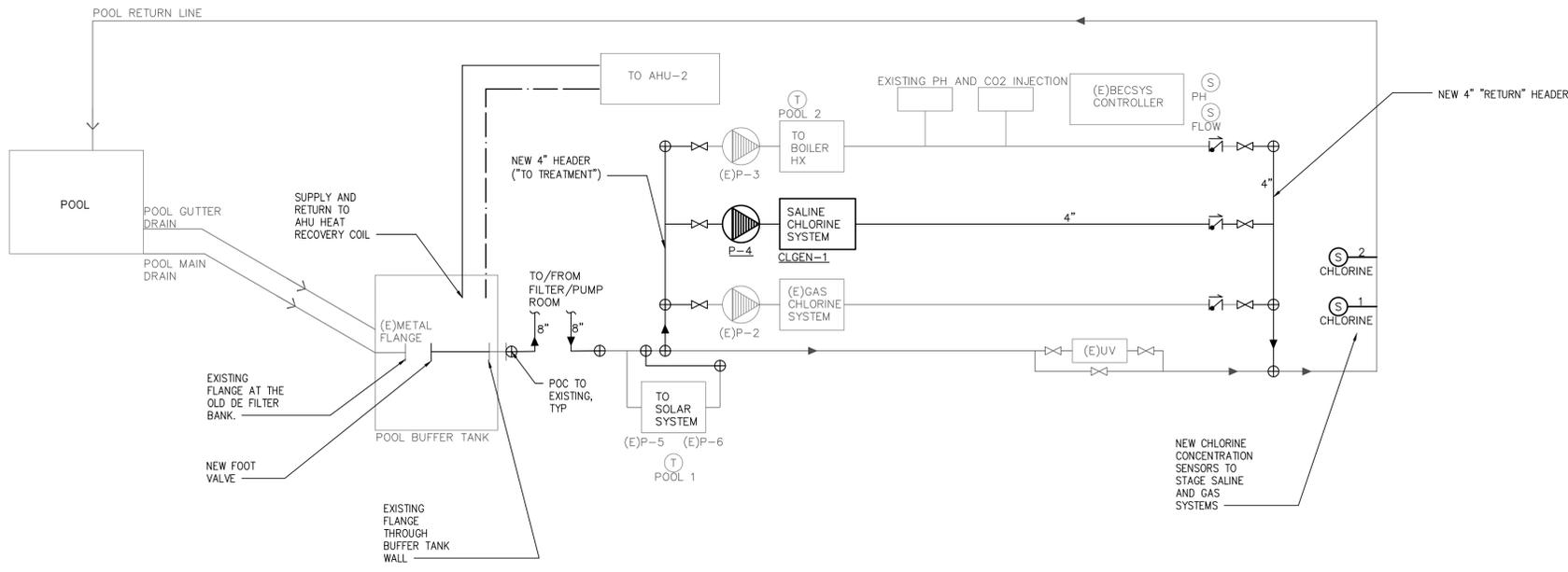
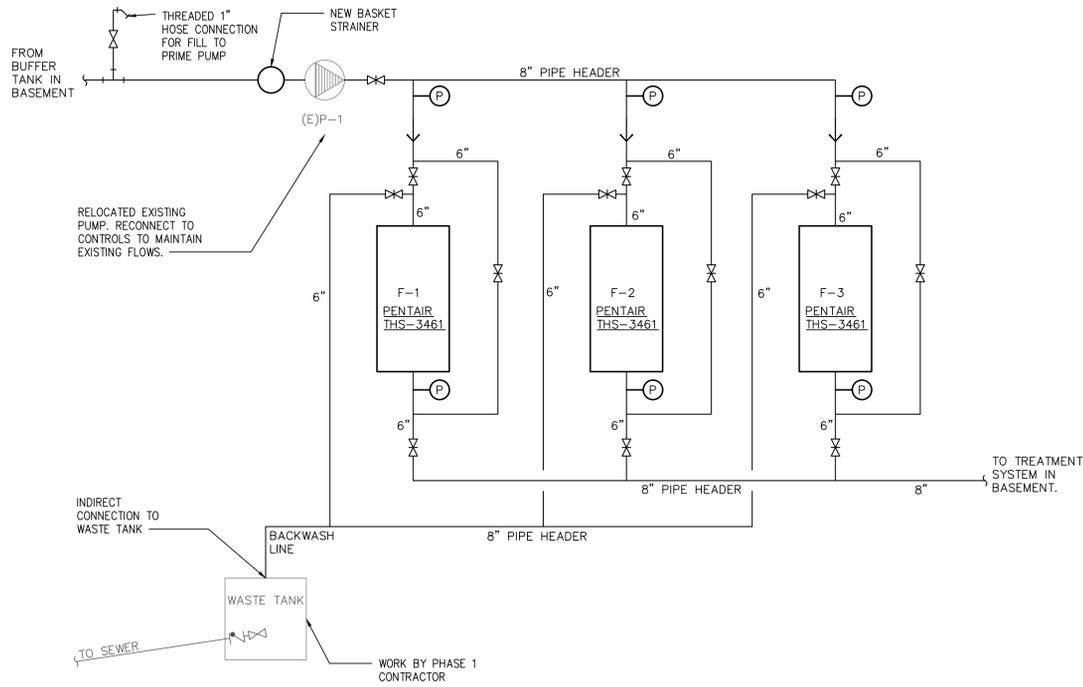
4 INLET DETAIL
M6.1 SCALE: NTS



5 POOL DRAIN DETAIL
M6.1 SCALE: NTS

BID SET PHASE 2	1-30-26
REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
POOL DETAILS



POOL DIAGRAM LEGEND

SYMBOL	DESCRIPTION
(T)	BOILER THERMOSTAT
✕	BUTTERFLY VALVE
CHLORINE (S)	CHLORINE SENSOR
FLOW (S)	FLOW SENSOR
→	MAIN POOL FLOW DIRECTION
(S)	PH SENSOR
(P)	PRESSURE SENSOR
(P)	PUMP
(T)	SOLAR SYSTEM THERMOSTAT
⌋	STRAINER

FLAG NOTES:
 1 ADD CONTROL WIRE AND NECESSARY RELAYS TO USE CLGEN-1 AS STAGE 1.

CONTROL POINTS:

- (P) IS THE PRESSURE GAUGE ASSOCIATED WITH F-1, F-2, AND F-3
- (S) FLOW IS THE FLOWMETER
- (T1) IS THE THERMOSTAT ASSOCIATED WITH BOILER SYSTEM
- (T2) IS THE THERMOSTAT ASSOCIATED WITH THE SOLAR SYSTEM
- (S) CHLORINE IS THE CHLORINE SENSOR ASSOCIATED WITH THE SALINE GENERATOR SYSTEM
- (S) PH IS THE EXISTING PH SENSOR ASSOCIATED WITH THE PH SYSTEM

HEATING SEQUENCE:

- FIRST STAGE OF HEATING IS DONE BY HEAT AHU-2. HEAT FROM EXHAUSTED AIR IS BEING RECOVERED, PASSED BACK TO THE BUFFER TANK.
- SECOND STAGE OF HEATING IS DONE BY THE SOLAR SYSTEM, CONTROLLED BY THERMOSTAT 1.
- THIRD STAGE OF HEATING IS DONE BY THE BOILER SYSTEM, CONTROLLED BY THERMOSTAT 2.

CHLORINE SEQUENCE:

- THE EXISTING BECSYS CONTROLLER IS ALREADY CONNECTED TO CHLORINE SENSOR 2 (STAGE 2) AND PH SENSOR (STAGE 3). MANUALLY ADD NECESSARY RELAYS TO USE CLGEN-1 AS STAGE 1.
- CONNECT THE EXISTING BECSYS CONTROLLER TO CHLORINE SENSOR 1.
- FIRST STAGE OF CHLORINE ADDITION IS DONE BY THE SALINE GENERATOR SYSTEM (CLGEN-1), CONTROLLED BY THE EXISTING BECSYS CONTROLLER, THAT IS CONNECTED TO CHLORINE SENSOR 1.
- SECOND STAGE OF CHLORINE ADDITION IS DONE BY EXISTING GAS CHLORINE SYSTEM, CONTROLLED BY THE EXISTING BECSYS CONTROLLER, THAT IS CONNECTED TO CHLORINE SENSOR 2.
- POOL PH CONTROL IS DONE BY THE EXISTING PH SYSTEM. THE SYSTEM IS CONTROLLED BY THE EXISTING BECSYS CONTROLLER, THAT IS CONNECTED TO PH SENSOR.
- MANUALLY ADJUST THE PH SET POINT ON THE BECSYS CONTROLLER TO A MINIMUM OF 7.2 AND MAXIMUM OF 8.
- MANUALLY ADJUST THE CHLORINE SET POINT ON BECSYS CONTROLLER AND CLGEN-1 CONTROLLER TO HAVE A 1.5 PPM SET POINT.

1 POOL DIAGRAM
 M7.0 SCALE: NTS



RAY WILLIAMSON POOL RENOVATION

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 2	1-30-26
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
MECHANICAL DIAGRAMS

M7.0
 2208

BID SET PHASE 2



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET - PHASE 2
 01-30-2026

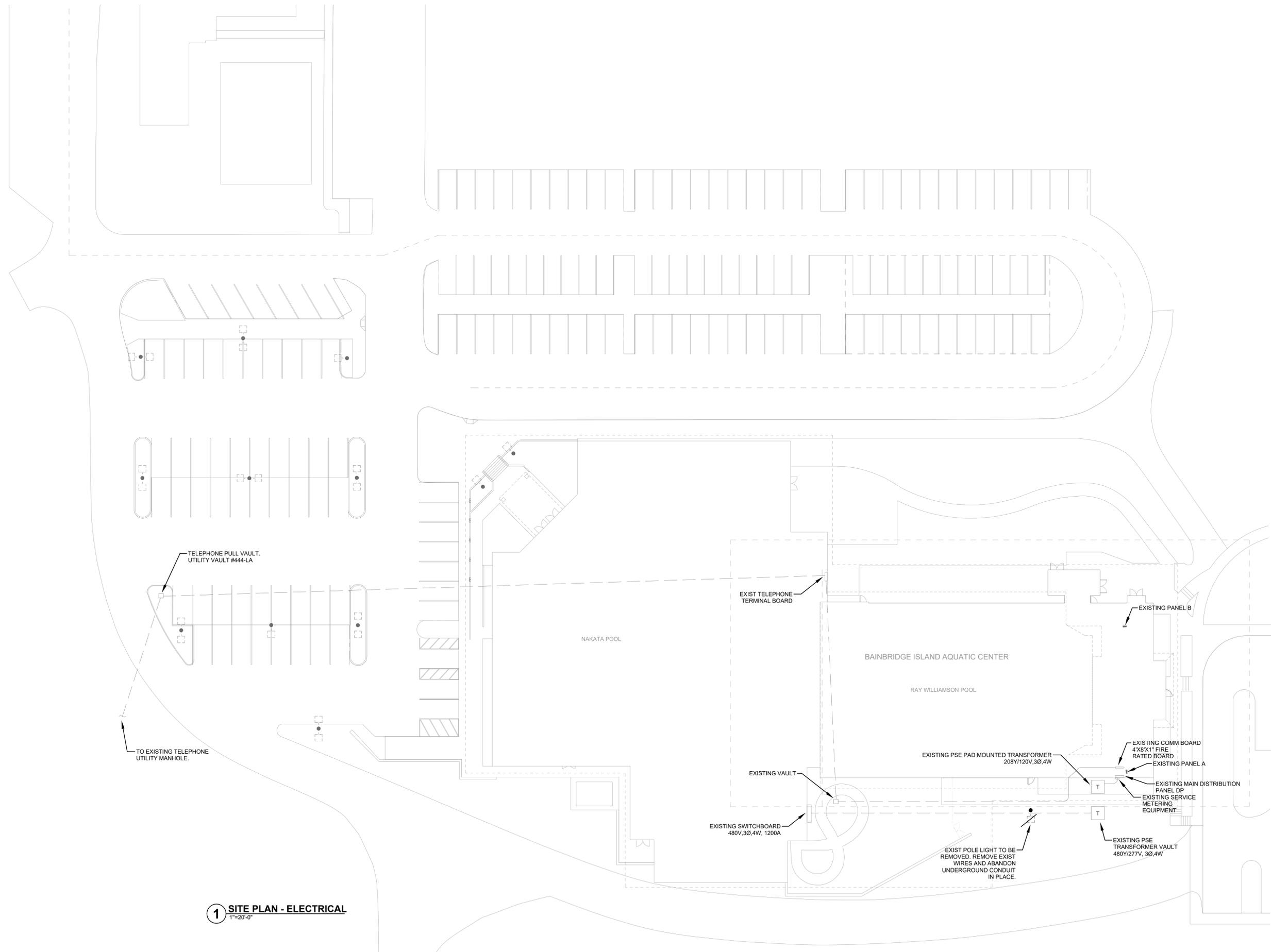
REVISIONS	
#	DATE

PROJECT ENGINEER	KW
PROJECT MANAGER	AB,RJ
DRAWN	AS

**SITE PLAN -
ELECTRICAL**

E-1.1

2208

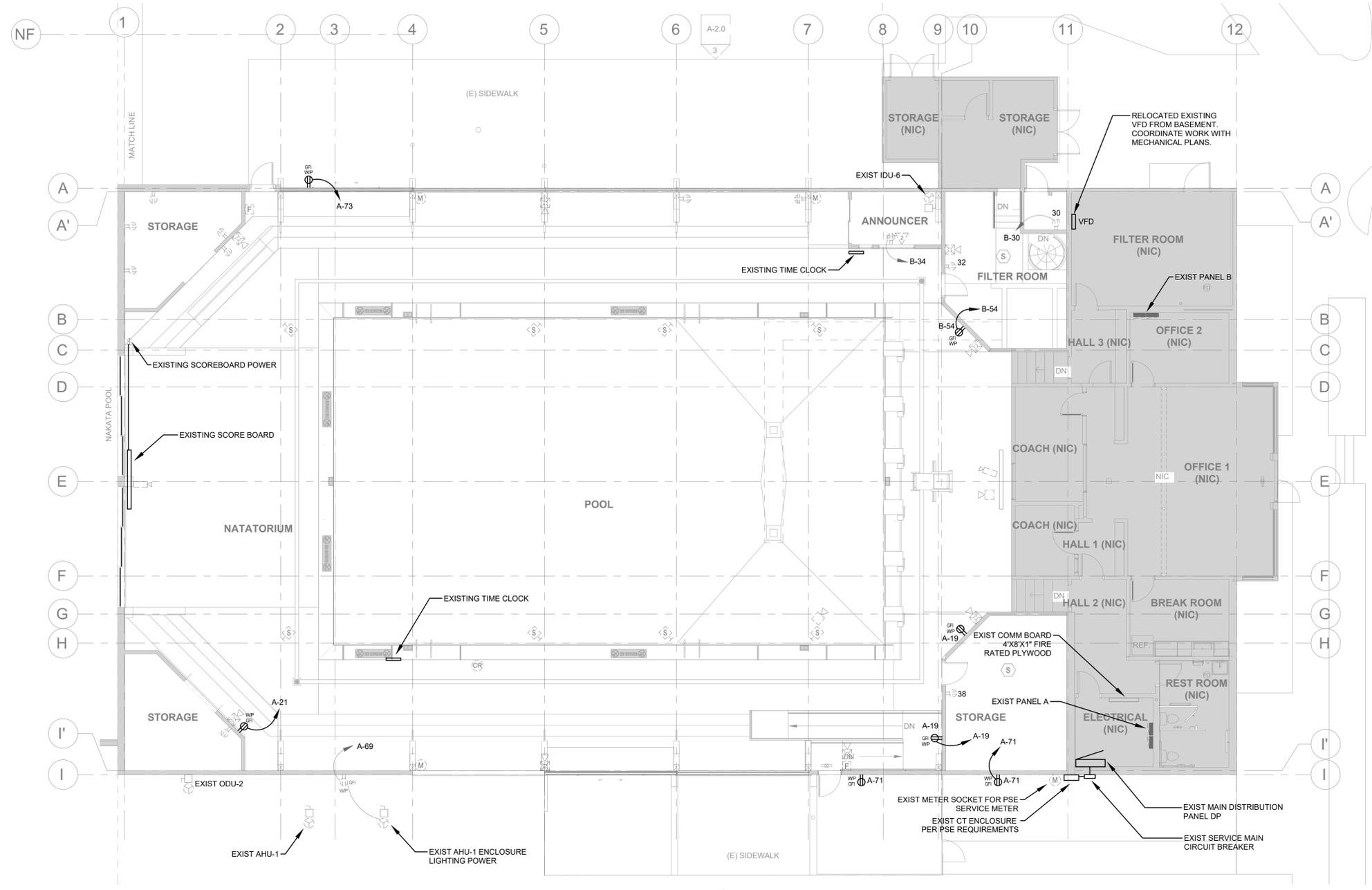


1 SITE PLAN - ELECTRICAL
 1"=20'-0"



SHEET NOTES:

1. SAW CUT, CORE AND CHIP EXISTING CONCRETE WALL OR FLOOR AS REQUIRED FOR INSTALLATION OF NEW WIRING. PATCH AND REPAIR DAMAGED WALLS OR FLOORS AS REQUIRED. PROVIDE WEATHERPROOF SEALANT OR FIRE CALK AS NEEDED FOR ALL CONDUIT PENETRATIONS THROUGH WALLS OR FLOOR.



1 FLOOR PLAN - ELECTRICAL
 1/8" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET - PHASE 2
 01-30-2025

REVISIONS	
#	DATE

PROJECT ENGINEER
 KW
 PROJECT MANAGER
 AB,RJ
 DRAWN
 AS

FLOOR PLAN - ELECTRICAL

E-3.1
 2208



RAY WILLIAMSON POOL IMPROVEMENTS

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BID SET - PHASE 2
 01-30-2026

REVISIONS	
#	DATE

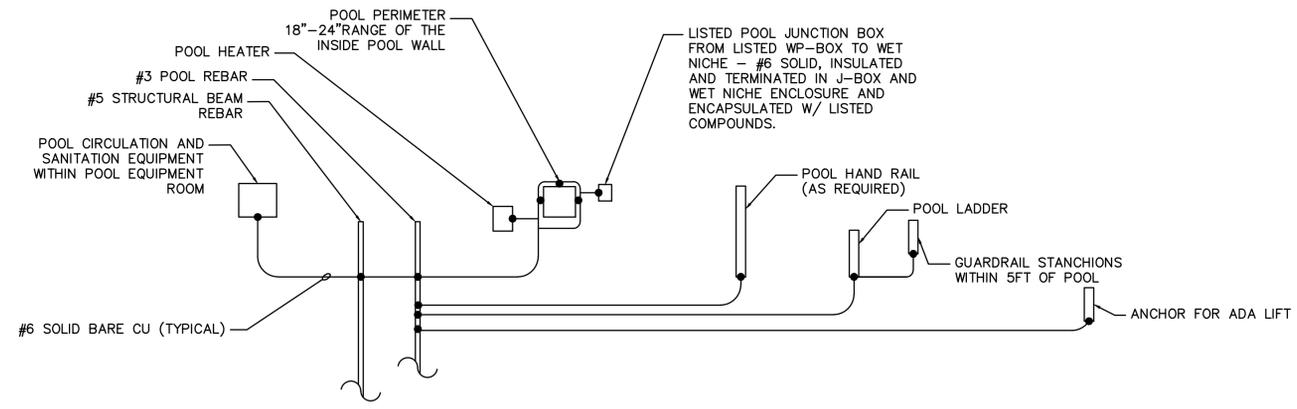
PROJECT ENGINEER KW
PROJECT MANAGER AB,RJ
DRAWN AS

**ONE LINE
 DIAGRAM AND
 GROUNDING
 DETAIL**

E-4.0
 2208

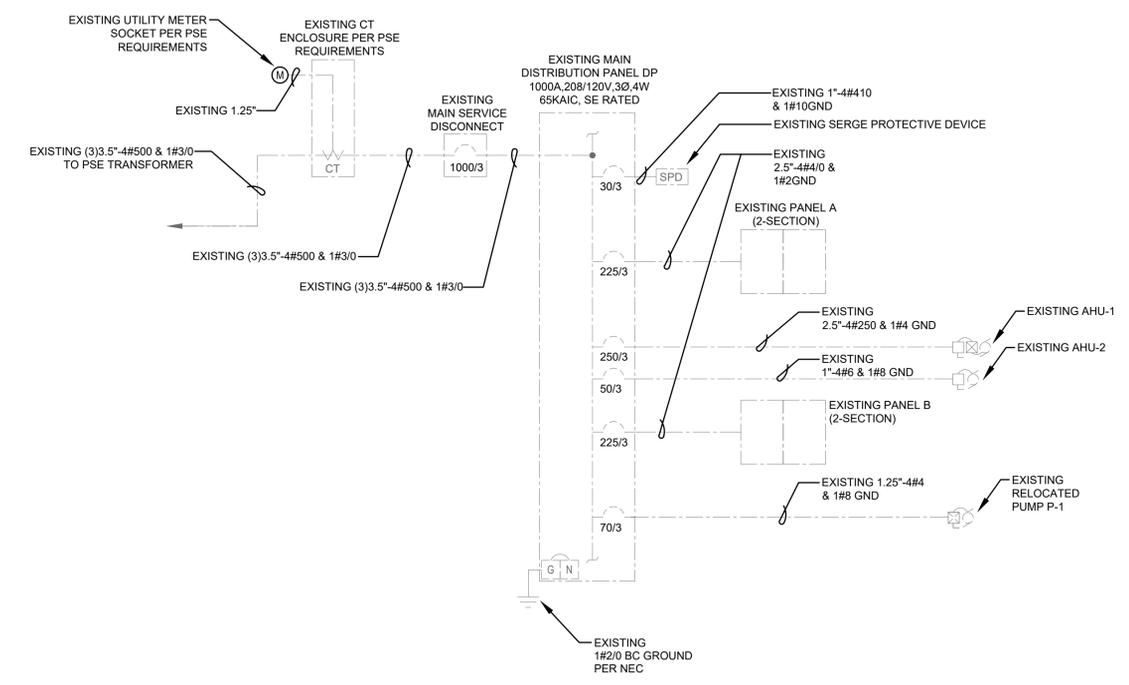
SHEET NOTES:

- PROVIDE POOL GROUNDING AS REQUIRED PER NEC CODE. PROVIDE WATERTIGHT J-BOXES, CONDUIT, WIRING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE ALL POOL GROUNDING LOCATIONS WITH THE CONTRACTOR PRIOR TO PLACING THE NEW DECK. AFTER GROUNDING IS COMPLETE, PROVIDE A TYPED REPORT OF THE FOLLOWING:
 VISUAL: INSPECT EXPOSED SECTIONS OF THE CONDUCTOR AND CABLE FOR PHYSICAL DAMAGE, CORROSION, AND DETERIORATION.
 ELECTRICAL: TEST BOLTED CONNECTIONS FOR HIGH RESISTANCE AND TEST CONTINUITY ON CONDUCTORS AND CABLE.
- SAW CUT, CORE AND CHIP FLOORS OR WALLS AS REQUIRED TO CONCEAL THE INSTALLATION OF GROUNDING CONDUCTORS AS NOTED IN SWIMMING POOL GROUNDING DETAIL (2E-4.0). PATCH AND REPAIR DAMAGED FLOORS AND WALLS CAUSED BY THIS INSTALLATION.



NOTE: REFER TO SHEET NOTES 1 AND 2.

2 SWIMMING POOL GROUNDING DETAIL
 NTS



1 ONE LINE DIAGRAM - EXISTING
 NTS



RAY WILLIAMSON POOL IMPROVEMENTS

**8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110**

EXISTING LOCATION	MAIN DIST	PANEL DP	VOLTS	208 /120	3 PHASE, 4 WIRE, WYE
LOCATION	ELEC ROOM		AMPS	1000	
MOUNTING	SURFACE	UTILITY TRANSFORMER	LOAD	CCT	CCT
AIC	65,000	DESCRIPTION	KVA	NO.	BRKR
FED FROM					
CCT NO.					
1	225/3	(E)PANEL A	56.76	2	225/3
3				4	(E)PANEL B
5				6	
7	250/3	(E)AHU-1	80.64	8	70/3
9				10	(E)PUMP P-1
11				12	
13	50/3	(E)AHU-2	13.32	14	100/3
15				16	SPARE
17				18	
19	100/3	SPACE	0.00	20	100/3
21				22	SPACE
23				24	
25	100/3	SPACE	0.00	26	30/3
27				28	(E)SPD
29				30	
CONNECTED LOAD					DEMAND LOAD
					0.00
KVA					AMPS
LIGHTS			12.68	125%	15.85
RECEPTACLES			23.55	100%	23.55
HEATING			7.00	100%	7.00
LARGEST MOTOR			80.64	125%	100.80
OTHER MOTORS			29.95	100%	29.95
MISCELLANEOUS			83.60	85%	71.06
KITCH. APPLIANCES			0.00	100%	0.00
			237.42		248.21
					688.97

EXISTING LOCATION	PANEL A 2 SECTION	VOLTS	208 /120	3 PHASE, 4 WIRE, WYE	
LOCATION	ELEC ROOM	AMPS	225 MLO		
MOUNTING	SURFACE	GROUND BUS			
AIC	22,000				
FED FROM	PANEL DP				
CCT NO.					
1	20/1	(E) LOAD	1.50	2	30/3
3	20/1	(E) LOAD	1.50	4	(E)SURGE PROT
5	20/1	(E) LOAD	1.50	6	
7	20/1	(E) LOAD	1.50	8	20/1
9	20/1	(E) LOAD	0.72	10	(E) LOAD
11	20/1	(E) LOAD	1.50	12	20/1
13	20/1	(E) LOAD	0.90	14	20/1
15	20/1	(E) LOAD	1.50	16	20/1
17	20/1	(E) LOAD	0.72	18	20/1
19	20/1	RECEPT*	0.36	20	20/1
21	20/1	RECEPT*	0.18	22	20/1
23	20/1	(E)LVR	1.00	24	20/1
25	20/1	(E)LIGHTS	1.04	26	50/3
27	20/1	(E)LIGHTS	1.04	28	(E) LOAD
29	20/1	(E)LIGHTS	1.38	30	
31	20/1	(E)LIGHTS	0.30	32	20/3
33	20/1	(E)LIGHTS	0.20	34	(E) LOAD
35	20/1	(E)LIGHTS	0.50	36	
37	20/1	(E)LIGHTS	0.20	38	20/1
39	20/1	(E)LIGHTS	0.43	40	20/1
41	20/1	(E)LIGHTS	0.59	42	20/1
43	20/1	(E)DHW-1	3.50	44	15/2
45	20/1	(E)DHW-2	3.50	46	
47	15/2	(E)BC-1	0.15	48	15/2
49			0.00	50	(E)IDU-2
51	20/1	(E)DISHWASHER	1.20	52	15/2
53	20/1	(E)RECEPTS	0.18	54	(E)IDU-3
55	20/1	(E)RECEPTS	0.15	56	15/2
57	20/1	(E)RECEPTS	0.36	58	(E)IDU-4
59	20/1	(E)RECEPTS	0.36	60	15/2
61	20/1	(E)RECEPTS	0.54	62	(E)IDU-5
63	20/1	(E)RECEPTS	0.72	64	15/2
65	20/1	(E)RECEPTS	0.72	66	(E)IDU-6
67	20/1	(E)RECEPTS	0.72	68	20/1
69	20/1	(E)ELTS & RECE	1.18	70	(E)EF-1
71	20/1	RECEPT*	0.36	72	20/1
73	20/1	RECEPT*	0.18	74	20/1
75	20/1	SPARE	0.00	76	20/1
77	20/1	SPARE	0.00	78	20/1
79	20/1	SPARE	0.00	80	20/1
81	20/1	SPARE	0.00	82	20/1
83	20/1	SPARE	0.00	84	20/1
SECTION TOTAL					13.82

CONNECTED LOAD	KVA	DEMAND FACTOR	DEMAND LOAD	AMPS
			KVA	
LIGHTS	9.68	125%	12.10	33.59
RECEPTACLES	12.39	100%	12.39	34.39
HEATING	7.00	100%	7.00	19.43
LARGEST MOTOR	0.00	125%	0.00	0.00
OTHER MOTORS	0.00	100%	0.00	0.00
MISCELLANEOUS	27.69	100%	27.69	76.87
KITCH. APPLIANCES	0.00	65%	0.00	0.00
			56.76	164.28

PANEL B LOCATION	2 SECTION	VOLTS	208 /120	3 PHASE, 4 WIRE, WYE	
LOCATION	ELEC ROOM	AMPS	225 MLO		
MOUNTING	SURFACE	GROUND BUS			
AIC	22,000				
FED FROM	PANEL DP				
CCT NO.					
1	20/1	(E) LOAD	1.50	2	30/3
3	20/1	(E) LOAD	1.50	4	(E)SURGE PROT
5	20/1	(E) LOAD	1.50	6	
7	20/1	(E) LOAD	1.50	8	20/1
9	20/1	(E) LOAD	0.90	10	(E) LOAD
11	20/1	(E) LOAD	0.90	12	20/1
13	20/1	(E) LOAD	1.50	14	20/1
15	20/1	(E) LOAD	0.90	16	20/1
17	20/1	(E) LOAD	1.50	18	20/1
19	20/1	(E) LOAD	1.08	20	20/1
21	20/1	(E) LOAD	0.90	22	20/1
23	20/1	(E) LOAD	1.50	24	20/1
25	20/3	(E) LOAD	3.00	26	20/1
27			0.00	28	20/1
29			0.00	30	20/1
31	20/3	(E) LOAD	3.00	32	20/1
33			0.00	34	20/1
35			0.00	36	20/1
37	20/1	SPACE	0.00	38	20/1
39	20/1	SPACE	0.00	40	20/1
41	20/1	SPACE	0.00	42	20/1
43	40/3	ODU-1	8.64	44	20/3
45			0.00	46	(E)DOAS-1
47			0.00	48	
49	20/1	(E) PUMP P2	1.90	50	60/2
51	20/1	(E) PUMP P3	1.90	52	(E)CLGEN-1
53	20/1	(E) PUMP P4	1.90	54	20/1
55	25/3	(E)ODU-2	7.96	56	RECEPTS*
57			0.00	58	20/1
59			0.00	60	20/1
61	20/1	(E) PUMP P-5	1.90	62	20/1
63	20/1	(E) PUMP P-6	1.90	64	20/1
65	20/1	SPARE	0.00	66	20/1
67	20/1	SPARE	0.00	68	20/1
69	20/1	SPARE	0.00	70	20/1
71	20/1	SPARE	0.00	72	20/1
73	20/1	SPARE	0.00	74	20/1
75	20/1	SPARE	0.00	76	20/1
77	20/1	SPARE	0.00	78	20/1
79	20/1	SPARE	0.00	80	20/1
81	20/1	SPARE	0.00	82	20/1
83	20/1	SPARE	0.00	84	20/1
SECTION TOTAL					26.10

CONNECTED LOAD	KVA	DEMAND FACTOR	DEMAND LOAD	AMPS
			KVA	
LIGHTS	3.00	125%	3.75	10.41
RECEPTACLES	11.16	100%	11.16	30.98
HEATING	0.00	100%	0.00	0.00
LARGEST MOTOR	0.00	125%	0.00	0.00
OTHER MOTORS	0.00	100%	0.00	0.00
MISCELLANEOUS	55.91	75%	41.93	116.59
KITCH. APPLIANCES	0.00	65%	0.00	0.00
			56.84	157.78

BID SET - PHASE 2
 01-30-2026

REVISIONS	
#	DATE

PROJECT ENGINEER
 KW
 PROJECT MANAGER
 AB,RJ
 DRAWN
 AS

SCHEDULES

E-5.0
 2208