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CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
DEPARTMENT OF RECREATION AND PARKS

FOR

THE MAYOR AND CITY COUNCIL OF BALTIMORE

BRANDON SCOTT, MAYOR

CONTRACT NO. RP24821R

GWWO PROJECT NO. 23042

PATTERSON PARK
POOL HOUSE RENOVATION

PATTERSON PARK POOL
148 S LINWOOD AVE,
BALTIMORE, MD 21224

GWWO INC. / ARCHITECTS
1215 E FORT AVE SUITE 24
BALTIMORE, MD 21230
(410) 332-1009
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CHIEF OF CAPITAL DEVELOPMENT

DIRECTOR OF RECREATION AND PARKS

DATE: 02/19/2026

68 SHEETS IN SET

SHEET 1 OF 68

DRAWING NO. CS.1

RP24821R - PATTERSON PARK POOL HOUSE RENOVATION

Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation - 2024.rvt

3/11/2026 9:10:56 AM

Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation - 2024.rvt
11/7/2025 9:12:39 AM

AB	-ANCHOR BOLT	DP	-DISTRIBUTION PANEL			RGD	-RIGID
ABV	-ABOVE	DR	-DOOR	JB	-JUNCTION BOX	RH	-RIGHT HAND
AC	-ACOUSTIC(AL)	DRN	-DRAIN	JST	-JOIST	RIMBD	-RIMBOARD
ACC	-AIR COOLED CONDENSING UNIT	DS	-DOWNSPOUT	JT	-JOINT	RM	-ROOM
		DSP	-DRY SPRINKLER PIPE			RO	-ROUGH OPENING
ACP	-ACOUSTICAL PANEL	DVTL	-DOVETAIL	KO	-KNOCK OUT	RR	-RAILROAD
ACU	-AIR CONDITIONING UNIT	DW	-DISHWASHER			RTN	-RETURN
AD	-ACCESS DOOR	DWC	-DRINKING WATER COOLER	L	-LONG, LENGTH	RTNG	-RETAINING
ADD	-ADDENDUM, ADDITION	DWG	-DRAWING	LAD	-LOCATED AS DIRECTED	RX	-REMOVE EXISTING
ADDL	-ADDITIONAL	DWH	-DOMESTIC WATER HEATER	LAN	-LOCAL AREA NETWORK	RPL	-REMOVABLE PLATE
ADH	-ADHESIVE			LAV	-LAVATORY		
ADJ	-ADJUSTABLE, ADJACENT	DWL(S)	-DOWEL(S)	LB(S)	-POUND(S)	SAS	-SURFACE ALL SIDES
AFF	-ABOVE FINISH FLOOR			LC	-LOAD CENTER	SCHED	-SCHEDULE
AFG	-ABOVE FINISH GRADE	E	-EMERGENCY	LCC	-LEAD COATED COPPER	SCHEM	-SCHEMATIC
AGGR	-AGGREGATE	EA	-EACH	LD	-LOAD	SD	-STORM DRAIN
AHU	-AIR HANDLING UNIT	EF	-EACH FACE	LEV(G)	-LEVEL(ING)	SECT	-SECTION
ALT	-ALTERNATE	EFF	-EFFICIENCY	LF	-LINEAL FOOT, LINEAL FEET	SEP	-SEPARATE
AL	-ALUMINUM	EG	-EXHAUST GRILLE			SF	-SQUARE FOOT
ANC	-ANCHOR	EJ	-EXPANSION JOINT	LG	-LARGE	SFS	-SURFACE FOUR SIDES
AP	-ANNUNCIATOR PANEL	EL	-ELEVATION	LL	-LIVE LOAD	SG	-SUPPLY GRILLE
APA	-AMERICAN PLYWOOD ASSOCIATIONG	ELEC	-ELECTRIC(AL)	LLH	-LONG LEG HORIZONTAL	SH	-SHOWER
		ELEV	-ELEVATOR	LLV	-LONG LEG VERTICAL	SHTHG	-SHEATHING
APPD	-APPROVED	EMBED	-EMBEDMENT	LOC	-LOCATION	SHT	-SHEET
APPROX	-APPROXIMATE(LY)	EMT	-ELECTRICAL METAL TUBING	LONG	-LONGITUDE, LONGITUDINAL	SI	-SQUARE INCH
ARCH	-ARCHITECTURAL					SIM	-SIMILAR
ASSY	-ASSEMBLY	ENCL	-ENCLOSURE	LP	-LOW POINT	SL	-SLOPE
ASYM	-ASYMMETRICAL	ENGR	-ENGINEER	LT(S)	-LIGHT(S)	SLV	-SLEEVE
ATC	-ACOUSTICAL TILE CEILING	ENT	-ENTRANCE	LTG	LIGHTING	SM	-SMALL
ATTEN	-ATTENUATION	EPS	-EXTRUDED POLYSTYRENE	LTGA	-LIGHT GAGE	SPCG	-SPACING
AUTO	-AUTOMATIC	EQ	-EQUAL, EQUALLY	LTNG	-LIGHTNING	SPCL	-SPECIAL
AVG	-AVERAGE	EQUIP	-EQUIPMENT	LV	-LOW VOLTAGE	SPEC	-SPECIFICATIONS
AWG	-AMERICAN WIRE GAUGE	EQUIV	-EQUIVALENT	LVL	-LAMINATED VENEER LUMBER	SQ	-SQUARE
&	-AND	ES	-EACH SIDE			SS	-STAINLESS STEEL
@	-AT	EST	-ESTIMATE			ST	-STREET
<	-ANGLE(S)	ET	-EXPANSION TANK	MACH	-MACHINE	STA	-STATION
		ETR	-EXISTING TO REMAIN	MAN	-MANUAL	STD	-STANDARD
BAL	-BALANCE	EX	-EXISTING	MATL	-MATERIAL	STIFF	-STIFFENER
BEJ	-BUILDING EXPANSION JOINT	EXH	-EXHAUST	MAX	-MAXIMUM	STIR	-STIRRUP
		EXP	-EXPOSED	MECH	-MECHANICAL	STL	-STEEL
BKHD	-BULKHEAD	EXP BLT	-EXPANSION BOLT	MED	-MEDIUM	STOR	-STORAGE
BLDG	-BUILDING	EXT	-EXTERIOR, EXTERNAL	MET	-METAL	STRUCT	-STRUCTURAL
BLK(G)	-BLOCK(ING)	EW	-EACH WAY	MEZZ	-MEZZANINE	SUPT	-SUPPORT
BLR	-BOILER	EWC	-ELECTRIC WATER COOLER	MFR(S)	-MANUFACTURER(S)	SUSP	-SUSPEND(ED)
BM	-BEAM			MH	-MANHOLE	SW	-SWITCH
BOD	-BOTTOM OF DUCT	EWH	-ELECTRIC WATER HEATER	MIDHT	-MIDHEIGHT	SWBD	-SWITCHBOARD
BOS	-BOTTOM OF STEEL			MIN	-MINIMUM, MINUTE	SWM	-STORMWATER MANAGEMENT
BOT(T)	-BOTTOM	F	-FAHRENHEIT	MIR	-MIRROR		
BPL	-BASE PLATE	FA	-FIRE ALARM	MISC	-MISCELLANEOUS	SYM	-SYMMETRICAL
BRCG	-BRACING	FCP	-FIRE ALARM CONTROL PANEL	MO	-MASONRY OPENING	SYP	-SOUTHERN YELLOW PINE
BRDG	-BRIDGING			MOT	-MOTOR	SYS	-SYSTEM
BRG	-BEARING	FC	-FLEX CONNECTION	MSNRY	-MASONRY		
BRK	-BRICK	FCU	-FAN COIL UNIT	MTD	-MOUNTED	T	-TREAD, THERMOSTATE
BS	-BOTH SIDES	FD	-FLOOR DRAIN			T&B	-TOP AND BOTTOM
BSMT	-BASEMENT	FDN	-FOUNDATION	N	-NORTH	TC	-TOP OF CURB
BT	-BATHTUB	FDR	-FEEDER	NA	-NOT APPLICABLE	TEL	-TELEPHONE
BTU	-BRITISH THERMAL UNIT	FE	-FIRE EXTINGUISHER	NC	-NORMALLY CLOSED	TEMP	-TEMPERATURE, TEMPORARY
BTUH	-BRITISH THERMAL UNIT/ HOUR	FEC	-FIRE EXTINGUISHER CABINET	NEUT	-NEUTRAL		
				NIC	-NOT IN CONTRACT	T&G	-TONGUE AND GROOVE
BTWN	-BETWEEN	FF	-FINISH FLOOR	NOM	-NOMINAL	THD	-THREADED
BW	-BOTH WAYS	FG	-FINISH GRADE	#, NO	-NUMBER	THK	-THICK
		FHY	-FIRE HYDRANT	NS	-NEAR SIDE	TO	-TOP OF
C	-CONDUIT	FIN	-FINISH	NTS	-NOT TO SCALE	TOC	-TOP OF CONCRETE
CAB	-CABINET	FL	-FLOOR			TOF	-TOP OF FOOTING
CAT	-CATEGORY	FLEX	-FLEXIBLE	OA	-OUTSIDE AIR	TOM	-TOP OF MASONRY
CATV	-CABLE TELEVISION	FLGE	-FLANGE	OC	-ON CENTER	TOP	-TOP OF PARAPET
CBU	-CEMENTITIOUS BACKER UNIT	FLMB	-FLAMMABLE	OD	-OUTSIDE DIAMETER	TOS	-TOP OF STEEL
		FLUOR	-FLUORESCENT	OF	-OUTSIDE FACE	TOT	-TOTAL
CCTV	-CLOSED CIRCUIT TELEVISION	FOM	-FACE OF MASONRY	OPNG	-OPENING	TRANS	-TRANSVERSE
		FP	-FIRE PROTECTION	OPP	-OPPOSITE	TRK	-TRACK
CFLS	-COUNTER FLASHING	FRMG	-FRAMING	OPP HND	-OPPOSITE HAND	TRTD	-TREATED
CFM	-CUBIC FEET PER MINUTE	FS	-FAR SIDE	OH	-OVERHEAD	TV	-TELEVISION
CHAM	-CHAMFER	FT	-FEET, FOOT	OZ	-OUNCE	TYP	-TYPICAL
CHAN	-CHANNEL	FTG	-FOOTING				
CHKR	-CHECKER	FTR	-FIN TUBE RADIATION	%	-PERCENT	UC	-UNDER CUT
CIR	-CIRCLE	FURR	-FURRING	/	-PER	UG	-UNDERGROUND
CKT	-CIRCUIT	FUT	-FUTURE	±	-PLUS OR MINUS	UH	-UNIT HEATER
CJ	-CONTROL JOINT			PAR	-PARALLEL	UL	-UNDERWRITERS LAB
CL	-CENTERLINE	GA	-GAGE/ GAUGE	PB	-PUSH BUTTON	UNO	-UNLESS NOTED OTHERWISE
CLG	-CEILING	GAL	-GALLON	PC	-PIECE		
CLR	-CLEAR, CLEARANCE	GALV	-GALVANIZED	PE	-POLYETHYLENE		
CMU	-CONCRETE MASONRY UNIT(S)	GEN	-GENERAL	PEN	-PENETRATION	VB	-VAPOR BARRIER
		GL	-GLASS, GLAZING	PERP	-PERPENDICULAR	VCT	-VINYL COMPOSITION TILE
CO	-CLEAN OUT	GR	-GRADE	PH	-PHASE	VERT	-VERTICAL
COL	-COLUMN	GRD	-GROUND	PL	-PLATE	VIF	-VERIFY IN FIELD
CONC	-CONCRETE	GRTG	-GRATING	PLAM	-PLASTIC LAMINATE	VOL	-VOLUME
COND	-CONDENSATE	GVL	-GRAVEL	PLATF	-PLATFORM	VTR	-VENT THROUGH ROOF
CONN	-CONNECTION	GWB	-GYPSUM WALL BOARD	PLMB	-PLUMBING		
CONST(R)	-CONSTRUCTION			PLYWD	-PLYWOOD	W	-WIDE, WIDTH
CONT	-CONTINUED, CONTINUOUS	H	-HIGH	PNEU	-PNEUMATIC	W/	-WITH
CONTR	-CONTRACTOR	HA	-HANDICAPPED ACCESSIBLE	PNL	-PANEL	W/R	-WITH RESPECT TO
COORD	-COORDINATE			PNLBD	-PANELBOARD	WC	-WATERCLOSET
CPT	-CARPET	HD	-HEAD	POB	-POINT OF BEGINNING	WD	-WOOD
CSK	-COUNTERSUNK	HEX	-HEXAGONAL	POC	-POINT OF CONNECTION	WF	-WIDE FLANGE
CT	-CERAMIC TILE	HK	-HOOK	PR	-PAIR	WHSE	-WAREHOUSE
C TO C	-CENTER TO CENTER	HL(S)	-HOLE(S)	PREFAB	-PREFABRICATED	WL	-WATER LINE
CTR	-CENTER	HM	-HOLLOW METAL	PRESS	-PRESSURE	WM	-WATER METER
CU FT	-CUBIC FEET, CUBIC FOOT	HORIZ	-HORIZONTAL	PROJ	-PROJECT	WP	-WEATHER PROOF, WORK POINT
CU IN	-CUBIC INCH(ES)	HP	-HORSE POWER	PROP	-PROPERTY		
CU YD	-CUBIC YARD(S)	H PT	-HIGH POINT	PSF	-POUNDS/ SQUARE FOOT	WT	-WEIGHT
CV	-CHECK VALVE	HQ	-HEADQUARTERS	PSI	-POUNDS/ SQUARE INCH	WTRPRF	-WATERPROOF
CW	-COLD WATER	HR	-HOUR	PT	-PARTITION	WWF	WELDED WIRE FABRIC
CX	-CONNECT TO EXISTING	HT	-HEIGHT	PTD	-PAINTED	WWM	WELDED WIRE MESH
		HTG	-HEATING	PTN	-PARTITION		
D	-DEEP, DEPTH	HV	-HIGH VOLTAGE	PVB	-POLYVINYL BUTYL	YD(S)	YARD(S)
DBL	-DOUBLE	HVAC	-HEATING/ VENTILATING/ AIR CONDITIONING	PVC	-POLYVINYL CHLORIDE		
DEG	-DEGREE			PVMT	-PAVEMENT		
DEMO	-DEMOLISH	HW	-HOT WATER				
DEPT	-DEPARTMENT	HZ	-HERTZ	QTY	-QUANTITY		
DET	-DETAIL(S)	H2O	-WATER				
DEV	-DEVELOP			R	-RADIUS, RISER		
DF	-DRINKING FOUNTAIN	ID	-INSIDE DIAMETER	RCP	-REFLECTED CEILING PLAN		
Ø/ DIA	-DIAMETER	IE	-INVERT ELEVATION	RD	-ROOF DRAIN, ROUND		
DIAG	-DIAGONAL	IF	-INSIDE FACE	REC	-RECEPTACLE		
DIM	-DIMENSION	IN	-INCH(ES)	REF	-REFERENCE		
DISP	-DISPENSER	INFO	-INFORMATION	REG	-REGULATOR		
DK	-DECK	INS	-INSULATION	REINF	-REINFORCE(D), REINFORCING		
DL	-DEAD LOAD	INT	-INTERIOR				
DMPR	-DAMPER	INV	-INVERT	REQ	-REQUIRED		
DOM	-DOMESTIC			RESIL	-RESILIENT		
DN	-DOWN			REV	-REVISE, REVISION		

ABBREVIATIONS

CS, A, AR, AC AND AS SERIES DRAWINGS ONLY;
SEE OTHER DISCIPLINES FOR ABBREVIATIONS RELATED TO ALL OTHER DRAWING SERIES.

1. CONTRACTOR SHALL MEET THE REQUIREMENTS OF ALL CODES, RULES, AND REGULATIONS GOVERNING THIS PROJECT AS SET BY FEDERAL, STATE, AND LOCAL CODES, BUILDING DEPARTMENT AGENCIES, AND THE OWNER.
2. CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE APPLICABLE ACCESSIBILITY GUIDELINES FOR ALL ASPECTS OF THIS PROJECT.
3. THESE DRAWINGS SHALL NOT BE SCALED FOR ANY REASON.
4. THE INFORMATION INCLUDED IN THESE DRAWINGS WITH REGARDS TO EXISTING BUILDINGS IS BASED ON PREVIOUS DOCUMENTATION PROVIDED TO THE ARCHITECT AS WELL AS WHAT IS READILY OBSERVABLE AT THE PROJECT SITE. DESTRUCTIVE INVESTIGATION TECHNIQUES HAVE NOT BEEN USED TO VERIFY INFORMATION THAT IS NOT READILY OBSERVABLE.
5. PROVIDE BLOCKING AS INDICATED ON THE DRAWINGS OR AT ALL WALL OR CEILING MOUNTED ACCESSORIES AS NECESSARY TO SUPPORT THE WORK. VERIFY MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS AND MANUFACTURERS RECOMMENDATIONS FOR EACH ITEM.
6. THE 0'-0" REFERENCE ELEVATION SHALL BE THE ACTUAL TOP OF SLAB ELEVATION INDICATED ON THE CIVIL DRAWINGS AND IS NOTED AS FFE = (+) XXX.X'.
7. DIMENSIONS SHOWN ARE TO FACE OF STUD OR FACE OF CONCRETE, UNLESS NOTED OTHERWISE.

GENERAL NOTES

SUBSTRATE MATERIAL	FASTENER TYPE	SPACING	EMBEDMENT
CONCRETE	1/2" EXPANSION BOLT HILTI KWIK BOLT TZ2 APPROVED EQUAL	36" OC	2 1/4"
MASONRY UNIT	1/2" DIA HILTI KWIK BOLT TZ2; GROUT BLOCK SOLID	36" OC	2 1/2'
METAL DECK	HILTI KWIK-FLEX #4 SELF DRILLING SCREW	18" OC	
STEEL	APPROVED EQUAL 1/2" DIA THRU BOLT HILTI X-U W/ WASHER	36" OC	
WOOD	APPROVED EQUAL 1/4" DIA LAG SCREW		1 1/2"

1. FASTENERS IN WOOD BLOCKING OR MASONRY SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
2. FASTENERS IN CONTACT WITH DISSIMILAR METALS SHALL BE STAINLESS STEEL.
3. FASTENERS SHALL BE NO MORE THAN 12" FROM THE END OF ANY BLOCKING SEGMENT.

FASTENERS

FOR BLOCKING ATTACHMENT ONLY AND UNLESS NOTED OTHERWISE;
SEE STRUCTURAL AND SPECIFICATIONS FOR ALL OTHER TYPES AND CONDITIONS.

- X — WALL TYPE
- X — GLAZING SYSTEM TYPE
- 101 — DOOR/FRAMED OPENING NUMBER
- OPENING NUMBER (FRAMELESS)
- X — ACCESSORY
- x — RAILING TYPE
- ROOM XXX — ROOM IDENTIFICATION
- X.X — DEMOLITION NOTE
- 9.1 — CONSTRUCTION NOTE
- CL — CENTERLINE
- REFERENCE POINT
- 1 — REVISION NUMBER
- 1 / A101 (SIM) — BUILDING SECTION REFERENCE
- 1 / A101 (SIM) — WALL SECTION REFERENCE
- 1 / A101 (SIM) — DETAIL REFERENCE
- 1 / A1.1 — ELEVATION REFERENCE
- TRUE NORTH
- PROJECT NORTH
- EXISTING CONSTRUCTION
- TO BE DEMOLISHED
- NEW WORK

KEY TO SYMBOLS

CS, A, AR, AC AND AS SERIES DRAWINGS ONLY;
SEE OTHER DISCIPLINES FOR SYMBOLS RELATED TO ALL OTHER DRAWING SERIES.

- ALUMINUM
- BATT INSULATION
- BRICK
- SALVAGED BRICK
- CONCRETE BLOCK
- SALVAGED CONCRETE BLOCK
- ARCHITECTURAL CONCRETE; CAST STONE
- CAST-IN-PLACE CONCRETE
- PRECAST CONCRETE
- EARTH
- EXISTING TO REMAIN
- EXPANSION MATERIAL
- FIBER CEMENT
- GRAVEL
- GROUT; MORTAR
- GYPSUM WALL BOARD; SPRAY FIREPROOFING
- MINERAL WOOL INSULATION
- PLYWOOD
- POCHE
- RIGID INSULATION
- MINERAL WOOL INSULATION
- STEEL
- STONE
- FINISHED WOOD
- DIMENSIONAL LUMBER
- WOOD BLOCKING; SHIM

KEY TO MATERIALS

CS, A, AR, AC AND AS SERIES DRAWINGS ONLY;
SEE OTHER DISCIPLINES FOR MATERIALS RELATED TO ALL OTHER DRAWING SERIES.

KEYNOTE	DESCRIPTION
033000-A	CONCRETE SLAB ON GRADE
033000-B	CONCRETE SLAB ON STEEL DECK (REFER TO STRUCTURAL FOR MORE INFORMATION)
033000-C	CAST IN PLACE CONCRETE WALL, SIZE AS INDICATED (REFER TO STRUCTURAL FOR MORE INFORMATION)
033000-E	CONCRETE FOOTING
033000-F	EXPANSION JOINT MATERIAL, 1/2" UNO
033000-G	UNDER SLAB VAPOR BARRIER
033000-H	WELDED WIRE FABRIC (REFER TO STRUCTURAL FOR MORE INFORMATION)
033000-M	CONTROL JOINT
035113-A	CEMENTITIOUS WOOD FIBER DECK
042000-A	CONCRETE MASONRY UNIT, SIZE AS INDICATED
042000-C	DECORATIVE CMU, SIZE AND COLOR AS INDICATED
042000-G	BOND BEAM
042000-H	JOINT REINFORCEMENT/MASONRY TIE
042000-L	METAL DRIP EDGE
042000-M	CEMENTITIOUS GROUT
042000-N	CAVITY MORTAR CONTROL
042000-Q	TERMINATION BAR WITH CONT BEAD OF SEALANT
042000-R	THRU-WALL FLASHING
042000-S	CAST STONE UNIT WITH FORMED DRIP EDGE
051200-A	STRUCTURAL STEEL (REFER TO STRUCTURAL FOR MORE INFORMATION)
052100-A	STEEL JOIST (REFER TO STRUCTURAL FOR MORE INFORMATION)
053100-A	STEEL DECK (REFER TO STRUCTURAL FOR MORE INFORMATION)
053100-B	ACOUSTIC STEEL DECK (REFER TO STRUCTURAL FOR MORE INFORMATION)
054000-A	COLD-FORMED METAL FRAMING, SIZE AS INDICATED
055000-A	STEEL ANGLE, SIZE AS INDICATED
055000-B	STEEL PLATE, SIZE AS INDICATED
055100-A	METAL STAIRS WITH CONCRETE TREADS
055213-B	STEEL PIPE, 1 1/4" NOMINAL
055213-D	STEEL BALUSTER, 1/2" SQUARE SOLID BAR
055213-F	STEEL HANDRAIL MOUNTING BRACKET
055213-G	ALUMINUM GUARDRAIL SYSTEM
055213-H	ALUMINUM PIPE, 1 1/4" NOMINAL
061000-A	DIMENSIONAL LUMBER; NOMINAL SIZE AS INDICATED
061000-B	BLOCKING
061000-C	SHIM
061000-D	EXTERIOR PLYWOOD SHEATHING; PRESERVATIVE TREATED; THICKNESS AS INDICATED
061000-F	PLYWOOD SHEATHING; FIRE-RETARDANT TREATED; 3/4" THICK UNO
064100-A	PLAM PANEL
064100-B	PLAM CASEWORK
064100-C	CONTINUOUS PLAM COUNTERTOP WITH BACKSPLASH
064100-D	CONTINUOUS PLAM COUNTERTOP
064100-G	PLAM VERTICAL SUPPORT PANEL ON 2 LAYERS OF 3/4" PLYWOOD
064100-H	FILLER PANEL, 2" WIDTH UNO OR SIZED TO FIT OPENING
064100-N	GROMMET, SIZE AND COLOR AS INDICATED
064100-P	GROMMET HOLE COVER, SIZE AND COLOR AS INDICATED
071400-A	FLUID-APPLIED WATERPROOFING
072100-C	MINERAL FIBERBOARD INSULATION, THICKNESS AS INDICATED
073113-A	ASHPHALT SHINGLE
073113-B	ROOF UNDERLAYMENT
074113-A	METAL ROOF PANEL
074633-A	SOFFIT BOARD
074633-B	VENTED SOFFIT BOARD
074633-C	FASCIA BOARD
074633-D	FRIEZE BOARD
074633-E	SIDING
074633-F	COLUMN WRAP & TRIM
074633-G	COMPOSITE PANEL
074633-H	CONTINUOUS SOFFIT VENT
075100-A	BUILT-UP BITUMINOUS ROOFING
075100-C	COVER BOARD
075100-D	ROOF INSULATION
076200-A	BRAKE METAL
076200-D	METAL FLASHING
076200-J	METAL DOWNSPOUT, SIZE AS SPECIFIED
076200-K	METAL GUTTER, SIZE AS SPECIFIED
076200-M	DRIP EDGE
076200-P	DOWNSPOUT BOOT WITH CLEANOUT, COORDINATE WITH CIVIL
078100-A	SPRAY-ON FIREPROOFING
078400-A	FIRE SAFING
078400-B	FIRESTOP SEALANT
079200-A	JOINT SEALANT AND BACKER ROD
079200-B	JOINT SEALANT
081113-A	HOLLOW METAL DOOR
081113-B	HOLLOW METAL DOOR FRAME
083323-A	OVERHEAD COILING DOOR
083323-B	HOOD
083323-C	GUIDE
084313-A	ALUMINUM STOREFRONT SYSTEM
087100	DOOR HARDWARE
087100-B	KNOX VAULT
088000-B	FRAMELESS MIRROR, SIZE AS INDICATED
092116-B	GYPSUM BOARD, TYPE 'X', 5/8" THICKNESS UNO
092116-D	GYPSUM BOARD, SHAFTLINER PANELS, 1" THICKNESS
092116-E	ABUSE RESISTANT GYPSUM BOARD, TYPE 'C', 1/2" THICKNESS
092116-F	GYPSUM BOARD, TYPE 'C', 1/2" THICKNESS
092116-H	MOLD RESISTANT GYPSUM CEILING BOARD, 1/2" THICKNESS
092116-K	SOUND ATTENUATION BLANKET, SIZE AS INDICATED
092116-L	WIRE MESH FOR CONTAINMENT OF SOUND ATTENUATION
092116-S	ABUSE- AND MOLD-RESISTANT GYPSUM BOARD, 5/8" THICKNESS UNO
092216-A	NON-STRUCTURAL METAL STUD, SIZE AS INDICATED
092216-B	NON-STRUCTURAL METAL SHAFTWALL STUD, SIZE AS INDICATED
092216-C	HAT SHAPED METAL FURRING CHANNEL, SIZE AS INDICATED
092216-D	1 1/2" METAL CARRYING CHANNEL
092216-E	Z-FURRING; SIZE AS INDICATED
092216-G	DEFLECTION TRACK
092216-H	FIRE STOP TRACK
092216-J	HANGER WIRE
092400-A	STUCCO, MATCH EXISTING
093000	TILING
093000-C	MARBLE THRESHOLD
095100-A	ACOUSTICAL CEILING PANEL
095100-B	GRID SUSPENSION SYSTEM
096429-A	GYMNASIUM WOOD FLOORING SYSTEM
096429-D	WOOD FLOORING SYSTEM SLEEPERS
096429-F	VAPOR RETARDER
096500	RESILIENT FLOORING
096500-C	RUBBER STAIR TREAD, RISER AND NOSING
096623	RESINOUS MATRIX TERRAZZO FLOORING
096700	FLUID-APPLIED FLOORING
096813	TILE CARPETING
101101-A	VISUAL DISPLAY BOARDS
101419-A	DIMENSIONAL CAST LETTERS, STAND OFF MOUNTED, SIZE AS INDICATED
102113.19-A	PLASTIC TOILET COMPARTMENT
102800-A	TOILET, BATH AND LAUNDRY ACCESSORIES
102800-B	METAL SHELF
104400-D	WALL-MOUNTED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
105100-C	LOCKER TOP TRIM BY LOCKER MANUFACTURER
105100-D	LOCKER ROOM BENCH
105126-A	PLASTIC LOCKER
105126-B	FILLER PANEL
105126-C	LOCKER SLOPED TOP
105613-A	METAL STORAGE SHELF
115213-B	ELECTRIC OPERATED PROJECTION SCREEN
115213-F	MANUAL OPERATED PROJECTION SCREEN
123553.19-A	WOOD LABORATORY CASEWORK
123600-B	CONTINUOUS SOLID SURFACE COUNTER AND BACKSPLASH
123600-C	COUNTER SUBSTRATE
220000-A	PLUMBING (REFER TO PLUMBING FOR MORE INFORMATION)
230000-A	MECHANICAL (REFER TO MECHANICAL FOR MORE INFORMATION)
260000-A	ELECTRICAL (REFER TO ELECTRICAL FOR MORE INFORMATION)
320000-C	CONCRETE SIDEWALK (REFER TO CIVIL FOR MORE INFORMATION)
323199-A	FENCE
323199-B	EGRESS GATE WITH PANIC HARDWARE
323199-C	SWING GATE WITH LATCH

KEYNOTES - MASTER LIST

THIS LIST IS GENERATED FROM THE GWWO TEMPLATE. KEYNOTES LISTED PERTAIN TO THIS PROJECT'S DESIGN. ANY GAP IN SEQUENCE IS DUE TO THE KEYNOTE NOT BEING USED.

CS, A, AR, AC AND AS SERIES DRAWINGS ONLY;
SEE OTHER DISCIPLINES FOR KEYNOTES RELATED TO ALL OTHER DRAWING SERIES.

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved
Drawing Title	ABBREVIATIONS, KEYNOTES, & SYMBOLS	Drawing Number	CS.2
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CODE ANALYSIS

GENERAL INFORMATION

PROJECT NAME: PATTERSON PARK POOL HOUSE RENOVATION AND WADING POOL
PROJECT LOCATION: BALTIMORE CITY, MARYLAND
APPLICABLE CODES
2021 MARYLAND BUILDING PERFORMANCE STANDARDS
2021 INTERNATIONAL BUILDING CODE (IBC)
2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2021 NATIONAL ELECTRIC CODE (NEC)
2021 INTERNATIONAL FUEL GAS CODE
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 INTERNATIONAL PLUMBING CODE (IPC)
2021 INTERNATIONAL FIRE CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2018 INTERNATIONAL GREEN CONSTRUCTION CODE (IgCC)
2021 INTERNATIONAL SWIMMING POOL AND SPA CODE (ISPAS)
2021 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101 - LIFE SAFETY CODE
MARYLAND ACCESSIBILITY CODE - COMAR 09.12.53
NOTE: ALL CODES ARE AS ADOPTED BY BALTIMORE CITY

NOTE: IF A CONFLICT BETWEEN APPLICABLE CODES OCCURS THE MORE RESTRICTIVE REQUIREMENT SHALL GOVERN, UNLESS NOTED OTHERWISE.

USE AND OCCUPANCY CLASSIFICATION

BUILDING USE GROUP

NON-SEPARATED MIXED USE	IBC	NFPA
ASSEMBLY GROUP A-3: COMMUNITY HALL	303.4	6.1.2.1
BUSINESS GROUP B	304	6.1.11

SPECIAL REQUIREMENTS

AUTOMATIC SPRINKLER SYSTEM
THE BUILDING IS NOT SPRINKLERED AND DOES NOT MEET THE CONDITIONS OF IBC 903.2.1.3 TO REQUIRE AN AUTOMATIC SPRINKLER SYSTEM.

SIGNAGE
PROVIDE SIGNAGE ABOVE ACCESSIBLE CEILINGS AT FIRE BARRIER WALLS, SMOKE BARRIER WALLS, AND SMOKE PARTITIONS IDENTIFYING THE WALL'S CLASSIFICATION.

RISK ANALYSIS
NFPA 101 SECTION 12.3.4.5: THE BUILDING OWNER, BALTIMORE CITY RECREATION AND PARKS, HAS CONDUCTED THIS TYPE OF RISK ANALYSIS AS A PART OF THE PROCESS TO DEVELOP THEIR BUILDING DESIGN STANDARDS. THIS PROJECT SHALL COMPLY WITH THOSE DESIGN STANDARDS.

EMERGENCY VOICE ALARM COMMUNICATIONS SYSTEM (FIRE ALARM)
EMERGENCY VOICE ALARM COMMUNICATIONS SYSTEM (FIRE ALARM) SHALL BE PROVIDED PER NFPA 101 12.3.4.3.7.

EMERGENCY RESPONDER RADIO COVERAGE SYSTEM
AN EMERGENCY RESPONDER RADIO COVERAGE SYSTEM PER IBC 918.1 IS ONLY REQUIRED IN NEW BUILDINGS. AS THIS PROJECT IS A RENOVATION AND IEBC SECTION 904 - FIRE PROTECTION DOES NOT REQUIRE COMPLIANCE WITH IBC 918.1, THIS BUILDING WILL NOT BE EQUIPPED WITH AN EMERGENCY RESPONDER RADIO COVERAGE SYSTEM.

GENERAL BUILDING HEIGHTS AND AREAS

ALLOWABLE HEIGHT, NUMBER OF STORIES, AND BUILDING AREA

	IBC (ALLOWABLE)	NFPA (ALLOWABLE)	ACTUAL
	HEIGHT - TABLE 504.3 STORIES - TABLE 504.4 AREA FACTOR - TABLE 506.2	STORIES - TABLE N/A	
CONSTRUCTION TYPE	VB	TYPE V (000)	
ASSEMBLY GROUP A3 (MOST RESTRICTIVE)	HEIGHT: 40'-0" STORIES: 1 AREA FACTOR (NS): 6,000 SF NOTE: AREA MODIFICATIONS ARE NOT REQUIRED AS THE EXISTING BUILDING IS IN COMPLIANCE.	STORIES: N/A	HEIGHT: 24'-9" STORIES: 1 AREA: 4,426 SF

BUILDING SQUARE FOOTAGE AREA

ASSEMBLY - A3 AREA	BUSINESS AREA	TOTAL BUILDING AREA
1,231 SF	3,195 SF	4,426 SF

MEANS OF EGRESS

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

	IBC	NFPA	FLOOR AREA ALLOWANCE APPLIED
OCCUPANCY DESCRIPTION	**TABLE 1004.5**	**TABLE 7.3.1.2**	
ACCESSORY STORAGE AREAS, MECHANICAL ROOMS	300 GROSS	500 GROSS	300 GROSS
ASSEMBLY - UNCONCENTRATED	15 NET	15 NET	15 NET
BUSINESS AREAS	150 GROSS	150 GROSS	150 GROSS

MEANS OF EGRESS LOADS AND DISTANCES

NON-SEPARATED MIXED USE - ASSEMBLY / BUSINESS	IBC	NFPA	MAXIMUM ALLOWED (SEE EGRESS PLANS FOR ACTUAL PROVIDED)
MAX OCCUPANT LOAD OF SPACE WITH ONE EXIT OR EXIT ACCESSWAY DOOR	TABLE 1006.2.1	7.4, 13.2.4.1, AND 39.2.4.1	
	49	49	49
MAX COMMON PATH OF EGRESS TRAVEL DISTANCE	TABLE 1006.2.1	12.2.5.1.2 AND 38.2.5.3.3	
	100 FEET	75 FEET SERVING OL ≤50 20 FEET SERVING OL > 50	75 FEET SERVING OL ≤50 20 FEET SERVING OL > 50
MAX TRAVEL DISTANCE	TABLE 1017.2	13.2.6.2 AND 39.2.6.3	
	200 FEET	200 FEET	200 FEET
MAX DEAD END	1020.4	13.2.5.1.3 AND 39.2.5.2.1	
	20 FEET	20 FEET	20 FEET

EGRESS WIDTH PER OCCUPANT SERVED

OCCUPANCY GROUP	EGRESS ELEMENT	IBC	NFPA	WIDTH FACTOR PROVIDED
		1005.3	TABLE 7.3.3.1	
A-3, B	DOORS, CORRIDORS, OTHERS	0.2"	0.2"	0.2"

MEANS OF EGRESS - CONT.

ACTUAL OCCUPANT LOAD, EGRESS CAPACITY, AND NUMBER OF EXITS

THE FOLLOWING TABLE INDICATES THE ACTUAL OCCUPANT LOAD BY STORY, PROVIDED EGRESS CAPACITY BY STORY PER IBC 1005.3, REQUIRED NUMBER OF EXITS PER IBC 1006.3.2, AND PROVIDED NUMBER OF EXITS BY STORY.

OCCUPANT LOAD, EGRESS CAPACITY, AND NUMBER OF EXITS

STORY	ACTUAL OCCUPANT LOAD	EGRESS CAPACITY PROVIDED (INCLUDES DOORS AND STAIRS)	NUMBER OF EXITS OR EXIT ACCESS	
			REQUIRED	PROVIDED
1	186 OCCUPANTS	238" = CAPACITY FOR 1,190 OCC.	2	4

CORRIDOR WIDTH
CORRIDORS WITH OCCUPANT LOAD ≥50 HAVE BEEN PROVIDED WITH MINIMUM 44 IN WIDTH AND CORRIDORS WITH OCCUPANT LOAD < 50 HAVE BEEN PROVIDED WITH MINIMUM 36 IN WIDTH PER IBC TABLE 1020.2 AND NFPA 7.3.4.1 (2), 13.2.3.8, AND 39.2.3.2.

FIRE RESISTANCE-RATED CONSTRUCTION

SPECIFIC FIRE RATING REQUIREMENTS FOR BUILDING CONSTRUCTION TYPE VB SHALL BE PER IBC AND NFPA REQUIREMENTS LISTED BELOW. WHERE THERE IS A DIFFERENCE BETWEEN THE CHART BELOW AND THE APPLICABLE CODE THE CODE SHALL PREVAIL.

SEE AC SERIES DRAWINGS FOR SPECIFIC UL ASSEMBLY REQUIREMENTS.

WHERE THERE IS A CONFLICT DIFFERENCE BETWEEN A UL PRESCRIBED ASSEMBLY AND A DETAIL ON THE DRAWINGS THE MORE RESTRICTIVE CONDITION SHALL BE CONSTRUCTED.

FIRE-RESISTIVE RATING REQUIREMENTS FOR BUILDING ELEMENTS

	IBC	NFPA	FIRE RESISTIVE RATING PROVIDED
BUILDING ELEMENT	TABLE 601	TABLE A8.2.1.2	
PRIMARY STRUCTURAL FRAME	0	0	0
BEARING WALLS EXTERIOR	0	0	0
BEARING WALLS INTERIOR *	0	0	0
NONBEARING WALLS EXTERIOR	VARIES	0	X<10' = 1 HR, X>10'= 0 HR
NONBEARING WALLS INTERIOR	0	0	0
FLOOR CONSTRUCTION	0	0	0
ROOF CONSTRUCTION	0	0	0
CORRIDOR WALLS	TABLE 1020.1	13.3.6 AND 39.3.6	
	0	0	0
DOORS - CORRIDOR WALLS	TABLE 716.5	TABLE 8.3.4.2	
	0 MINUTE	0 MINUTE	0 MINUTE

NOTE: SEE DRAWINGS FOR SPECIFIC FIRE RESISTANCE RATING LOCATIONS

MIXED USE AND OCCUPANCY

THE BUILDING SHALL HAVE NON-SEPARATED OCCUPANCIES BETWEEN THE BUSINESS USE GROUP AND THE A-3 USE GROUP.

IBC - OCCUPANCY CLASSIFICATION - 508.3.1:
NONSEPARATED OCCUPANCIES SHALL BE INDIVIDUALLY CLASSIFIED IN ACCORDANCE WITH SECTION 302.1. THE REQUIREMENTS OF THIS CODE SHALL APPLY TO EACH PORTION OF THE BUILDING BASED ON THE OCCUPANCY CLASSIFICATION OF THAT SPACE....

IBC - SEPARATION - 508.3.3:
NO SEPARATION IS REQUIRED BETWEEN NONSEPARATED OCCUPANCIES.

REQUIREMENTS - ENERGY / GREEN CODE

IEBC - ENERGY CONSERVATION - 907.1

LEVEL 3 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE....THE ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE...AS THEY RELATE TO NEW CONSTRUCTION ONLY.

MARYLAND CLIMATE ZONE: 4A

BUILDING ENVELOPE REQUIREMENTS - 2018 IECC / 2018 IgCC

LOCATION	REQUIRED U-VALUE	REQUIRED R-VALUE	PROVIDED
ROOF - INSULATION ENTIRELY ABOVE DECK	NA	NA	NA
WALLS - MASS	NA	NA	NA
WALLS ABOVE GRADE-METAL FRAMED	NA	NA	NA
FLOORS - MASS	NA	NA	NA
FLOORS - UNHEATED SLAB ON GRADE	NA	NA	NA
DOORS - ENTRANCE DOOR	U-0.3344	N/A	SEE SPECIFICATIONS
WINDOWS - FIXED	U-0.342	N/A	SEE SPECIFICATIONS
WINDOWS - OPERABLE	NA	N/A	NA

REQUIREMENTS - INTERIOR FINISH

INTERIOR WALL AND CEILING FINISH REQUIREMENTS

IBC TABLE 803.13 AND NFPA TABLE A10.2.2		
	NONSPRINKLERED	
OCCUPANCY	**INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS**	**CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS**
GROUP A-3	A	A
GROUP B	A	B

NOTE: THE MORE STRICT REQUIREMENTS OF GROUP A-3 ARE TO BE PROVIED THROUGHOUT THE BUILDING

OCCUPANCY & PLUMBING FIXTURE COUNT

IPC TABLE 403.1- PLUMBING FIXTURE REQUIREMENTS

NOTE: THE LAP POOL IS A CLASS-B PUBLIC POOL AND THE WADING POOL IS A CLASS-F POOL. PLUMBING FIXTURES FOR EACH TYPE OF POOL SHALL BE PROVIDED PER INTERNATIONAL SWIMMING POOL AND SPA CODE, SECTION 410.1 - TOILET FACILITIES. PER SECTION 410.1, ...POOLS SHALL BE PROVIDED WITH TOILET FACILITIES HAVING THE REQUIRED NUMBER OF PLUMBING FIXTURES IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE.

NOTE: WHILE THE OCCUPANT LOAD OF THE BUILDING IS 186 OCC, THE MAXIMUM OCCUPANT LOAD OF THE SITE IS 300 OCC AND IS ENFORCED BY AN OWNER'S ATTENDANT. THEREFORE, THE PLUMBING CALCULATIONS WILL USE THE LARGER LOAD OF 300 OCC.

OCCUPANCY	WATER CLOSETS		LAVATORIES		SHOWERS		DRINKING FOUNTAINS	SERVICE SINK
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
ASSEMBLY - POOLS OCCUPANT LOAD/GENDER: 300 OCC/2 = 150 OCC	1 PER 75	1 PER 40	1 PER 200	1 PER 150	NO LESS THAN 1		1 PER 1,000	1
	2.00	3.75	0.75	1.00	1		0.30	1
REQUIRED	2	4	1	1	1		1	1
PROVIDED	**2**	**4**	**2**	**3**	**2 EACH**		**2**	**1**

1. (2) LIFEGUARD RESTROOMS HAVE BEEN PROVIDED FOR STAFF USE ONLY AND HAVE NOT BEEN INCLUDED IN THE TOTALS ABOVE.
2. (1) ALL-GENDER RESTROOM HAS BEEN PROVIDED AND IS ACCESSIBLE TO BOTH GENDERS, BUT WAS NOT INCLUDED IN THE TOTALS ABOVE.

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	12" = 1'-0"	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: CODE STUDY
Drawing Number: CS.3

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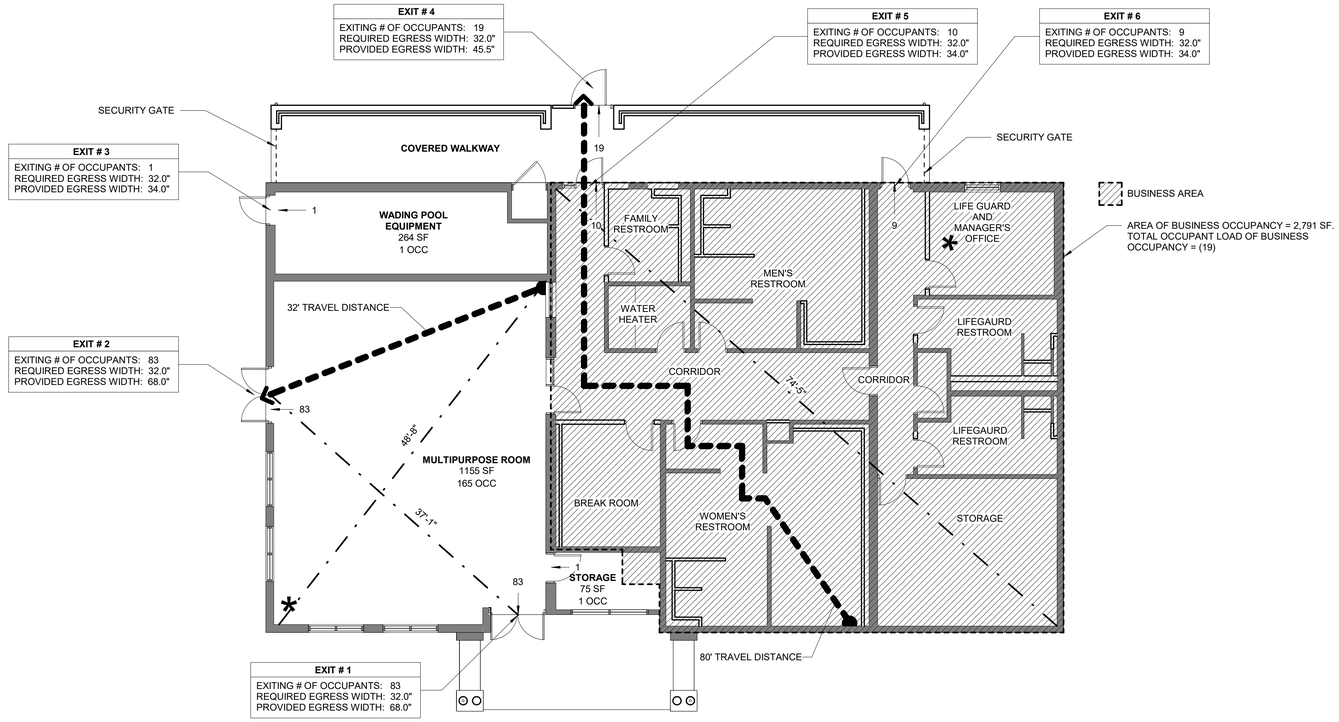
Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation - 2024.rvt
11/7/2025 9:24:52 AM



1 CS.4 EGRESS PLAN
1/8" = 1'-0"

EXITING PLAN LEGEND	
*	FIRE EXTINGUISHER

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

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POOL HOUSE
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BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved
Drawing Title: EGRESS PLANS		Drawing Number: CS.4	
Sheet	4	68	Of

Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation - 2024.rvt
11/7/2025 9:12:41 AM

PATTERSON PARK POOL HOUSE RENOVATION

PLOT PLAN

SCALE: 1"= 500'

INDEX OF SHEETS

C1.00 PLOT PLAN
C1.01 GENERAL NOTES
C2.00 EXISTING CONDITIONS & DEMOLITION PLAN
C3.00 SITE PLAN
C4.00 GRADING & UTILITY PLAN
C4.01 STORM DRAIN PROFILES
C5.00 PAVING PLAN
C6.00 GEOMETRY PLAN

KEY PLAN:

ISSUED FOR BID

MK Consulting Engineers, LLC
The Star Building
1801 Porter Street
Suite 401
Baltimore, MD 21230
(667)309-6193

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

OWNER / DEVELOPER
MAYOR & CITY COUNCIL
2601 EAST BALTIMORE ST
BALTIMORE, MD 21224

APPLICANT:
BALTIMORE CITY
DEPARTMENT OF
RECREATION AND PARKS
3001 EAST DRIVE,
BALTIMORE, MD 21217

Job No.	#23042	Author	CJ/VJP
Scale	1"=500'	Checker	AP/PC
Date	02/19/2026	Approver	AP

Drawing Title: PLOT PLAN

Drawing Number: C1.00

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GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" 1-800-257-7777 AT LEAST FIVE (5) WORKING DAYS PRIOR TO STARTING ANY WORK.
2. CONTRACTOR SHALL PROVIDE PRIVATE UTILITY LOCATOR TO LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION.
3. TOPOGRAPHIC INFORMATION SHOWN IS BASED ON A FIELD RUN SURVEY PERFORMED BY AB CONSULTANTS, INC. (APRIL 2024) AND AVAILABLE AS-BUILT PLANS PROVIDED BY BALTIMORE CITY DPW.
4. EXISTING UTILITY INFORMATION SHOWN IS BASED ON THE BEST AVAILABLE INFORMATION, WHICH INCLUDES A FIELD SURVEY PERFORMED BY AB CONSULTANTS, INC. (APRIL 2024) AND AS-BUILT WATER, WASTEWATER AND STORM DRAIN PLANS FROM BALTIMORE CITY DEPARTMENT OF PUBLIC WORKS.
5. OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. MK CONSULTING ENGINEERS, LLC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION. IN THE EVENT THAT INFORMATION IS IN CONFLICT WITH INFORMATION OUTLINED, THE CONTRACTOR SHALL IMMEDIATELY BRING IT TO THE ATTENTION OF THE ENGINEER PRIOR TO STARTING ANY WORK.
6. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES SHOWN HEREON BEFORE STARTING ANY WORK ON THESE PLANS. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR THE COST OF ANY AND ALL DAMAGES WHICH OCCUR AS A RESULT OF A FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES INDICATED TO REMAIN.
7. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES AT ALL TIMES.
8. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT AND ACCESSORIES NOT REMOVED BY LOCAL UTILITY COMPANIES, OR SPECIFIED TO BE REMOVED BY OWNER.
9. CONTRACTOR SHALL INSTALL SEDIMENT CONTROLS PRIOR TO BEGINNING ANY WORK, AND MAINTAIN SEDIMENT CONTROLS THROUGHOUT THE ENTIRE DURATION OF DEMOLITION AND CONSTRUCTION ACTIVITIES.
10. IT SHALL BE THE RESPONSIBILITY OF CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THIS PLAN PRIOR TO ANY CHANGE BEING MADE. ANY DEVIATION FROM THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
12. ALL EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IN THE EVENT THAT A PORTION OF A UTILITY IS TO BE REMOVED THE CONTRACTOR SHALL TERMINATE AND CAP TO THE LIMITS INDICATED IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.
13. CONTRACTOR SHALL PROVIDE PRIVATE UTILITY LOCATOR TO LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION. SITE UTILITY DRAWINGS OWNED BY THE DEPARTMENT OF RECREATION AND PARKS ARE AVAILABLE FOR REVIEW AT 2600 MADISON AVENUE.
14. THE SPECIFICATIONS FOR THIS PROJECT WILL BE THE CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS FOR MATERIALS, HIGHWAYS, BRIDGES, UTILITIES AND INCIDENTAL STRUCTURES 2006 EDITION AND ALL AMENDMENTS THERETO, THE SPECIAL PROVISIONS, AND THE TECHNICAL PROVISIONS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT HIS OWN EXPENSE, AND TO THE SATISFACTION OF THE UTILITY OWNER, DAMAGE TO ANY UTILITY CAUSED BY HIS WORK. HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE UTILITY OWNER OF ANY DAMAGE TO THE UTILITY BY REASON OF HIS OPERATION.
16. THIS SITE IS NOT LOCATED WITHIN THE FLOODPLAIN OR A DESIGNATED BALTIMORE SPECIAL FLOOD HAZARD AREA (SFHA).
17. THIS SITE IS NOT LOCATED WITHIN THE CRITICAL AREA.
18. THERE ARE NO STREAMS OR WETLANDS WITHIN THE PROJECT BOUNDARY.
19. SOIL EROSION AND SEDIMENT CONTROL PROCEDURES, AS DEFINED IN THE BALTIMORE CITY CODE ARTICLE 7, DIVISION 3 AND THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" SHALL BE STRICTLY ADHERED TO. CONTRACTOR SHALL EXERCISE CAUTION TO AVOID DAMAGE TO ALL INLETS.
20. FOR ALL PAVEMENT REMOVED AREAS, NEATLY SAW CUT ALL EDGES TO THE NEAREST JOINT.
21. PREPARE SOIL AND SEED ALL LAWN AREAS DISTURBED BY CONTRACTORS, VEHICULAR MOVEMENT, OR STORAGE IN ACCORDANCE WITH SPECIFICATIONS DUE TO INCIDENTAL ACTIVITIES NOT SHOWN ON THE DRAWINGS BUT ASSOCIATED WITH WORK.
22. INSTALL TREE PROTECTION FENCE AS SHOWN ON THESE DRAWINGS. MINIMIZE EQUIPMENT ACTIVITY WITHIN THE DRIP-LINE OF EXISTING TREES. THERE SHALL BE NO STORAGE OF MATERIALS OR EQUIPMENT PERMITTED WITHIN THE FENCED AREAS. MAINTAIN TREE PROTECTION FENCE UNTIL DIRECTED BY THE ENGINEER TO REMOVE. CONTRACTOR TO SCHEDULE A PRE-CONSTRUCTION WALK TO VERIFY TREE PROTECTION REQUIREMENTS WITH THE ENGINEER.
23. NEW WORK SHALL MEET AND MATCH EXISTING ALIGNMENT OF FEATURES AND FINISHED GRADES AT LIMITS OF WORK. ADJUST HEIGHTS OF EXISTING MANHOLES AND SURFACE UTILITY COVERS TO MEET FLUSH WITH PROPOSED ELEVATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND IMMEDIATELY REPORT DISCREPANCIES TO THE ENGINEER TO MAKE NECESSARY ADJUSTMENTS BEFORE COMMENCING WITH WORK.
24. CONTRACTOR SHALL PROVIDE 8' HIGH TEMPORARY CONSTRUCTION FENCE AROUND THE LIMITS OF DISTURBANCE (LOD).
25. THERE SHALL BE NO CONSTRUCTION ACTIVITIES AND CONSTRUCTION VEHICLE ACCESS ALLOWED OUTSIDE THE LIMITS OF WORK (LOW). NO STORAGE OF MATERIAL IS ALLOWED OUTSIDE THE LIMITS OF WORK (LOW). LIMITS OF DISTURBANCE (LOD) ARE SHOWN ON THE SEDIMENT EROSION CONTROL PLAN.
26. THE CONTRACTOR IS TO REMOVE AND SALVAGE ALL EXISTING POOL EQUIPMENT AND COORDINATE WITH BALTIMORE CITY RECREATION AND PARK OFFICE OF OPERATIONS AND MAINTENANCE BY CONTACTING MR. DEMOS ANASTASIADES AT (443) 401-2993 OR EMAIL DEMOS.ANASTASIADES@BALTIMORECITY.GOV.
27. THE CONTRACTOR SHALL BE REQUIRED TO PREPARE A CONSTRUCTION MATERIAL AND WASTE MANAGEMENT PLAN IN ACCORDANCE WITH "SECTION 1006 DEMOLITION" OF THE "INTERNATIONAL GREEN CONSTRUCTION CODE".
28. REFER TO ARCHITECTURAL PLANS FOR CONCRETE PAD LOCATIONS AT EXTERIOR DOORS AND ADDITIONAL CONTROL JOINT LOCATIONS.

HIGHWAY ENGINEERING NOTES

1. FOR DRIVEWAY APRONS REPAIRS REFER TO CITY STANDARD DETAILS BC 500.01.
2. FOR CURB AND GUTTER REPAIRS REFER TO CITY STANDARD DETAILS BC 620.06 & C 620.11. EXISTING CURB AND GUTTER SHALL BE REPLACED IN KIND TO THE NEAREST EXISTING JOINT.
3. FOR CONCRETE SIDEWALK REPAIRS REFER TO CITY STANDARD DETAILS BC 655.01 & BC 655.05. EXISTING SIDEWALK SHALL BE REPLACED TO THE NEAREST EXISTING JOINT.
4. FOR SIDEWALK RAMP REPAIRS REFER TO CITY STANDARD DETAILS BC 655.11 - BC 655.13 & BC 655.40.
5. WHERE NEW SIDEWALK CROSSES THE DRIVEWAY, MAINTAIN A 2% CROSS SLOPE TO COMPLY WITH THE ADA STANDARDS.
6. FOR ALL ASPHALT, CONCRETE, AND GENERAL ROADWAY DETAILS, REFER TO THE LATEST VERSIONS.

CONDUIT NOTES

1. THE CONTRACTOR SHALL EXERCISE CAUTION WHILE WORKING NEAR THE BALTIMORE CITY CONDUIT DUCT SYSTEM. CONTRACTOR SHALL SUBMIT A WRITTEN WORK PLAN WHEN WORKING ADJACENT TO OR AROUND BALTIMORE CITY CONDUIT DUCT SYSTEMS.
2. THE CONTRACTOR SHALL NOTIFY MR. ERNEST GEORGE, AT (410)396-1515, OF BALTIMORE CITY DEPARTMENT OF TRANSPORTATION'S CONDUIT DIVISION AT LEAST (2) WEEKS PRIOR TO STARTING ANY CONSTRUCTION WORK. CABLE INSTALLATION BY BGE WILL NOT BE CARRIED OUT WITHOUT COMPLETION OF AN INSPECTION BY CONDUIT MAINTENANCE.
3. THE CONTRACTOR SHALL MAINTAIN 12 INCHES MINIMUM OF SEPARATION BETWEEN THE WATER MAINS AND ANY EXISTING CONDUIT INFRASTRUCTURE. WHERE WATER MAIN IS TO CROSS THE EXISTING CONDUIT SYSTEM, THE DUCTBANK SHALL BE SUPPORTED PER DETAIL BC 841.01. COST OF WHICH SHALL BE INCIDENTAL TO APPROPRIATE BID ITEMS.
4. SEE ELECTRICAL PLANS FOR SITE LIGHTING AND CONDUIT LOCATIONS.

BALTIMORE GAS & ELECTRIC (BGE) NOTES

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADJUSTING FRAMES AND COVERS OVER BGE MAINS/FACILITIES LOCATED WITHIN THE PROJECT AREA.
2. THESE DOCUMENTS INCLUDE INFORMATION AND DEPICTIONS OF BALTIMORE GAS AND ELECTRIC COMPANY'S (BGE) ELECTRIC AND/OR GAS UTILITIES AND TELECOMMUNICATIONS LOCATED WITHIN THE PROJECT AREA (THE BGE UTILITY INFORMATION). LOCATIONS, DIMENSIONS, DEPTHS, AND OTHER DETAILS OF ANY SUCH UTILITIES MAY NOT BE AS-BUILT AND THE INFORMATION SHALL NOT BE RELIED UPON WITHOUT FIELD VERIFICATION.
3. EXCAVATORS MUST EMPLOY SAFE DIGGING BEST PRACTICES WHEN APPROACHING BGE ELECTRIC AND GAS UTILITIES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, INCLUDING, BUT NOT LIMITED TO, THE "MISS UTILITY LAW". NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES, EXPRESSED OR IMPLIED, ARE MADE BY BGE AS TO THE QUALITY, COMPLETENESS, OR ACCURACY OF THE BGE UTILITIES.
4. CONTRACTOR SHALL COORDINATE ALL DISCONNECTIONS AND REMOVAL OF EXISTING GAS, ELECTRIC AND TELEPHONE SERVICES AND EQUIPMENT WITH BALTIMORE GAS & ELECTRIC AND VERIZON.

SANITARY SEWER CIPP REHABILITATION NOTES

1. REFER TO SPECIFICATIONS FOR CURED-IN-PLACE PIPE (CIPP) LINING REQUIREMENTS.
2. THE CONTRACTOR SHALL CLEAN AND CLOSED CIRCUIT TV (CCTV) INSPECT THE EXISTING SANITARY SEWER PRIOR TO CURED-IN-PLACE PIPE (CIPP) LINING TO VERIFY PIPE CHARACTERISTICS, IDENTIFY AND LOCATE SEWER CONNECTIONS, AND IDENTIFY AND LOCATE ANY SEWER PIPE DEFECTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DEFECTS THAT COULD AFFECT THE INSTALLATION OF CIPP LINING THE CONTRACTOR SHALL REPAIR PIPE DEFECTS PER THE CITY'S DIRECTION PRIOR TO INSTALLING LINER.
3. SANITARY SEWER SERVICE SHALL BE MAINTAINED AT ALL TIMES.
4. EACH SECTION OF CIPP LINING SHALL BE INSTALLED AND CURED IN ONE MOBILIZATION AND REACH FROM ONE MANHOLE TO THE NEXT AT MINIMUM. WHERE PIPE SEGMENTS INCLUDE CIPP LINING AND A POINT REPAIR OR REPLACEMENT, THE CIPP LINING SHALL BE INSTALLED AFTER THE REPAIR IS MADE AND CONTINUE THROUGH THE NEW OR REPAIRED PIPE SEGMENTS.
5. POST-INSTALLATION CCTV INSPECTION MUST BE CONDUCTED FOR EACH SANITARY SEWER LINE TO CHECK FOR LINER DEFECTS OR WRINKLING.

UTILITY NOTES

1. THE CONTRACTOR WILL BE REQUIRED TO HAND DIG AT CERTAIN LOCATIONS TO AVOID DISTURBING AND/OR DAMAGING EXISTING UTILITIES. ALL COSTS ASSOCIATED WITH SUCH HAND DIGGING SHALL BE CONSIDERED INCIDENTAL TO ALL UTILITY BID ITEMS AND NO SEPARATE PAYMENT WILL BE MADE.
2. ALL DRAINAGE AND UTILITY STRUCTURES LOCATED WITHIN THE LIMITS OF CONSTRUCTION, IF FOUND DAMAGED OR IN NEED OF REPLACEMENT WILL BE REPORTED TO THE ONSITE CONSTRUCTION MANAGEMENT INSPECTOR, FOR FURTHER INVESTIGATION AND CONSIDERATION.
3. WHEN IMPACTING OR CROSSING EXISTING UTILITIES, THE CONTRACTOR SHALL SUPPORT, BRACE AND PROTECT SUCH UTILITIES DURING CONSTRUCTION. SUPPORT OF EXISTING CONDUITS AND DUCTBANKS SHALL CONFORM TO STANDARD DETAIL BC 841.01. COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT AND NO ADDITIONAL PAYMENT WILL BE MADE. THE CONTRACTOR IS ALSO ADVISED TO EXERCISE EXTREME CARE WHEN DIGGING ADJACENT TO OR CROSSING EXISTING UTILITIES. ANY DAMAGE TO THE EXISTING UTILITIES SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR AT NO COST TO THE CITY.
4. WHEN INSTALLING NEW WATER MAINS, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" VERTICAL AND 10' HORIZONTAL CLEARANCE BETWEEN THE WATER MAINS AND EXISTING SEWER MAINS OR STORM DRAINS CONSIDERING EDGE TO EDGE DISTANCE. AT CROSSINGS, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SUCH THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. FOR CLEARANCE LESS THAN SPECIFIED, WATER MAIN SHALL BE PROTECTED AS SHOWN ON PLANS. WATER MAIN SHALL HAVE A MINIMUM VERTICAL CLEARANCE AT OTHER DRY UTILITY CROSSINGS.
5. THE CONTRACTOR SHOULD TAKE PRECAUTION WHEN WORKING WITHIN CLOSE PROXIMITY OF SANITARY SEWERS, SEWER HOUSE CONNECTIONS AND SANITARY MANHOLES. ANY DAMAGE TO THE SEWER LINES OR MANHOLES AS A RESULT OF THE CONTRACTOR'S ACTIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND AS PER THE CITY OF BALTIMORE STANDARDS. IN ADDITION, ALL SANITARY SEWER STRUCTURES LOCATED WITHIN THE LIMITS OF CONSTRUCTION, IF FOUND IN NEED OF REPAIR OR REPLACEMENT, WILL BE REPORTED TO THE ONSITE CONSTRUCTION MANAGEMENT INSPECTOR FOR FURTHER INVESTIGATIONS AND CONSIDERATION.
6. ANY PROPOSED ADJUSTMENTS TO SANITARY SEWERS AND MANHOLES OR OTHER UTILITIES DURING CONSTRUCTION MUST BE APPROVED BY THE ENGINEER IN WRITING. A COPY OF AS-BUILTS FOR SUCH ADJUSTMENTS MUST BE PROVIDED TO THE ENGINEER AFTER CONSTRUCTION.
7. ALL CLEANOUTS LOCATED IN PAVED AREAS SHALL HAVE COUNTERSUNK LIDS.
8. SANITARY SEWER LINES OUTSIDE OF THE BUILDING WILL BE PVC CLASS SDR 35.
9. SEE PLUMBING PLANS FOR CONTINUATION OF UTILITY CONNECTIONS TO THE BUILDING.
10. ALL CHANNELS IN MANHOLES SHALL BE CONSTRUCTED TO CONFORM AS CLOSE AS POSSIBLE TO THE STANDARD CHANNELS CALLED FOR IN THE UTILITY PROFILES.
11. STORM DRAIN PIPE AND FITTINGS SHALL BE BLUE SEAL WATER-TIGHT CORRUGATED POLYETHYLENE PIPE (HDPE) OR APPROVED EQUAL (UNLESS NOTED OTHERWISE), AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC.
12. ON SITE FIRE HYDRANTS ARE TO BE PAINTED RED AND FIRE HYDRANTS STREAMER NOZZLE TO FACE DRIVE AISLES.

GRADING NOTES

1. STAKEOUT THE LOCATION AND ELEVATIONS OF ALL PROPOSED SITE WORK FOR REVIEW BY THE ENGINEER PRIOR TO BEGINNING WORK. SEE LAYOUT PLAN ON SHEET C3.00.
2. ALL AREAS DISTURBED BY GRADING OPERATIONS SHALL RECEIVE TOPSOIL AT 4" DEPTH.
3. IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN THE PLAN AND EXISTING FIELD CONDITIONS PRIOR TO PROCEEDING.
4. NEW PAVEMENTS AND CURBS FINISHED GRADES SURFACES TO MEET FLUSH WITH EXISTING PAVEMENT AND CURB FINISHED GRADE SURFACES UNLESS OTHERWISE NOTED ON THE GRADING PLAN ON SHEET C4.00.
5. NEW WORK SHALL MEET AND MATCH EXISTING ALIGNMENTS OF FEATURES AND FINISHED GRADES AT LIMITS OF WORK. ADJUST HEIGHTS OF EXISTING MANHOLES AND SURFACE UTILITY COVERS TO MEET FLUSH WITH PROPOSED WALKS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND IMMEDIATELY REPORT
6. DISCREPANCIES TO ENGINEER TO MAKE NECESSARY ADJUSTMENTS BEFORE COMMENCING WITH WORK.
7. FOR LAYOUT, ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL STAKE THE LAYOUT AND ELEVATIONS OF ALL SITE FEATURES INCLUDING WALLS, WALKS, GATES, SIGNS, SWINGS AND OUTDOOR FITNESS EQUIPMENT.
9. DIMENSIONS ARE SHOWN FROM THE FRONT FACE OF CURBS, WALLS AND STEPS UNLESS OTHERWISE SPECIFIED ON THE LAYOUT (STAKE OUT) PLAN OR CONSTRUCTION DETAILS. PAVEMENTS ARE DIMENSIONED FROM EDGE TO EDGE OF PAVEMENT.
10. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR SITE FURNISHINGS INCLUDING MASONRY MATERIALS, VEHICULAR METAL GATES, BOLLARDS, PICNIC TABLES AND SEATS, DRINKING FOUNTAIN AND INSTALLATION OF SITE AMENITIES. ALL PROPOSED SITE AMENITIES INCLUDED IN THIS PROJECT. THE DIMENSIONAL MEASUREMENTS FOR METAL VEHICULAR GATES, POSTS, AND FENCES ARE TO FIELD VERIFIED BY THE CONTRACTOR AND TO BE PROVIDED TO THE SITE AMENITY'S MANUFACTURER TO PREPARE SITE SPECIFIC SHOP DRAWINGS TO ACCURATELY FIT AND ATTACH TO POSTS AND FENCING AT CURBS, WALLS, PAVEMENTS AND FREE STANDING EXISTING AND PROPOSED STRUCTURES.
11. PAVEMENT RADII ARE 5 FEET UNLESS OTHERWISE DIMENSIONED ON THE LAYOUT PLAN, SHEET C5.00.
12. FOR ADDITIONAL LAYOUT INFORMATION, DIMENSIONAL SIZES AND MATERIALS, SEE THE GRADING PLAN ON SHEET C4.00 AND CONSTRUCTION DETAILS ON SHEET C5.00 .
13. CONTRACTOR IS RESPONSIBLE FOR INSTALLING PAVEMENT SURFACES WITH SLOPES AND CROSS SLOPES ACCORDING TO THE PLAN. IF PAVEMENT SURFACES ARE FOUND TO BE NOT IN COMPLIANCE AT ANYTIME IN THE FUTURE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REINSTALLING TO RECTIFY INCORRECT PAVEMENT SLOPE INSTALLATIONS.

DEMOLITION NOTES

1. CONTRACT IS TO INCLUDE ALL DEMOLITION REQUIRED TO COMPLETE JOB. DEMOLITION PLAN IS FOR CONTRACTOR'S CONVENIENCE. CONTRACTOR IS RESPONSIBLE FOR MAKING SITE VISIT TO VERIFY DEMOLITION REQUIREMENTS PRIOR TO BIDDING. CONTRACTOR IS DIRECTED TO REVIEW ALL PLANS, DETAILS, AND SPECIFICATIONS OF PROJECT RELATIVE TO THE EXTENT OF DEMOLITION REQUIRED. CONTRACTOR'S BID SHALL BE BASED ON THE RESULTS OF HIS OBSERVATION AS TO THE EXTENT OF DEMOLITION REQUIRED.
2. DEMOLITION ITEMS ARE TO INCLUDE ALL WORK REQUIRED TO REMOVE ITEM FROM SITE COMPLETELY.
3. NO ITEMS ARE TO BE BURNED OR BURIED ON THE SITE.
4. PERMITS AND FEES REQUIRED FOR ANY DEMOLITION / DISPOSAL WORK MUST BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE.
5. SALVAGED MATERIALS: ALL SALVAGEABLE GRATES, FRAMES AND COVERS FROM STORMAWATER INLETS, MANHOLES, ETC WHICH WILL NOT BE REUSED ON THE PROJECT SHALL BE SALVAGED AS BALTIMORE CITY PROPERTY AND SHALL BE DELIVERED TO DRUID HILL PARK'S CITY YARD AS DIRECTED BY THE ENGINEER. OTHER MATERIALS TO BE REMOVED BY CONTRACTOR AND SALVAGED AS BALTIMORE CITY PROPERTY WILL INCLUDE TRAFFIC SIGN, PARK INFORMATION SIGNS, AND PLAY EQUIPMENT STRUCTURES (RIBBON CLIMBER AND CLIMBING BARS AND BELT AND TOT SWINGS AND EXCLUDES THE SWING METAL FRAME).
6. ALONG EDGE OF THE LIMIT OF DISTURBANCE, SELECTIVELY PRUNE EXISTING TREES TO PROVIDE 12 FOOT MINIMUM HEIGHT CLEARANCE OVER PROPERTY LIMITS OF THE PARK. CONTRACTOR SHALL SCHEDULE (3) DAYS PRIOR TO MEET THE ENGINEER ON SITE TO PRE-TAG TREE BRANCHES TO BE REMOVED. SEE CONTRACT SPECIFICATION'S SECTION 01 56 34. MINIMIZE EQUIPMENT ACTIVITY WITHIN THE DRIP LINES OF EXISTING TREES. THERE SHALL BE NO STORAGE OF MATERIALS OR EQUIPMENT PERMITTED WITHIN THE DRIP LINES OF EXISTING TREES. MAINTAIN TREE PROTECTION FENCE (SILT FENCE) UNTIL DIRECTED BY THE ENGINEER TO BE REMOVED. ALL TREES SHOWN ON PLAN ARE TO REMAIN. CITY FIELD INSPECTORS WILL WALK THE SITE WITHOUT NOTICE TO VERIFY EXISTING TREES ARE NOT DISTURBED OR DAMAGED.
7. DISPOSAL OF DEMOLISHED CONCRETE, PAVING, BRICKS, PIPING, CHAIN LINK FENCING, STEEL AND WOOD POSTS AND OTHER ITEMS TO BE DISPOSED SHALL BE IN ACCORDANCE WITH THE CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS' STANDARD AND ALL LOCAL, STATE AND FEDERAL GUIDELINES FOR DISPOSAL OF CONSTRUCTION MATERIALS.
8. DEMOLITION OF DESIGNATED PAVEMENT, CONCRETE CURBS, WOOD TIES, PLAY EQUIPMENT, FENCING, SITE FURNISHINGS, UTILITY STRUCTURES AND PIPES, TREES AND OTHER ITEMS IN THEIR ENTIRETY OR IN PART AS NOTED ON THE DRAWINGS.
9. SAME DAY (24 HOURS) EXCAVATE AND STABILIZE WATER, STORM DRAINAGE, AND ELECTRICAL UTILITY TRENCHES.

BALTIMORE CITY STORM DRAIN NOTES

1. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FIVE (5) DAYS PRIOR TO CONSTRUCTION AND BGE (410-281-3507) AT LEAST TWO (2) DAYS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR MUST SUBMIT A WRITTEN NOTIFICATION PLANS REVIEW AND INSPECTION SECTION AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BEGINNING CONSTRUCTION / LAND DISTURBANCE ACTIVITIES TO THE DPW, OFFICE OF RESEARCH AND ENVIRONMENTAL PROTECTION: 3001 DRUID PARK DRIVE, ROOM 228 BALTIMORE, MD 21215, DPW.ESGINSPECTIONS@BALTIMORECITY.GOV.
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF BALTIMORE BOOK OF STANDARDS AND CITY OF BALTIMORE MANUAL OF DESIGN PROCEDURE AND CRITERIA.
4. THE CONTRACTOR MUST TEST PIT TO CONFIRM INVERT ELEVATION OF EXISTING STORM DRAIN AT ALL NEW CONNECTIONS AND ALL EXISTING UTILITY CROSSINGS PRIOR TO ANY NEW CONSTRUCTION. ANY DEVIATION NOTED FROM TEST PIT INFORMATION WILL REQUIRE RED LINE REVISED PLANS APPROVED BY THE DPW OFFICE OF COMPLIANCE AND RESEARCH, PLANS REVIEW AND INSPECTION SECTION PRIOR TO ANY NEW CONSTRUCTION.
5. THE CONTRACTOR SHALL VIDEO INSPECT THE NEW STORM DRAINS AND SUBMIT A DVD/CD FOR THE VIDEO INSPECTION TO DPW.
6. THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS TO THE PLANS REVIEW AND INSPECTION SECTION.
7. ALL EXISTING UTILITIES SHALL BE RETAINED UNLESS MARKED OTHERWISE. EXISTING UTILITIES TO BE REPLACED OR RELOCATED SHALL REMAIN IN SERVICE UNTIL REPLACED OR RELOCATED UTILITIES ARE OPERATIONAL. ALL EXISTING UTILITY APPURTENANCES SHALL BE ADJUSTED FOR FINAL GRADE.

WATER NOTES

1. THE CONTRACTOR SHALL NOTIFY THE WATER AND WASTEWATER MAINTENANCE DIVISION AT (410) 396-7870 AT LEAST TWO (2) WEEKS PRIOR TO START OF CONSTRUCTION.
2. ALL NEW WATER MAINS SHALL BE ZINC COATED DUCTILE IRON PIPE CLASS 54 WITH A BITUMINOUS TOPCOAT, AS SPECIFIED HEREIN, AND IN ACCORDANCE WITH THE LATEST REVISION ANSI/AWWA C150/A21.50, ANSI/AWWA C151/A21.51, AND MANUFACTURER'S RECOMMENDATION. NEW DUCTILE IRON FITTINGS SHALL BE 350 PSI PRESSURE RATING IN ACCORDANCE WITH THE LATEST REVISION OF ANSI/ AWWA C110/A21.10 OR ANSI/AWWA C153/A21.53 AND SHALL BE PROVIDED WITH A ZINC BASE COAT AND BITUMINOUS TOPCOAT, OR FUSION-BONDED EPOXY COATING INSIDE OUTSIDE PER ANSI/AWWA C116/A21.16. INTERIOR SURFACES OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE CLEANED AND LINED AT THE PIPE CASTING FACILITY WITH DOUBLE THICKNESS CEMENT MORTAR LINING APPLIED IN CONFORMANCE WITH THE ANSI/AWWA C104/A21.4 LATEST REVISIONS. MAXIMUM DEFLECTION OF THE PIPE JOINTS SHALL NOT EXCEED 80% OF THE MANUFACTURER'S RECOMMENDATION.
3. ALL NEW WATER MAINS SHALL BE INSTALLED WITH MIN. 4 FEET OF COVER UNLESS OTHERWISE NOTED ON THE PLANS. AT CROSSING UTILITIES, MIN. 3.5 FEET COVER SHALL BE MAINTAINED UNLESS SHOWN OTHERWISE OR DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL IDENTIFY ALL VALVES NEEDED FOR SHUTDOWN OF THE MAIN IF ANY PRIOR TO REQUESTING THE SHUTDOWN. THE CONTRACTOR SHALL SUBMIT THE 'BALTIMORE CITY & BALTIMORE COUNTY CONTRACTOR SHUTDOWN REQUEST FORM' FOUND IN THE CONTRACT SPECIFICATIONS AT LEAST (7) WORKING DAYS PRIOR TO THE REQUESTED SHUTDOWN DATE. ONLY BALTIMORE CITY DPW SHALL OPERATE THE VALVES.
5. THE CONTRACTOR SHALL MAINTAIN UNINTERRUPTED SERVICE FOR ALL WATER SERVICE CONNECTIONS DISTURBED BY THESE CONSTRUCTION ACTIVITIES. SHOULD A SHORT DURATION SHUTDOWN BE NECESSARY, CONTRACTOR SHALL NOTIFY PROPERTIES AFFECTED BY A SHUTDOWN AT LEAST 48 HOURS PRIOR TO THE SHUTDOWN. COST SHALL BE INCIDENTAL TO THE APPROPRIATE UTILITY BID ITEMS IN THIS CONTRACT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BLOCKING AND RESTRAINING ALL EXISTING VALVES, FITTINGS, AND PIPE AND OR VALVES.
7. THE CONTRACTOR SHALL INSTALL NEW THRUST BLOCK, BUTTRESSES, AND ANCHORS WHERE SPECIFIED ON THE DRAWINGS, IN ACCORDANCE WITH THE BALTIMORE CITY DPW STANDARD SPECIFICATIONS & DETAILS. THE CONTRACTOR SHALL MAKE SURE THAT THE NEW BUTTRESS IS COMPLETELY CURED BEFORE PUTTING THE NEW MAIN CONNECTIONS IN SERVICE.
8. GENERALLY, CONNECTION OF NEW DUCTILE IRON PIPE TO THE EXISTING CAST IRON PIPE, AT LOCATIONS SHOWN ON THE CONTRACT DRAWINGS, SHALL BE MADE USING TRANSITION COUPLINGS. CONTRACTOR SHALL ONLY INSTALL INSULATING COUPLINGS ONLY WHEN SPECIFIED AS PART OF CORROSION PROTECTION, AT LOCATIONS SHOWN ON THE CONTRACT DRAWINGS.
9. THE COMPLETED WATER MAINS MUST BE DISINFECTED AND TESTED IN ACCORDANCE WITH THE CITY STANDARDS AND THE LATEST VERSION OF AWWA STANDARD C651. RESULTS OF THE BACTERIOLOGICAL SAMPLES MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL.
10. IN ACCORDANCE WITH CODE OF MARYLAND REGULATIONS (COMAR) 26.04.01.33, DIRECT AND INDIRECT ADDITIVES. SUPPLIERS OF WATER SHALL ONLY USE PRODUCTS (ANY MATERIALS THAT COME IN CONTACT WITH WATER INTENDED FOR USE IN PUBLIC WATER SUPPLY) THAT MEET THE APPLICABLE AMERICAN NATIONAL STANDARDS INSTITUTE/ NSF INTERNATIONAL (ANSI/NSF) STANDARDS FOR DIRECT OR INDIRECT DRINKING WATER ADDITIVES. THE PRODUCTS CAN ALSO BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY THE ANSI FOR SUCH TESTING (I.E. INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS RESEARCH AND TESTING, ONTARIO CA, UNDERWRITERS LABORATORY, NORTHBROOK IL, AND WATER QUALITY ASSOCIATION, LISLE IL).
11. IN COMPLIANCE WITH COMAR 09.20.01.03 AND THE SAFE DRINKING WATER ACT (SECTION 1417(A)(4)(B), MATERIALS THAT COME IN CONTACT WITH WATER INTENDED FOR USE PUBLIC WATER SUPPLY SHALL COMPLY WITH THE REDUCTION OF LEAD IN DRINKING WATER ACT, WHICH WENT INTO EFFECT IN MARYLAND IN JANUARY 2012.
12. ALL WATER PIPING, TUBING, FITTINGS AND JOINING METHODS SHALL BE ACCORDING TO THE FOLLOWING APPLICATIONS:

    4 INCHES (DN 100) TO 8 INCHES (DN 200): CLASS 'D' OR CLASS 250, DUCTILE IRON PIPE, DUCTILE IRON COMPACT FITTINGS, AND MECHANICAL JOINTS WITH RETAINER GLANDS.

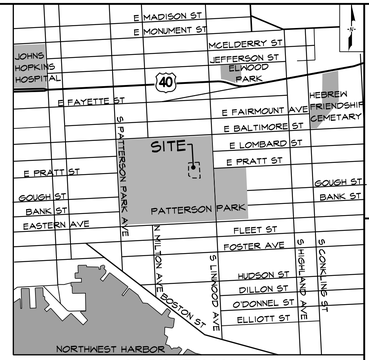
GENERAL LAYOUT NOTES

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IF THERE ARE ANY DIMENSIONAL DISCREPANCIES BETWEEN THE P

BENCHMARK DATA

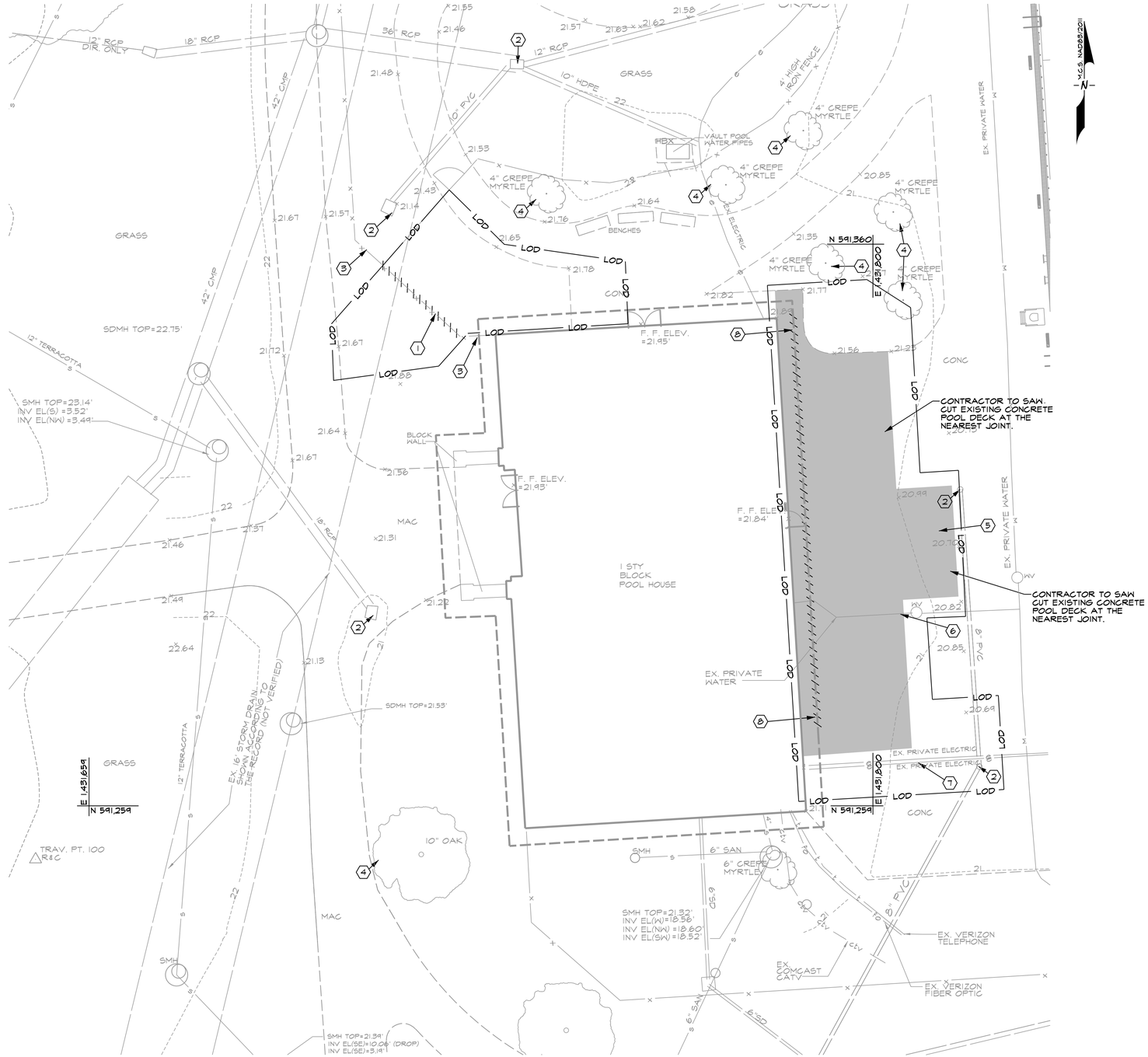
COORDINATES ARE BASED ON THE MARYLAND STATE COORDINATE SYSTEM, NAD 83 DATUM PROJECTED BY THE DEPARTMENT OF PUBLIC WORKS OF ANNE ARUNDEL COUNTY, MARYLAND, ELEVATIONS ARE NAVD 88.

POINT#	NORTHING	EASTING	ELEV.
100	591,249.38	1,431,649.38	23.96



VICINITY MAP
SCALE: 1"= 1000'

KEY PLAN:



EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: 1" = 10'

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1 inch = 10 ft.

LEGEND

- EX. CONTOUR
- EX. ROAD
- EX. CONCRETE SIDEWALK
- EX. ELECTRIC
- EX. CABLE TV
- EX. COMMUNICATION
- EX. FIBER OPTIC
- EX. GAS
- EX. FENCE
- EX. 15" DRAIN — EX. STORM DRAIN
- EX. 8" SAN — EX. SANITARY SEWER
- EX. 4" WATER — EX. WATER
- EX. MANHOLE
- EX. FIRE HYDRANT
- EX. WATER VALVE
- EX. INLET
- EX. TREE
- APPROXIMATE LIMITS OF EX. POOL DECK TO BE REMOVED
- APPROXIMATE LIMITS OF EX. UTILITIES OR FENCE TO BE REMOVED
- LOD — LIMIT OF DISTURBANCE

DEMOLITION KEY

1. EX. FENCE TO BE REMOVED AND REPLACED.SEE ARCHITECTURAL PLANS FOR DETAILS.
2. EX. STORM DRAIN / INLET TO REMAIN.
3. EX. FENCE TO REMAIN
4. EX. TREE TO REMAIN.
5. EX. PAVING TO BE REMOVED AND REPLACED
6. EX. WATERLINE TO REMAIN. CONTRACTOR TO TEST PIT TO VERIFY LOCATION AND DEPTH.
7. EX. ELECTRICAL TO REMAIN. CONTRACTOR TO TEST PIT/ EXCAVATE WITH CAUTION AS EXACT LOCATION AND DEPTH IS UNKOWN.
8. EX. ROOF EDGE TO BE REMOVED AND REPLACED WITH ROOF EXTENSION. SEE ARCHITECTURAL PLANS FOR DETAILS.

OWNER / DEVELOPER
MAYOR & CITY COUNCIL
2601 EAST BALTIMORE ST
BALTIMORE, MD 21224

APPLICANT:
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS
3001 EAST DRIVE,
BALTIMORE, MD 21217

ISSUED FOR BID

MK Consulting Engineers, LLC
The Star Building
1801 Porter Street
Suite 401
Baltimore, MD 21230
(667)309-6193

Seal:

GWWO INC.
www.gwwoinc.com

Seal:

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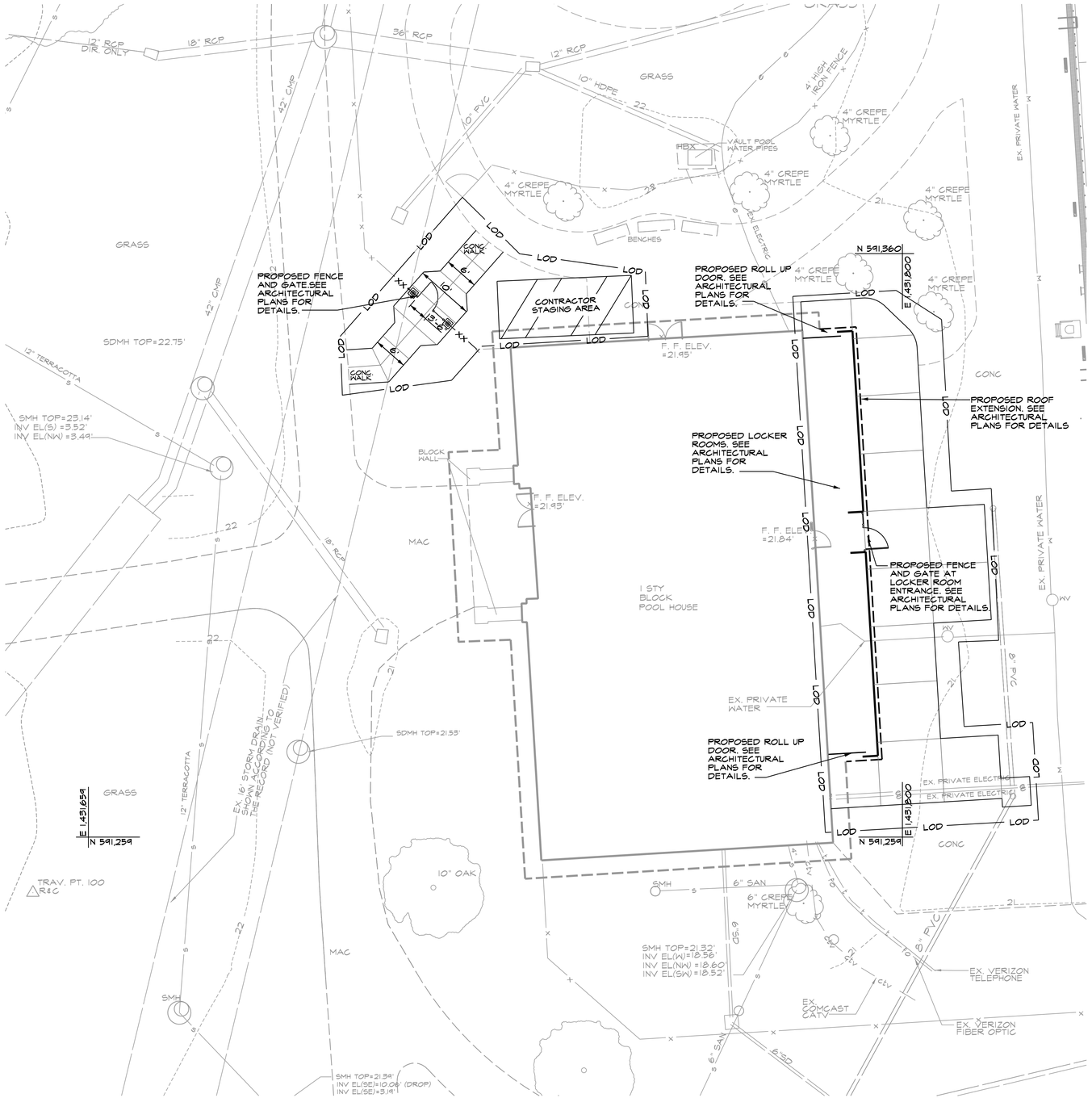
Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	Author	CJ/VJP
Scale	1"=10'	Checker	AP/PC
Date	02/19/2026	Approver	AP
Drawing Title: EXISTING CONDITIONS AND DEMOLITION PLAN		Drawing Number	C2.00
Sheet	7	68	Of



SITE PLAN

SCALE: 1" = 10'

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

NOTE:
CONTRACTOR TO PROTECT EXISTING CONCRETE UNDER STAGING AREA. CONTRACTOR TO REPLACE CONCRETE DAMAGED DURING CONSTRUCTION.

BENCHMARK DATA

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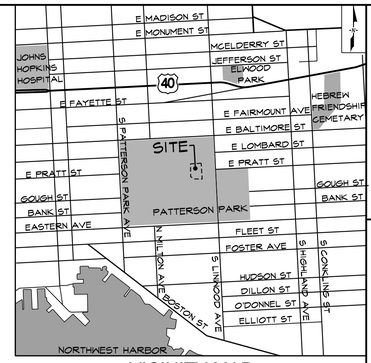
- EX. COMMUNICATION
- EX. FIBER OPTIC
- EX. GAS
- EX. FENCE
- EX. STORM DRAIN
- EX. SANITARY SEWER
- EX. WATER
- EX. MANHOLE
- EX. FIRE HYDRANT
- EX. WATER VALVE
- EX. INLET
- EX. TREE
- PROPOSED FENCE
- PROPOSED CONCRETE SIDEWALK
- LIMIT OF DISTURBANCE



VICINITY MAP

SCALE: 1"= 1000'

KEY PLAN:

SITE DATA

SITE ADDRESS:	100 SOUTH LINWOOD AVE BALTIMORE, MD 21224
OWNER:	MAYOR & CITY COUNCIL 3001 EAST DRIVE BALTIMORE, MD 21217
PROPERTY REFERENCE:	WARD 01 SECTION 01 BLOCK 1740 LOT 001
TOTAL LOT/SITE AREA:	111.89 AC.
COUNCILMANIC DISTRICT:	DISCRICT 1
EXISTING / PROPOSED USE:	RECREATION - OUTDOOR
ZONING:	OS - OPEN SPACE
VEHICLE PARKING	LONG TERM REQUIREMENT: NONE SHORT TERM REQUIREMENT: NONE TOTAL REQUIRED: 0 TOTAL PROVIDED: 0
BICYCLE PARKING	LONG TERM REQUIREMENT: NONE SHORT TERM REQUIREMENT: 1 PER 5,000 SF OF PUBLIC USE TOTAL REQUIRED: 0 TOTAL PROVIDED: 0
CRITICAL AREA:	SITE IS NOT LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA
FLOODPLAIN INFORMATION:	THE SITE IS NOT LOCATED WITHIN THE 100 YEAR FLOODPLAIN AND DELINEATED ON FEMA FLOOD INSURANCE RATE MAP 24003C0019F, DATEDAPRIL 2, 2014. THE SITE IS LOCATED IN ZONE X WHICH MEANS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. A REVIEW OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES (DNR) MAPPING INDICATED THAT NO ONSITE WETLANDS OR STREAMS EXIST ON THE SITE. SITE IS LOCATED WITHIN THE BALTIMORE HARBOR WATERSHED

EARTHWORK ANALYSIS FOR SITE WORK

TOTAL LOT/SITE AREA:	4,874,015 SF OR 111.89 AC.
LIMIT OF DISTURBANCE:	3,700 SF OR 0.08 AC.
EARTHWORK:	CUT = 12 CY FILL = 1 CY CUT / FILL RATIO = 12:1 FILL MATERIAL SHALL BE FROM AN OFFSITE LOCATION WITH AN APPROVED SEDIMENT CONTROL PLAN &ACTIVE GRADING PERMIT. FILL MATERIAL MAY NOT BE STORED ON-SITE.

OWNER / DEVELOPER
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2601 EAST BALTIMORE ST
BALTIMORE, MD 21224

APPLICANT:
BALTIMORE CITY
DEPARTMENT OF
RECREATION AND PARKS
3001 EAST DRIVE,
BALTIMORE, MD 21217

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

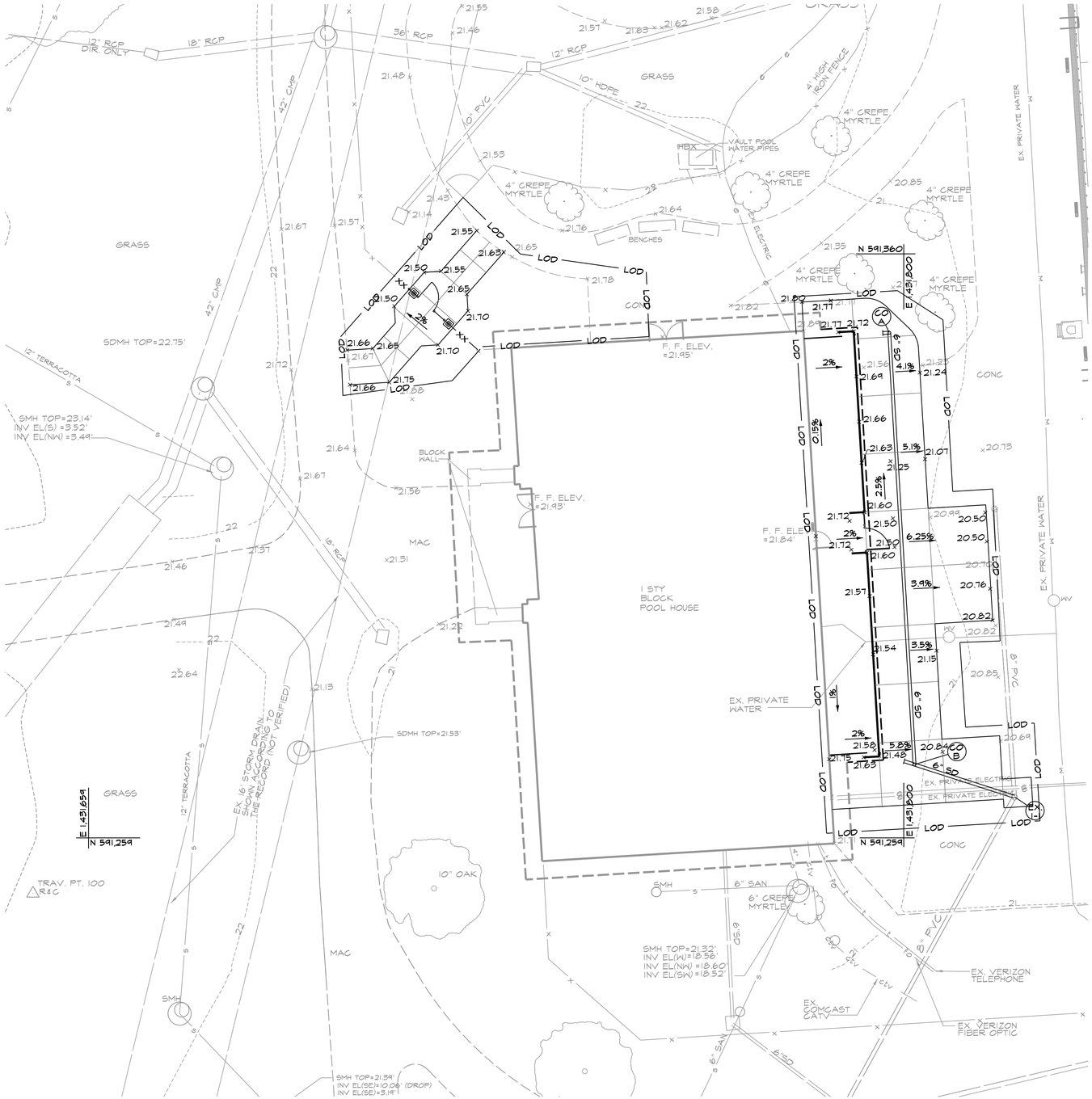
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	Author	CJ/VJP
Scale	1"=10'	Checker	AP/PC
Date	02/19/2026	Approver	AP

Drawing Title: SITE PLAN

Drawing Number: C3.00

Sheet 8 | 68 Of



GRADING AND UTILITY PLAN

SCALE: 1" = 10'

GRAPHIC SCALE

10 0 5 10 20

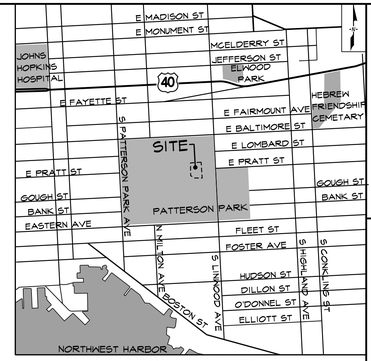
(IN FEET)
1 inch = 10 ft.

NOTE:
SEE ARCHITECTURAL PLANS FOR DOWNSPOUT CONNECTIONS.

BENCHMARK DATA

COORDINATES ARE BASED ON THE MARYLAND STATE COORDINATE SYSTEM, NAD 83 DATUM PROJECTED BY THE DEPARTMENT OF PUBLIC WORKS OF ANNE ARUNDEL COUNTY, MARYLAND, ELEVATIONS ARE NAVD 88.

POINT#	NORTHING	EASTING	ELEV.
100	591,249.38	1,431,649.38	23.96



VICINITY MAP

SCALE: 1"= 1000'

LEGEND

- EX. CONTOUR
- EX. ROAD
- EX. CONCRETE SIDEWALK
- EX. ELECTRIC
- EX. CABLE TV
- EX. COMMUNICATION
- EX. FIBER OPTIC
- EX. GAS
- EX. FENCE
- EX. 15" DRAIN — EX. STORM DRAIN
- EX. 8" SAN — EX. SANITARY SEWER
- EX. 4" WATER — EX. WATER
- EX. MANHOLE
- EX. FIRE HYDRANT
- EX. WATER VALVE
- EX. INLET
- EX. TREE
- 6" SD — PROPOSED STORM DRAIN
- × 21.66 — PROPOSED SPOT ELEVATION
- XX — PROPOSED FENCE
- PROPOSED CONCRETE SIDEWALK
- LOD — LIMIT OF DISTURBANCE

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BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

OWNER / DEVELOPER
MAYOR & CITY COUNCIL
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BALTIMORE, MD 21224

APPLICANT:
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS
3001 EAST DRIVE,
BALTIMORE, MD 21217

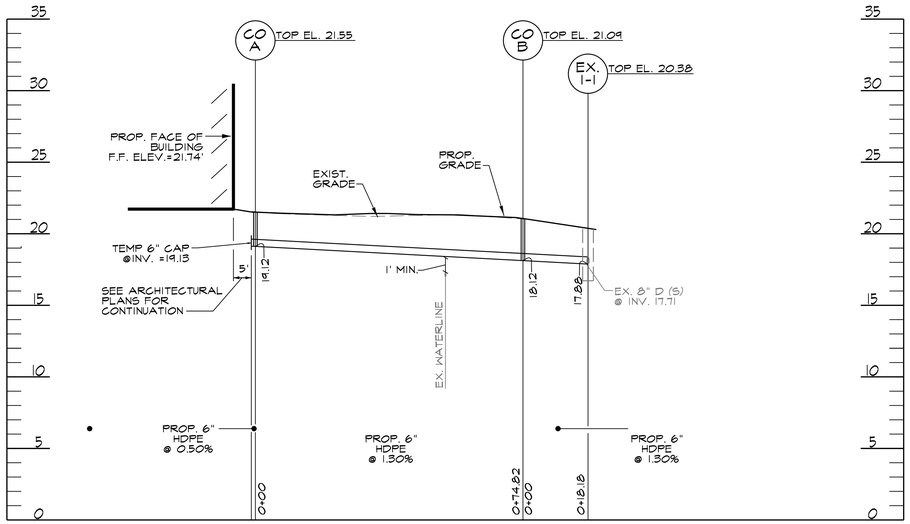
Job No.	#23042	Author	CJ/VJP
Scale	1"=10'	Checker	AP/PC
Date	02/19/2026	Approver	AP

Drawing Title: GRADING AND UTILITY PLAN

Drawing Number: C4.00

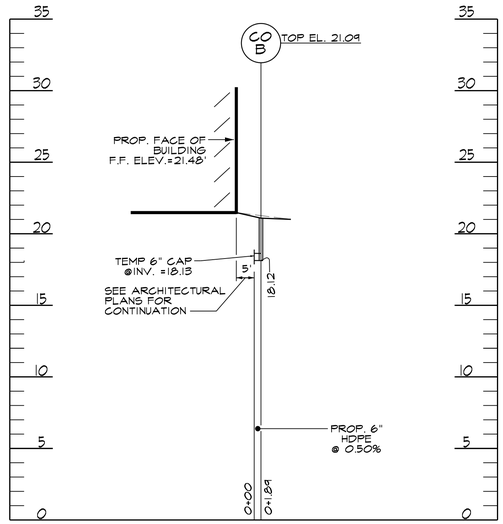
Sheet 9 of 68

NOTE:
EX. WATERLINE CONTRACTOR SHALL TEST PIT SIZE, DEPTH, AND LOCATION PRIOR TO STORM DRAIN INSTALLATION. CONTACT ENGINEER FOR DISCREPANCIES AND/OR POTENTIAL UTILITY CROSS CONFLICTS.



STORM DRAIN PROFILE
(BLDG TO EX, I-1)

SCALE: HORIZ. 1" = 20'
VERT. 1"=5'



STORM DRAIN PROFILE
(BLDG TO CO-B)

SCALE: HORIZ. 1" = 20'
VERT. 1"=5'

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

GRAPHIC SCALE
5 0 2.5 5 10
(IN FEET)
1 inch = 5 ft.

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Job No.	#23042	Author	CJ/VJP
Scale	1"=10'	Checker	AP/PC
Date	02/19/2026	Approver	AP

Drawing Title: STORM DRAIN PROFILES

Drawing Number: C4.01

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BENCHMARK DATA

COORDINATES ARE BASED ON THE MARYLAND STATE COORDINATE SYSTEM, NAD 83 DATUM PROJECTED BY THE DEPARTMENT OF PUBLIC WORKS OF ANNE ARUNDEL COUNTY, MARYLAND, ELEVATIONS ARE NAVD 88.

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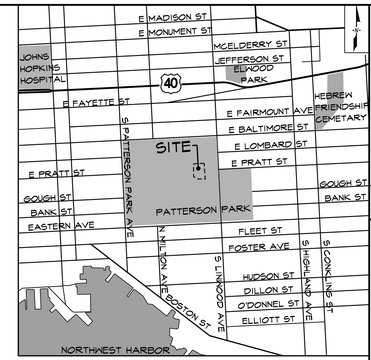
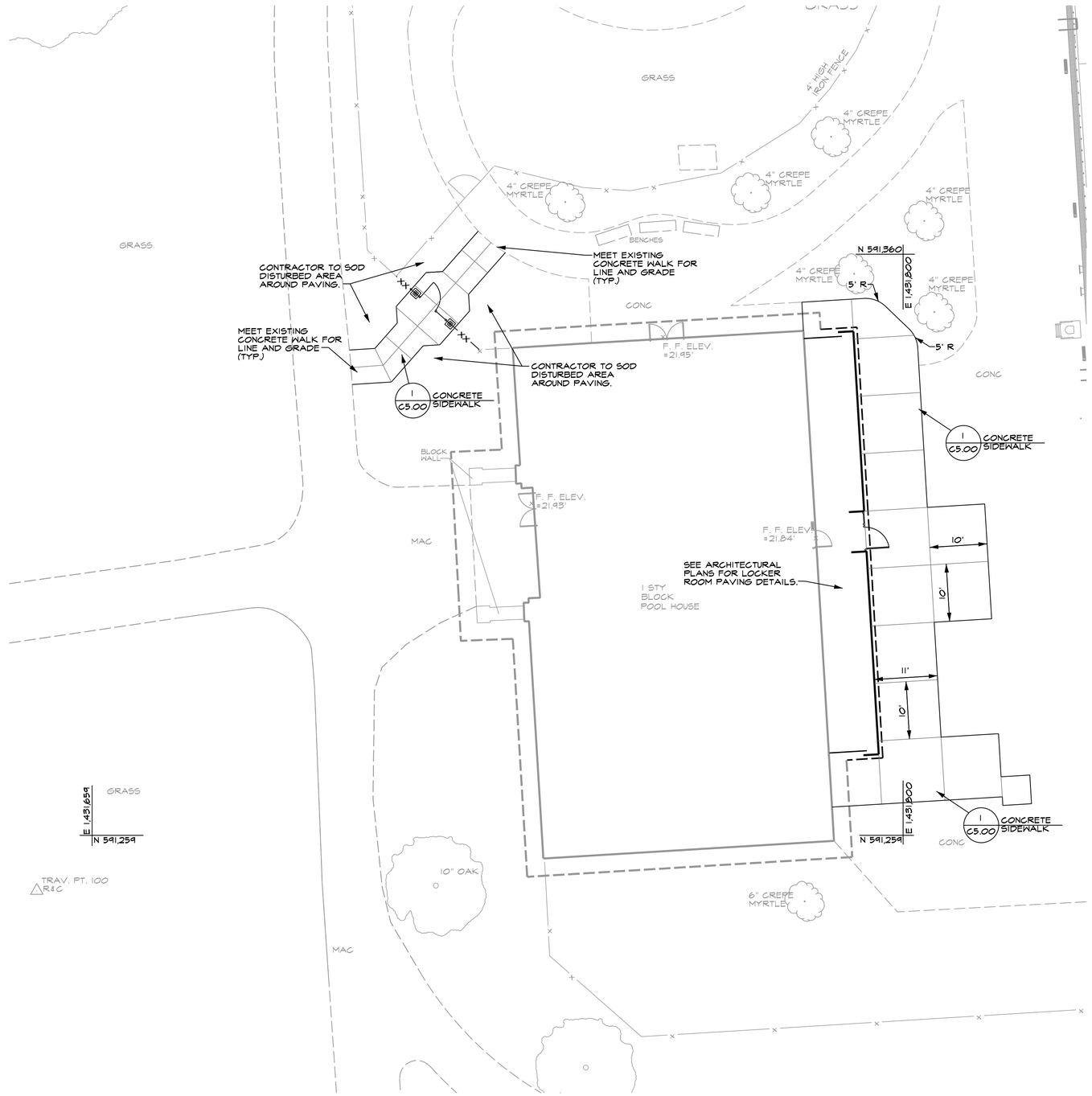


VICINITY MAP

SCALE: 1"= 1000'

KEY PLAN:



PAVING PLAN

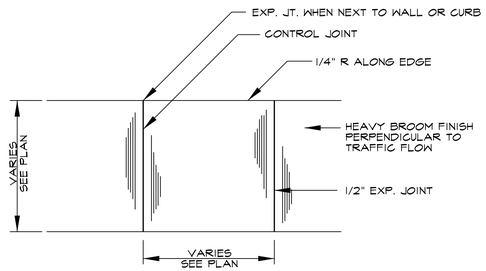
SCALE: 1" = 10'

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1 inch = 10 ft.

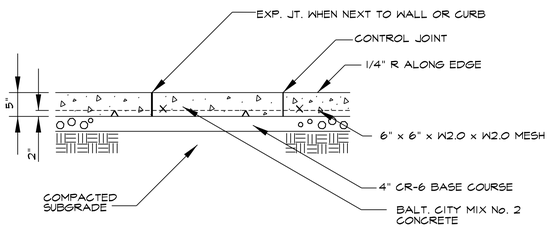
NOTE:
CONTRACTOR TO PLACE 4" OF TOPSOIL AND SOD AROUND NEW PAVING AT ENTRANCE AREA.

LEGEND

- EX. ROAD
- EX. CONCRETE SIDEWALK
- EX. TREE
- XX PROPOSED FENCE
- PROPOSED CONCRETE SIDEWALK



PROFILE



NOTE: PROVIDE 2% CROSS-SLOPE FOR POSITIVE DRAINAGE AS REQUIRED

SECTION

1. PROVIDE EXPANSION JOINTS 40' C.C. MAX. AND SCORE JOINTS 5' C.C. (UNLESS OTHERWISE NOTED). EXPANSION JOINTS SHALL BE 1/2" PREMOLDED BITUMINOUS JOINT MATERIAL IN ACCORDANCE WITH BALTIMORE CITY SPECIFICATION.
2. WHEN SIDEWALK ABUTS CURB, SIDEWALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREMOLDED BITUMINOUS JOINT MATERIAL.
3. SEE BALTIMORE CITY STANDARD DETAIL BC 655.05 FOR ADDITIONAL INFORMATION.
4. EXPANSION JOINTS SHALL BE SEALED PER THE PROJECT SPECIFICATIONS.

1 / C5.00 CONCRETE SIDEWALK
NOT TO SCALE

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BALTIMORE, MD 21224

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PATTERSON PARK POOL HOUSE RENOVATION

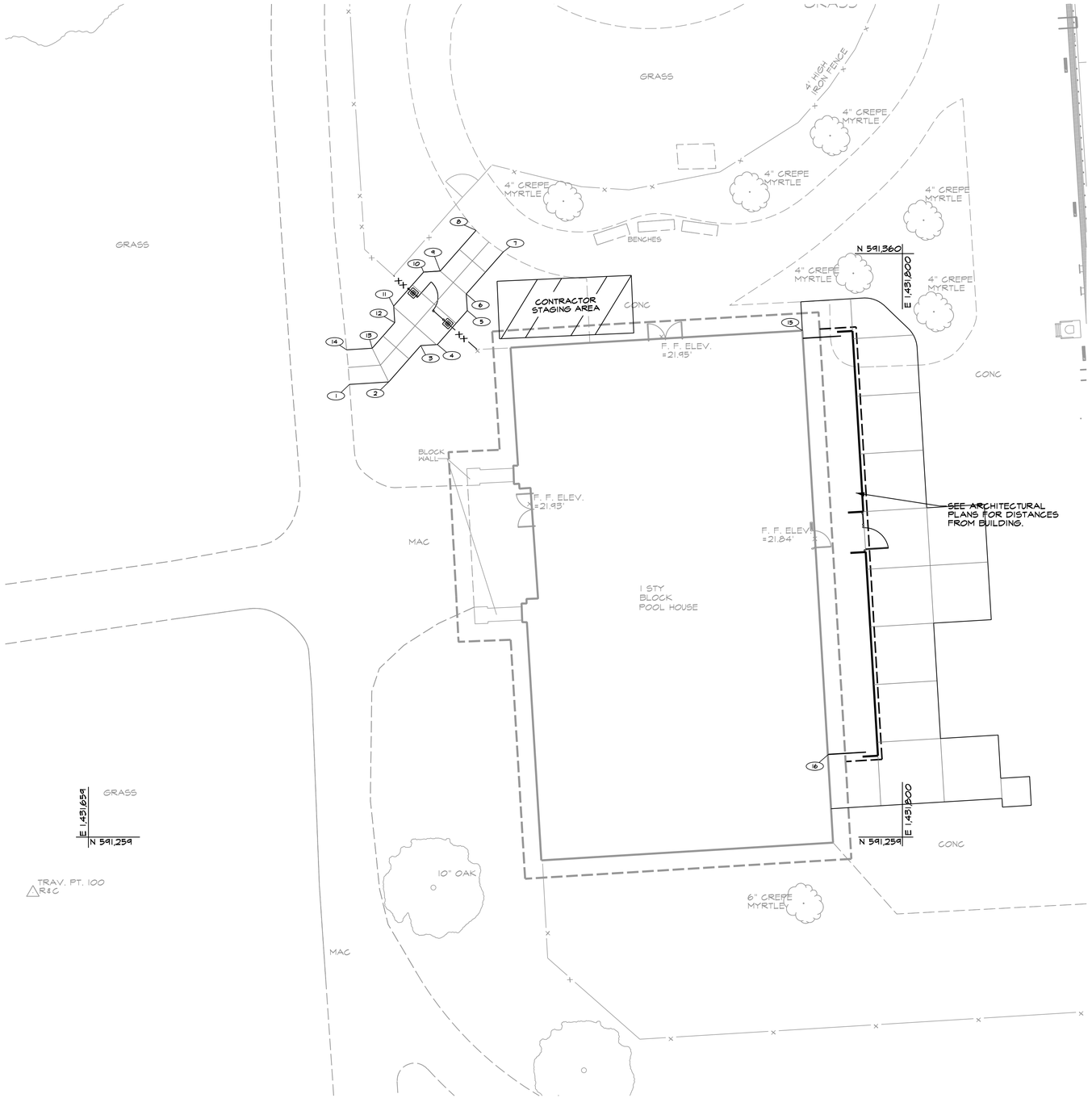
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	Author	CJ/VJP
Scale	1"=10'	Checker	AP/PC
Date	02/19/2026	Approver	AP

Drawing Title: PAVING PLAN

Drawing Number: C5.00

Sheet 11 of 68



GEOMETRY PLAN

SCALE: 1" = 10'

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

BENCHMARK DATA

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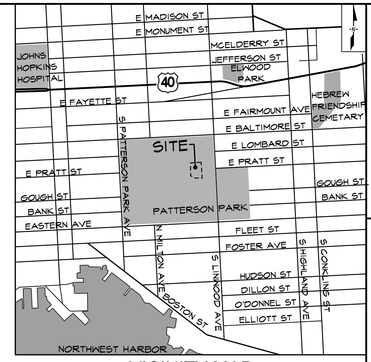

VICINITY MAP

SCALE: 1"= 1000'

LEGEND

- EX. ROAD
- EX. CONCRETE SIDEWALK
- EX. TREE
- XX PROPOSED FENCE
- PROPOSED CONCRETE SIDEWALK
- (1) DENOTES POINT NUMBER

POINT DATA

POINT NO.	NORTHING	EASTING
1	591,337.37	1,431,704.21
2	591,337.80	1,431,711.02
3	591,344.09	1,431,716.56
4	591,344.27	1,431,719.45
5	591,350.15	1,431,724.62
6	591,353.03	1,431,724.44
7	591,360.30	1,431,730.85
8	591,364.03	1,431,726.14
9	591,357.00	1,431,719.94
10	591,356.82	1,431,717.06
11	591,350.94	1,431,711.88
12	591,348.06	1,431,712.06
13	591,343.63	1,431,708.16
14	591,343.35	1,431,703.73
15	591,346.68	1,431,782.65
16	591,272.57	1,431,787.12

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PATTERSON PARK POOL HOUSE RENOVATION

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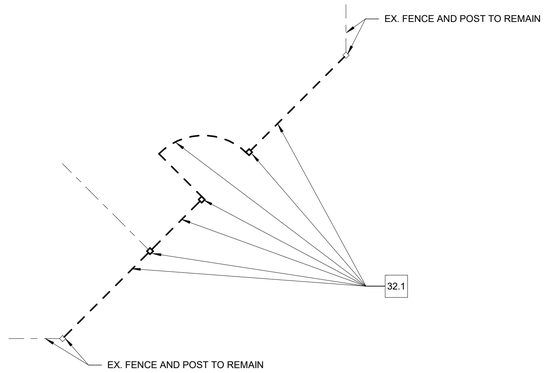
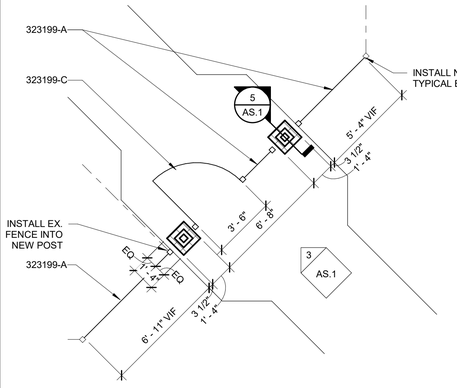
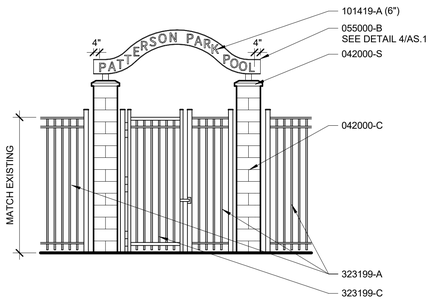
Job No.	#23042	Author	CJ/VJP
Scale	1"=10'	Checker	AP/PC
Date	02/19/2026	Approver	AP
Drawing Title	GEOMETRY PLAN	Drawing Number	C6.00
Sheet	12	68	Of



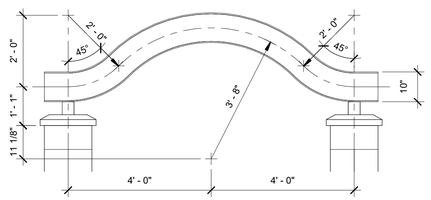
1 AS.1 ENTRYWAY DEMOLITION PLAN
1/4" = 1'-0"



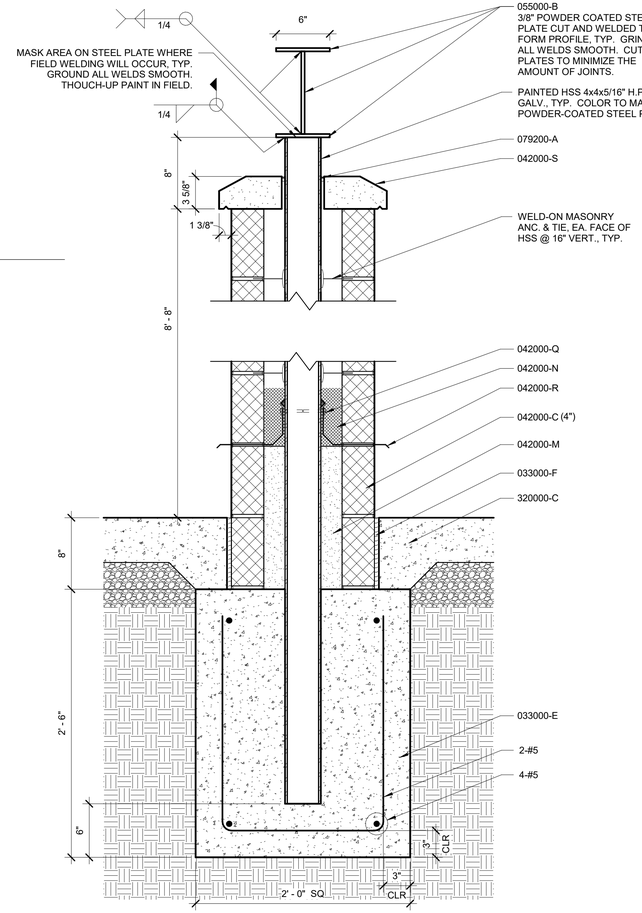
2 AS.1 ENTRYWAY PLAN
1/4" = 1'-0"



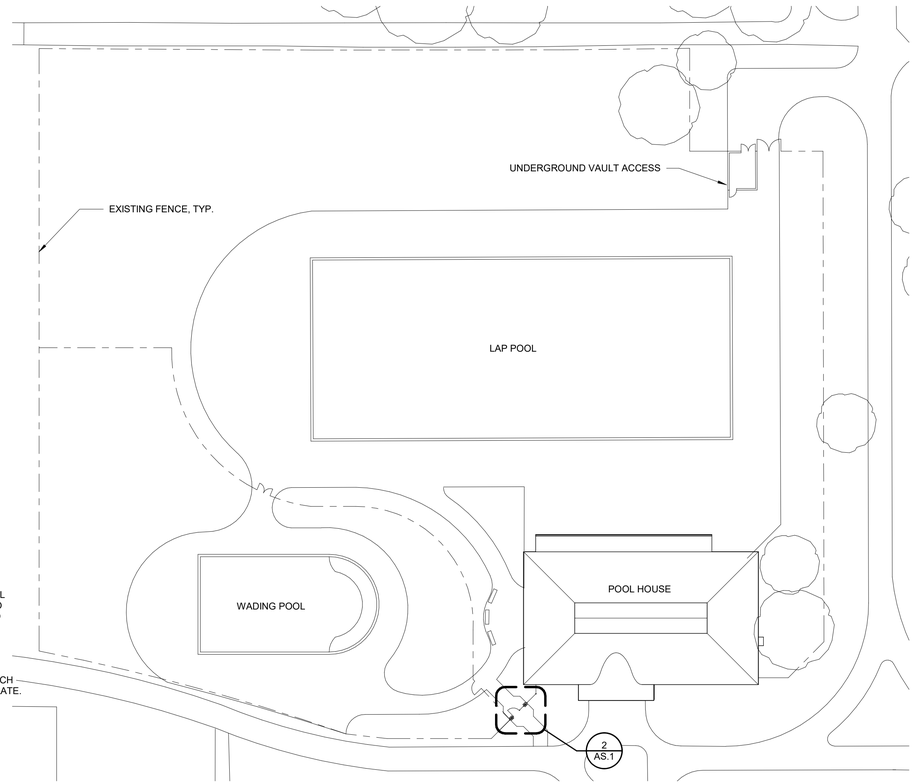
3 AS.1 ENTRYWAY ELEVATION - FRONT
1/4" = 1'-0"



4 AS.1 SIGNAGE GEOMETRY
1/2" = 1'-0"

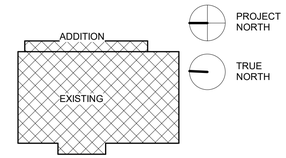


5 AS.1 ENTRYWAY SECTION
1 1/2" = 1'-0"



6 AS.1 ARCHITECTURAL SITE PLAN
1" = 30'-0"

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

033000-E	CONCRETE FOOTING
033000-F	EXPANSION JOINT MATERIAL, 1/2" UNO
042000-C	DECORATIVE CMU, SIZE AND COLOR AS INDICATED
042000-M	CEMENTITIOUS GROUT
042000-N	CAVITY MORTAR CONTROL
042000-Q	TERMINATION BAR WITH CONT BEAD OF SEALANT
042000-R	THRU-WALL FLASHING
042000-S	CAST STONE UNIT WITH FORMED DRIP EDGE
055000-B	STEEL PLATE, SIZE AS INDICATED
079200-A	JOINT SEALANT AND BACKER ROD
101419-A	DIMENSIONAL CAST LETTERS, STAND OFF MOUNTED, SIZE AS INDICATED
320000-C	CONCRETE SIDEWALK (REFER TO CIVIL FOR MORE INFORMATION)
323199-A	FENCE
323199-C	SWING GATE WITH LATCH

DEMOLITION NOTES	
Demo Note #	Description
32.1	REMOVE FENCING, GATE, POST, AND ALL APPURTENANCES AND FOUNDATIONS.

12 6 0 12
SCALE OF INCHES
1 1/2" = 1'-0"

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

30 0 30 60
SCALE OF FEET
1" = 30'-0"

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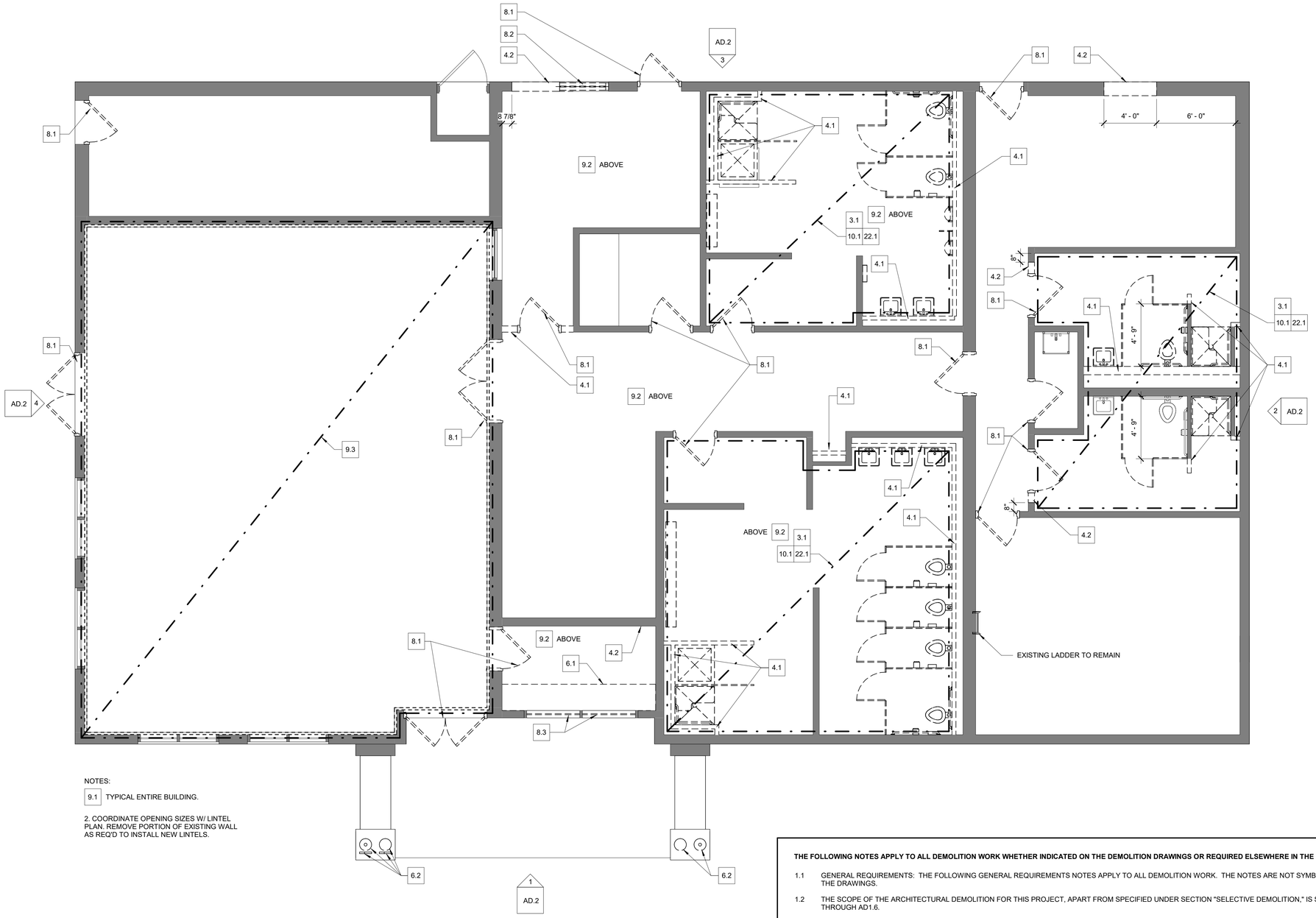
PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved
Drawing Title	ARCHITECTURAL SITE PLAN	Drawing Number	AS.1
Sheet	13	68	Of

Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation - 2024.rvt
11/7/2025 9:12:43 AM



NOTES:

9.1 TYPICAL ENTIRE BUILDING.

2. COORDINATE OPENING SIZES W/ LINTEL PLAN. REMOVE PORTION OF EXISTING WALL AS REQ'D TO INSTALL NEW LINTELS.

1 AD.1 ARCHITECTURAL DEMOLITION PLAN
1/4" = 1'-0"

THE FOLLOWING NOTES APPLY TO ALL DEMOLITION WORK WHETHER INDICATED ON THE DEMOLITION DRAWINGS OR REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS.

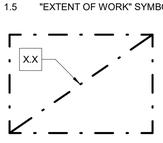
1.1 GENERAL REQUIREMENTS: THE FOLLOWING GENERAL REQUIREMENTS NOTES APPLY TO ALL DEMOLITION WORK. THE NOTES ARE NOT SYMBOLICALLY REFERENCED ELSEWHERE IN THE DRAWINGS.

1.2 THE SCOPE OF THE ARCHITECTURAL DEMOLITION FOR THIS PROJECT, APART FROM SPECIFIED UNDER SECTION "SELECTIVE DEMOLITION," IS SHOWN IN SHEETS NUMBERED AD1.1 THROUGH AD1.6.

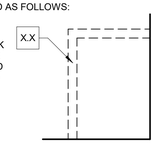
1.3 THE DEMOLITION AS INDICATED ON THE DRAWINGS APPLIES TO THE DEFINED SCOPE OF WORK. THE DRAWINGS, IN GENERAL, DO NO SPECIFICALLY ADDRESS DEMOLITION THAT IS DEPENDENT ON THE CONTRACTOR'S INDIVIDUAL "MEANS AND METHODS" OF EXECUTING THE WORK. THE REQUIREMENT FOR THIS DEMOLITION IS UNDER SPECIFICATION SECTION "SELECTIVE DEMOLTION."

1.4 THE EXTENT OF DEMOLITION SHALL BE COORDINATED WITH THE NEW AND REBUILT WORK.

1.5 "EXTENT OF WORK" SYMBOLS ARE DEFINED AS FOLLOWS:



SCOPE OF WORK APPLIES TO THE AREA ENCLOSED BY THE DASHED LINE.



SCOPE OF WORK APPLIES TO THE ITEM SHOWN WITH DASHED LINES. SEE DEMOLITION DRAWINGS AND NOTES FOR EXTENT.

SCOPE OF WORK APPLIES TO THE ENTIRE ROOM FOR THE ITEM OF WORK IDENTIFIED EITHER IN THE NOTE OR AT THE SYMBOL.

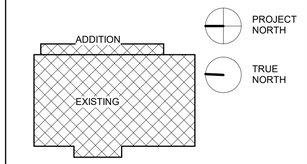
SCOPE OF WORK APPLIES TO THE ENTIRE OPENING FOR THE ITEM OF WORK IDENTIFIED

1.6 THE TERM "REMOVE" IS DEFINED IN THE SPECIFICATION SECTION "SELECTIVE DEMOLITION."

1.7 DURING DEMOLITION, PROVIDE TEMPORARY SUPPORT TO ADJACENT EXISTING CONSTRUCTION AND STRUCTURE TO HOLD IN PLACE WITHOUT ANY MOVEMENT UNTIL NEW SUPPORTING WORK IS IN PLACE.

DEMOLITION SYMBOLS & NOTES

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

DEMOLITION NOTES	
Demo Note #	Description
3.1	REMOVE PORTION OF SLAB AS REQ'D TO INSTALL UNDERGROUND PLUMBING
4.1	REMOVE WALL.
4.2	REMOVE PORTION OF WALL.
6.1	REMOVE CASEWORK.
6.2	REMOVE BOARDS AND COLUMN SURROUND, STRUCTURE TO REMAIN.
8.1	REMOVE DOOR, FRAME, AND ALL APPURTENANCES.
8.2	REMOVE WINDOW.
8.3	REMOVE GLAZING AND PASSTHROUGH SCREEN.
9.1	REMOVE FLOOR FINISH AND SUBSTRATES DOWN TO EXISTING SLAB.
9.2	REMOVE CEILING
9.3	REMOVE GWB DOWN TO STUDS/FURRING. REMOVE RIGID INSULATION AS REQUIRED TO INSTALL NEW ELECTRICAL DEVICE AND CONDUIT. COORDINATE LOCATION WITH ELECTRIC DRAWINGS.
10.1	REMOVE TOILET PARTITIONS AND RESTROOM ACCESSORIES.
22.1	REMOVE PLUMBING FIXTURES. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFO.

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	1/4" = 1'-0"	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: ARCHITECTURAL DEMOLITION PLAN

Drawing Number: AD.1

Sheet 14 68 Of

Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation - 2024.rvt
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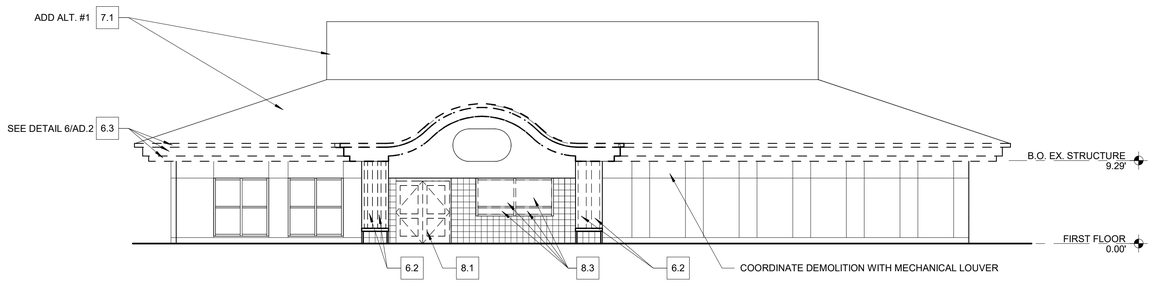
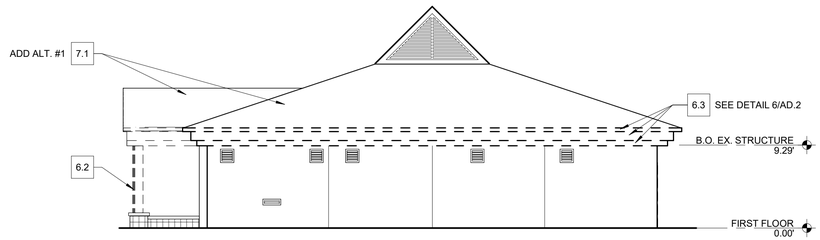
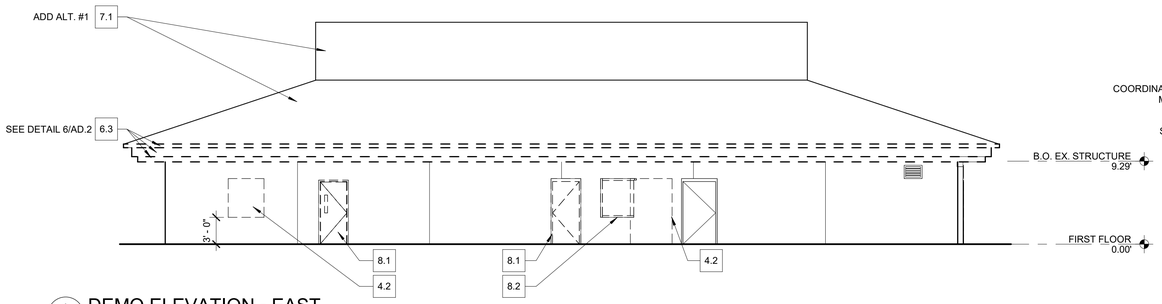


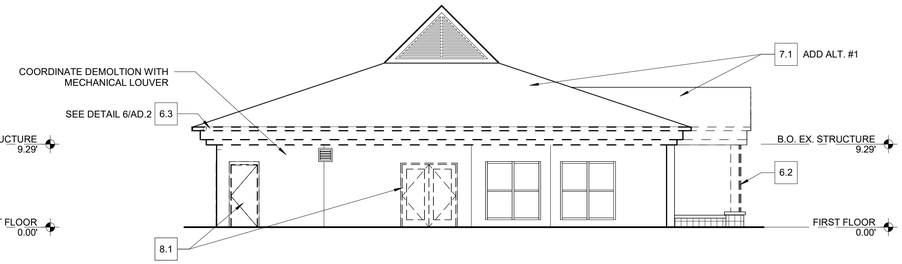
1 AD.2 DEMO ELEVATION - WEST
1/8" = 1'-0"



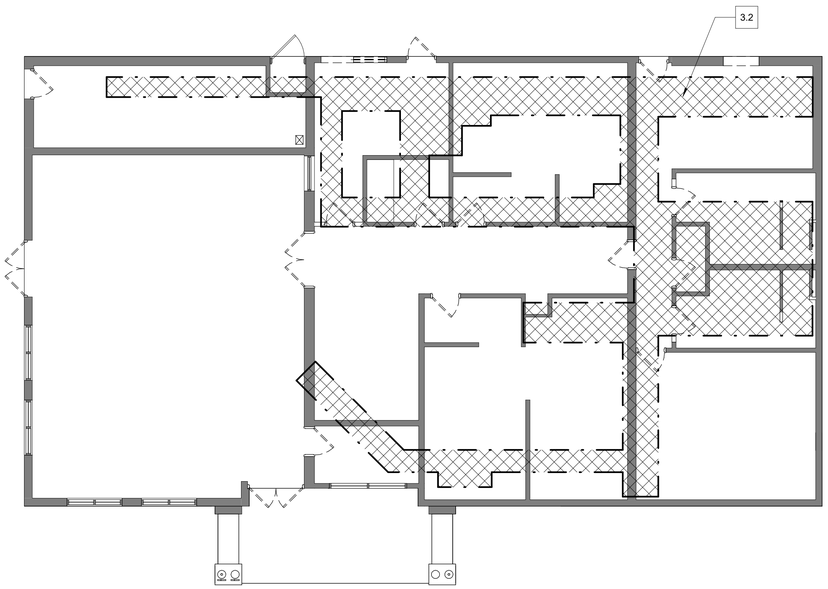
2 AD.2 DEMO ELEVATION - SOUTH
1/8" = 1'-0"



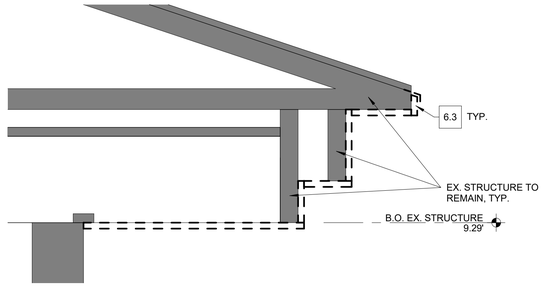
3 AD.2 DEMO ELEVATION - EAST
1/8" = 1'-0"



4 AD.2 DEMO ELEVATION - NORTH
1/8" = 1'-0"



5 AD.2 SLAB DEMO PLAN
1/8" = 1'-0"



6 AD.2 TYPICAL DEMO SECTION DETAIL
1" = 1'-0"

THE FOLLOWING NOTES APPLY TO ALL DEMOLITION WORK WHETHER INDICATED ON THE DEMOLITION DRAWINGS OR REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS.

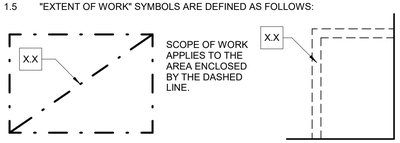
1.1 GENERAL REQUIREMENTS: THE FOLLOWING GENERAL REQUIREMENTS NOTES APPLY TO ALL DEMOLITION WORK. THE NOTES ARE NOT SYMBOLICALLY REFERENCED ELSEWHERE IN THE DRAWINGS.

1.2 THE SCOPE OF THE ARCHITECTURAL DEMOLITION FOR THIS PROJECT, APART FROM SPECIFIED UNDER SECTION "SELECTIVE DEMOLITION," IS SHOWN IN SHEETS NUMBERED AD1.1 THROUGH AD1.6.

1.3 THE DEMOLITION AS INDICATED ON THE DRAWINGS APPLIES TO THE DEFINED SCOPE OF WORK. THE DRAWINGS, IN GENERAL, DO NO SPECIFICALLY ADDRESS DEMOLITION THAT IS DEPENDENT ON THE CONTRACTOR'S INDIVIDUAL "MEANS AND METHODS" OF EXECUTING THE WORK. THE REQUIREMENT FOR THIS DEMOLITION IS UNDER SPECIFICATION SECTION "SELECTIVE DEMOLTION."

1.4 THE EXTENT OF DEMOLITION SHALL BE COORDINATED WITH THE NEW AND REBUILT WORK.

1.5 "EXTENT OF WORK" SYMBOLS ARE DEFINED AS FOLLOWS:

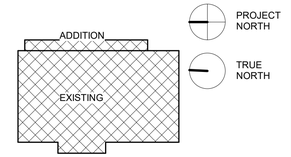


1.6 THE TERM "REMOVE" IS DEFINED IN THE SPECIFICATION SECTION "SELECTIVE DEMOLITION."

1.7 DURING DEMOLITION, PROVIDE TEMPORARY SUPPORT TO ADJACENT EXISTING CONSTRUCTION AND STRUCTURE TO HOLD IN PLACE WITHOUT ANY MOVEMENT UNTIL NEW SUPPORTING WORK IS IN PLACE.

DEMOLITION SYMBOLS & NOTES

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

DEMOLITION NOTES	
Demo Note #	Description
3.2	REMOVE PORTION OF CONCRETE SLAB. COORDINATE LOCATION AND SIZE WITH PLUMBING DRAWINGS.
4.2	REMOVE PORTION OF WALL.
6.2	REMOVE BOARDS AND COLUMN SURROUND, STRUCTURE TO REMAIN.
6.3	REMOVE FASCIA, SOFFIT, AND DRIP EDGE.
7.1	ADD ALTERNATE #1: REMOVE SHINGLES AND UNDERLAYMENT DOWN TO SHEATHING.
8.1	REMOVE DOOR, FRAME, AND ALL APPURTENANCES.
8.2	REMOVE WINDOW.
8.3	REMOVE GLAZING AND PASSTHROUGH SCREEN.

12 6 0 12
SCALE OF INCHES
1 1/2" = 1'-0"

8 0 8 16
SCALE OF FEET
1/8" = 1'-0"

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: ARCHITECTURAL DEMOLITION PLAN AND ELEVATIONS

Drawing Number: AD.2

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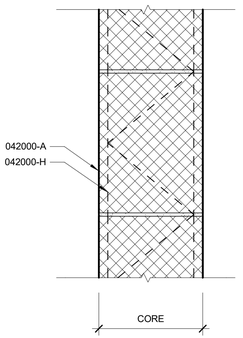
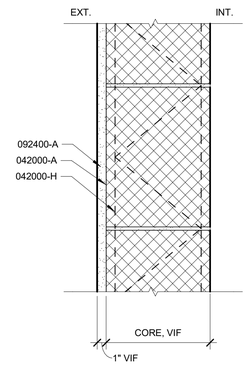


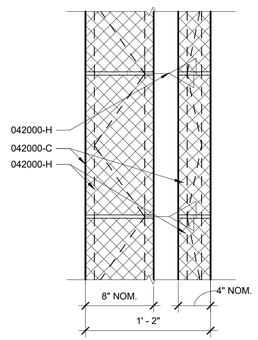
1.01 PLAN
CORE: 4" NOM.

1.02 PLAN
CORE: 6" NOM.

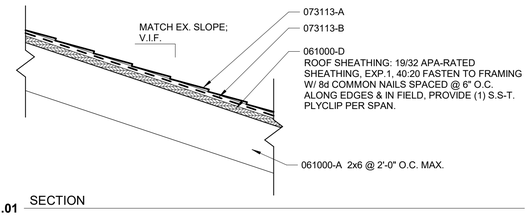
1.03 PLAN
CORE: 8" NOM.



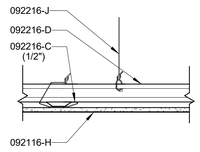
1.13 PLAN
CORE: 8" NOM., VIF



1.23 PLAN



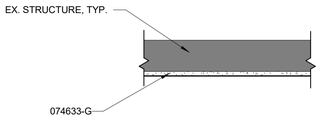
1.01 SECTION



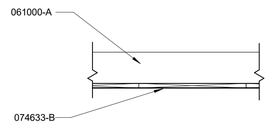
1.01 SECTION
5/8" GWB ON MTL. STUD

2 AC.1 ROOF TYPE
1 1/2" = 1'-0"

3 AC.1 CEILING TYPE
1 1/2" = 1'-0"



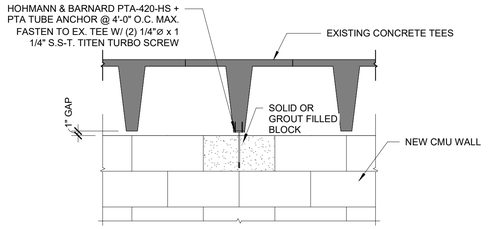
1.01 SECTION
SOFFIT BOARD ON EXISTING STRUCTURE

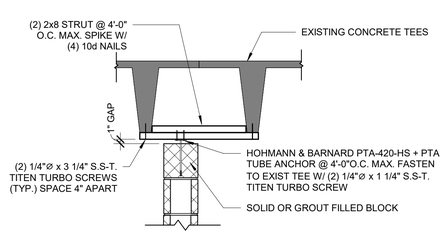


1.02 SECTION
VENTED SOFFIT BOARD ON JOIST

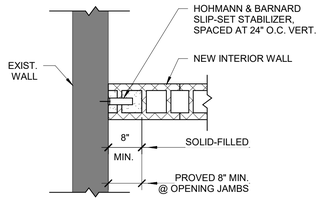
1 AC.1 WALL TYPES
1 1/2" = 1'-0"

4 AC.1 SOFFIT TYPES
1 1/2" = 1'-0"

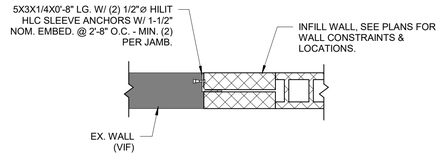




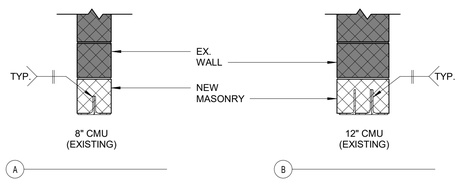
5 AC.1 TYPICAL DETAILS AT MASONRY WALLS
3/4" = 1'-0"



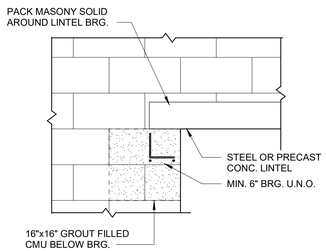
6 AC.1 TYPICAL DETAIL AT NEW INTERIOR WALL
3/4" = 1'-0"



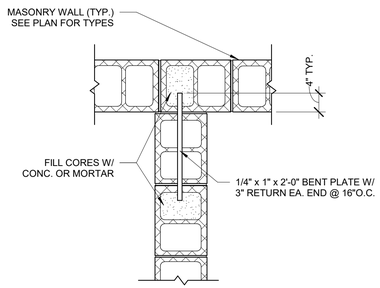
7 AC.1 TYPICAL DETAIL AT NEW INFILL MASONRY WALL
3/4" = 1'-0"



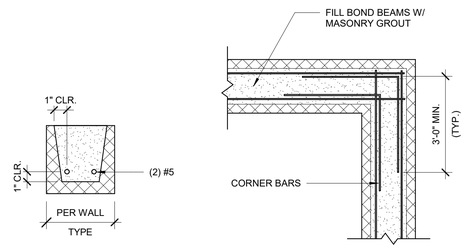
8 AC.1 TYPICAL DETAIL AT NEW OPENING IN EXISTING WALL
3/4" = 1'-0"



9 AC.1 TYPICAL LINTEL BEARING DETAIL
3/4" = 1'-0"



10 AC.1 TYPICAL WALL INTERSECTION DETAIL
3/4" = 1'-0"



NOTE: SEE LINTEL PLANS FOR BOND BEAM LOCATIONS

11 AC.1 TYPICAL BOND BEAM DETAILS

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

042000-A	CONCRETE MASONRY UNIT, SIZE AS INDICATED
042000-C	DECORATIVE CMU, SIZE AND COLOR AS INDICATED
042000-H	JOINT REINFORCEMENT/MASONRY TIE
061000-A	DIMENSIONAL LUMBER; NOMINAL SIZE AS INDICATED
061000-D	EXTERIOR PLYWOOD SHEATHING; PRESERVATIVE TREATED; THICKNESS AS INDICATED
073113-A	ASHPHALT SHINGLE
073113-B	ROOF UNDERLAYMENT
074633-B	VENTED SOFFIT BOARD
074633-G	COMPOSITE PANEL
092116-H	MOLD RESISTANT GYPSUM CEILING BOARD, 1/2" THICKNESS
092216-C	HAT SHAPED METAL FURRING CHANNEL, SIZE AS INDICATED
092216-D	1 1/2" METAL CARRYING CHANNEL
092216-J	HANGER WIRE
092400-A	STUCCO, MATCH EXISTING

1 0 1 2 3
SCALE OF FEET
3/4" = 1'-0"

12 6 0 12
SCALE OF INCHES
1 1/2" = 1'-0"

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No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: CONSTRUCTION TYPES
Drawing Number: AC.1

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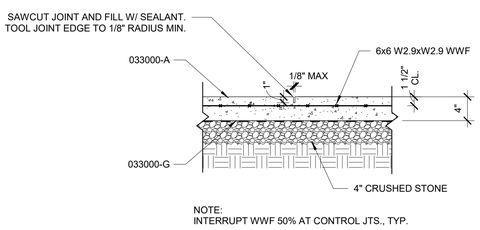
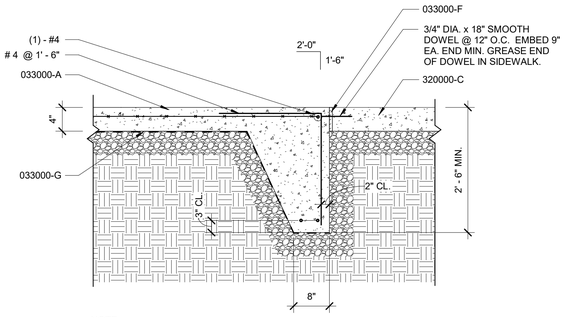


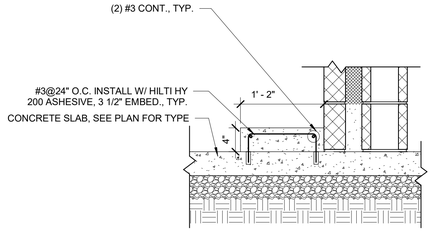
NOTE:
INTERRUPT WWF 50% AT CONTROL JTS., TYP.

1 AC.2 TYPICAL SLAB-ON-GRADE CONTROL JOINT DETAIL

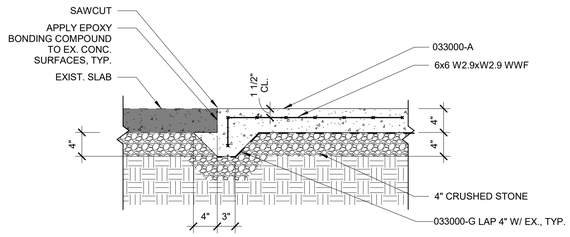


NOTE:
POUR HAUNCH ON TOP OF FTG. EA. SIDE, TYP.

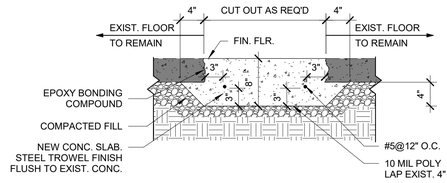
2 AC.2 TYPICAL SECTION AT SLAB HAUNCH



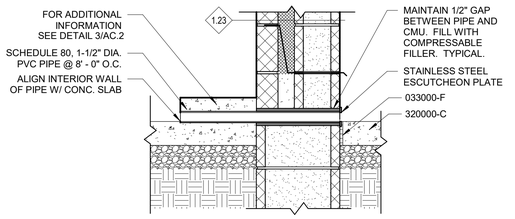
3 AC.2 1" = 1'-0" DETAIL AT LOCKER CURB



4 AC.2 TYPICAL SLAB-ON-GRADE DETAIL



5 AC.2 1" = 1'-0" CONCRETE SLAB INFILL DETAIL - NEW UTILITY TRENCH



6 AC.2 1" = 1'-0" TYPICAL WEEP DETAIL AT LOCKER CURB

STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

Required?	Structural Test or Special Inspection	Required Qualification	Continuous	Periodic	Frequency of Periodic Test or Inspection
	Concrete Construction				
	(IBC-21 Section 1705.3)				
X	1. Inspect reinforcing steel, including prestressing tendons, and placement.	ACI-CSSI		X	100% of reinforcement
	2. Inspection of reinforcing steel welding				
	a. Verify weldability of reinforcing bars other than ASTM A706.		X		
	b. Inspect single pass fillet welds, maximum 5/16 inch.			X	
	c. Inspect all other welds.			X	
	3. Inspection of anchors cast in concrete.			X	
	4. Inspection of anchors post-installed in hardened concrete members.				
	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension load		X		
X	b. Mechanical anchors and adhesive anchors not defined in 4 a	ACI-CSSI		X	100% of anchors
X	5. Verify use of approved design mix.	ACI-CSSI		X	Ea. Concrete pour
X	6. Prior to placement fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	ACI-CSSI		X	Ea. Concrete pour
	7. Inspect concrete and shotcrete placement for proper application techniques.		X		
X	8. Inspect for maintenance of specified curing temperature and techniques.	ACI-CSSI		X	Ea. Concrete pour
	9. Inspection of prestressed concrete:				
	a. Application of prestressing forces		X		
	b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.		X		
	10. Erection of precast structural members			X	
	11. For precast concrete diaphragm connections and collector joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E, or F, verify installation of concrete reinforcement in the field for:				
	a. Installation of the embedded parts		X		
	b. Completion of the continuity of reinforcement across joints		X		
	c. Completion of connections in the field		X		
	12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5 (American Concrete Institute)			X	
	13. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.			X	
	14. Inspection formwork for shape, location and dimensions of the concrete member being formed.			X	
	Masonry Construction				
	(IBC-21 Section 1705.4)				
X	1. Inspect masonry construction in accordance with IBC-21 Section 1705.4 and TMS 402-13/ACI Masonry Society(ACI 530.1-13 Article 1.6.	ICC-SMSI	X		
	Level A Quality Assurance				
	Tests: None.				
	Inspection: Verify compliance with the approved submittal and project specifications.		X		
X	**Level B Quality Assurance**	ICC-SMSI			
	Tests:				
	1. Verify slump flow and Visual Stability Index (VSI) as delivered to the project site in accordance with TMS 602-13/ACI 530.1-13 Specification Article 1.5B.1.b.3 for self-consolidating grout.				
	2. Verify f'm and f'ae in accordance with TMS 402-13/ACI 530.1-13 Specification Article 1.4B prior to construction, except where specifically exempted.				
	Inspection:				
X	1. Verify compliance with the approved submittals and project specifications.	ICC-SMSI	X		
X	2. At the start of masonry construction, verify:	ICC-SMSI			
X	a. Proportions of site-prepared mortar.	ICC-SMSI		X	Daily
X	b. Construction of mortar joints.	ICC-SMSI		X	Daily
	c. Grade and size of prestressing tendons and anchorages.				
X	d. Location of reinforcement, connectors, prestressing tendons and anchorages.	ICC-SMSI		X	Daily
	e. Prestressing technique.			X	
	f. Properties of thin-bed mortar for AAC (autoclaved aerated concrete) masonry. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.)			X	
X	3. Prior to grouting, verify:	ICC-SMSI			
X	a. Grout space is clean.	ICC-SMSI		X	Daily
X	b. Grade, type and size of reinforcement and anchor bolts, and prestressing tendons and anchorages.	ICC-SMSI		X	Daily
X	c. Placement of reinforcing and connectors, and prestressing tendons and anchorages.	ICC-SMSI		X	Daily
X	d. Proportions of site-prepared grout and prestressing grout for bonded tendons.	ICC-SMSI		X	Daily
X	e. Construction of mortar joints.	ICC-SMSI		X	Daily
X	4. During masonry construction, verify:				
X	a. Size and location of structural members.	ICC-SMSI	X		
	b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.			X	
	c. Welding of reinforcement.		X		
X	d. Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees Fahrenheit) or hot weather (temperature above 90 degrees Fahrenheit).	ICC-SMSI		X	Daily
	e. Application and measurement of prestressing force.		X		
	f. Placement of grout and prestressing grout for bonded tendons is in compliance.		X		
	g. Placement of AAC masonry units and construction of thin-bed mortar joints. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.)		X	X	
X	5. Observe preparation of grout specimens, mortar specimens and/or prisms.	ICC-SMSI		X	Daily
	Wood Construction				
	(IBC-21 Section 1705.5)				
X	1. Verify nailing, bolting, anchoring and fastening of:	PE/SE			Daily
	a. Drag struts and collectors.			X	
X	b. All new wood framing.	PE/SE		X	Daily
X	c. Hold-downs and anchorages.	PE/SE		X	Daily
	2. Metal-plate-connected wood trusses spanning 60 feet or greater:				
	a. Verify temporary installation restraint/bracing installed in accordance with the approved shop drawings.			X	
	b. Verify permanent individual truss member restraint/bracing installed in accordance with the approved shop drawings.			X	
	Soils				
	(IBC-21 Section 1705.6)				
X	1. Verify materials below shallow foundations are adequate to achieve the required bearing capacity.	ICC-SSI	X		
X	2. Verify excavations are extended to proper depth and have reached proper material.	ICC-SSI	X		
X	3. Perform classification and testing of compacted fill materials.	ICC-SSI	X		
X	4. During fill placement, verify use of proper materials and procedure in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.	ICC-SSI	X		
X	5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly	ICC-SSI	X		

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

033000-A	CONCRETE SLAB ON GRADE
033000-F	EXPANSION JOINT MATERIAL, 1/2" UNO
033000-G	UNDER SLAB VAPOR BARRIER
320000-C	CONCRETE SIDEWALK (REFER TO CIVIL FOR MORE INFORMATION)

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PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: CONSTRUCTION TYPES

Drawing Number: AC.2

Sheet 17 of 68

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Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation - 2024.rvt
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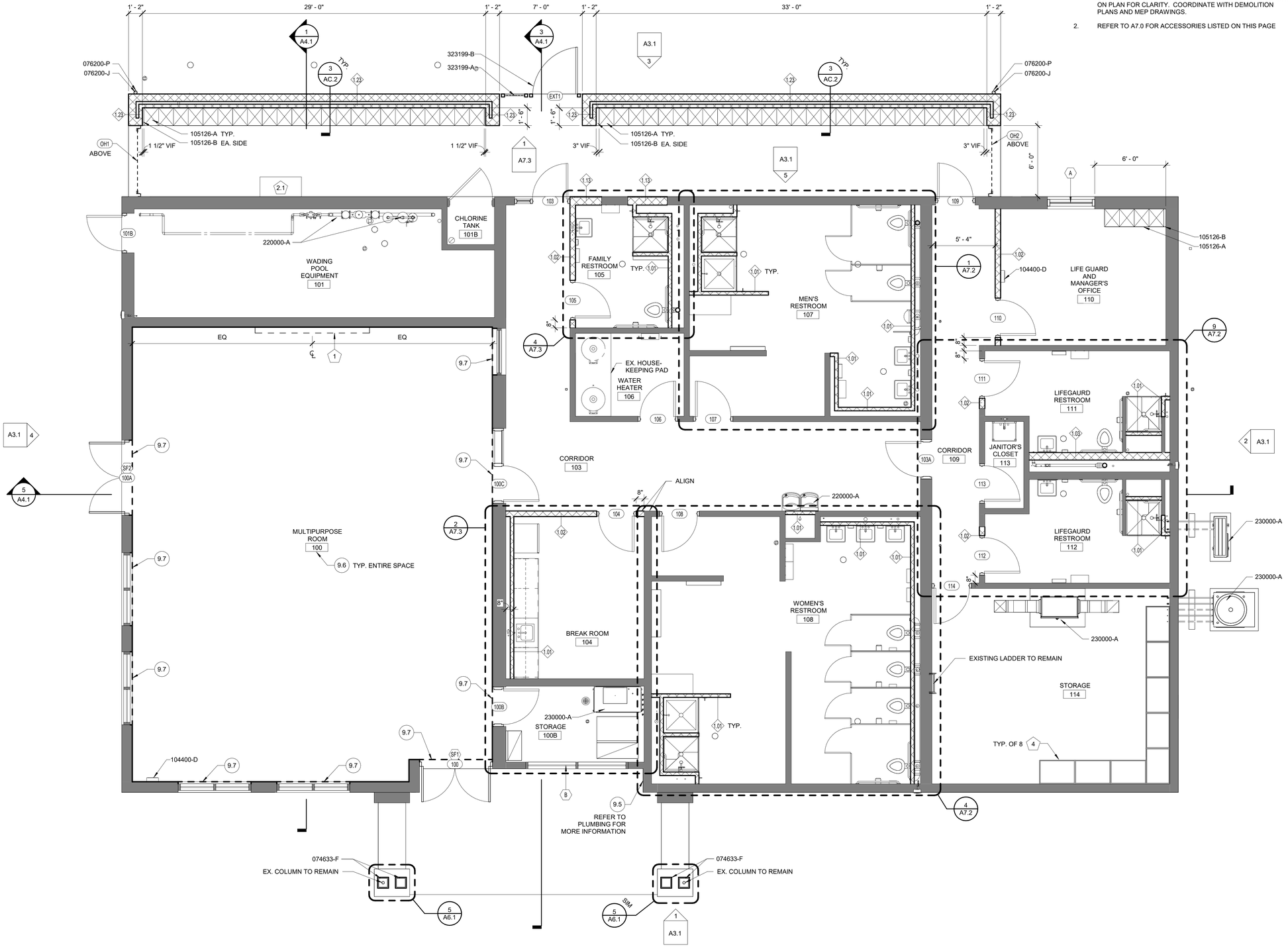
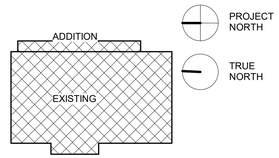


1 A1.1 FLOOR PLAN
1/4" = 1'-0"

NOTES

1. INFILL TRENCHES REQUIRED FOR THE INSTALLATION OF UNDERGROUND UTILITIES. SEE TYPICAL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION. SCOPE NOT SHOWN ON PLAN FOR CLARITY. COORDINATE WITH DEMOLITION PLANS AND MEP DRAWINGS.
2. REFER TO A7.0 FOR ACCESSORIES LISTED ON THIS PAGE

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

074633-F	COLUMN WRAP & TRIM
076200-J	METAL DOWNSPOUT, SIZE AS SPECIFIED
076200-P	DOWNSPOUT BOOT WITH CLEANOUT, COORDINATE WITH CIVIL
104400-D	WALL-MOUNTED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
105126-A	PLASTIC LOCKER
105126-B	FILLER PANEL
220000-A	PLUMBING (REFER TO PLUMBING FOR MORE INFORMATION)
230000-A	MECHANICAL (REFER TO MECHANICAL FOR MORE INFORMATION)
323199-A	FENCE
323199-B	EGRESS GATE WITH PANIC HARDWARE

CONSTRUCTION NOTES

NOTE #	DESCRIPTION
9.5	APPROXIMATE AREA OF STUCCO REPAIR.
9.6	INSTALL ABUSE- AND MOLD-RESISTANT GWB UP TO DECK. TYPICAL ENTIRE SPACE.
9.7	RETURN GWB TO FRAME. TYPICAL HEAD, JAMB, AND SILL (WHERE APPLICABLE).

8 0 8 16
SCALE OF FEET
1/8" = 1'-0"

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BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: FLOOR PLAN
Drawing Number: A1.1

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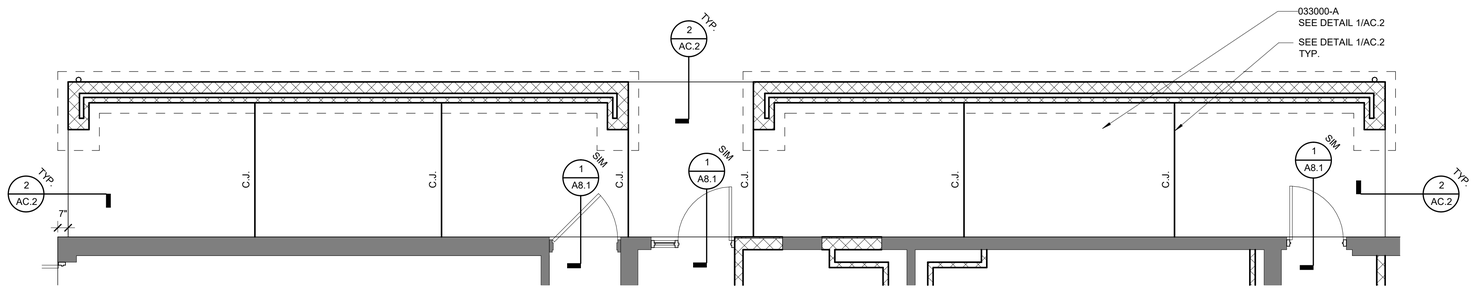


NOTE: REFER TO CIVIL DRAWINGS FOR SLAB ELEVATIONS.

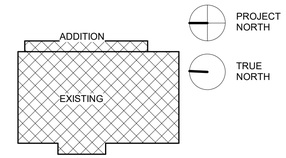
1 A1.2 EXTERIOR SLAB PLAN

1/4" = 1'-0"

2 A1.2 LINTEL PLAN

1/4" = 1'-0"

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

033000-A CONCRETE SLAB ON GRADE

CONSTRUCTION NOTES

NOTE #	DESCRIPTION
5.1	NEW LINTEL: (1) L6 X 3-1/2" X 3/8" FOR EA. 4" OF WALL THICKNESS. SEE TYPICAL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.
5.2	NEW LINTEL: 6 X 8 PRECAST CONC. W/ (1) - #3 BAR TOP AND BOTTOM. SEE TYPICAL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

4 0 4 8

SCALE OF FEET
1/4" = 1'-0"

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Job No.	#23042	AA	Drawn
Scale	1/4" = 1'-0"	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: EXTERIOR SLAB AND LINTEL PLAN

Drawing Number: A1.2

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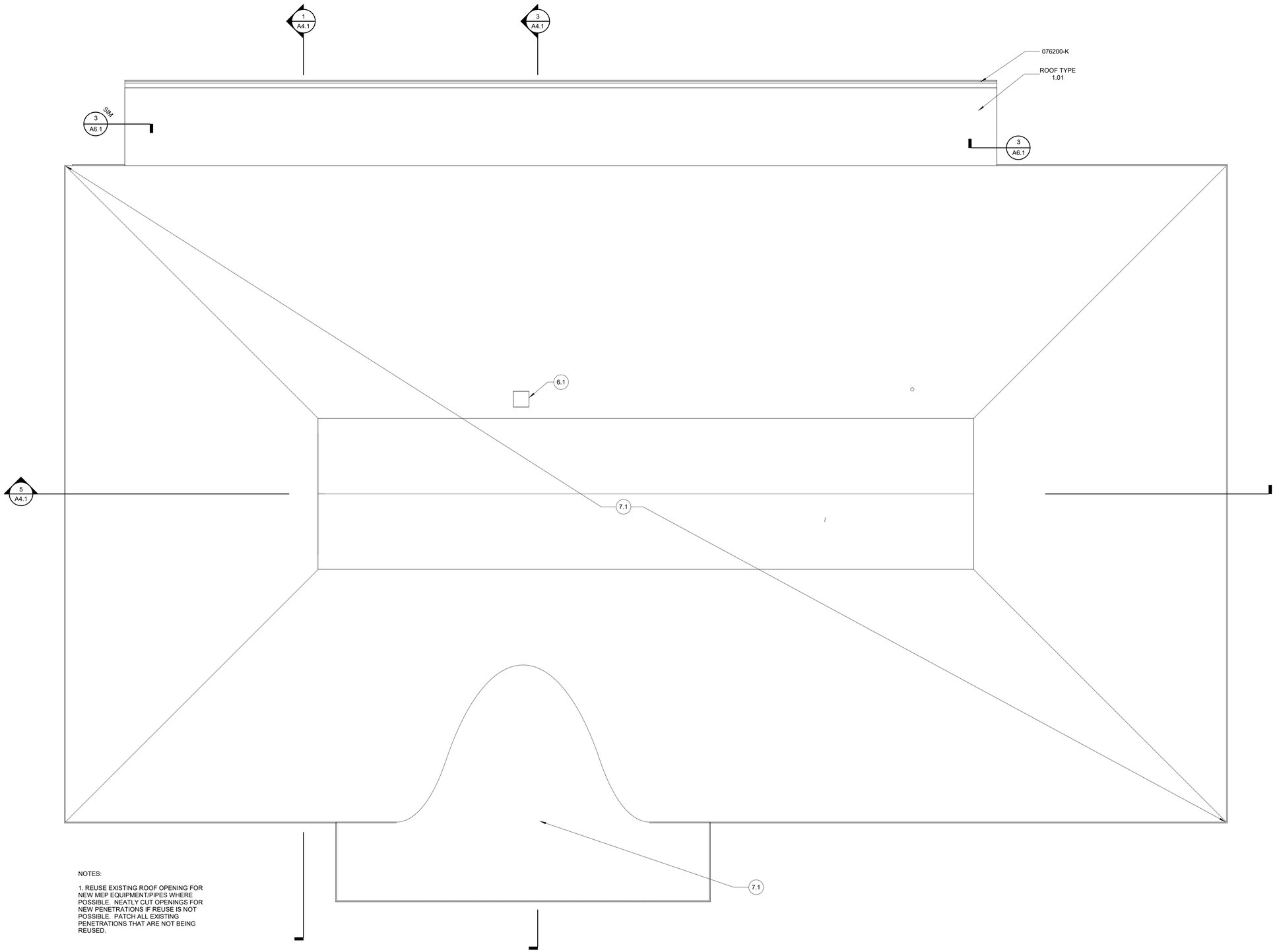
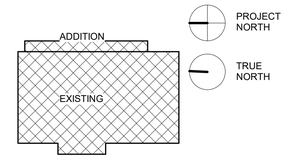


NOTES:

1. REUSE EXISTING ROOF OPENING FOR NEW MEP EQUIPMENT/PIPES WHERE POSSIBLE. NEATLY CUT OPENINGS FOR NEW PENETRATIONS IF REUSE IS NOT POSSIBLE. PATCH ALL EXISTING PENETRATIONS THAT ARE NOT BEING REUSED.

1 A1.3 ROOF PLAN
1/4" = 1'-0"

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

076200-K METAL GUTTER, SIZE AS SPECIFIED

CONSTRUCTION NOTES

NOTE #	DESCRIPTION
6.1	ENLARGE OR PATCH EXISTING OPENING TO ACCOMODATE NEW MECHANCIAL EQUIPMENT. COORDINATE WITH MEP.
7.1	EXISTING SHINGLES TO REMAIN. INSTALL NEW DRIP EDGE ALONG PERIMETER.

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Scale	1/4" = 1'-0"	AM	Checked
Date	02/19/2026	LA	Approved
Drawing Title	ROOF PLAN	Drawing Number	A1.3
Sheet	20	68	Of

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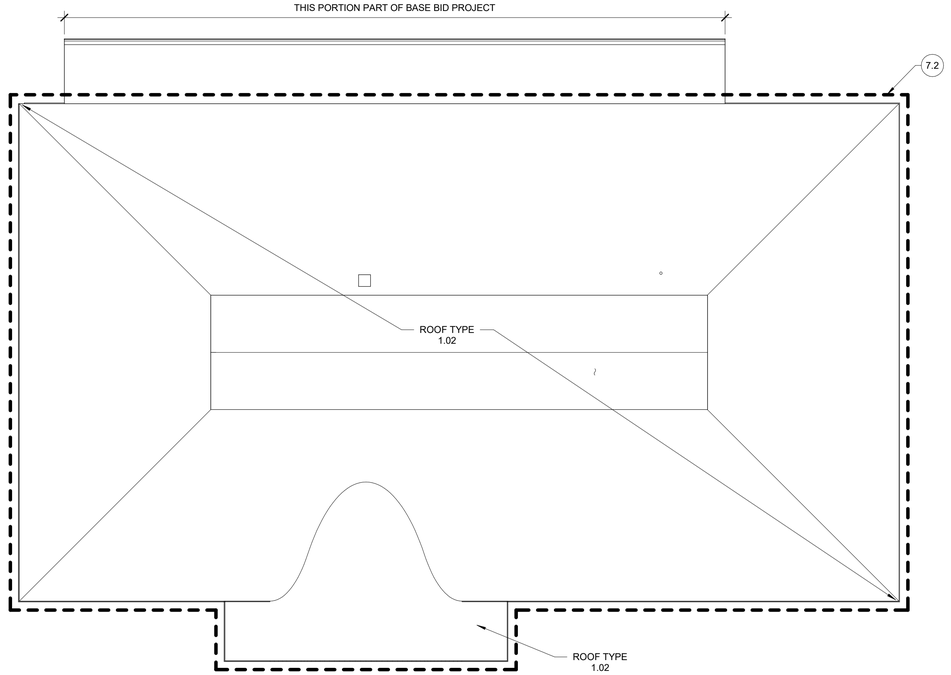
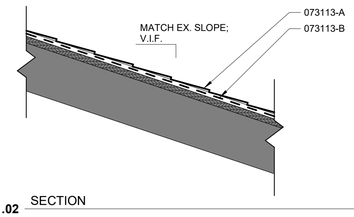


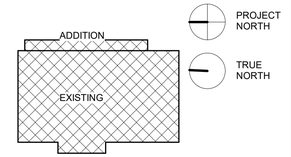
1 A1.4 ROOF PLAN - ADD ALTERNATE #1
1/8" = 1'-0"



1.02 SECTION

2 A1.4 ROOF TYPE - ADD ALTERNATE #1
1 1/2" = 1'-0"

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

073113-A ASHPHALT SHINGLE
073113-B ROOF UNDERLAYMENT

CONSTRUCTION NOTES

NOTE #	DESCRIPTION
7.2	REPLACE ASPHALT SHINGLES AND ROOF UNDERLAYMENT.

12 6 0 12
SCALE OF INCHES
1 1/2" = 1'-0"

8 0 8 16
SCALE OF FEET
1/8" = 1'-0"

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Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved
Drawing Title	ROOF PLAN - ADD ALTERNATE	Drawing Number	A1.4
Sheet	21	68	Of

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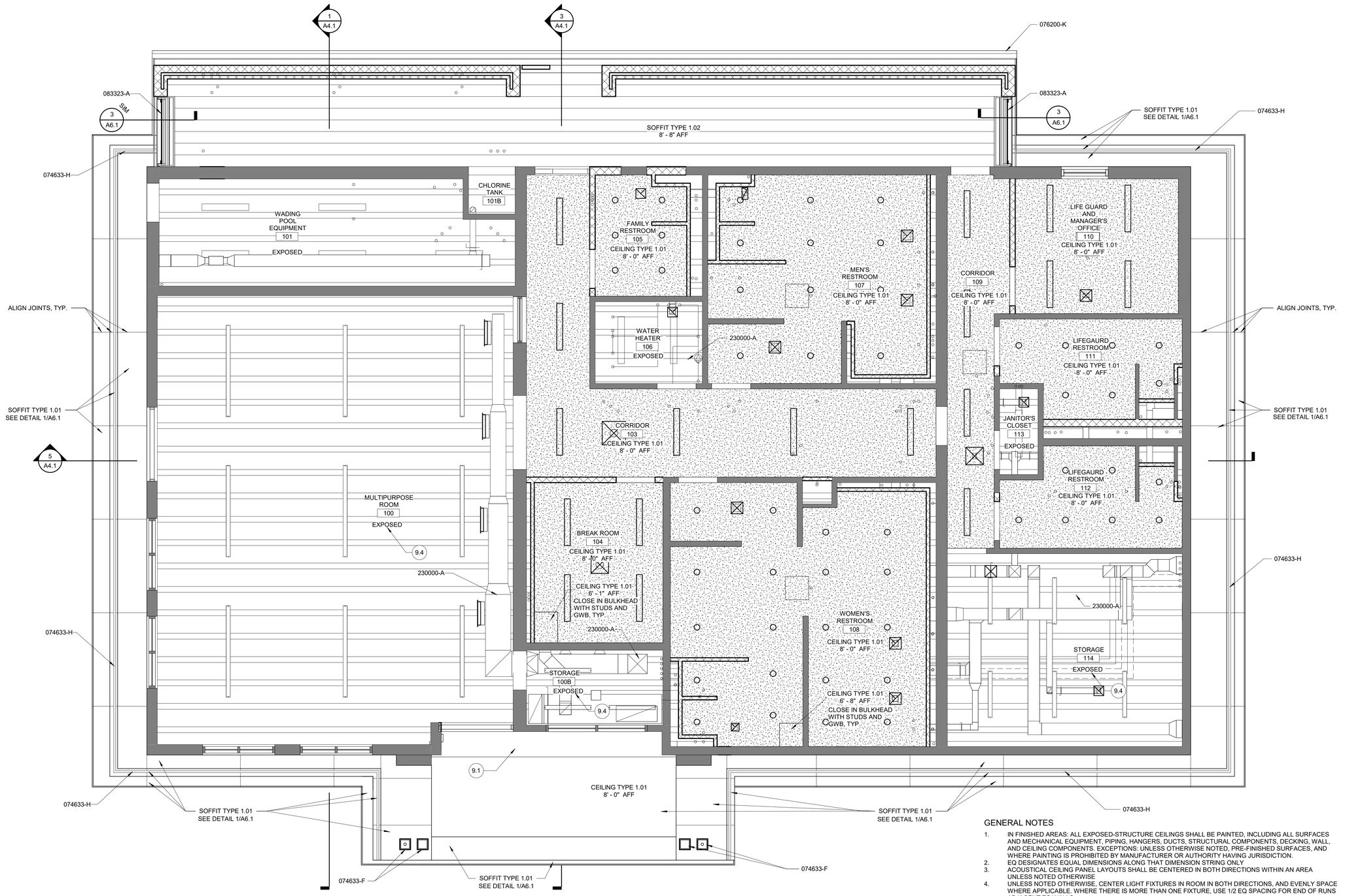
11/7/2025 9:13:19 AM

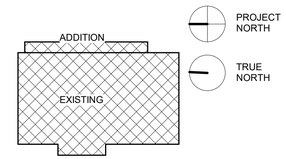


1 A2.1 REFLECTED CEILING PLAN - FIRST FLOOR
1/4" = 1'-0"

GENERAL NOTES

1. IN FINISHED AREAS: ALL EXPOSED-STRUCTURE CEILINGS SHALL BE PAINTED, INCLUDING ALL SURFACES AND MECHANICAL EQUIPMENT, PIPING, HANGERS, DUCTS, STRUCTURAL COMPONENTS, DECKING, WALL, AND CEILING COMPONENTS. EXCEPTIONS: UNLESS OTHERWISE NOTED, PRE-FINISHED SURFACES, AND WHERE PAINTING IS PROHIBITED BY MANUFACTURER OR AUTHORITY HAVING JURISDICTION.
2. EQ DESIGNATES EQUAL DIMENSIONS ALONG THAT DIMENSION STRING ONLY
3. ACOUSTICAL CEILING PANEL LAYOUTS SHALL BE CENTERED IN BOTH DIRECTIONS WITHIN AN AREA UNLESS NOTED OTHERWISE
4. UNLESS NOTED OTHERWISE, CENTER LIGHT FIXTURES IN ROOM IN BOTH DIRECTIONS, AND EVENLY SPACE WHERE APPLICABLE. WHERE THERE IS MORE THAN ONE FIXTURE, USE 1/2 EQ SPACING FOR END OF RUNS ADJACENT TO WALLS.
5. WHERE AN ELECTRONIC DEVICE OR LIGHT FIXTURE IS SHOWN IN A CEILING PANEL, CENTER DEVICE WITHIN CEILING PANEL UNLESS INDICATED OTHERWISE, SUCH AS A LINEAR LIGHT FIXTURE ALIGNED WITH ONE SIDE OF A CEILING PANEL.
6. PROVIDE 3" MIN. CLEAR BETWEEN LIGHT FIXTURES AND ABOVE CEILING INSULATION OR OTHER FLAMMABLE MATERIALS AT NON-IC FIXTURE LOCATIONS.
7. MECH, ELEC, PLUMBING EQUIPMENT SHOWN FOR REFERENCE ONLY. SEE M, E, P DRAWINGS FOR FULL DESCRIPTION.
8. UNLESS NOTED OTHERWISE OR REQUIRED BY CODE OR AHJ, CENTER SPRINKLER HEADS IN CEILING PANELS AND BULKHEADS IN BOTH DIRECTIONS AND SPACE EVENLY IN ROOM.
9. WHEREVER AN EXIT SIGN IS LOCATED ABOVE A DOOR, GROUP OF DOORS OR ANOTHER OPENING, CENTER THE EXIT SIGN ABOVE THE OPENING UNLESS NOTED OTHERWISE.

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

074633-F	COLUMN WRAP & TRIM
074633-H	CONTINUOUS SOFFIT VENT
076200-K	METAL GUTTER, SIZE AS SPECIFIED
083323-A	OVERHEAD COILING DOOR
230000-A	MECHANICAL (REFER TO MECHANICAL FOR MORE INFORMATION)

CONSTRUCTION NOTES

NOTE #	DESCRIPTION
9.1	PAINT EXISTING STUCCO.
9.4	PAINT EXISTING CONCRETE CEILING STRUCTURE.

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Drawing Title: REFLECTED CEILING PLAN

Drawing Number: A2.1

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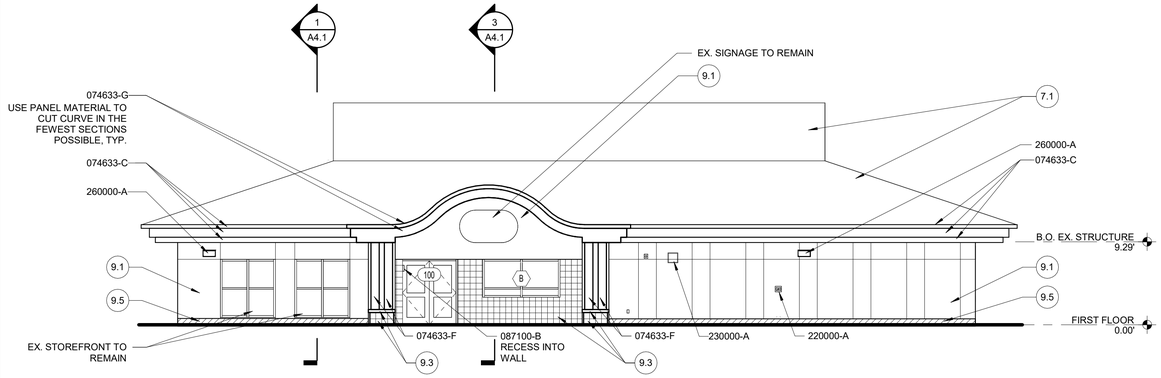
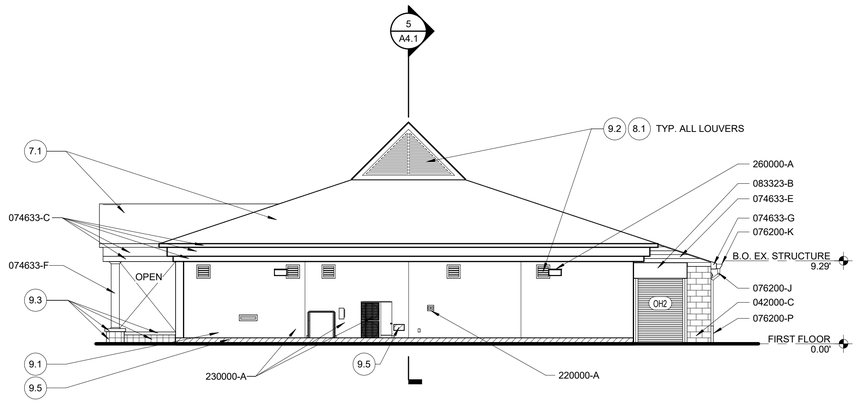
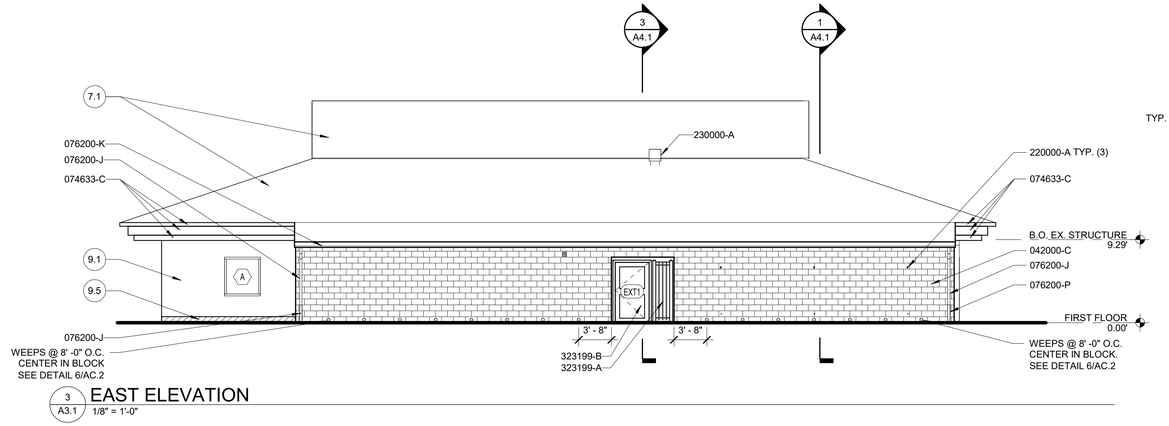


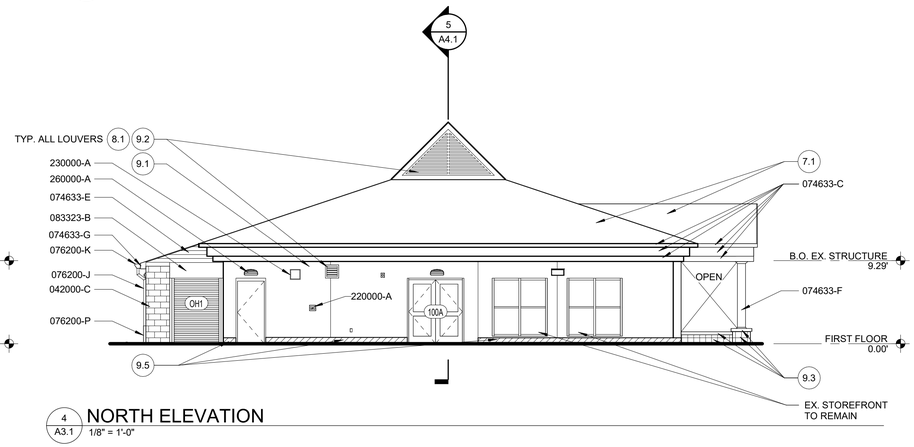
1 A3.1 **WEST ELEVATION**
1/8" = 1'-0"
FROM 1 / A1.1



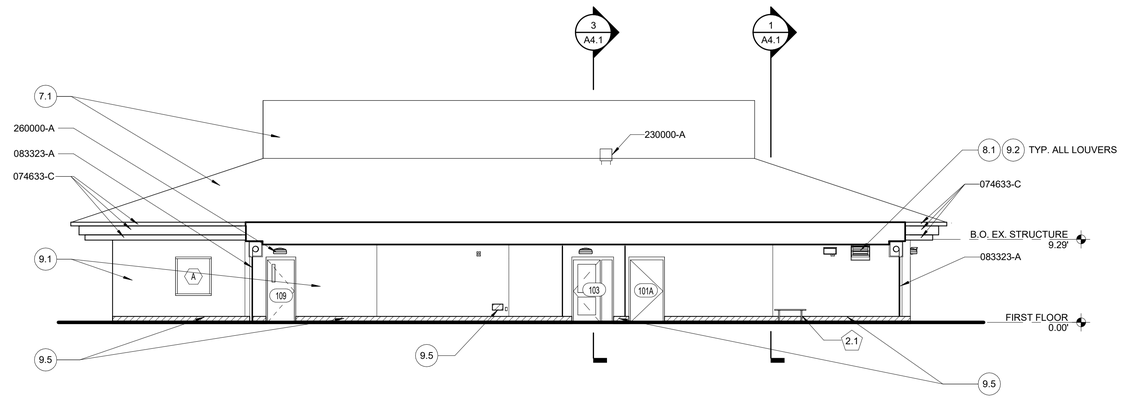
2 A3.1 **SOUTH ELEVATION**
1/8" = 1'-0"



3 A3.1 **EAST ELEVATION**
1/8" = 1'-0"



4 A3.1 **NORTH ELEVATION**
1/8" = 1'-0"



5 A3.1 **EAST ELEVATION - THROUGH ADDITION**
1/8" = 1'-0"

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

042000-C	DECORATIVE CMU, SIZE AND COLOR AS INDICATED
074633-C	FASCIA BOARD
074633-E	SIDING
074633-F	COLUMN WRAP & TRIM
074633-G	COMPOSITE PANEL
076200-J	METAL DOWNSPOUT, SIZE AS SPECIFIED
076200-K	METAL GUTTER, SIZE AS SPECIFIED
076200-P	DOWNSPOUT BOOT WITH CLEANOUT, COORDINATE WITH CIVIL
083323-A	OVERHEAD COILING DOOR
083323-B	HOOD
087100-B	KNOX VAULT
220000-A	PLUMBING (REFER TO PLUMBING FOR MORE INFORMATION)
230000-A	MECHANICAL (REFER TO MECHANICAL FOR MORE INFORMATION)
260000-A	ELECTRICAL (REFER TO ELECTRICAL FOR MORE INFORMATION)
323199-A	FENCE
323199-B	EGRESS GATE WITH PANIC HARDWARE

CONSTRUCTION NOTES

NOTE #	DESCRIPTION
7.1	EXISTING SHINGLES TO REMAIN. INSTALL NEW DRIP EDGE ALONG PERIMETER.
8.1	INSTALL NEW INTERIOR INSECT SCREEN ON EXISTING LOUVER.
9.1	PAINT EXISTING STUCCO.
9.2	PAINT EXISTING LOUVER.
9.3	CLEAN EXISTING TILE AND CAST STONE.
9.5	APPROXIMATE AREA OF STUCCO REPAIR.

8 0 8 16
SCALE OF FEET
1/8" = 1'-0"

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Job No.	#23042	AA	Drawn
Scale	1/8" = 1'-0"	AM	Checked
Date	02/19/2026	LA	Approved
Drawing Title	EXTERIOR ELEVATIONS	Drawing Number	A3.1
Sheet	23	68	Of

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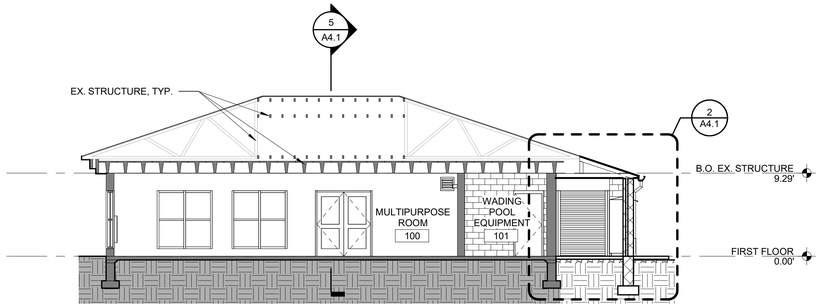
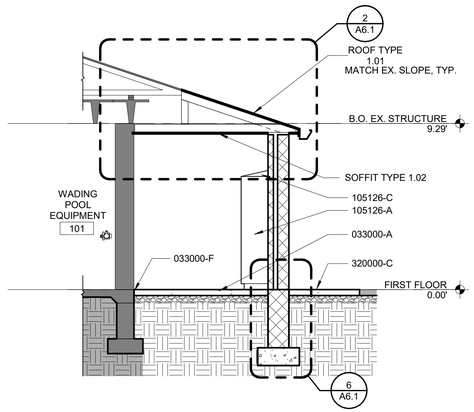
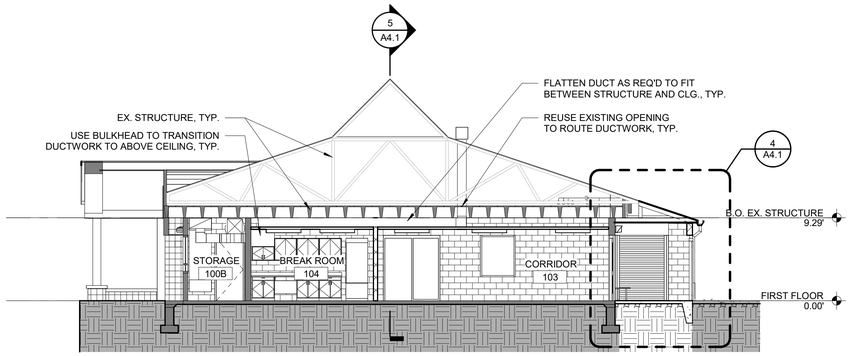


1 A4.1 BUILDING SECTION
1/8" = 1'-0"

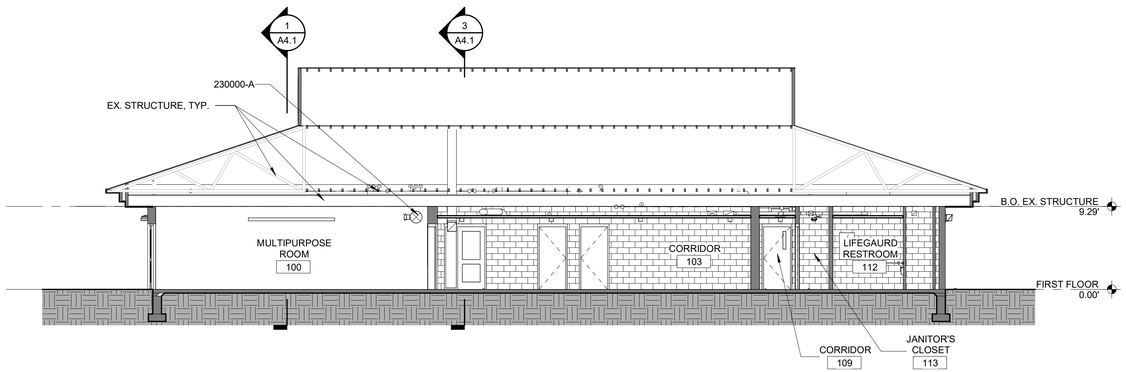


2 A4.1 WALL SECTION
1/4" = 1'-0"



3 A4.1 BUILDING SECTION
1/8" = 1'-0"

4 A4.1 WALL SECTION
1/4" = 1'-0"



5 A4.1 BUILDING SECTION
1/8" = 1'-0"

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

033000-A	CONCRETE SLAB ON GRADE
033000-F	EXPANSION JOINT MATERIAL, 1/2" UNO
105126-A	PLASTIC LOCKER
105126-C	LOCKER SLOPED TOP
230000-A	MECHANICAL (REFER TO MECHANICAL FOR MORE INFORMATION)
320000-C	CONCRETE SIDEWALK (REFER TO CIVIL FOR MORE INFORMATION)

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

8 0 8 16
SCALE OF FEET
1/8" = 1'-0"

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Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: BUILDING AND WALL SECTIONS

Drawing Number: A4.1

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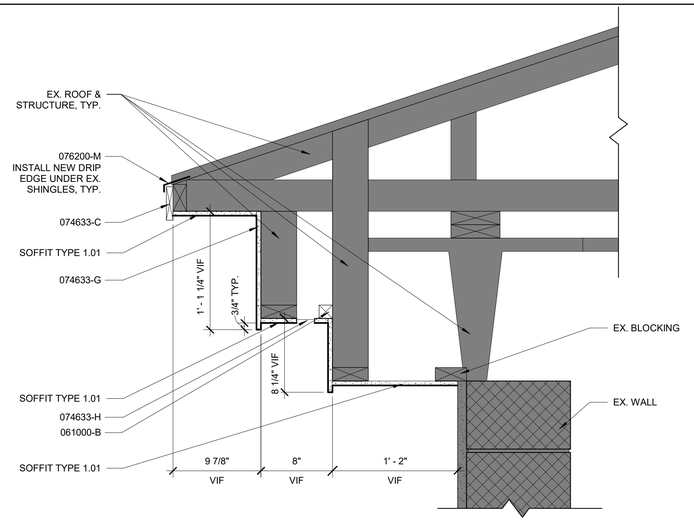
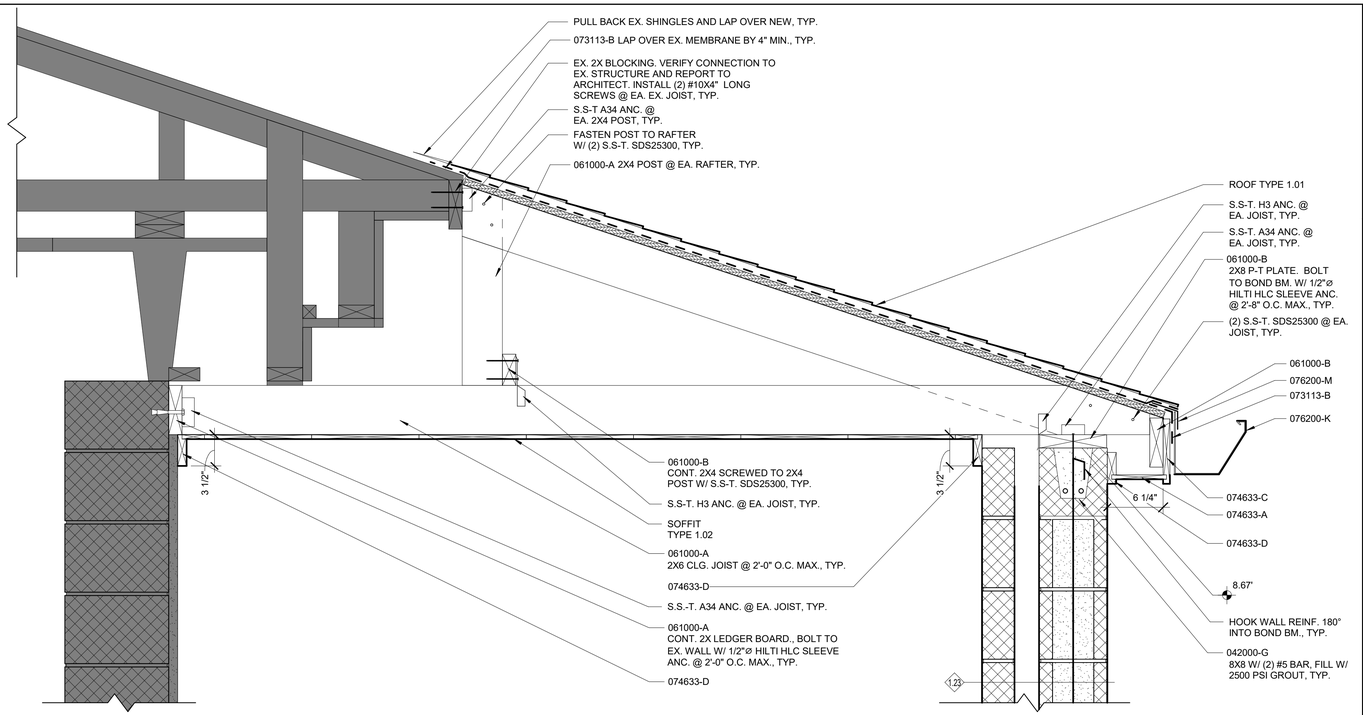
11/7/2025 9:13:03 AM



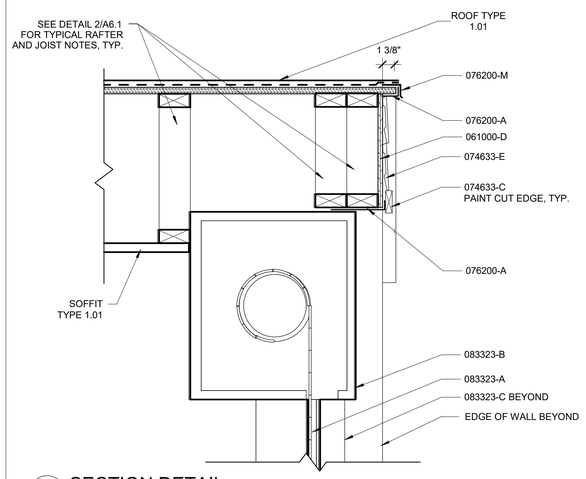
1 A6.1 TYPICAL SOFFIT & FASCIA REPLACEMENT DETAIL

1 1/2" = 1'-0"



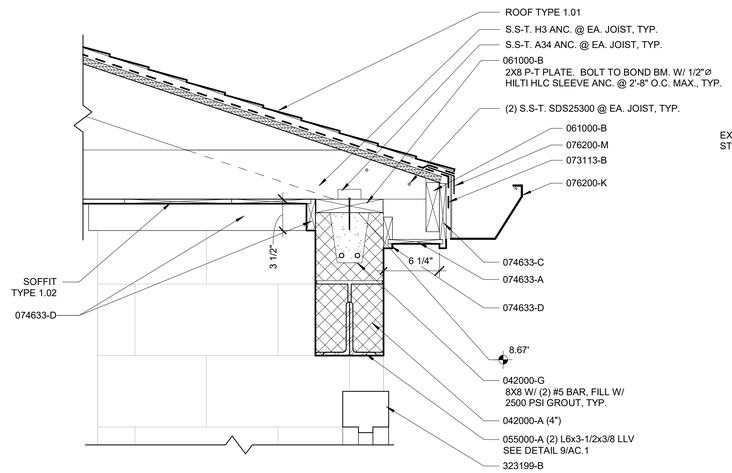
2 A6.1 SECTION DETAIL

1 1/2" = 1'-0"



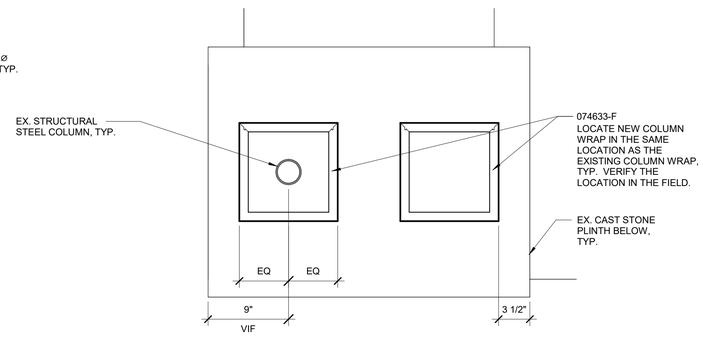
3 A6.1 SECTION DETAIL

1 1/2" = 1'-0"



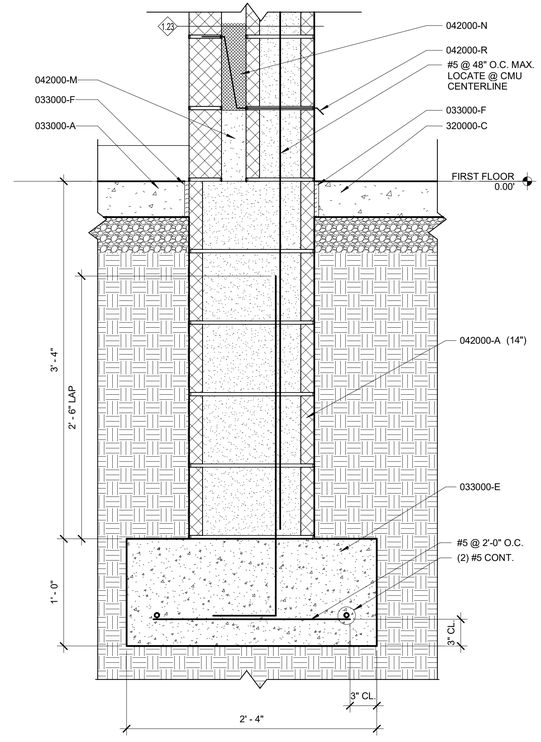
4 A6.1 SECTION DETAIL

1 1/2" = 1'-0"



5 A6.1 PLAN DETAIL

1 1/2" = 1'-0"



6 A6.1 SECTION DETAIL

1 1/2" = 1'-0"

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

033000-A	CONCRETE SLAB ON GRADE
033000-E	CONCRETE FOOTING
033000-F	EXPANSION JOINT MATERIAL, 1/2" UNO
042000-A	CONCRETE MASONRY UNIT, SIZE AS INDICATED
042000-G	BOND BEAM
042000-M	CEMENTITIOUS GROUT
042000-N	CAVITY MORTAR CONTROL
042000-R	THRU-WALL FLASHING
055000-A	STEEL ANGLE, SIZE AS INDICATED
061000-A	DIMENSIONAL LUMBER; NOMINAL SIZE AS INDICATED
061000-B	BLOCKING
061000-D	EXTERIOR PLYWOOD SHEATHING; PRESERVATIVE TREATED; THICKNESS AS INDICATED
073113-B	ROOF UNDERLAYMENT
074633-A	SOFFIT BOARD
074633-C	FASCIA BOARD
074633-D	FRIEZE BOARD
074633-E	SIDING
074633-F	COLUMN WRAP & TRIM
074633-G	COMPOSITE PANEL
074633-H	CONTINUOUS SOFFIT VENT
076200-A	BRAKE METAL
076200-K	METAL GUTTER, SIZE AS SPECIFIED
076200-M	DRIP EDGE
083323-A	OVERHEAD COILING DOOR
083323-B	HOOD
083323-C	GUIDE
320000-C	CONCRETE SIDEWALK (REFER TO CIVIL FOR MORE INFORMATION)
323199-B	EGRESS GATE WITH PANIC HARDWARE

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	1 1/2" = 1'-0"	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: PLAN & SECTION DETAILS

Drawing Number: A6.1

Sheet 25 68 Of

Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation - 2024.rvt
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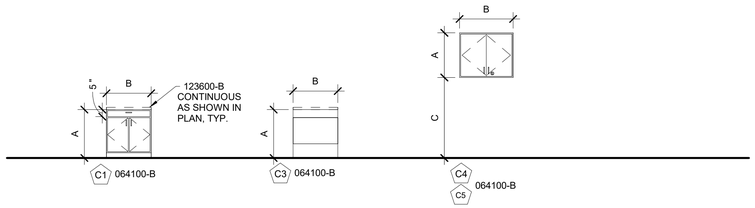
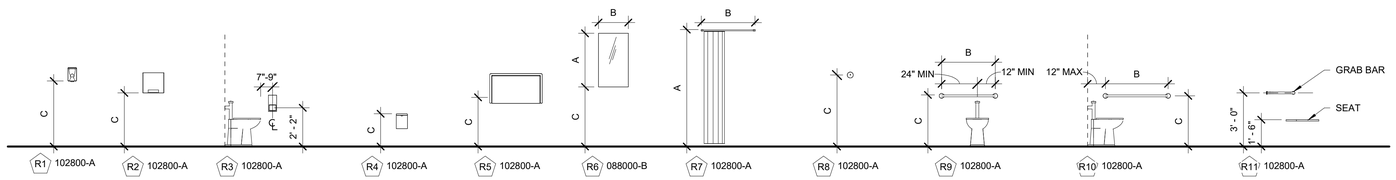


1 A7.1 CASEWORK ACCESSORIES

1/4" = 1'-0"



2 A7.1 RESTROOM ACCESSORIES

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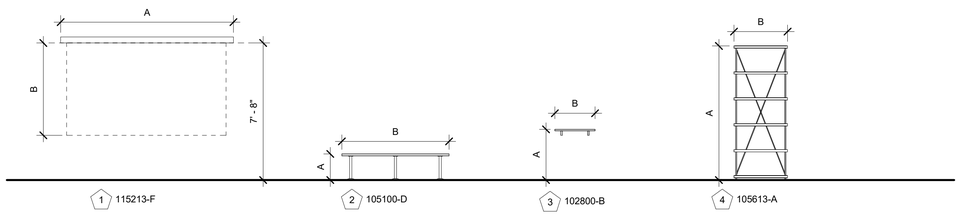

3 A7.1 GENERAL ACCESSORIES

1/4" = 1'-0"

ACCESSORY SCHEDULE - CASEWORK

ACCESSORY NO.	DESCRIPTION	DIMENSIONS A	B	C	DEPTH	FURNISHED	INSTALLED	KEYNOTE	LOCK	COMMENTS
C1	BASE CABINET: DOUBLE DOOR & DRAWER	2' - 8 1/2"	2' - 6"			CONTRACTOR	CONTRACTOR	064100-B	No	
C3	BASE CABINET: ADA SINK	2' - 10"	2' - 6"		2' - 0"	CONTRACTOR	CONTRACTOR	064100-B	No	
C4	UPPER CABINET: DOUBLE DOOR	2' - 6"	2' - 6"	4' - 6"	1' - 0"	CONTRACTOR	CONTRACTOR	064100-B	No	
C5	UPPER CABINET: DOUBLE DOOR	1' - 7"	2' - 6"	5' - 5"	1' - 0"	CONTRACTOR	CONTRACTOR	064100-B	No	

ACCESSORY SCHEDULE - RESTROOM

ACCESSORY NO.	DESCRIPTION	DIMENSIONS A	B	C	DEPTH	FURNISHED	INSTALLED	KEYNOTE	COMMENTS
R1	SOAP DISPENSER			3' - 8"		CONTRACTOR	CONTRACTOR	102800-A	
R2	ELECTRIC HAND DRYER	1' - 2"	1' - 1 1/2"	3' - 0"	4"	CONTRACTOR	CONTRACTOR	102800-A	
R3	TOILET PAPER DISPENSER			2' - 2"		CONTRACTOR	CONTRACTOR	102800-A	
R4	SANITARY NAPKIN DISPOSAL			1' - 10"		CONTRACTOR	CONTRACTOR	102800-A	
R5	BABY CHANGING STATION			2' - 9"		CONTRACTOR	CONTRACTOR	102800-A	
R6	FRAMELESS MIRROR	3' - 0"	1' - 8"	2' - 8"	0"	CONTRACTOR	CONTRACTOR	088000-B	
R7	SHOWER CURTAIN	6' - 6"	3' - 0"			CONTRACTOR	CONTRACTOR	102800-A	
R8	ROBE HOOK			4' - 0"		CONTRACTOR	CONTRACTOR	102800-A	HEIGHT (C) DIMENSIONS VARIES, SEE ELEVATION DRAWINGS
R9	REAR GRAB BAR		3' - 6"	2' - 10"		CONTRACTOR	CONTRACTOR	102800-A	
R10	SIDE GRAB BAR		3' - 0"	2' - 10"		CONTRACTOR	CONTRACTOR	102800-A	
R11	ADA SHOWER SEAT AND GRAB BAR	3' - 0"	3' - 0"			CONTRACTOR	CONTRACTOR	102800-A	

ACCESSORY SCHEDULE - GENERAL

ACCESSORY NO.	DESCRIPTION	DIMENSIONS A	B	C	DEPTH	FURNISHED	INSTALLED	KEYNOTE	COMMENTS
1	WALL MOUNTED PROJECTION SCREEN	9' - 8"	4' - 10 1/2"			CONTRACTOR	CONTRACTOR	115213-F	
2	LOCKER ROOM BENCH	1' - 5 1/2"	4' - 0"		9 1/2"	CONTRACTOR	CONTRACTOR	105126-D	
2.1	LOCKER ROOM BENCH: ADA	1' - 5 1/2"	3' - 6"		1' - 8"	CONTRACTOR	CONTRACTOR	105126-D	
3	METAL SHELF	3' - 6"	1' - 6"		8"	CONTRACTOR	CONTRACTOR	102800-B	
4	METAL SHELVING	7' - 6"	3' - 0"		2' - 0"	CONTRACTOR	CONTRACTOR	105613-A	

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

064100-B	PLAM CASEWORK
088000-B	FRAMELESS MIRROR, SIZE AS INDICATED
102800-A	TOILET, BATH AND LAUNDRY ACCESSORIES
102800-B	METAL SHELF
105100-D	LOCKER ROOM BENCH
105613-A	METAL STORAGE SHELF
115213-F	MANUAL OPERATED PROJECTION SCREEN
123600-B	CONTINUOUS SOLID SURFACE COUNTER AND BACKSPLASH

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF
RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale		AM	Checked
Date	02/19/2026	LA	Approved
Drawing Title	ACCESSORY SCHEDULE	Drawing Number	A7.1
Sheet	26	68	Of

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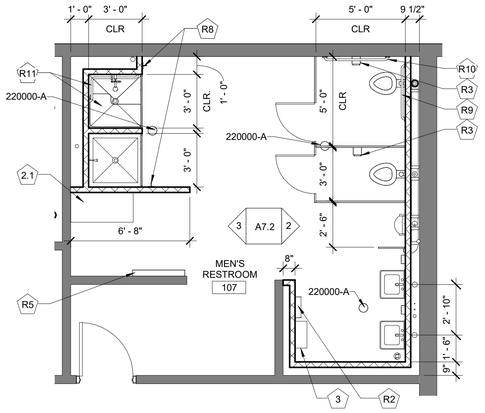
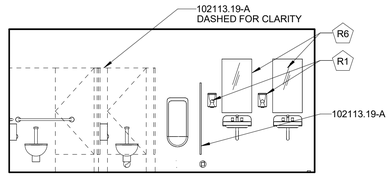
11/7/2025 9:13:07 AM



1 A7.2 ENLARGED PLANS - MALE CHANGING AND RESTROOMS
1/4" = 1'-0"



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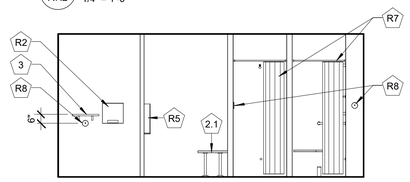
1/4" = 1'-0"



3 A7.2 INT. ELEV - MEN'S RESTROOM
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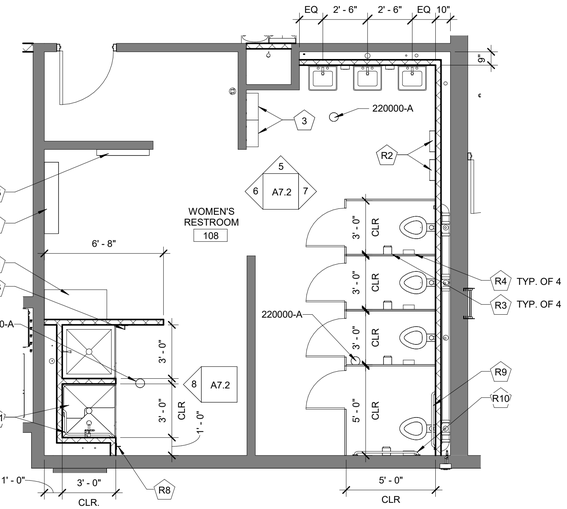

4 A7.2 ENLARGED PLANS - WOMAN'S CHANGING AND RESTROOM
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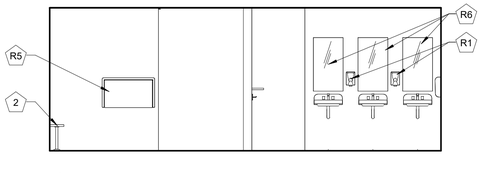

5 A7.2 INT. ELEV - WOMAN'S RESTROOM
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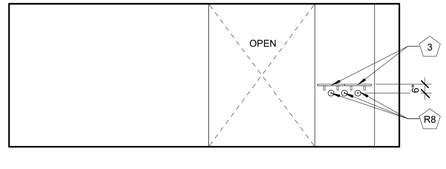

6 A7.2 INT. ELEV - WOMAN'S RESTROOM
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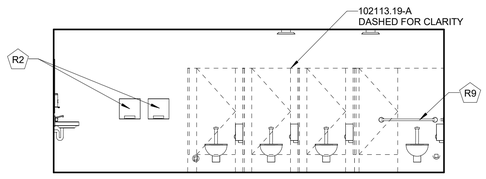

7 A7.2 INT. ELEV - WOMAN'S RESTROOM
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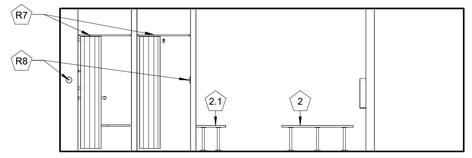

8 A7.2 INT. ELEV - WOMAN'S RESTROOM
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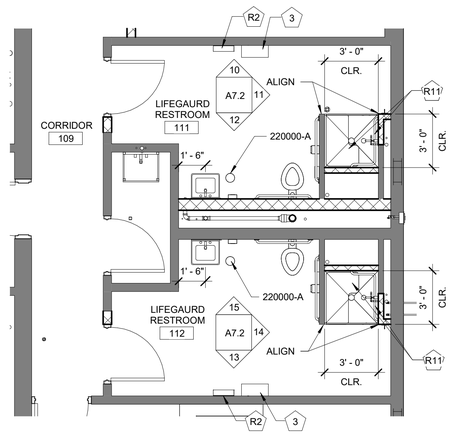

9 A7.2 ENLARGED PLANS - LIFEGAURD RESTROOMS
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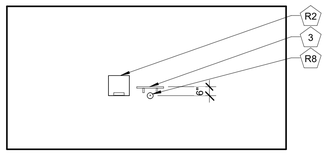

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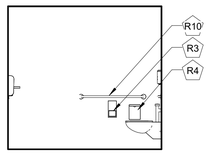

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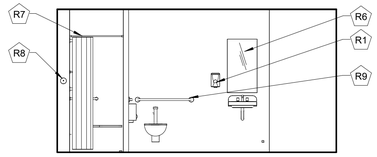

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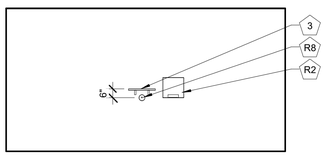

13 A7.2 INT. ELEV - RESTROOM 112
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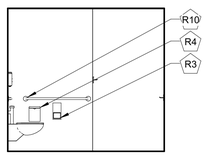

14 A7.2 INT. ELEV - RESTROOM 112
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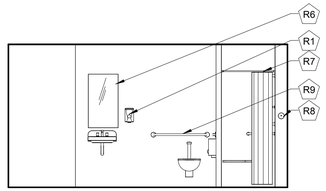

15 A7.2 INT. ELEV - RESTROOM 112
1/4" = 1'-0"

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

102113.19 -A PLASTIC TOILET COMPARTMENT

220000-A PLUMBING (REFER TO PLUMBING FOR MORE INFORMATION)

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF
RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	1/4" = 1'-0"	AM	Checked
Date	02/19/2026	LA	Approved
Drawing Title	ENLARGED PLANS & INTERIOR ELEVATIONS	Drawing Number	A7.2
Sheet	27	68	Of

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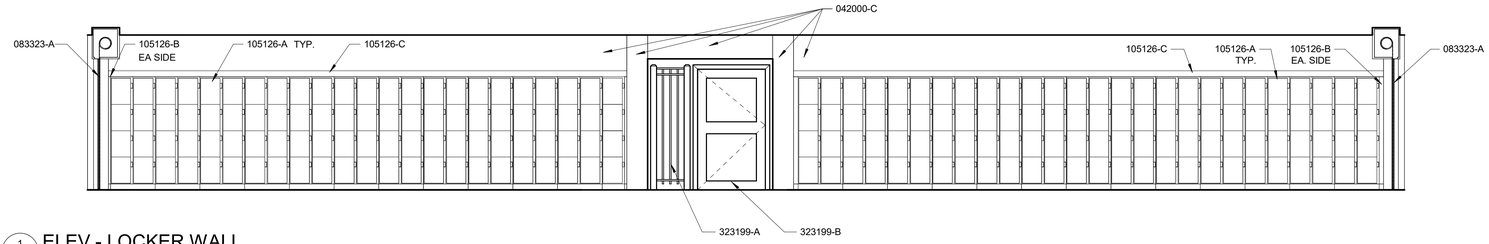
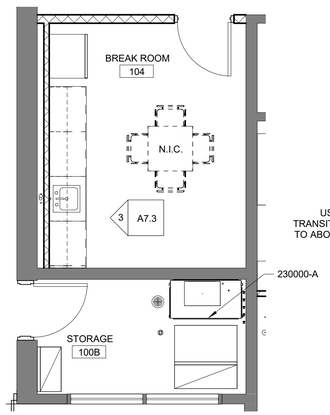
11/7/2025 9:13:11 AM



1 / A7.3 ELEV - LOCKER WALL
1/4" = 1'-0"



2 / A7.3 ENLARGED PLAN - STAFF AREA
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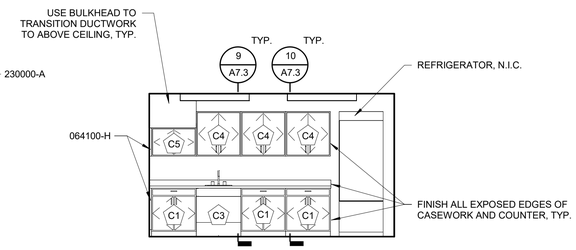
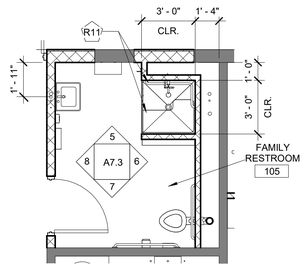
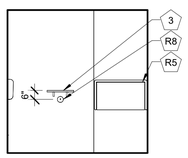


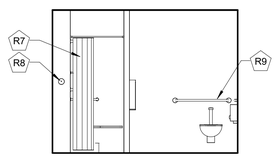
3 / A7.3 INT. ELEV - BREAKROOM
1/4" = 1'-0"



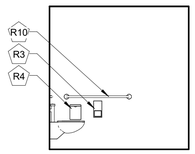
4 / A7.3 ENLARGED PLAN - FAMILY RESTROOM
1/4" = 1'-0"



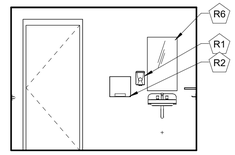
5 / A7.3 INT. ELEV - FAMILY
1/4" = 1'-0"



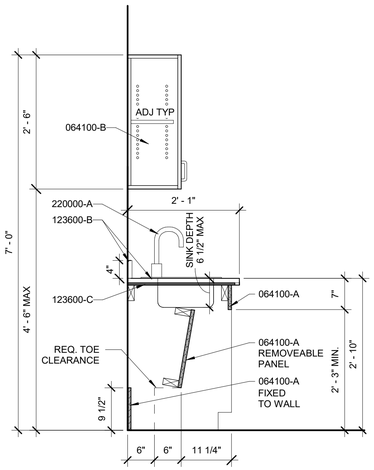
6 / A7.3 INT. ELEV - FAMILY
1/4" = 1'-0"



7 / A7.3 INT. ELEV - FAMILY
1/4" = 1'-0"



8 / A7.3 INT. ELEV - FAMILY
1/4" = 1'-0"



9 / A7.3 ADA-COMPLIANT SINK DETAIL
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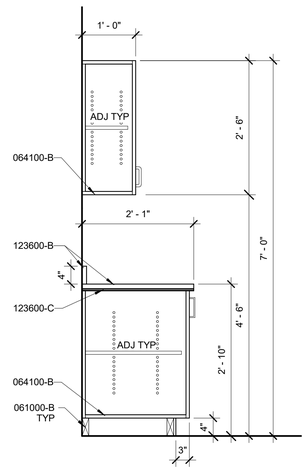

10 / A7.3 CASEWORK DETAIL TYP
3/4" = 1'-0"

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

042000-C	DECORATIVE CMU, SIZE AND COLOR AS INDICATED
061000-B	BLOCKING
064100-A	PLAM PANEL
064100-B	PLAM CASEWORK
064100-H	FILLER PANEL, 2" WIDTH UNO OR SIZED TO FIT OPENING
083323-A	OVERHEAD COILING DOOR
105126-A	PLASTIC LOCKER
105126-B	FILLER PANEL
105126-C	LOCKER SLOPED TOP
123600-B	CONTINUOUS SOLID SURFACE COUNTER AND BACKSPLASH
123600-C	COUNTER SUBSTRATE
220000-A	PLUMBING (REFER TO PLUMBING FOR MORE INFORMATION)
230000-A	MECHANICAL (REFER TO MECHANICAL FOR MORE INFORMATION)
323199-A	FENCE
323199-B	EGRESS GATE WITH PANIC HARDWARE

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF
RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: ENLARGED PLANS, INT ELEVATIONS, & CASEWORK DETAILS

Drawing Number: A7.3

Sheet 28 68 Of

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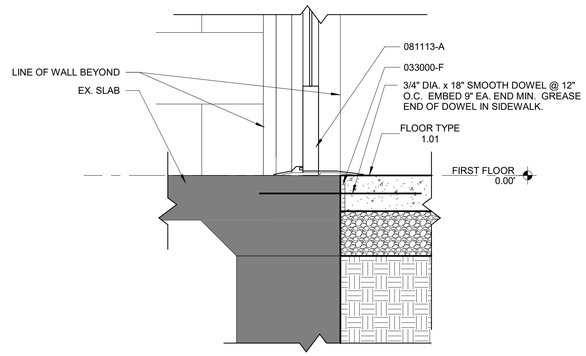
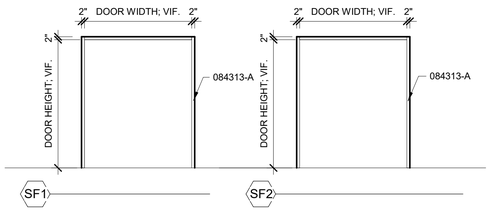
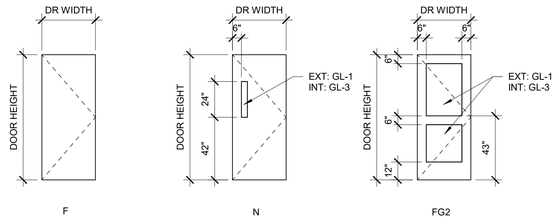
DOOR SCHEDULE - FIRST FLOOR

OPENING NO.	LOCATION FROM	LOCATION TO	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	SIDELIGHT WIDTH	DETAIL REF. HEAD	DETAIL REF. JAMB	HARDWARE SET	COMMENTS
100	100	EXT	FG2FG2	6' - 0"	7' - 2"	AL	PREFINISHED	SF-1	AL	PREFINISHED		H-EX-6	J-EX-4	HW-13	VERIFY DIMENSIONS IN FIELD
100A	100	EXT	FG2FG2	6' - 0"	7' - 2"	AL	PREFINISHED	SF-2	AL	PREFINISHED		H-EX-6	J-EX-4	HW-13	VERIFY DIMENSIONS IN FIELD
100B	100	100B	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-3	J-EX-2	HW-20	VERIFY DIMENSIONS IN FIELD
100C	100	103	F	3' - 0"	7' - 0"	H.M.	PAINTED	F2	H.M.	PAINTED	VIF	H-EX-3	J-EX-2	HW-20	VERIFY DIMENSIONS IN FIELD
101B	EXT		F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-5	J-EX-3	HW-30	VERIFY DIMENSIONS IN FIELD
103	103	EXT	FG2	3' - 0"	7' - 0"	H.M.	PAINTED	F3	H.M.	PAINTED	1' - 2"	H-EX-4	J-EX-3	HW-13	
103A	109	103	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-2	J-EX-1	HW-30	VERIFY DIMENSIONS IN FIELD
104	103	104	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H1.02	J1.02	HW-30	
105	103	105	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H1.02	J1.02	HW-14	
106	103	106	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-2	J-EX-1	HW-30	VERIFY DIMENSIONS IN FIELD
107	103	107	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-2	J-EX-1	HW-1	VERIFY DIMENSIONS IN FIELD
108	103	108	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-2	J-EX-1	HW-1	VERIFY DIMENSIONS IN FIELD
109	EXT		N	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-5	J-EX-3	HW-13	VERIFY DIMENSIONS IN FIELD
110	109	110	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H1.02	J1.02	HW-10	
111	109	111	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-1	J1.02, J-EX-1	HW-14	
112	109	112	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-1	J1.02, J-EX-1	HW-14	
113	109	113	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-2	J-EX-1	HW-30	VERIFY DIMENSIONS IN FIELD
114	109	114	F	3' - 0"	7' - 0"	H.M.	PAINTED	F1	H.M.	PAINTED		H-EX-2	J-EX-1	HW-30	VERIFY DIMENSIONS IN FIELD
EXT1	EXT	EXT	MFR	3' - 11 1/2"	6' - 8"	MFR	PREFINISHED	-	MFR	PREFINISHED		-	-	AS SPEC'D	PRE-HUNG, DIRECT BURY GATE. SEE SPECIFICATION 323199.
OH1	EXT	EXT	MFR	6' - 0"	9' - 1"	MFR	PREFINISHED	-	MFR	PREFINISHED		3/A6.1	8/A8.1	AS SPEC'D	
OH2	EXT	EXT	MFR	6' - 0"	9' - 1"	MFR	PREFINISHED	-	MFR	PREFINISHED		3/A6.1	8/A8.1	AS SPEC'D	

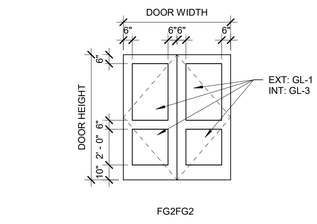


1 / A8.1 SECTION DETAIL
1 1/2" = 1'-0"

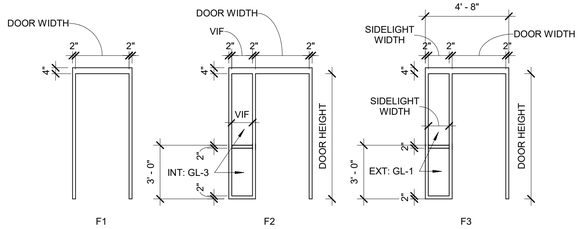




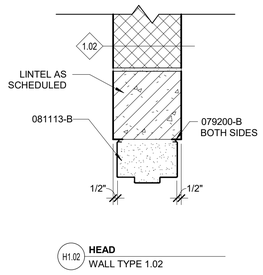
2 / A8.1 DOOR TYPES - SINGLE PANEL

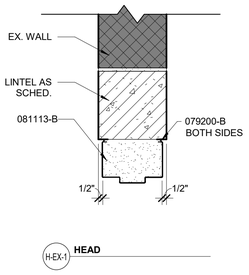


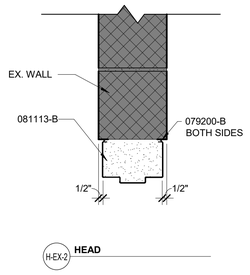
3 / A8.1 DOOR TYPES - DOUBLE PANEL

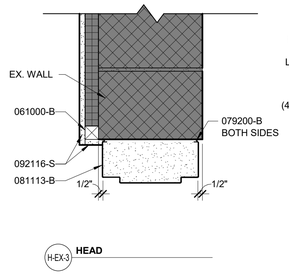


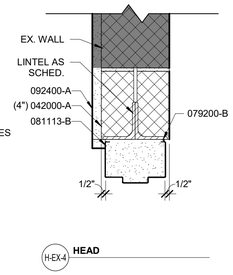
4 / A8.1 FRAME TYPES

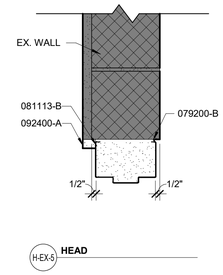


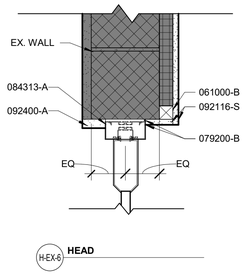




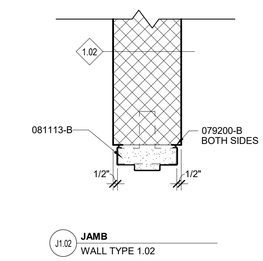


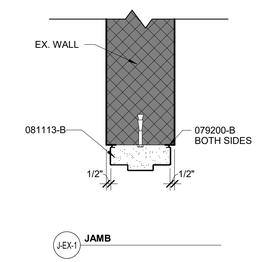


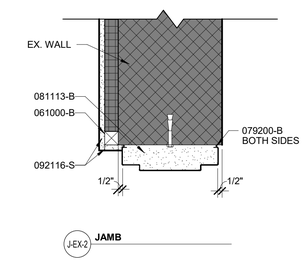


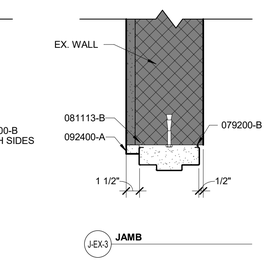


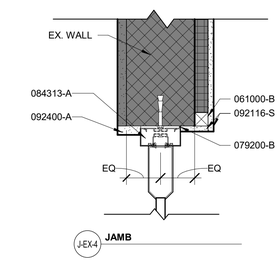
5 / A8.1 DOOR HEAD DETAILS
1 1/2" = 1'-0"



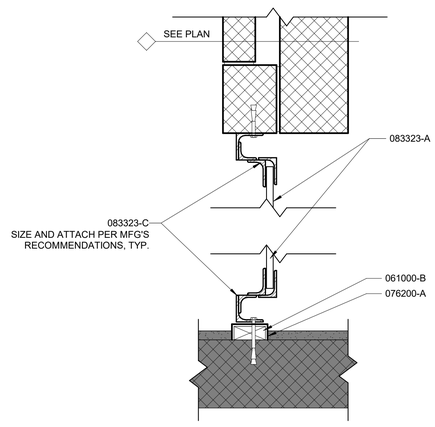








6 / A8.1 DOOR JAMB DETAILS
1 1/2" = 1'-0"



7 / A8.1 TYPICAL OVERHEAD DOOR JAMB DETAIL
1 1/2" = 1'-0"

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

033000-F	EXPANSION JOINT MATERIAL, 1/2" UNO
042000-A	CONCRETE MASONRY UNIT, SIZE AS INDICATED
061000-B	BLOCKING
076200-A	BRAKE METAL
079200-B	JOINT SEALANT
081113-A	HOLLOW METAL DOOR
081113-B	HOLLOW METAL DOOR FRAME
083323-A	OVERHEAD COILING DOOR
083323-C	GUIDE
084313-A	ALUMINUM STOREFRONT SYSTEM
092116-S	ABUSE- AND MOLD-RESISTANT GYPSUM BOARD, 5/8" THICKNESS UNO
092400-A	STUCCO, MATCH EXISTING

GLAZING LEGEND

HATCH	GL-X	DESCRIPTION
	GL-1	1" INSULATED GLAZING. COLOR: CLEAR
	GL-2	1" INSULATED SPANDREL GLAZING. COLOR: GRAY
	GL-3	1/4" INTERIOR GLAZING. COLOR: CLEAR

12 6 0 12
SCALE OF INCHES
1 1/2" = 1'-0"

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale		AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: DOOR SCHEDULES, AND DETAILS
Drawing Number: A8.1

Sheet 29 of 68

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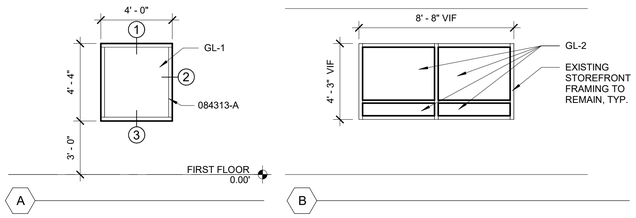
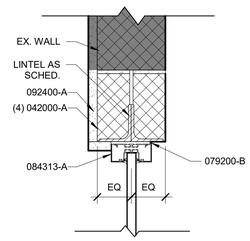
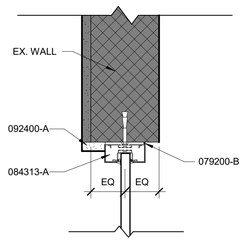
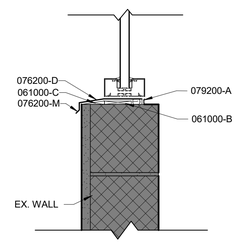




1 A8.2 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



2 A8.2 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



3 A8.2 WINDOW SILL DETAIL
1 1/2" = 1'-0"

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

042000-A	CONCRETE MASONRY UNIT, SIZE AS INDICATED
061000-B	BLOCKING
061000-C	SHIM
076200-D	METAL FLASHING
076200-M	DRIP EDGE
079200-A	JOINT SEALANT AND BACKER ROD
079200-B	JOINT SEALANT
084313-A	ALUMINUM STOREFRONT SYSTEM
092400-A	STUCCO, MATCH EXISTING

GLAZING LEGEND

HATCH	GL-X	DESCRIPTION
	GL-1	1" INSULATED GLAZING. COLOR: CLEAR
	GL-2	1" INSULATED SPANDREL GLAZING. COLOR: GRAY
	GL-3	1/4" INTERIOR GLAZING. COLOR: CLEAR

12 6 0 12
SCALE OF INCHES
1 1/2" = 1'-0"

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF
RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale		AM	Checked
Date	02/19/2026	LA	Approved

Drawing Title: WINDOW SCHEDULES, AND DETAILS

Drawing Number: A8.2

Sheet 30 of 68

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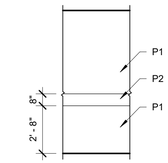
11/7/2025 9:13:20 AM

PAINT SCHEDULE	
ITEM	MFR/COLOR
P1	SHERWIN WILLIAMS - SW 7104 COTTON WHITE
P2	SHERWIN WILLIAMS - SW 7607 SANTORINI BLUE
NOTES: ALL PAINT TO BE P1 UNLESS NOTED OTHERWISE	



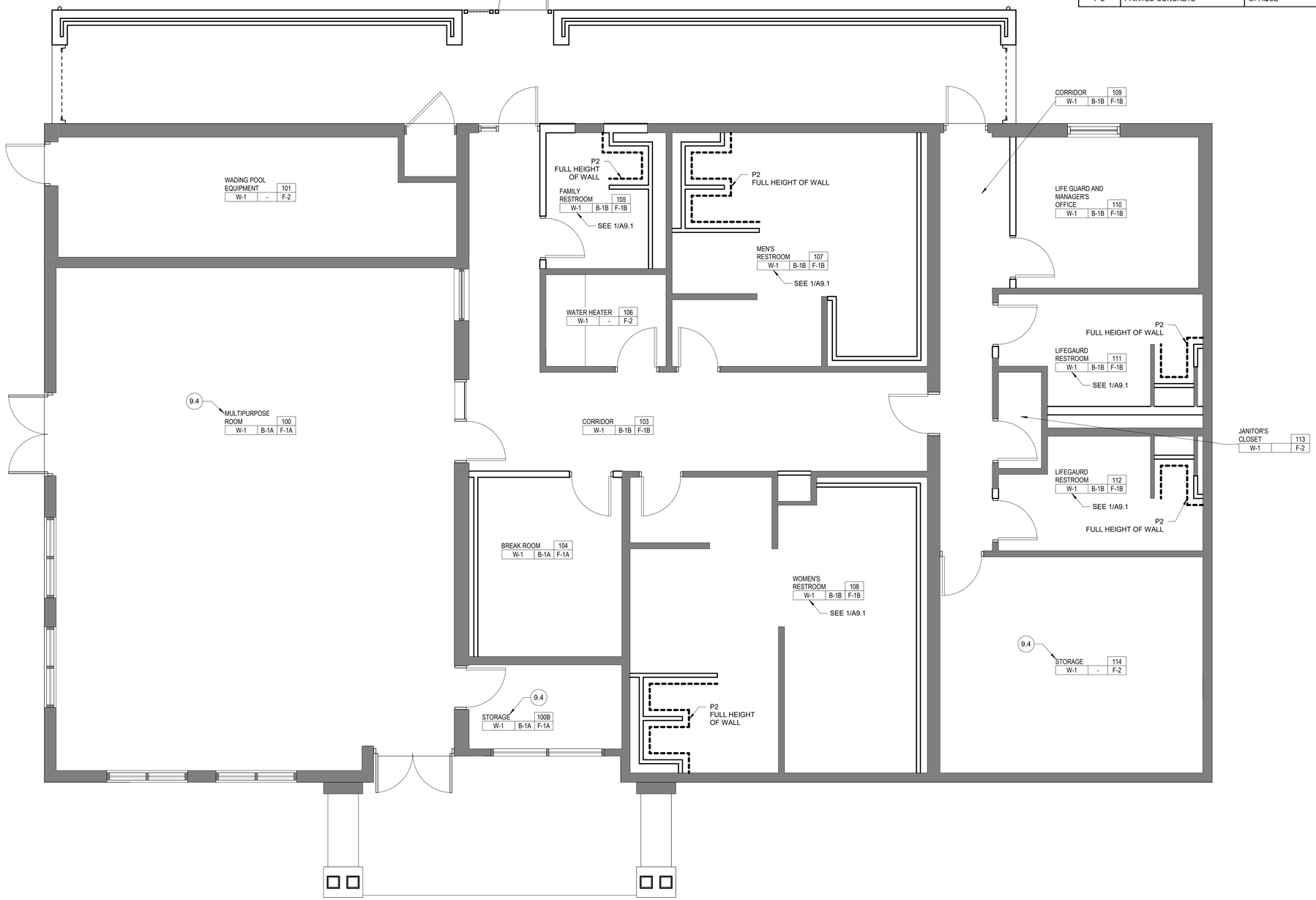
1 A9.1 RESTROOM PAINT PATTERN
1/4" = 1'-0"

INTERIOR FINISH SCHEDULE

ROOM NAME ### — ROOM NUMBER
WALL | BASE | FL.
ALT*
* = ALTERNATE, IF APPLICABLE

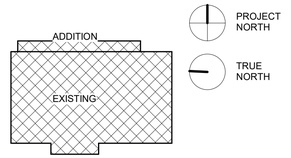
FINISH TYPES

ITEM	MATERIAL DESCRIPTION	MFR/STYLE/COLOR	SECTION
WALL FINISH			
W-1	PAINTED WALLS	TENEMC - SEE SPECIFICATION FOR ADDITIONAL INFORMATION	099600
NOTES: SEE ELEVATION DETAIL FOR COLOR & PATTERN.			
BASE FINISH			
B-1A	INTEGRAL EPOXY BASE - ACOUSTIC	STONEHARD - STONRES; COLOR: MATCH FLOOR	096700
B-1B	INTEGRAL SANITARY EPOXY BASE	STONEHARD - STONBLEND; COLOR: MATCH FLOOR	096700
FLOOR FINISH			
F-1A	POURED EPOXY - ACOUSTIC	STONEHARD - STONRES; COLOR: MFG FULL RANGE	096700
F-1B	POURED EPOXY	STONEHARD - STONBLEND; COLOR: MFG FULL RANGE	096700
F-2	PAINTED CONCRETE	OPAQUE	099123



2 A9.1 FIRST FLOOR FINISH PLAN
1/4" = 1'-0"

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

CONSTRUCTION NOTES

NOTE #	DESCRIPTION
9.4	PAINT EXISTING CONCRETE CEILING STRUCTURE.

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	AA	Drawn
Scale	As indicated	AM	Checked
Date	02/19/2026	LA	Approved
Drawing Title: FINISH PLAN		Drawing Number: A9.1	
Sheet	31	68	Of

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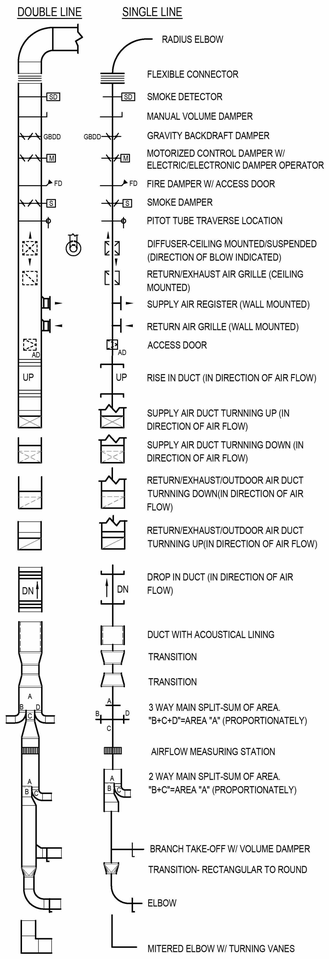
11/7/2025 9:13:18 AM

LEGEND



HVAC LEGEND & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
	A/P	ACCESS PANEL
2" CHS	CHS	CHILLED WATER SUPPLY
2" CHR	CHR	CHILLED WATER RETURN
2" CD	CD	CONDENSATE DRAIN
2" HS	HS	HEATING HOT WATER SUPPLY
2" HR	HR	HEATING HOT WATER RETURN
2" R	R	REFRIGERANT
2"GCS	GCS	GLYCOL CHILLED SUPPLY
2"GCR	GCR	GLYCOL CHILLED RETURN
		PIPE TURNING UP
		PIPE TURNING DOWN
		SHUT-OFF VALVE
		ISOLATION VALVE IN VERTICAL
	BV	BALANCING VALVE
	CV	CHECK VALVE
		AUTOMATIC CONTROL VALVE- 2 WAY
		AUTOMATIC CONTROL VALVE- 3 WAY
	PRV	PRESSURE REDUCING VALVE
		STRAINER
		THERMOMETER
		PRESSURE GAUGE
	FD	FLOOR DRAIN
T		THERMOSTAT/TEMPERATURE SENSOR
101		DRAWING NOTE NUMBER
1 / 100		AIR DISTRIBUTION DEVICE SCHEDULE
		AIRFLOW CFM

HVAC ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AHU	AIR HANDLING UNIT
B	BOILER
BFP	BACK FLOW PREVETER
BTUH	BRITISH THERMAL UNIT PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CONC.	CONCRETE
CWP	CHILLED WATER PUMP
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROL
DHU	DEHUMIDIFIRE UNIT
DIA, Ø	DIAMETER
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE/ENTERING
EF	EXHAUST FAN
ELEC	ELECTRICAL
EWT	ENTERING WATER TEMPERATURE
F	FAHRENHEIT
FPM	FEET PER MINUTE
GA	GAUGE
GAL	GALLONS
GBDD	GRAVITY BACKDRAFT DAMPER
GPH	GALLONS PER HOUR
GCS	GLYCOL CHILLED SUPPLY
GCR	GLYCOL CHILLED RETURN
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HWP	HEATING WATER CIRCULATING PUMP
HZ	FREQUENCY HERTZ
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTUH
MIN.	MINIMUM
OA	OUTDOOR AIR
OAD	OUTDOOR AIR DUCT
PD	PRESSURE DROP
PH, Ø	PHASE (ELECTRICAL)
PSI	POUNDS PER SQUARE INCH
PWCS	POOL WATER HEATING CONDENSER SUPPLY
PWCR	POOL WATER HEATING CONDENSER RETURN
PSIG	PSI GAUGE
RA	RETURN AIR
RAD	RETURN AIR DUCT
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAD	SUPPLY AIR DUCT
SP	STATIC PRESSURE
TEMP	TEMPERATURE
TS	TEMPERATURE SENSOR
TYP.	TYPICAL
V	VOLTS OR VENT
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
WB	WET BULB

STARTUP REQUIREMENTS:

1. ENSURE THAT THE SPLIT SYSTEMS ARE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS. OBTAIN THE SERVICES OF A FACTORY AUTHORIZED REPRESENTATIVE.
2. OBTAIN THE SERVICES OF A NATIONALLY RECOGNIZED TESTING AND BALANCING AGENCY, WHICH IS CERTIFIED BY EITHER THE ASSOCIATED AIR BALANCING COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL TESTING BUREAU (NEBB) TO BALANCE ALL EQUIPMENT AND AIR DEVICES TO THE AIR FLOWS LISTED IN THE SCHEDULES AND ON THE FLOOR PLANS.
3. OBTAIN THE SERVICES OF A FACTORY AUTHORIZED REPRESENTATIVE TO START-UP ALL EQUIPMENT AND TO ENSURE IT IS OPERATING PER THE MANUFACTURER'S INTENT AND ACCORDING TO THE SEQUENCES OF OPERATIONS.
4. PROVIDE PROVISIONS TO INTERLOCK ALL EQUIPMENT WITH A BACNET INTERFACE FOR INTEGRATION INTO A FUTURE BUILDING AUTOMATION SYSTEM.

HVAC GENERAL NOTES:

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST APPLICABLE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL ENERGY CONSERVATION CODE WITH ASHRAE 90.1-2013, NFPA, UNDERWRITERS LABORATORIES AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
2. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND PAY ALL FEES RELATIVE TO THE INSTALLATION OF HIS WORK.
3. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
4. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH ELECTRICAL CONTRACTOR FOR EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS.
5. ALL REQUIRED CONTROL POWER, SUCH AS CIRCUIT BREAKER, CONDUIT AND CONDUCTORS NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL CONTROL WORK. WIRING IN HVAC PLENUM SPACES SHALL BE INSTALLED ACCORDING TO CODE REQUIREMENTS.
6. UNLESS NOTED OTHERWISE, TRANSFORMERS, CONTROL POWER, AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
7. ALL FANS SUPPLYING MORE THAN 2000 CFM OF AIR TO ANY SPACE AND ALL RECIRCULATING FAN SYSTEMS SERVING AREAS OF EGRESS SHALL BE INSTALLED WITH SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTWORK. THE SMOKE DETECTOR SHALL BE WIRED BY HVAC CONTROL/MECHANICAL CONTRACTOR TO STOP THE FAN UPON DETECTION OF SMOKE, AND SIGNAL THE BUILDING FIRE ALARM CONTROL PANEL (IF BUILDING IS SO EQUIPPED). SMOKE DETECTOR TROUBLE CONDITIONS SHALL BE INDICATED VISUALLY OR AUDIBLY IN A NORMALLY OCCUPIED AREA AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE. THE SMOKE DETECTOR SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR, MOUNTED IN THE DUCT BY THE MECHANICAL CONTRACTOR, AND WIRED TO FIRE ALARM SYSTEM BY THE ELECTRICAL CONTRACTOR.
8. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
9. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS AFTER ACCEPTANCE BY OWNER.
10. ALL HVAC COMPRESSORS SHALL HAVE 5-YEAR MANUFACTURER'S WARRANTY.
11. AIR DISTRIBUTION DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA PRESSURE DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS AND SEAMS IN ALL SHEET METAL DUCTWORK SHALL BE SEALED WITH LOW VOC DUCT SEALER. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS.
16. SHEET METAL DUCTWORK SHOWN AS BEING INTERNALLY LINED SHALL BE LINED WITH LOW VOC, FIBER FREE, ELASTOMERIC DUCTLINER (MINIMUM R VALUE = 6 OR AS REQUIRED BY APPLICABLE ENERGY CODE), ARMACELL AP ARMAFLEX FS SA/SPIRALFLEX OR EQUAL. DUCT LINER WHERE INDICATED ON THE DRAWINGS AND A MINIMUM OF 10 FEET UPSTREAM AND DOWNSTREAM OF A FAN INLET OR OUTLET, UNLESS OTHERWISE INDICATED. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS. DO NOT INSTALL INSULATION ON DUCTWORK THAT IS INTERNALLY LINED
17. FLEXIBLE DUCTWORK SHALL BE THERMAFLEX M-KE (U.L. 181 LISTED, CLASS 1 FLEXIBLE AIR DUCT) OR EQUAL. PROVIDE THERMAFLEX M-KE R-8 (R VALUE - 8.0 MINIMUM OR AS REQUIRED BY LOCAL ENERGY CODE) IN CONCEALED SPACES AS INDICATED. AIR CONNECTORS ARE NOT ACCEPTABLE. SIZE TO MATCH DEVICE NECK, PROVIDE ROUND GALVANIZED STEEL DUCT RUNOUTS TO MAINTAIN A MAXIMUM FLEXIBLE DUCT LENGTH OF 4'-0". FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED.
18. ALL DUCTWORK AND PIPING SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS.
19. PIPING AT PUMPS AND EQUIPMENT SHALL BE SUPPORTED SO THAT NO PIPING OR ACCESSORY LOAD IS CARRIED BY THE PUMP OR EQUIPMENT. VIBRATION ISOLATION SHALL BE PROVIDED FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE.
20. ROUND DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH SPIN-IN FITTINGS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK.
21. PORTIONS OF DUCTWORK VISIBLE THROUGH AIR DISTRIBUTION DEVICES IN FINISHED AREAS AS WELL AS DUCTWORK IN OPEN CEILINGS SHALL BE PAINTED FLAT BLACK.
22. ALL AIR CONDITIONING CONDENSATE DRAIN LINES FROM EACH COOLING UNIT SHALL BE PIPED FULL SIZE OF THE UNIT DRAIN OUTLET, WITH "P" TRAP, AND ROUTED TO NEAREST DRAIN OR TO THE OUTSIDE ON GRADE. CONDENSATE PIPING LOCATED IN CEILING RETURN AIR PLENUM SHALL BE COPPER TUBE TYPE "M" AND SOLDER FITTINGS. THE HORIZONTAL COPPER PIPING SHALL BE APPLIED WITH 1/2" THICK ELASTOMERIC PIPE INSULATION.
23. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED IN ACCORDANCE WITH AABC OR NEBB STANDARDS, TO DELIVER THE AIR AND WATER FLOW QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORTS TO ENGINEER FOR APPROVAL. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR INSULATION IS APPLIED.
24. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
25. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM. ACCESS PANELS IN CEILING AND WALLS SHALL BE PROVIDED WHERE SHOWN ON THE DRAWINGS OR NECESSARY TO ACCESS DAMPERS, VALVES, CLEANOUTS, ETC. COORDINATE EXACT LOCATION OR ALL ACCESS PANELS WITH THE ARCHITECT DURING THE SHOP DRAWING PROCESS.
26. MOUNT THE TOP OF OPERABLE PARTS OF THERMOSTATS AT FULLY BELOW 4'-0" ABOVE FINISHED FLOOR IN COMPLIANCE WITH ADA REQUIREMENTS. PROVIDE CLEAR LOCKING COVER ASSEMBLIES FOR ALL PUBLIC AREA THERMOSTATS.
27. LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH LIGHTS, CEILING GRID, ETC. AND ARCHITECTURAL REFLECTED CEILING PLAN.
28. CONCEAL ALL THE PIPING AND AIR DISTRIBUTION DUCTWORK ABOVE CEILING, INTERIOR PARTITION, OR IN THE CHASES EXCEPT MECHANICAL ROOM. DO NOT RUN ANY PIPING OR DUCT IN EXTERIOR WALL.
29. HVAC CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONTRACTORS BEFORE INSTALLATION OF HIS WORK IN CEILING SPACES AND OTHER AREAS WHERE CONFLICTION MAY OCCUR.
30. ALL DUCTWORKS SHOWN ARE DIAGRAMMATIC. PROVIDE ALL MATERIALS AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE. THE MECHANICAL CONTRACTOR SHALL FABRICATE DUCTWORK BASED ON FIELD REQUIREMENTS IN ACCORDANCE WITH THE SMACNA DUCT CONSTRUCTION STANDARDS. NO ADDITIONAL COST WILL BE ALLOWED FOR THESE OFFSET AND TRANSITION FITTINGS THAT ARE REQUIRED FOR A COMPLETE WORKING SYSTEM. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT.
31. ALL NEW MATERIALS EXPOSED WITHIN PLENUMS SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.
32. ALL ROOFTOP MOUNTED EQUIPMENT SHALL BE INSTALLED LEVEL ON, AND ANCHORED TO, MINIMUM 14" HIGH INSULATED ROOF CURBS, UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL COORDINATE ROOF SLOPE AND ACTUAL CURB HEIGHTS WITH ARCHITECTURAL DRAWINGS. ALL REFERENCES TO ROOF HEIGHTS REFER TO HEIGHTS ABOVE FINISHED ROOF SURFACE.
33. ALL MECHANICAL EQUIPMENT SHALL BE LABELED WITH BAKELITE NAMEPLATE WITH 3/8" HEIGHT WHITE LETTERS ON A BLACK BACKGROUND, NAMEPLATE SHALL SHOW EQUIPMENT TAG USED ON THESE DRAWINGS.
34. IDENTIFICATION: COMPLY WITH ANSI A 13.1 FOR LETTERING SIZE, COLOR FIELD, COLORS, SIZES, LEGEND LETTERS, DIRECTIONS AND VIEWING ANGLES. PROVIDE IDENTIFICATION MATERIALS AS DESCRIBED BELOW:
    - PIPING - SNAP-ON TYPE PLASTIC/ENAMEL PAINT STENCILS.
    - DUCTWORK - PLASTIC STICK-ON TYPE / /ENAMEL PAINT STENCILS.
    - VALVE TAGS - 1-1/2" DIAMETER BRASS TYPE WITH BRASS CHAIN. PROVIDE A FRAMED AND LAMINATED VALVE CHART MOUNTED IN BASEMENT MECHANICAL ROOM.
    - CEILING TAGS - LAMINATED PLASTIC ADHESIVE BACK, ENGRAVED BLACK LETTERS ON WHITE BACKGROUND, MINIMUM 0.5" WIDE AND LENGTH AS REQUIRED 0.375" HIGH LETTERS FOR NAME OF CONCEALED DEVICE AND NUMBER.
    - EQUIPMENT - ENGRAVED STOCK MELAMINE PLASTIC LAMINATE 2-1/2" - 4" MINIMUM TO 4-1/2" X 6" FOR LARGER EQUIPMENT. BLACK BACKGROUND WITH WHITE LETTERS.
    - GAS PIPING: APPLY YELLOW PAINT TO ALL GAS DISTRIBUTION PIPING, PRESSURE REGULATORS, AND SPECIALTY VALVES.

KEY PLAN:

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale		BE	Checked
Date	02/19/2026	SM	Approved
Drawing Title	MECHANICAL LEGEND, ABBREVIATION AND GENERAL NOTES	Drawing Number	M001
Sheet	32	68	Of

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Project Name: Patterson Park Pool House Renovation	Building Outdoor Air: 1,215 CFM
Date: 07/25/2025	Building Exhaust Air: 1,140 CFM
Unit Designation: HP-1, HP-2, and ERV-1	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Exhaust Air				P	Q
Room Number	Add Rows / Description / Delete Row	Area (ft²) (Az)	Area Outdoor Air Rate per IMC Table 403.3 (Ra)	Area Outdoor Air (RaAz)	Occupant Load Rate per IMC Table 403.3 (People/ 1000 ft2)	Occupancy C x Pz/1000 (Pz)	Occupant Outdoor Air Rate per IMC Table 403.3 (Rp)	Occupant Outdoor Air (RpPz)	Breathing Zone Outdoor Air (Vbz = RpPz + RaAz)	Zone Air Distribution Effectiveness (Ez)	Zone Calculated Outdoor Air (Voz = Vbz / Ez)	Zone Design Outdoor Air (Voz = Vbz / Ez)	Outdoor Air Provided (CFM)	Supply Air Design (Vpz)	Exhaust Airflow CFM/FT²	Plumbing Fixtures, Exhaust Airflow	Min. Exhaust Airflow by Code, CFM	Design Exhaust Airflow, CFM	Design Return Airflow, CFM	Air Balance CFM
AHU-1 and HP-1																				
100	Multipurpose Room	1,155	0.06	69	0	36	5	180	249	1	249	250	260	2,600	0	0	0	0	2,700	250
100B	Storage	74	0.12	9	0	0	0	0	9	1	9	10	0	0	0.12	0	9	30	0	-20
103	Corridor	368	0.06	22	0	0	0	0	22	1	22	30	20	200	0	0	0	0	0	30
104	Breakroom	151	0.06	9	0	0	5	0	9	1	9	10	20	200	0	0	0	0	0	10
HP-2 and ERV-1																				
101	Wading Pool Equipment	264	0.12	32	0	0	0	0	32	1	32	240	240	0	0	0	0	240	0	0
101A	Chlorine Tank	13	0	0	0	0	0	0	0	1	0	40	40	0	0	0	0	40	0	0
105	Family Restroom	79	0	0	0	0	0	0	0	1	0	0	0	0	0	70	70	70	0	-70
106	Water Heater	64	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	20	0	-20
107	Men's Restroom	308	0	0	0	0	0	0	0	1	0	260	260	260	0	190	190	290	0	-30
108	Women's Restroom	458	0	0	0	0	0	0	0	1	0	210	210	245	0	240	240	240	0	-30
109	Corridor	143	0.06	9	0	0	0	0	9	1	9	95	95	230	0	0	0	0	0	95
110	Life Guard & Manager's Office	161	0.06	10	5	1	5	5	15	1	15	15	30	245	0	0	0	0	0	30
111	Life Guard Restroom	113	0	0	0	0	0	0	0	1	0	0	0	0	0	70	70	70	0	-70
112	Life Guard Restroom	116	0	0	0	0	0	0	0	1	0	0	0	0	0	70	70	70	0	-70
113	Janitor's Closet	24	0	0	0	0	0	0	0	1	0	0	0	0	24	0	24	30	0	-30
114	Storage	333	0.12	40	0	0	0	0	40	1	40	40	40	40	0	0	0	40	0	0
Totals		3,824		200		37		185	385		385	1,200	1,215	4,020		640	673	**1,140**	**0**	75

Total Required Outdoor Air
1200 CFM

Percentage of Outdoor Air
15%

Method
IMC Chart

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KEY PLAN:

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No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale		BE	Checked
Date	02/19/2026	SM	Approved

Drawing Title: MECHANICAL CALCULATIONS

Drawing Number: M002

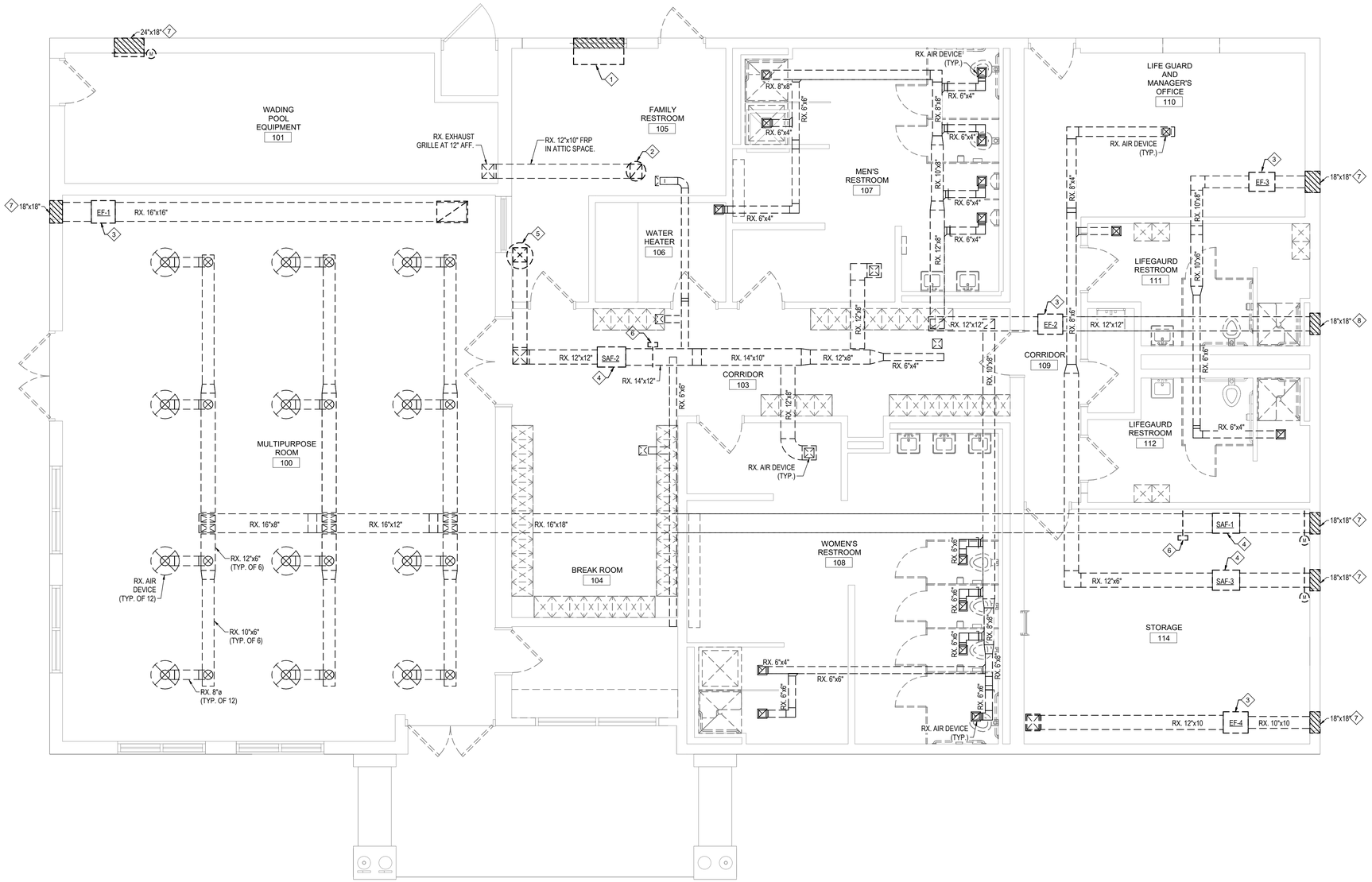
Sheet 33 of 68

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, DEMOLISH ALL EXISTING FANS, PACKAGED TERMINAL AIR CONDITIONERS, LOUVERS, AIR INTAKE HOODS, DUCTWORK, AIR DEVICES, AND ALL OTHER MISCELLANEOUS APPURTENANCES.
2. PATCH ALL HOLES IN WALLS AND ROOF TO MATCH EXISTING.

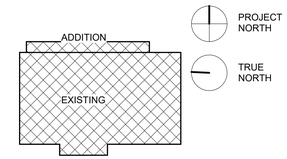
DRAWING NOTES: ◇#

1. REMOVE EXISTING PACKAGED TERMINAL-AIR CONDITIONING UNIT. PATCH WALL TO MATCH EXISTING.
2. REMOVE EXISTING ROOF MOUNTED EXHAUST FAN AND ASSOCIATED CURB. PATCH ROOF TO MATCH EXISTING.
3. REMOVE EXISTING INLINE EXHAUST FAN.
4. REMOVE EXISTING INLINE SUPPLY FAN.
5. REMOVE EXISTING ROOF MOUNTED EXHAUST AIR INTAKE HOOD.
6. REMOVE EXISTING ELECTRIC DUCT HEATING COIL.
7. REMOVE EXISTING LOUVER.
8. EXISTING LOUVER.



1 MD101 FIRST FLOOR PLAN - MECHANICAL DEMOLITION
1/4" = 1'-0"

KEY PLAN:



4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Job No.	#23042	GK	Drawn
Scale	1/4" = 1'-0"	BE	Checked
Date	02/19/2026	SM	Approved
Drawing Title	FIRST FLOOR PLAN - MECHANICAL DEMOLITION	Drawing Number	MD101
Sheet	34	68	Of

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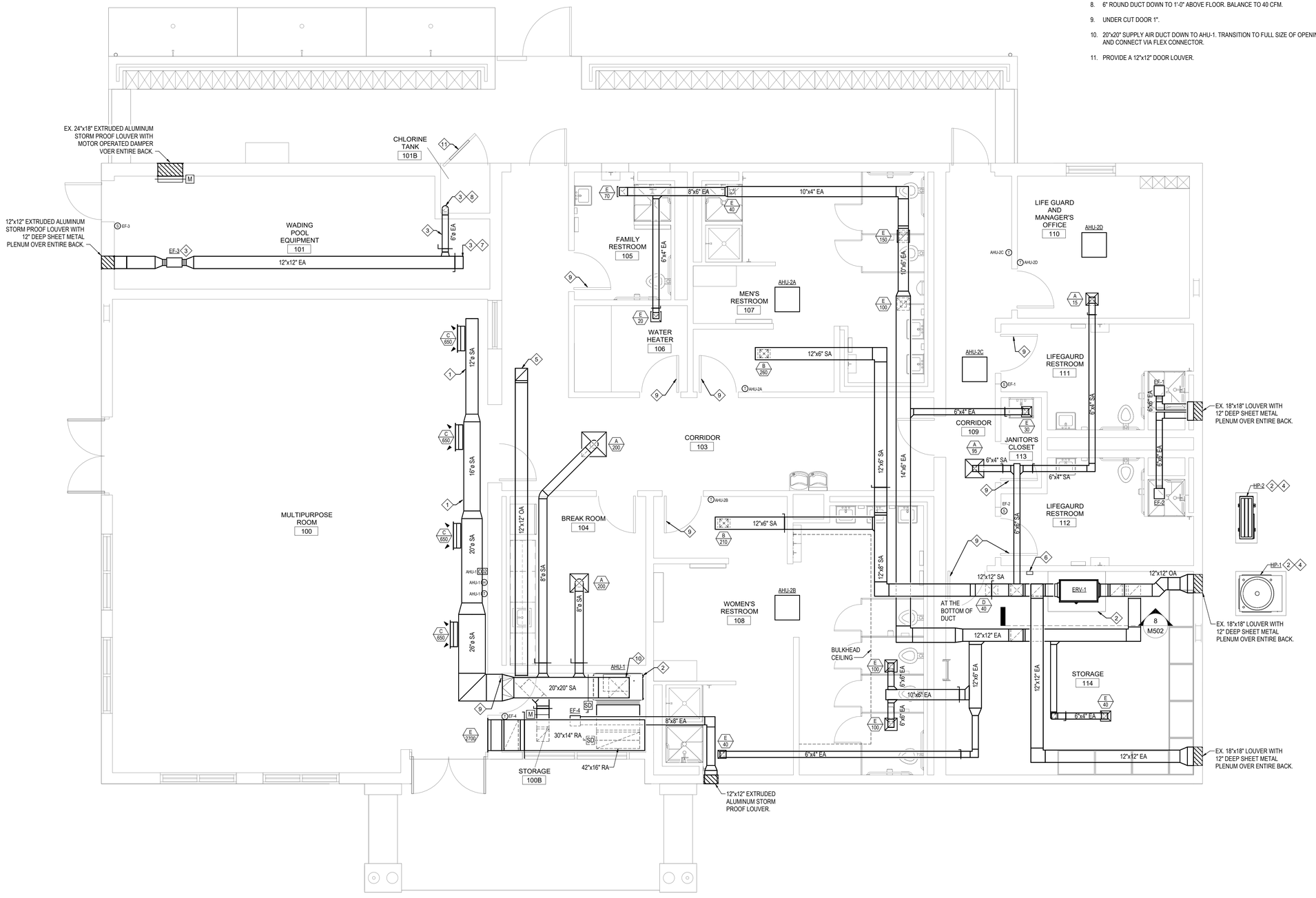
GENERAL NOTES:

1. EXTEND REFRIGERANT PIPING FROM OUTDOOR UNITS TO INDOOR UNITS. REFRIGERANT PIPING SHALL BE SIZED, CHARGED, INSULATED AND SUPPORTED PER THE MANUFACTURER'S REQUIREMENTS.

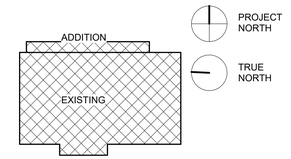
DRAWING NOTES: ◇#

1. ALL EXPOSED DUCTWORK SHALL BE DOUBLE WALL ROUND WITH INTEGRAL INSULATION, PAINTED THE COLOR DIRECTED BY THE ARCHITECT.
2. MOUNT UNIT ON 4" HIGH CONCRETE HOUSEKEEPING PAD EXTENDING 4" FROM THE UNIT IN ALL DIRECTIONS.
3. ALL DUCTWORK CONNECTED TO EF-3 SHALL BE FIBERGLASS CONSTRUCTION.
4. PROVIDE A MIN. 12" HEIGHT EQUIPMENT MOUNTING STAND WITH MECHANICALLY FASTENED BASES. MODEL MIRO INDUSTRIES 8HD OR APPROVED.
5. 12"x12" OUTDOOR AIR DUCT UP THROUGH EXISTING ROOF OPENING TO LOUVERED PENTHOUSE.
6. MASTER CONTROLLER FOR HP-2 INTERLOCK WITH ERV-1.
7. 12"X12" OPEN ENDED DUCT. BALANCE TO 240 CFM.
8. 6" ROUND DUCT DOWN TO 1'-0" ABOVE FLOOR. BALANCE TO 40 CFM.
9. UNDER CUT DOOR 1".
10. 20"x20" SUPPLY AIR DUCT DOWN TO AHU-1. TRANSITION TO FULL SIZE OF OPENING AND CONNECT VIA FLEX CONNECTOR.
11. PROVIDE A 12"x12" DOOR LOUVER.



1 M101 FIRST FLOOR PLAN - MECHANICAL
1/4" = 1'-0"

KEY PLAN:



4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale	1/4" = 1'-0"	BE	Checked
Date	02/19/2026	SM	Approved
Drawing Title	FIRST FLOOR PLAN - MECHANICAL	Drawing Number	M101
Sheet	35	68	Of

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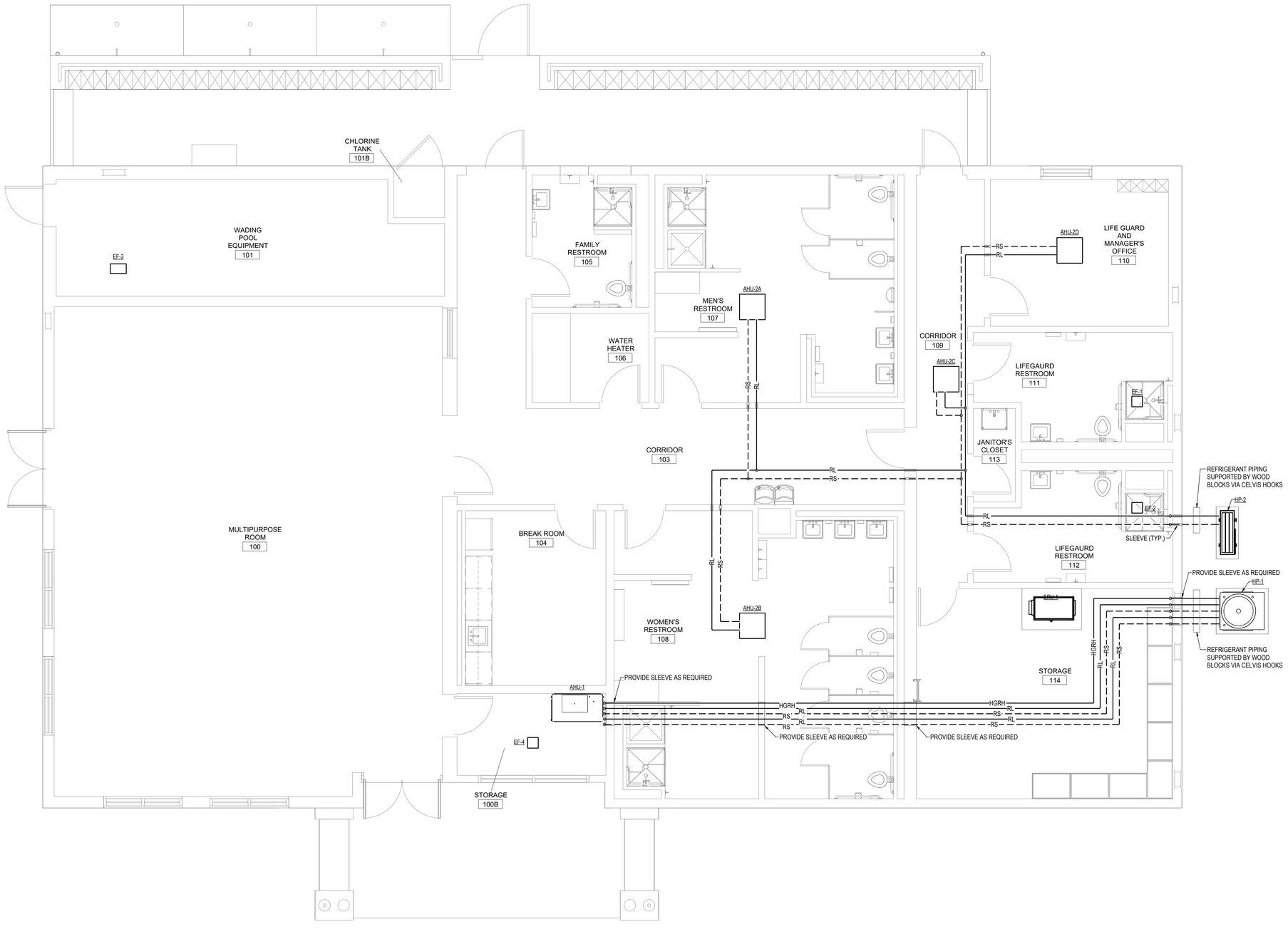
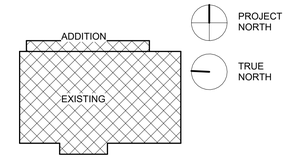
GENERAL NOTES:

1. REFRIGERANT PIPING SHALL BE SIZED, ROUTED, AND INSULATED AS REQUIRED BY THE EQUIPMENT MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.
2. REFRIGERANT PIPING SHALL BE CONCEALED IN WALLS AND ABOVE CEILING SPACES TO THE GREATEST EXTENT POSSIBLE.



1 M102 FIRST FLOOR PLAN - MECHANICAL PIPING
1/4" = 1'-0"

KEY PLAN:



4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale	1/4" = 1'-0"	BE	Checked
Date	02/19/2026	SM	Approved

Drawing Title: FIRST FLOOR PLAN - MECHANICAL PIPING

Drawing Number: M102

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Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation-MEP-2024.rvt
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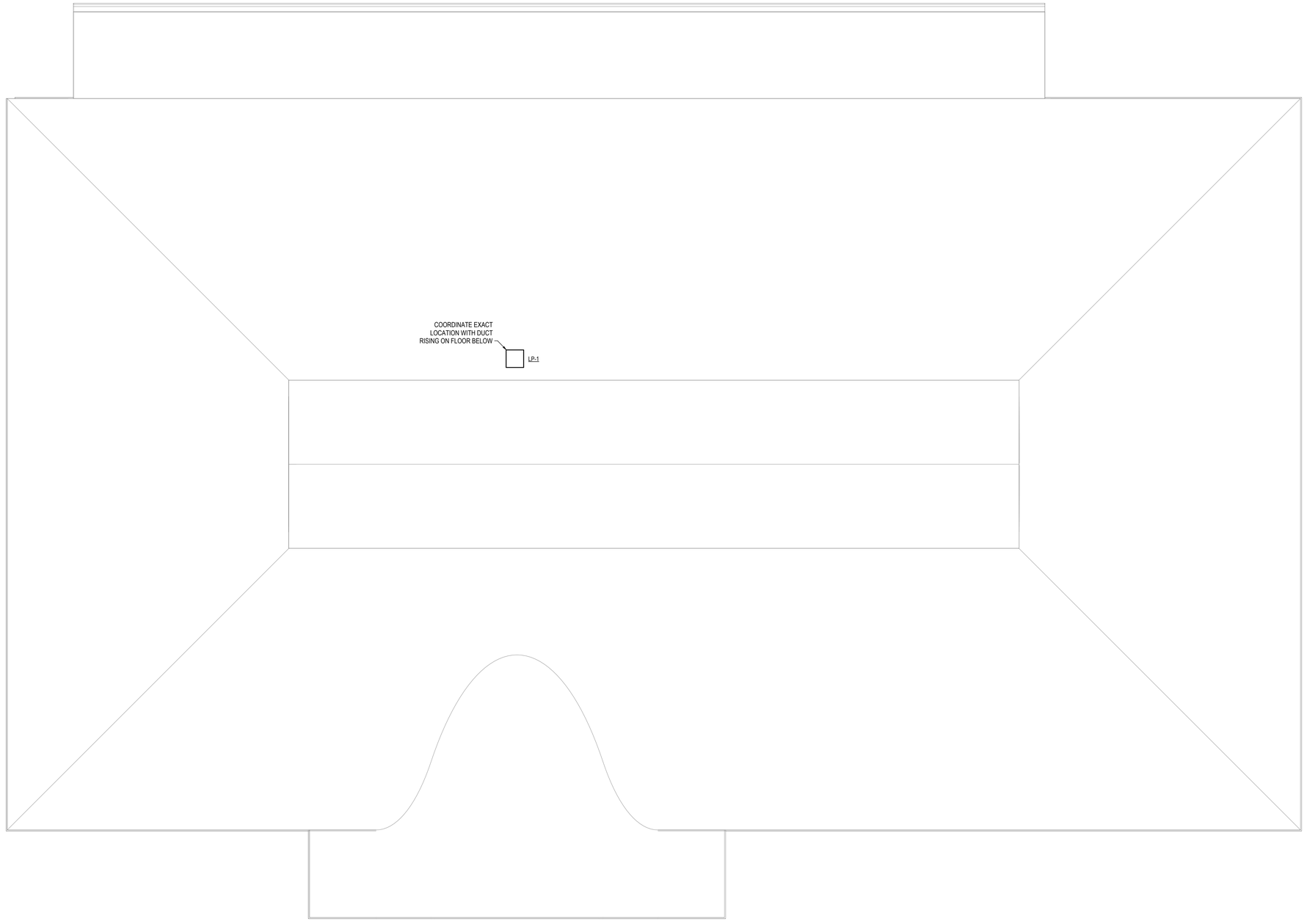
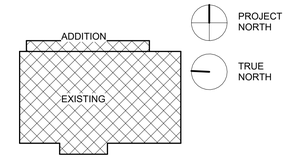


1 M103 ROOF PLAN - HVAC
1/4" = 1'-0"

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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MSN ENGINEERING, INC.
10 SUDBROOK LN
PIKESVILLE, MARYLAND 21208, 410-486-4692

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Drawing Title: ROOF PLAN - HVAC

Drawing Number: M103

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Autodesk Docs://23042 - Patterson Park Pool House Renovation/Patterson Park Pool House Renovation-MEP-2024.rvt
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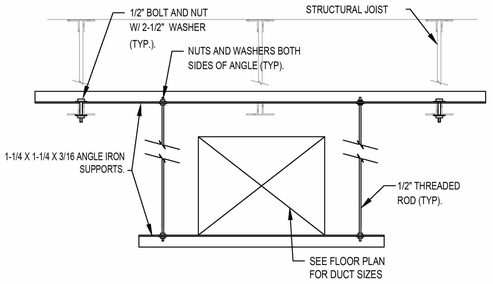
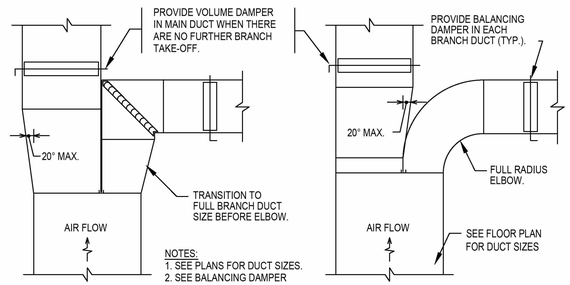


1 M501

DUCT HANGER DETAIL

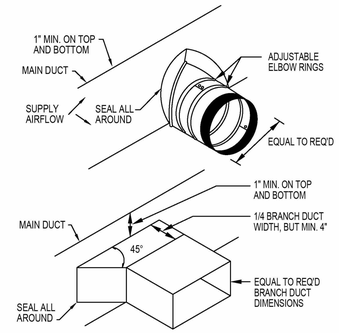
NOT TO SCALE



2 M501

DETAIL OF SUPPLY AIR DUCT NECK CONNECTIONS

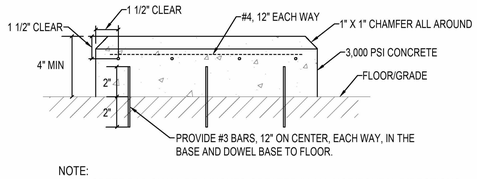
NOT TO SCALE



3 M501

TYPICAL BRANCH TAKE-OFFS

NOT TO SCALE

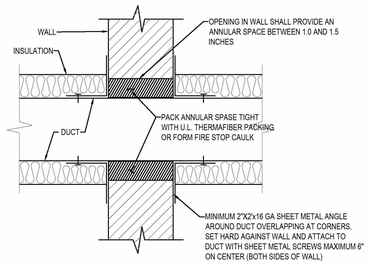


NOTE:
1. CONCRETE PAD SHALL BE 4 INCHES GREATER IN ALL HORIZONTAL DIRECTIONS THAN THE EQUIPMENT BASE PLATE.

4 M501

CONCRETE PAD DETAIL

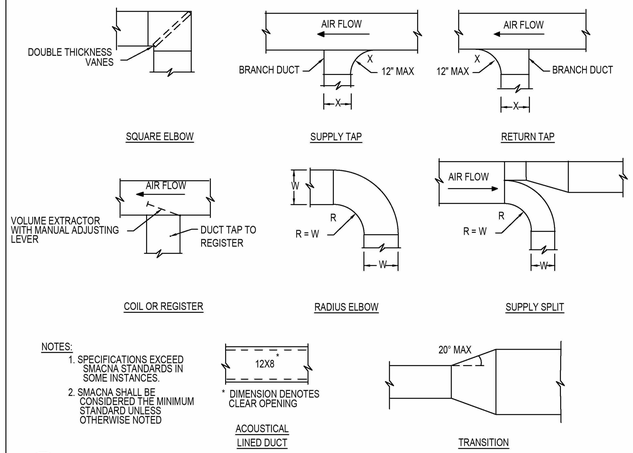
NOT TO SCALE



5 M501

DUCT PENETRATION DETAIL

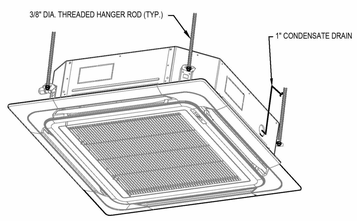
NOT TO SCALE



6 M501

DUCT CONSTRUCTION

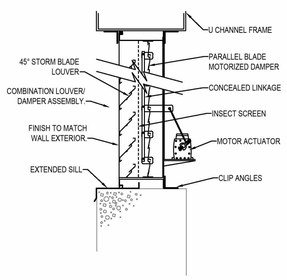
NOT TO SCALE



7 M501

CEILING CASSETTE INSTALLATION DETAIL

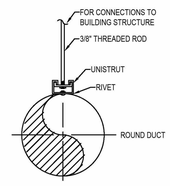
NOT TO SCALE



8 M501

LOUVER AND MOTOR OPERATED DAMPER DETAIL

NOT TO SCALE



9 M501

ROUND DUCT HANGING DETAIL

NOT TO SCALE

KEY PLAN:

BID SET

MIN ENGINEERING, INC.
10 SUDBROOK LN
PIKESVILLE, MARYLAND 21208, 410-486-4692

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Job No.	#23042	GK	Drawn
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Date	02/19/2026	SM	Approved
Drawing Title	MECHANICAL DETAILS	Drawing Number	M501
Sheet	38	68	Of

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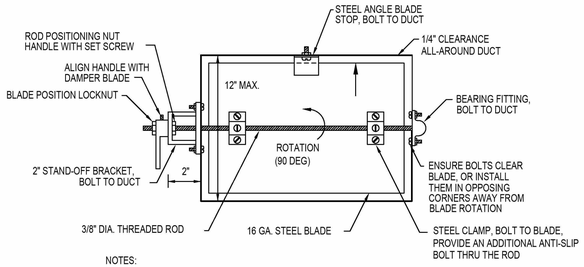
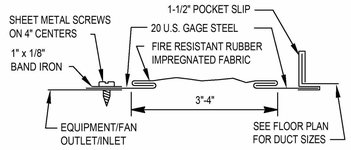


NOTES:
1. DAMPERS FOR ROUND DUCTS SHALL BE SIMILAR TO THE DAMPER SHOWN ABOVE.
2. ENSURE THAT FULL 90° DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.
3. FOR DUCT HEIGHTS MORE THAN 12", PROVIDE FACTORY-FABRICATED OPPOSED BLADE DAMPERS

1 / M502

MANUAL DAMPER DETAIL
(ADJUSTABLE SINGLE-BLADE BALANCING TYPE)

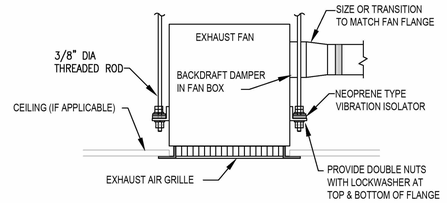
NOT TO SCALE



2 / M502

FLEXIBLE DUCT CONNECTION DETAIL

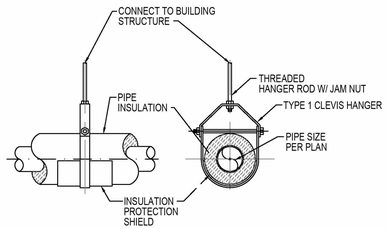
NOT TO SCALE



3 / M502

CEILING EXHAUST FAN INSTALLATION DETAIL

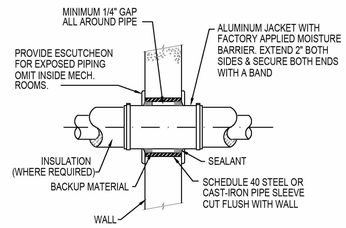
NOT TO SCALE



4 / M502

REFRIGERANT PIPING SUPPORT DETAIL

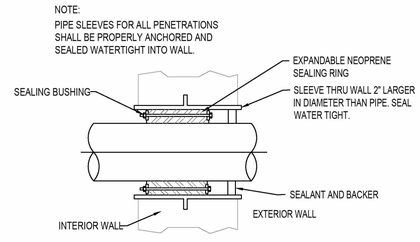
NOT TO SCALE



5 / M502

REFRIGERANT PIPING THROUGH INTERIOR WALL DETAIL

NOT TO SCALE

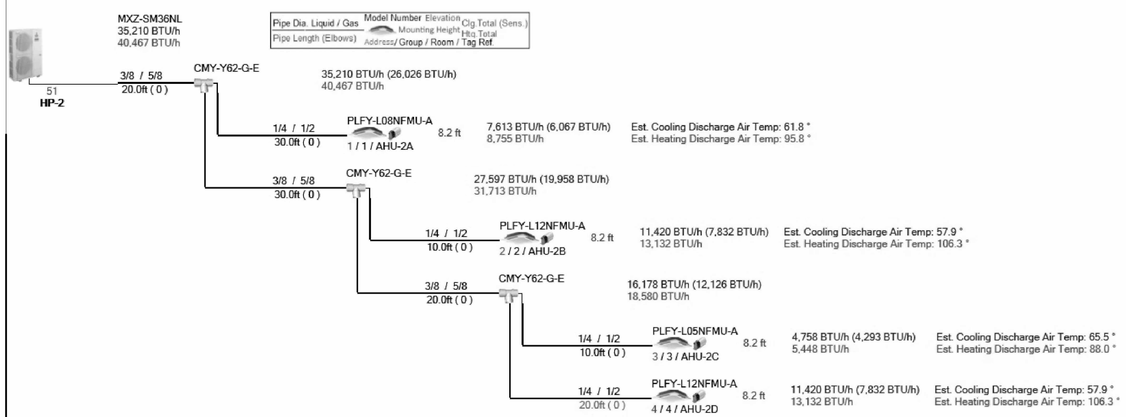


6 / M502

REFRIGERANT PIPING THROUGH EXTERIOR WALL DETAIL

NOT TO SCALE

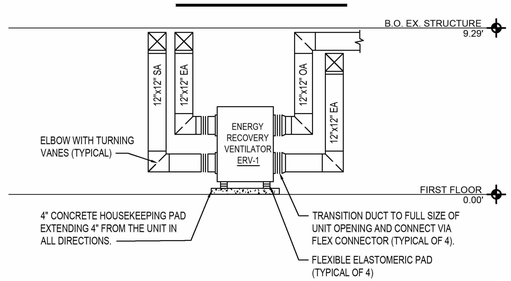
Design View Piping Diagrams



7 / M502

DUCTLESS SPLIT SYSTEM REFRIGERANT PIPING DETAIL

NOT TO SCALE



8 / M502

SECTION ENERGY RECOVERY VENTILATOR

SCALE: 1/4" = 1'-0"

KEY PLAN:

BID SET

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10 SUDBROOK LN
PIKESVILLE, MARYLAND 21208, 410-486-4692

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Drawing Title: MECHANICAL DETAILS

Drawing Number: M502

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EXHAUST FAN (EF) SCHEDULE

UNIT NO.	AREA SERVED	TYPE	DRIVE	EXH. CFM	EXT. SP INCHES W.C.	SONES	ELECTRICAL DATA						ELECTRICAL CONTRACTOR				MECHANICAL CONTRACTOR						BASIS OF DESIGN		NOTES
							FAN MOTOR WATTS	BHP	RPM	V	PH	HZ	DISCONNECT	MANUAL ON-OFF	MOTION SENSOR	STARTER H-O-A	DISCONNECT	VFD	SPEED CONTROLLER	THERMAL OVERLOAD	INTERLOCK UNIT NO.	INTERLOCK BAS	MANUFACTURER	MODEL NUMBER	
EF-1	111 LIFEGUARD RESTROOM	CEILING	DIRECT	70	0.250	0.5	15	0.01	900	120	1	60					●		●	●			GREENHECK	SP-A90	1,2,3,4
EF-2	112 LIFE GUARD RESTROOM	CEILING	DIRECT	70	0.250	0.5	15	0.01	900	120	1	60					●		●	●			GREENHECK	SP-A90	1,2,3,4
EF-3	101 WADING POOL EQUIPMENT	INLINE	DIRECT	280	0.375	-	72	-	2,750	120	1	60	●						●	●			VORTEX POWERFANS	S-600	1,2,3,5,6,7
EF-4	100B STORAGE	CEILING	DIRECT	30	0.250	0.5	12	0.01	850	120	1	60					●		●	●			GREENHECK	SP-A70	1,2,3,5,7

NOTES:
1. PROVIDE FLEXIBLE CONNECTION AT EACH DUCT CONNECTION.
2. PROVIDE HANGER SPRING NEOPRENE VIBRATION ISOLATOR KIT.
3. PROVIDE BACK DRAFT DAMPER.
4. INTERLOCK FAN WITH LIGHT SWITCH.
5. PROVIDE COOLING ONLY THERMOSTAT WITH H-O-A SWITCH.
6. FAN SHALL HAVE ALL PLASTIC CONSTRUCTION. ALL DUCTWORK CONNECTED TO FAN SHALL BE THERMOSET FRP.
7. PROVIDE EXTRUDED ALUMINUM STORM PROOF LOUVER. REFER TO DRAWINGS FOR SIZES.
8. PROVIDE ELECTRONICALLY COMMUTATED MOTOR.

DUCTED SPLIT SYSTEM HEAT PUMP UNIT (HP) SCHEDULE

INDOOR UNIT (AHU)																				OUTDOOR UNIT (HP)													
UNIT NO.	AREA SERVED	TYPE	SUPPLY AIR (CFM)	OUTDOOR AIR (CFM)	ESP (IN W.C.)	DX COOLING						HP HEATING	ELECTRICAL DATA					BASIS OF DESIGN		UNIT NO.	TON	EFFICIENCY				ELECTRICAL DATA						BASIS OF DESIGN	
						SENSIBLE (MBH)	TOTAL (MBH)	EAT		LAT		TOTAL @47°F AMB - (MBH)	V	PH	HZ	MCA	MOP	MANUFACTURER	MODEL NO.			EER	IEER	COP @47°F	COP @17°F	V	PH	HZ	MCA	MOP	MANUFACTURER	MODEL NO.
								DB (°F)	WB (°F)	DB (°F)	WB (°F)																						
AHU-1	100 MULTIPURPOSE ROOM	VERTICAL	3,000	300	0.8	71.8	97.2	80.0	67.0	58.2	56.7	90.7	208	3	60	9.00	15	TRANE	TWE090	HP-1	7.5	11.2	14.1	3.4	2.25	208	3	60	35	45	TRANE	TWA090

NOTES:
1. INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE UNIT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
2. INSTALL CONTROL AND POWER WIRING BETWEEN OUTDOOR AND INDOOR UNITS IN ACCORDANCE WITH THE UNIT MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. COOLING PERFORMANCE BASED ON OUTDOOR AIR TEMPERATURE OF 95 DEG. F. DRY BULB.
4. UNITS TO BE AHRI 340-360 RATED AND CERTIFIED TO UL 1995.
5. REFRIGERANT: R454B.
6. PROVIDE A BUILT-IN MICROPROCESSOR CONTROL SYSTEM WITH A WIRED LCD TYPE SPACE TEMPERATURE CONTROLLER.
7. PROVIDE 2" MERV 13 FILTER.
8. PROVIDE FIELD INSTALLED FULLY MODULATING HOT GAS REHEAT COIL AND PIPING FOR DEHUMIDIFICATION PURPOSES.
9. PROVIDE BACNET INTERFACE FOR FUTURE BAS CONNECTION.
10. PROVIDE CARBON DIOXIDE SENSOR WITH DEMAND CONTROL VENTILATION.
11. MOUNT INDOOR AND OUTDOOR UNITS ON 4" HIGH CONCRETE HOUSEKEEPING PADS EXTENDING THE UNIT 4" IN ALL DIRECTIONS.
12. AIR-SIDE ECONOMIZER NOT PROVIDED AS UNIT WILL ONLY OPERATE DURING TIMES WHEN FREE-COOLING WILL NOT BE AVAILABLE.

AHU: AIR HANDLING UNIT (INDOOR)
HP : HEAT PUMP UNIT (OUTDOOR)

LOUVERED PENTHOUSE SCHEDULE

UNIT NO.	TYPE	EQUIPMENT SERVED	PERFORMANCE					DIMENSIONS DIAMETER x HEIGHT (INCH)	BASIS OF DESIGN		NOTES
			AIRFLOW (CFM)	PRESSURE DROP (IN W.C.)	VELOCITY (FPM)	THROAT DIMENSIONS	THROAT AREA (SQFT)		MANUFACTURER	MODEL NUMBER	
LP-1	AHU-1	INTAKE	800	0.1	700	14" x 14"	1.36	22" x 22" x 12"	GREENHECK	WH1414	1,2,3

NOTES:
1. PROVIDE 24" FULL PERIMETER ROOF CURB TO MATCH ROOF TYPE.
2. PROVIDE BIRD AND INSECT SCREEN.
3. PROVIDE MOTOR OPERATED DAMPER IN RELIEF AIR DUCT INTERLOCKED WITH AIR HANDLING UNIT OR FAN.

DUCTLESS SPLIT TYPE HEAT PUMP SCHEDULE

INDOOR UNIT											OUTDOOR UNIT														
UNIT NO.	TYPE	CFM	CAPACITY (MBH)		ELECTRICAL					BASIS OF DESIGN MITSUBISHI MODEL NO.	UNIT NO.	NOM. TON	CAPACITY (MBH)			EFFICIENCY			ELECTRICAL					BASIS OF DESIGN MITSUBISHI MODEL NO.
			COOL	HEAT	V	PH	HZ	MCA	MOCP				COOL	HEAT (AT AMB. TEMP) 47°F	17°F	5°F	SEER	EER	HSPF	V	PH	HZ	MCA	MOCP	
AHU-2A	CEILING HUNG	230	8.0	9.0	208	1	60	0.36	15	PLFY-L08NFMU-A	HP-2	3.0	36.0	41.0	36.0	29.0	23.0	14.1	11.0	208	1	60	36	64	MXZ-SM36NL
AHU-2B	CEILING HUNG	245	12.0	13.0	208	1	60	0.36	15	PLFY-L12NFMU-A															
AHU-2C	CEILING HUNG	230	5.0	5.6	208	1	60	0.36	15	PLFY-L05NFMU-A															
AHU-2D	CEILING HUNG	245	12.0	13.0	208	1	60	0.36	15	PLFY-L12NFMU-A															

NOTES:
1. LOW-AMBIENT OPERATION PACKAGE.
2. PROVIDE REMOTE WALL MOUNTED THERMOSTAT/CONTROLLER. INTERLOCK CONTROLLER WITH ERV-1.
3. EXTEND ELECTRICAL POWER FROM OUTDOOR UNIT TO INDOOR UNIT.
4. EXTEND REFRIGERANT PIPING FROM OUTDOOR UNIT TO INDOOR UNITS. INSTALL REFRIGERANT PIPING AND OIL TRAPS IN VERTICAL IN ACCORDANCE WITH THE UNIT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
5. MAXIMUM ALLOWABLE REFRIGERANT PIPING LENGTH : 984 FT.
6. REFRIGERANT: R454B.
7. CONTROLS: STAND ALONE WITH BACNET INTERFACE FOR CONNECTION TO A FUTURE BUILDING AUTOMATION SYSTEM.

ENERGY RECOVERY VENTILATOR (ERV) SCHEDULE

UNIT NO.	UNIT LOCATION	MOUNTING	SUPPLY AIR FAN MOTOR		EXHAUST AIR FAN MOTOR		ELECTRICAL DATA					TOTAL ENERGY TRANSFER							WEIGHT LBS	BASIS OF DESIGN RENEWAIRE MODEL NO.	NOTES
			OA CFM	EXT. SP IN WG	EXHAUST CFM	EXT. SP IN WG	V	PH	HZ	MCA	MOCP	SUMMER				WINTER					
												EFFECTIVENESS %		EAT,F DB/WB	LAT,F DB/WB	EFFECTIVENESS %		EAT,F DB/WB	LAT,F DB/WB		
												SENS.	TOTAL			SENS.	TOTAL				
ERV-1	114 STORAGE	WALL	620	0.5	690	0.5	120	1	60	14.6	20	75.6	55.5	94.0/74.9	79.6/68.4	75.6	72.3	14.0/10.6	56.3/42.4	194	HE10J1N4	1,2,3,4,5

NOTES:
1. 1" THICK PLEATED AIR FILTER MERV 13 FOR OA INTAKE AND MERV 8 FOR EXHAUST AIR.
2. PROVIDE EC MOTORS.
3. FAN SPEED CONTROLLER.
4. INDOOR AIR CONDITIONS: SUMMER 75°F DB/50% RH. WINTER 70°FDB.
5. ENERGY RECOVERY VENTILATOR SHALL BE INTERLOCKED WITH AND CONTROLLED BY THE DUCTLESS SPLIT SYSTEM WALL MOUNTED CONTROLLER

AIR DEVICE SCHEDULE

UNIT NO. (CFM)	CFM RANGE	SIZE FACE (IN)	SIZE NECK (IN)	TYPE	DISCHARGE PATTERN	OPTIONS / REMARKS	MODEL NUMBER	BASIS OF DESIGN
A	0 - 90	18 X 18	6 DIA.	CSD	4-WAY	1. BORDER TYPE TO BE MATCHED WITH ARCHITECTURAL CEILING PLAN.	TMS	TITUS
	91-200	18 x 18	8 DIA.			2. OPPOSED BLADE DAMPERS TO BE PROVIDED FOR GYPSUM CEILING.		
	201 - 380	18 x 18	10 DIA.			3. PROVIDE R-6 FIBER GLASS INSULATION FOR HOUSING		
B	0 - 250	12 X 12	10 X 10	CRG	-	1. BORDER TYPE TO BE MATCHED WITH ARCHITECTURAL CEILING PLAN.	300FS	
						2. OPPOSED BLADE DAMPERS TO BE PROVIDED FOR GYPSUM CEILING.		
						3. PROVIDE R-6 FIBER GLASS INSULATION FOR HOUSING		
C	0 - 650	20 X 8	22 X 10	DUCT MOUNTED	2-WAY	1. PROVIDE AIR SCOOP.	XG-4004P	GREENHECK
						2. PAINT COLOR DIRECTED BY THE ARCHITECT		
D	0 - 250	12 X 12	10 X 10	CRG	-	1. BORDER TYPE TO BE MATCHED WITH ARCHITECTURAL CEILING PLAN.	300FS	TITUS
						2. OPPOSED BLADE DAMPERS TO BE PROVIDED FOR GYPSUM CEILING.		
						3. PROVIDE R-6 FIBER GLASS INSULATION FOR HOUSING		
E	0 - 250	12 X 12	10 X 10	CRG	-	1. PROVIDE OBD OPTION WHERE MANUAL AIR DAMPER IS NOT SHOWN ON PLAN	350FL	
	251 - 3000	24 X 48	26 X 50	WRG		2. PROVIDE ALUMINUM CONSTRUCTION FOR GRILLES LOCATED IN WET AREAS SUCH AS TOILET ROOMS, LOCKER ROOMS, AND JANITOR'S CLOSET. PROVIDE STEEL CONSTRUCTION EVERYWHERE ELSE.		

NOTES:
CSD: CEILING SUPPLY DIFFUSER
WSD: WALL SUPPLY DIFFUSER
WSR: WALL SUPPLY REGISTER
OBD: OPPOSED BLADE DAMPER
WRG: WALL RETURN GRILLE
CIG: CEILING EXHAUST GRILLE
WEG: WALL EXHAUST GRILLE
CRG: CEILING RETURN GRILLE
CAR: CONSTANT AIRFLOW REGULATOR

KEY PLAN:

BID SET

MIN ENGINEERING, INC.
10 SUDBROOK LN
PIKESVILLE, MARYLAND 21208, 410-486-4692

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Date	02/19/2026	SM	Approved

Drawing Title: MECHANICAL SCHEDULES
Drawing Number: M601
Sheet 40 68 Of

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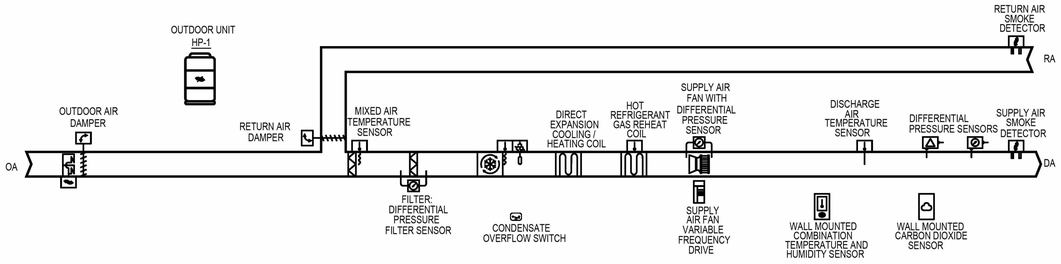
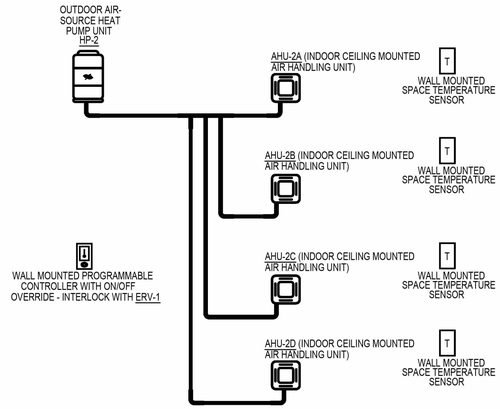


CONTROL DIAGRAM - HEAT PUMP AND DUCTED AIR HANDLING UNIT
(HP-1 AND AHU-1)
NOT TO SCALE

SEQUENCE OF OPERATIONS

1. GENERAL:
   - A. THE UNITS SHALL BE EQUIPPED WITH A BUILDING AUTOMATION SYSTEM INTERFACE FOR FUTURE INTEGRATION. ALL EQUIPMENT SHALL BE STANDALONE AND CONTROLLED VIA THE LOCAL EQUIPMENT CONTROLLER.
   - B. THE LOCAL EQUIPMENT CONTROLLER SHALL BE USED TO CONTROL ALL EQUIPMENT.
   - C. THE LOCAL EQUIPMENT CONTROLLER SHALL OPERATE A SCHEDULE IN A STANDALONE APPLICATION USING A REAL TIME CLOCK WITH A 7 DAY POWER BACKUP.
   - D. THE LOCAL EQUIPMENT CONTROLLER SHALL HAVE A BUILT-IN SCHEDULE (ASSESSABLE WITH DISPLAY)
   - E. SUPPORT WILL BE FOR AT LEAST 3 SCHEDULES WITH UP TO 10 EVENTS FOR EACH DAY OF THE WEEK.
   - F. EACH OF THE 3 SCHEDULES CAN BE ANALOG, BINARY OR MULTI-STATE.
   - G. TO MEET THE SEQUENCE OF OPERATION FOR EACH APPLICATION, THE LOCAL CONTROLLER SHALL USE LIBRARY PROGRAMS PROVIDED BY THE CONTROLLER MANUFACTURER THAT ARE EITHER FACTORY LOADED OR DOWNLOADED WITH SERVICE TOOL TO THE CONTROLLER.
2. OCCUPIED:
   - A. DURING OCCUPIED PERIODS, THE SUPPLY FAN SHALL RUN CONTINUOUSLY AND THE MIXED AIR DAMPERS SHALL OPEN TO MAINTAIN MINIMUM VENTILATION REQUIREMENTS. IN THE COOLING MODE THE DX COIL SHALL STAGE THE COMPRESSORS TO CONTROL THE ACTIVE SPACE TEMPERATURE SETPOINT. IN THE HEATING MODE TO CONTROL THE ACTIVE SPACE TEMPERATURE SETPOINT. IF THE SPACE TEMPERATURE SENSOR FAILS, THE SUPPLY FAN SHALL BE DISABLED, THE DX COOLING SHOULD BE DISABLED, THE HEAT PUMP SHALL BE DISABLED, THE OUTDOOR AIR SHOULD CLOSE, AND AN ALARM SHOULD ANNUNCIATE AT THE LOCAL EQUIPMENT CONTROLLER.
3. UNOCCUPIED:
   - A. DURING THE UNOCCUPIED PERIODS, THE SUPPLY FAN SHALL BE DISABLED, THE OUTSIDE AIR DAMPER SHALL CLOSE, THE MECHANICAL COOLING SHALL BE DISABLED, THE MECHANICAL HEATING SHALL BE DISABLED, TO CONSERVE ENERGY. WHEN THE SPACE TEMPERATURE IS ABOVE THE UNOCCUPIED COOLING SETPOINT OF 85 DEG F (ADJ.) THE SUPPLY FAN SHALL START, THE OUTDOOR DAMPER SHALL REMAIN CLOSED, AND THE MECHANICAL COOLING SHALL BE ENABLED. WHEN THE SPACE TEMPERATURE FALLS BELOW THE UNOCCUPIED COOLING SETPOINT OF 85.0 DEG. F (ADJ.) MINUS THE UNOCCUPIED DIFFERENTIAL OF 4.0 DEG. F (ADJ.) THE SUPPLY FAN SHALL STOP, THE OUTDOOR DAMPER SHALL REMAIN CLOSED, AND THE MECHANICAL COOLING SHALL BE DISABLED. WHEN THE SPACE TEMPERATURE IS BELOW THE UNOCCUPIED HEATING SETPOINT OF 60.0 DEG. F (ADJ.) THE SUPPLY FAN SHALL START, THE OUTDOOR DAMPER SHALL REMAIN CLOSED, AND THE MECHANICAL HEATING SHALL BE ENABLED. WHEN THE SPACE TEMPERATURE IS ABOVE THE UNOCCUPIED HEATING SETPOINT OF 60.0 DEG. F (ADJ.) PLUS THE UNOCCUPIED DIFFERENTIAL OF 4.0 DEG. F (ADJ.) THE SUPPLY FAN SHALL STOP, THE OUTDOOR DAMPER SHALL REMAIN CLOSED, AND THE MECHANICAL HEATING SHALL BE DISABLED.
4. OPTIMAL START:
   - A. THE LOCAL EQUIPMENT CONTROLLER SHALL MONITOR THE SCHEDULED OCCUPIED TIME, OCCUPIED SPACE SETPOINTS AND SPACE TEMPERATURE TO CALCULATE WHEN THE OPTIMAL START OCCURS.
5. OPTIMAL STOP:
   - A. THE LOCAL EQUIPMENT CONTROLLER SHALL MONITOR THE SCHEDULED UNOCCUPIED TIME, OCCUPIED SETPOINTS AND SPACE TEMPERATURE TO CALCULATE WHEN THE OPTIMAL STOP OCCURS. WHEN THE OPTIMAL STOP MODE IS ACTIVE THE LOCAL EQUIPMENT CONTROLLER SHALL SWITCH TO THE UNOCCUPIED MODE. OUTSIDE AIR DAMPER SHALL REMAIN ENABLED TO PROVIDE MINIMUM VENTILATION.
6. OCCUPIED BYPASS:
   - A. THE LOCAL EQUIPMENT CONTROLLER SHALL MONITOR THE STATUS OF THE ON AND CANCEL BUTTONS OF THE SPACE TEMPERATURE SENSOR. WHEN AN OCCUPIED BYPASS REQUEST IS RECEIVED FROM A SPACE SENSOR, THE UNIT SHALL TRANSITION FROM ITS CURRENT OCCUPANCY MODE TO OCCUPIED BYPASS MODE AND THE UNIT SHALL MAINTAIN THE SPACE TEMPERATURE TO THE OCCUPIED SETPOINTS (ADJ.).
7. HEAT/COOL MODE:
   - A. WHEN THE SPACE TEMPERATURE RISES ABOVE THE OCCUPIED COOLING SETPOINT THE MODE SHALL TRANSITION TO COOLING. WHEN THE SPACE TEMPERATURE FALLS BELOW THE OCCUPIED HEATING SETPOINT THE MODE SHALL TRANSITION TO HEATING. WHEN THE SPACE TEMPERATURE IS BELOW THE OCCUPIED COOLING SETPOINT AND ABOVE THE OCCUPIED HEATING SETPOINT THE MODE SHALL REMAIN IN ITS LAST STATE. IF THE LOCAL AND COMMUNICATED SETPOINTS FAIL THE LOCAL EQUIPMENT CONTROLLER SHALL DISABLE THE SUPPLY FAN AND AN ALARM SHALL ANNUNCIATE AT THE LOCAL EQUIPMENT CONTROLLER.
8. PRE-COOL MODE:
   - A. DURING OPTIMAL START, IF THE SPACE TEMPERATURE IS ABOVE THE OCCUPIED COOLING SETPOINT, PRE-COOL MODE SHALL BE ACTIVATED. WHEN PRE-COOL IS INITIATED THE UNIT SHALL ENABLE THE FAN AND COOLING. THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED. WHEN THE SPACE TEMPERATURE REACHES OCCUPIED COOLING SETPOINT (ADJ.), THE UNIT SHALL TRANSITION TO THE OCCUPIED MODE.
9. SUPPLY FAN:
   - A. THE SUPPLY FAN SHALL BE OFF IN THE UNOCCUPIED MODE. WHEN THE LOCAL EQUIPMENT CONTROLLER IS IN THE OCCUPIED MODE, THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY. THE LOCAL EQUIPMENT CONTROLLER SHALL VARY THE SUPPLY FAN SPEED TO OPTIMIZE MINIMUM FAN SPEED IN ALL COOLING AND HEATING MODES. IF THE SUPPLY FAN FAILS TO PROVE STATUS FOR 30 SECONDS (ADJ.), THE FAN SHALL BE COMMANDED OFF, THE OUTSIDE AIR DAMPER SHALL CLOSE, COOLING SHALL BE DISABLED, ALL HEATING SHALL BE DISABLED, AND AN ALARM SHALL ANNUNCIATE AT THE LOCAL EQUIPMENT CONTROLLER. A MANUAL RESET SHALL BE REQUIRED TO RESTART THE FAN.
   - B. A HARDWIRED, HIGH STATIC PRESSURE CUT-OFF SWITCH SHALL BE ELECTRICALLY INTERLOCKED WITH THE VARIABLE SPEED DRIVE. IF THE HIGH STATIC PRESSURE CUT-OFF SWITCH IS TRIPPED THE FAN SHALL BE COMMANDED OFF, HEATING SHALL BE DISABLED, COOLING SHOULD BE DISABLED, THE OUTSIDE AIR DAMPER SHALL CLOSE, AND AN ALARM SHALL ANNUNCIATE AT THE LOCAL EQUIPMENT CONTROLLER. A MANUAL RESET OF THE HIGH STATIC PRESSURE CUT-OFF SWITCH SHALL BE REQUIRED TO RESTART THE FAN.
10. DISCHARGE AIR TEMPERATURE CONTROL:
   - A. AT THE ZONE'S DESIGN COOLING LOAD, THE SUPPLY FAN SHALL OPERATE AT MAXIMUM SPEED (DESIGN AIRFLOW) AND THE COOLING CAPACITY SHALL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE AT SETPOINT (55.0 DEG. F, ADJ.). AS THE ZONE COOLING LOAD DECREASES, THE SUPPLY FAN VFD SHALL DECREASE FAN SPEED TO MAINTAIN THE SPACE TEMPERATURE AT COOLING SETPOINT PLUS 0.5 DEG. F , WHILE THE COOLING CAPACITY SHALL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE RESET MINIMUM SETPOINT (55.0 DEG. F, ADJ.). WHEN THE ZONE COOLING LOAD HAS DECREASED TO THE POINT THAT THE SUPPLY FAN VFD HAS REACHED ITS MINIMUM SPEED, THE DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE GRADUALLY RESET UPWARD TOWARD THE OCCUPIED COOLING SETPOINT, ATTEMPTING TO KEEP THE SPACE TEMPERATURE 0.5 DEG. F BELOW THE COOLING SETPOINT. THE SUPPLY FAN SHALL OPERATE AT MINIMUM SPEED WHILE THE COOLING CAPACITY SHALL MODULATE TO MAINTAIN THIS RESET DISCHARGE AIR TEMPERATURE SETPOINT. IF THE SUPPLY FAN BEGINS TO MODULATE UPWARD FROM THE MINIMUM SPEED TO MAINTAIN SPACE COOLING SETPOINT PLUS 0.5 DEG. F, THE DISCHARGE AIR SETPOINT RESET SHALL BE BYPASSED AND THE DISCHARGE AIR SETPOINT SHALL BE SET TO MINIMUM (55.0 DEG. F, ADJ.). THE MINIMUM FAN SPEED SHALL BE INCREMENTED UPWARD BASED ON THE NUMBER OF STAGES OPERATING TO MAINTAIN ENOUGH AIRFLOW FOR THE COMPRESSORS. THE SUPPLY FAN WILL CONTINUE TO MODULATE BETWEEN THE MINIMUM AND MAXIMUM SPEED TO MAINTAIN SPACE COOLING SETPOINT PLUS 0.5 DEG. F, WHILE THE COOLING CAPACITY WILL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE AT THE MINIMUM LIMIT (55.0 DEG. F, ADJ.).
   - B. IN THE HEATING MODE, THE DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE RESET UPWARD FROM THE OCCUPIED HEATING SETPOINT TOWARD MAXIMUM LIMIT (95.0 DEG. F, ADJ.); ATTEMPTING TO KEEP THE SPACE TEMPERATURE 0.5 DEG. F ABOVE THE HEATING SETPOINT. IF THE SUPPLY FAN BEGINS TO MODULATE UPWARD FROM THE MINIMUM SPEED TO MAINTAIN THE OCCUPIED HEATING SETPOINT MINUS 0.5 DEG. F, THE DISCHARGE AIR SETPOINT RESET SHALL BE BYPASSED AND THE DISCHARGE AIR SETPOINT SHALL BE SET TO MAXIMUM (95.0 DEG. F, ADJ.). AS THE ZONE HEATING LOAD CONTINUES TO INCREASE THE SUPPLY FAN VFD SHALL INCREASE FAN SPEED TO MAINTAIN THE SPACE TEMPERATURE AT HEATING SETPOINT, WHILE THE HEATING CAPACITY SHALL BE STAGED TO MAINTAIN THE DISCHARGE AIR TEMPERATURE AT THIS MAXIMUM LIMIT (95.0 DEG. F, ADJ.). AS THE ZONE HEATING LOAD CONTINUES TO INCREASE THE SUPPLY FAN VFD SHALL INCREASE FAN SPEED TO MAINTAIN THE SPACE TEMPERATURE AT HEATING SETPOINT, WHILE THE HEATING CAPACITY SHALL BE STAGED TO MAINTAIN THE DISCHARGE AIR TEMPERATURE AT THIS MAXIMUM LIMIT (95.0 DEG. F, ADJ.). THE MINIMUM FAN SPEED WILL BE INCREMENTED UPWARD BASED ON NUMBER OF STAGES INSTALLED AND NUMBER OF STAGES OPERATING TO MAINTAIN ENOUGH AIRFLOW FOR THE HEAT EXCHANGER OR STRIP HEAT.
   - C. IF THE DISCHARGE AIR TEMPERATURE RISES ABOVE THE MAXIMUM LIMIT, A HIGH TEMPERATURE ALARM SHALL ANNUNCIATE TO THE LOCAL EQUIPMENT CONTROLLER. IF THE DISCHARGE AIR TEMPERATURE DROPS BELOW THE MINIMUM LIMIT, A LOW TEMPERATURE ALARM SHALL ANNUNCIATE TO THE LOCAL EQUIPMENT CONTROLLER, AND THE UNIT SHALL SHUT DOWN.
11. DEHUMIDIFICATION:
   - A. WHEN THE SPACE RELATIVE HUMIDITY REACHES 55% (ADJ.), THE LOCAL EQUIPMENT CONTROLLER SHALL ENABLE THE DEHUMIDIFICATION MODE (HOT REFRIGERANT GAS REHEAT). SUPPLY AIR TEMPERATURE SHALL BE SET TO 55.0 DEG. F UNTIL THE ZONE TEMPERATE HUMIDITY REACHES 45%. DURING THIS PROCESS, THE HOT REFRIGERANT GAS REHEAT COIL SHALL BE ENABLED AND MODULATED TO MAINTAIN THE SPACE TEMPERATURE OF 75 DEG. F.
   - B. THE DEHUMIDIFICATION MODE SHALL BE DISABLED WHEN THE ZONE AIR RELATIVE HUMIDITY DROPS BELOW 45% (ADJ.).
12. DEMAND CONTROL VENTILATION:
   - A. USING A SPACE CO2 INPUT (LOCAL SENSOR), THE LOCAL EQUIPMENT CONTROLLER SHALL MONITOR AND COMPARE THE MEASURED SPACE CO2 TO THE SPACE CO2 CONCENTRATION SETPOINT (ADJ.). IF THE MEASURED CO2 CONCENTRATION FALLS BELOW THE SET POINT, THE OUTSIDE AIR DAMPER SHALL MODULATE TOWARD MINIMUM OUTDOOR AIR POSITION SETPOINT, THE OUTDOOR AIR DAMPER SHALL CLOSE. WHEN THE MIXED AIR TEMPERATURE RISES ABOVE THE MIXED AIR LOW LIMIT SETPOINT, CO2 OPERATION IS RESTORED.
13. CONDENSATE OVERFLOW MONITORING:
   - A. IF THE CONDENSATE LEVEL REACHES THE TRIP POINT, A CONDENSATE OVERFLOW DIAGNOSTIC SHALL ANNUNCIATE AT THE LOCAL EQUIPMENT CONTROLLER. TO PREVENT THE CONDENSATE DRAIN PAN FROM OVERFLOWING AND CAUSING WATER DAMAGE TO THE BUILDING THE FAN SHALL BE DISABLED AND THE DX COOLING SHALL BE DISABLED.
14. FILTER STATUS:
   - A. A DIFFERENTIAL PRESSURE SWITCH SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER(S) WHEN THE FAN IS RUNNING. IF THE SWITCH CLOSES DURING NORMAL OPERATION A DIRTY FILTER ALARM SHALL ANNUNCIATE AT THE LOCAL EQUIPMENT CONTROLLER.
15. SMOKE DETECTOR SHUTDOWN:
   - A. THE UNIT SHALL SHUT DOWN IN RESPONSE TO A SIGNAL FROM THE SMOKE DETECTOR INDICATING THE PRESENCE OF SMOKE. THE SMOKE DETECTOR SHALL BE INTERLOCKED TO THE UNIT THROUGH THE DRY CONTACTS OF THE SMOKE DETECTOR. A MANUAL RESET OF THE SMOKE DETECTOR SHALL BE REQUIRED TO RESTART THE UNIT.



CONTROL DIAGRAM - HEAT PUMP AND DUCTLESS AIR HANDLING UNITS
(HP-2, AHU-2A, AHU-2B, AHU-2C, AND AHU-2D)
NOT TO SCALE

SEQUENCE OF OPERATIONS

1. VARIABLE REFRIGERANT FLOW (VRF) SYSTEM SEQUENCE OF OPERATION:
   - A. THIS SEQUENCE OF OPERATIONS DESCRIBES THE "SYSTEM-LEVEL" CONTROL FUNCTIONS OF A VARIABLE REFRIGERANT FLOW (VRF) SYSTEM, WHICH INCLUDES COORDINATING THE OPERATION OF THE OUTDOOR UNIT WITH TERMINAL UNITS DURING THE VARIOUS OPERATING MODES. THE "EQUIPMENT-LEVEL" CONTROL FUNCTIONS OF THE OUTDOOR UNIT AND THE TERMINAL UNITS ARE CONTAINED IN THEIR RESPECTIVE SEQUENCE OF OPERATIONS DOCUMENTS.
2. VARIABLE REFRIGERANT FLOW (VRF) HEAT PUMP SYSTEM:
   - A. A HEAT PUMP SYSTEM SHALL PROVIDE ASYNCHRONOUS HEATING OR COOLING TO ALL ZONES SERVED BY THE VRF SYSTEM. THE STATE OF THE VRF SYSTEM IS OFF WHEN THE OUTDOOR UNIT IS OFF AND ALL TERMINAL UNITS ARE OFF. WHEN ANY TERMINAL UNIT TRANSITIONS TO THE ON STATE, THE VRF SYSTEM SHALL TRANSITION TO THE ON STATE AND THE OUTDOOR UNIT SHALL TRANSITION TO EITHER THE COOL STATE OR HEAT STATE, DEPENDING ON THE CALL TO HEAT OR COOL FROM THE TERMINAL UNITS.
   - B. WHEN THE OUTDOOR UNIT IS IN COOL STATE, IT SUPPLIES SUBCOOLED LIQUID REFRIGERANT TO THE TERMINAL UNITS. WHEN THE OUTDOOR UNIT IS IN HEAT STATE, IT SUPPLIES SUPERHEATED GAS REFRIGERANT TO THE TERMINAL UNITS. EACH TERMINAL UNIT SHALL COMMUNICATE TO THE OUTDOOR UNIT THE NEED FOR COOLING OR HEATING.
   - C. WHEN THE OUTDOOR UNIT IS IN THE HEAT STATE AND ALL TERMINAL UNITS COMMUNICATE THE NEED FOR COOLING. THE OUTDOOR UNIT WILL TRANSITION FROM PROVIDING SUPERHEATED GAS REFRIGERANT TO PROVIDING SUBCOOLED LIQUID REFRIGERANT TO THE TERMINAL UNITS. UPON COMPLETION OF THIS ACTION, THE OUTDOOR UNIT STATE IS COOL.
   - D. WHEN THE OUTDOOR UNIT IS IN THE COOLING STATE AND ALL TERMINAL UNITS COMMUNICATE THE NEED FOR HEAT. THE OUTDOOR UNIT SHALL TRANSITION FROM PROVIDING SUBCOOLED LIQUID REFRIGERANT TO PROVIDING SUPERHEATED GAS REFRIGERANT TO THE TERMINAL UNITS. UPON COMPLETION OF THIS ACTION, THE OUTDOOR STATE IS HEAT.
   - E. WHEN THE STATE OF THE VRF SYSTEM IS ON AND ALL OF THE INDOOR UNITS TRANSITION TO THE OFF STATE, THE OUTDOOR UNIT SHALL TRANSITION TO THE SHUTDOWN STATE. ENTERING THIS STATE SHALL CAUSE THE OUTDOOR UNIT TO PERFORM THE NECESSARY FUNCTIONS REQUIRED TO PREPARE THE REFRIGERANT SYSTEM TO STOP OPERATION. ONCE THE REFRIGERANT SYSTEM HAS STOPPED OPERATION, THE OUTDOOR UNIT SHALL TRANSITION TO THE OFF STATE AND THE VRF SYSTEM STATE SHALL TRANSITION TO THE OFF STATE.
3. VRF SYSTEM CONTROL [NO BUILDING AUTOMATION SYSTEM (BAS)]:
   - A. THE VRF SYSTEM CONTROL DEVICE IS A COMPUTER BASED APPLICATION THAT PROVIDES A METHOD FOR A BUILDING OPERATOR TO MONITOR AND CONTROL THE OPERATION OF ONE OR MORE VARIABLE REFRIGERANT FLOW (VRF) SYSTEMS THAT SERVE A BUILDING.
   - B, THE VRF SYSTEM CONTROL DEVICE SHALL HAVE THE ABILITY TO MONITOR AND CONTROL VRF SYSTEM FUNCTIONS SUCH AS, BUT NOT LIMITED TO, TIME SCHEDULE BASED SYSTEM OPERATION, RECORDING OF OPERATING PARAMETER DATA VALUES AS A TIME OR SAMPLE SERIES, AND CONTROL INDIVIDUAL VRF TERMINAL UNITS OR GROUPS OF TERMINAL UNITS. SYSTEM LEVEL FUNCTIONALITY IS LIMITED IN SCOPE TO A VRF SYSTEM, WITH NO ABILITY OR MINIMAL ABILITY TO CONTROL AND MONITOR OTHER NON-VRF EQUIPMENT OR SYSTEMS.

E:

KEY PLAN:

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale		BE	Checked
Date	02/19/2026	SM	Approved

Drawing Title: MECHANICAL CONTROLS
Drawing Number: M701
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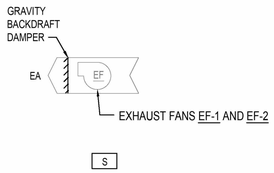


CONTROL DIAGRAM - EXHAUST FAN - LIGHT SWITCH CONTROL (EF-1 AND EF-2)

NOT TO SCALE

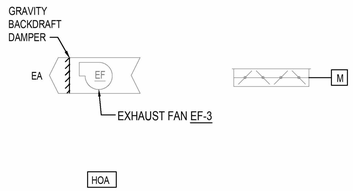
SEQUENCE OF OPERATION:

GENERAL:

A. THE EXHAUST FAN SHALL SHALL BE CONTROLLED BY THE LIGHT SWITCH.

OPERATION:

1. WHEN THE LIGHT SWITCH IN IN THE "ON" POSITION, THE FAN SHALL ENERGIZE AND RUN CONTINUOUSLY.
2. WHEN THE LIGHT SWITCH IS IN THE "OFF" POSITION, THE EXHAUST FAN SHALL BE DE-ENERGIZED.
3. ONCE ENERGIZED, THE FAN SHALL RUN FOR 5 MINUTES (ADJUSTABLE) BEFORE DE-ENERGIZING.



CONTROL DIAGRAM - EXHAUST FAN - CONTINUOUS OPERATION (EF-3)

NOT TO SCALE

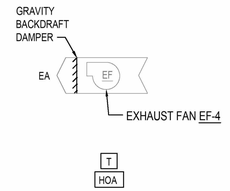
SEQUENCE OF OPERATION:

GENERAL:

A. PROVIDE LINE-VOLTAGE SPACE THERMOSTAT WITH A SUBBASE "HAND-OFF-AUTO" SWITCH.

OPERATION:

1. WHEN THE SUBBASE SWITCH IS INDEXED INTO THE "HAND" POSITION, THE MOTOR OPERATED DAMPER SHALL OPEN AND THE FAN SHALL RUN CONTINUOUSLY.
2. WHEN THE SUBBASE SWITCH IS INDEXED INTO THE "OFF" POSITION THE EXHAUST FAN SHALL BE DE-ENERGIZED AND THE MOTOR OPERATED DAMPER SHALL CLOSE.



CONTROL DIAGRAM - EXHAUST FAN - THERMOSTAT CONTROL (EF-4)

NOT TO SCALE

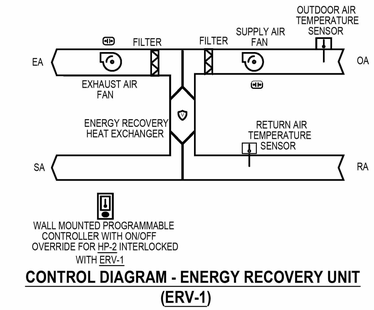
SEQUENCE OF OPERATION:

GENERAL:

A. PROVIDE LINE-VOLTAGE SPACE THERMOSTAT WITH A SUBBASE "HAND-OFF-AUTO" SWITCH.

OPERATION:

1. WHEN THE SUBBASE SWITCH IS INDEXED INTO THE "HAND" POSITION, THE FAN SHALL RUN CONTINUOUSLY.
2. WHEN THE SUBBASE SWITCH IS INDEXED INTO THE "OFF" POSITION THE EXHAUST FAN SHALL BE DE-ENERGIZED.
3. WHEN THE SUBBASE SWITCH IS INDEXED INTO THE "AUTO" POSITION THE SPACE THERMOSTAT SHALL CONTROL EXHAUST FAN. WHEN THE SPACE TEMPERATURE RISES ABOVE ITS TEMPERATURE SETPOINT OF 85°F (ADJUSTABLE), THE EXHAUST FAN SHALL BE ENERGIZED AND VICE VERSA.



CONTROL DIAGRAM - ENERGY RECOVERY UNIT (ERV-1)

NOT TO SCALE

SEQUENCE OF OPERATION:

GENERAL:

1. THE ENERGY RECOVER UNIT SHALL BE CONTROLLED VIA THE PROGRAMMABLE WALL MOUNTED CONTROLLER FOR HP-2.

OPERATION:

1. OCCUPIED:
   A. DURING OCCUPIED PERIODS, THE ENERGY RECOVERY VENTILATOR SHALL RUN CONTINUOUSLY.
2. UNOCCUPIED:
   A. DURING UNOCCUPIED PERIODS THE ENERGY RECOVERY VENTILATOR SHALL BE DISABLED.

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF
RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale		BE	Checked
Date	02/19/2026	SM	Approved

Drawing Title: MECHANICAL CONTROLS

Drawing Number: M702

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PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	A/C	ABOVE CEILING
	AFF	ABOVE FINISHED FLOOR
	A/P	ACCESS PANEL
	AHU	AIR HANDLER UNIT
	B/F	BELOW FLOOR
		NEW PIPING (DARK LINED)
CW	CW	COLD WATER PIPING
HW	HW	HOT WATER PIPING
HWR	HWR	HOT WATER RECIRCULATING PIPING
1" TW	TW	TAMPERED WATER
SAN	SAN	SOIL, WASTE PIPING
ST	ST	STORM DRAINAGE PIPING
V	V	VENT
CD	CD	CONDENSATE DRAIN
		PIPE TURNING UP
		PIPE TURNING DOWN
		ISOLATION VALVE
		ISOLATION VALVE IN VERTICAL
	BV	CALIBRATED BALANCING VALVE
	BWV	BACKWATER VALVE
	PRV	PRESSURE REDUCING VALVE
		STRAINER
		PRESSURE RELIEF VALVE
		THERMOMETER
	FCO/CO	FLOOR CLEANOUT/CLEANOUT
	FD	FLOOR DRAIN
	RD	ROOF DRAIN
	OD	OVERFLOW DRAIN
	HP	HORSEPOWER
	HZ	FREQUENCY HERTZ
	PH	PHASE (ELECTRICAL)
	P & T	PRESSURE & TEMPERATURE
	SA	SHOCK ABSORBER/WATER HAMMER ARRESTOR
	VTR	VENT THROUGH ROOF
	WCO	WALL CLEANOUT
00		DRAWING NOTE NUMBER

PLUMBING LEGEND

ABBREVIATION	DESCRIPTION
BTUH	BRITISH THERMAL UNIT PER HOUR
CD	CONDENSATE DRAIN
CO	CLEAN OUT
CP	CIRCULATING PUMP
CW	DOMESTIC COLD WATER
DIA, Ø	DIAMETER
EL	ELEVATION
ELEC	ELECTRICAL
F	FAHRENHEIT
FD	FLOOR DRAIN OR FOUNDATION DRAIN
FT	FOOT OR FEET
GAL	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RECIRCULATING
HWH	HOT WATER HEATER
MIN.	MINIMUM
No	NUMBER
PH, Ø	PHASE (ELECTRICAL)
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
RD	ROOF DRAIN
OD	ROOF DRAIN OVERFLOW
SAN	SANITARY
ST	STORM DRAIN
TEMP	TEMPERATURE
TD	TRENCH DRAIN
TYP.	TYPICAL
TW	TEMPERED WATER
V	VOLTS OR VENT

PLUMBING GENERAL NOTES:

1. PLUMBING INSTALLATION SHALL COMPLY WITH THE LATEST STATE, LOCAL CODES, AND ALL UTILITY COMPANY REGULATIONS.
2. PLUMBING WORK INCLUDES ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. PLUMBING CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND PAY ALL FEES RELATIVE TO THE INSTALLATION OF THEIR WORK.
3. COORDINATE THE WORK WITH WORK OF OTHER TRADES AND FIELD CONDITIONS. CAREFULLY CHECK SPACE REQUIREMENTS AND UTILITIES TO INSURE ALL EQUIPMENT CAN BE INSTALLED IN THE SPACES ALLOTTED THERETO AND COORDINATE ALL NECESSARY UTILITY SERVICE REQUIREMENTS. THE INSTALLATION OF NEW WORK MAY REQUIRE A PHASED INSTALLATION SEQUENCE. COORDINATE, PROTECT AND SCHEDULE WORK WITH WORK OF OTHER TRADES IN ACCORDANCE WITH THE REQUIRED CONSTRUCTION SCHEDULE. INSTALL ALL WORK IN ACCORDANCE WITH EQUIPMENT MANUFACTURERS INSTALLATION INSTRUCTIONS.
4. ALL PIPING SHOWN IS SCHEMATIC. THE PLUMBING CONTRACTOR SHALL FABRICATE PIPING BASED ON FIELD REQUIREMENTS TO MAKE SURE A PROPER WATER DISTRIBUTION SYSTEM. NO ADDITIONAL COST WILL BE ALLOWED FOR THESE OFFSET AND TRANSITION FITTINGS THAT ARE REQUIRED FOR A COMPLETE WORKING SYSTEM IN ACCORDANCE WITH ALL OF THE REQUIREMENTS OF THE CODES AND REGULATIONS.
5. VALVES IN DOMESTIC WATER PIPING 2" AND SMALLER SHALL BE BRONZE BODY WITH TWO PIECES, FULL PORT STAINLESS STEEL BALL WITH EXTENDED LEVEL HANDLE. PVC VALVES SHALL NOT BE ACCEPTABLE.
7. PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM. ACCESS PANELS IN CEILING AND WALLS SHALL BE PROVIDED WHERE SHOWN ON THE DRAWINGS OR NECESSARY TO ACCESS VALVES, CLEANOUTS, ETC. COORDINATE EXACT LOCATION OR ALL ACCESS PANELS WITH THE ARCHITECT DURING THE SHOP DRAWING PROCESS. ACCESS DOOR/PANEL SHALL MAINTAIN THE SAME FIRE RATED CEILING/WALL CONSTRUCTIONS.
8. ALL VALVES INSTALLED IN LOCATIONS THAT ARE NOT ADJACENT TO THE FIXTURE OR APPLIANCE SHALL BE PROVIDED WITH A VALVE IDENTIFICATION. EACH RISER SHUT-0FF VALVE SHALL BE PROVIDED WITH A PLASTIC VALVE TAG/IDENTIFICATION TO SHOW THE UNITS NUMBER SERVED BY THE SHUT-OFF VALVE.
9. SEAL ALL WALL/FLOOR OPENING TO MAINTAIN THE INTEGRITY OF WALL OR FLOOR CONSTRUCTION REQUIREMENTS.
10. ALL NEW PLUMBING PIPES SHALL BE INSTALLED AS HIGH AS POSSIBLE UNDER BUILDING STRUCTURE AND MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPES AND SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN EQUIPMENT ROOMS.
11. ALL PIPING SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.
12. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING EQUIPMENT, FIXTURES, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL DRAWINGS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
13. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN. UNLESS NOTED OTHERWISE, ELECTRICAL TRANSFORMERS AND LOW VOLTAGE WIRING REQUIRED FOR ALL PLUMBING SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE REQUIREMENTS
14. ALL NEW MATERIALS SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.
15. PROVIDE DIELECTRIC FITTINGS BETWEEN DISSIMILAR METAL CONNECTIONS.
16. THE ENTIRE PLUMBING PIPING SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED IN ACCORDANCE WITH THE REQUIREMENTS. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED. SUBMIT WATER TEST REPORTS TO ENGINEER FOR APPROVAL.
17. ALL PLUMBING EQUIPMENT, FIXTURES, AND PIPING SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS AFTER ACCEPTANCE BY OWNER.
18. SOLDER FOR DOMESTIC WATER PIPING SHALL BE LEAD FREE, HAVING A COMPOSITION SIMILAR TO 95.5% TIN, 4% COPPER AND 0.5% SILVER.
19. THE POTABLE WATER PIPING SYSTEM SHALL BE CLEANED IN ACCORDANCE WITH THE PROCEDURE DESCRIBED BELOW:
    a. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
    - PURGE NEW PIPING AND PARTS OF EXISTING DOMESTIC WATER PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.

    b. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION OR, IF METHODS ARE NOT PRESCRIBED, PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652 OR AS DESCRIBED BELOW:
    - FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
    - FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 PPM OF CHLORINE. ISOLATE WITH VALVES AND ALLOW TO STAND FOR 24 HOURS.
    - FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200 PPM OF CHLORINE. ISOLATE AND ALLOW TO STAND FOR THREE HOURS.
    - FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME.

    c. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
    d. PREPARE AND SUBMIT REPORTS OF PURGING AND DISINFECTING ACTIVITIES TO ARCHITECT FOR APPROVAL.
    e. CLEAN INTERIOR OF DOMESTIC WATER PIPING SYSTEM. REMOVE DIRT AND DEBRIS AS WORK PROGRESSES.

STARTUP REQUIREMENTS:

1. ENSURE ALL EQUIPMENT IS INSTALLED PER THE MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.
2. OBTAIN THE SERVICES OF A NATIONALLY RECOGNIZED TESTING AND BALANCING AGENCY, WHICH IS CERTIFIED BY EITHER THE ASSOCIATED AIR BALANCING COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL TESTING BUREAU (NEBB) TO BALANCE THE DOMESTIC HOT WATER RE-CIRCULATION SYSTEM.

KEY PLAN:

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PATTERSON PARK
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RENOVATION
BALTIMORE CITY DEPARTMENT OF
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Job No.	#23042	GK	Drawn
Scale		BE	Checked
Date	02/19/2026	SM	Approved

Drawing Title: PLUMBING LEGEND, ABBREVIATION AND GENERAL NOTES

Drawing Number: P001

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PATTERSON PARK POOL HOUSE RENOVATION : DOMESTIC WATER DEMAND CALCULATION

Codes: Building, Fire, and Related Codes of Baltimore City 2024 Edition
2021 International Plumbing Code (IPC)

2024 BUILDING, FIRE, AND RELATED CODES OF BALTIMORE CITY / 2018 IPC							TOTAL WSFU		
FIXTURE	OCCUPANCY	TYPE OF CONTROL	LOAD VALUES, IN WATER SUPPLY FIXTURE UNITS (WSFU)			Number of Fixtures	Cold	Hot	Total
			Cold	Hot	Total				
Drinking fountain	Offices, etc.	3/8" valve	0.25	0.0	0.25	1	0.3	0.0	0.3
Kitchen sink	Private	Faucet	1.0	1.0	1.4	1	1.0	1.0	1.4
Lavatory	Public	Faucet	1.5	1.5	2.0	8	12.0	12.0	16.0
Service sink	Offices, etc.	Faucet	2.25	2.25	3.0	1	2.3	2.3	3.0
Shower head	Public	Mixing valve	3.0	3.0	4.0	7	21.0	21.0	28.0
Water closet	Public	Flushometer valve	10.0	0.0	10.0	9	90.0	0.0	90.0
Total							126.5	36.3	138.7

Predominantly Flush Valves:	Yes	
Total Building Cold Water Demand:	77	GPM
Total Building Hot Water Demand:	46	GPM
Total Buidling Plumbing Fixture Water Demand:	77	GPM
Total Process Water Demand (Cooling Tower, etc.):	0	GPM
Total Buidling Water Demand:	77	GPM
Buildning Water Service Pipe Size:	3	Inch

PATTERSON PARK POOL HOUSE RENOVATION : NORTH SANITARY DRAINAGE DEMAND CALCULATION

Codes: Building, Fire, and Related Codes of Baltimore City 2024 Edition
2021 International Plumbing Code (IPC)

Table 709.1 Drainage Fixture Units for Fixtures and Groups				
FIXTURE TYPE	DRAINAGE FIXTURE UNIT VALUE AS LOAD FACTORS	MINIMUM SIZE OF TRAP (inches)	Number of Fixtures	TOTAL DFU FOR FIXTURE TYPE
Floor drains	2	2	6	12.0
Lavatory	1	2	3	3.0
Shower (based on the total flow rate through showerheads and body sprays) Flow rate: 5.7 gpm or less	2	1-1/2	3	6.0
Water closet, flushometer tank, public or private	4	Note d	3	12.0
Total				33.0

Pipe Slope:	1/4	Inch vertical drop per horizontal foot
Minimum Required Pipe Size:	6	Inch

PATTERSON PARK POOL HOUSE RENOVATION : SOUTH SANITARY DRAINAGE DEMAND CALCULATION

Codes: Building, Fire, and Related Codes of Baltimore City 2024 Edition
2021 International Plumbing Code (IPC)

Table 709.1 Drainage Fixture Units for Fixtures and Groups				
FIXTURE TYPE	DRAINAGE FIXTURE UNIT VALUE AS LOAD FACTORS	MINIMUM SIZE OF TRAP (inches)	Number of Fixtures	TOTAL DFU FOR FIXTURE TYPE
Drinking fountain	0.5	1-1/4	1	0.5
Floor drains	2	2	5	10.0
Kitchen sink, domestic	2	1-1/4	1	2.0
Lavatory	1	2	5	5.0
Shower (based on the total flow rate through showerheads and body sprays) Flow rate: 5.7 gpm or less	2	1-1/2	4	8.0
Service sink	2	1-1/2	1	2.0
Water closet, flushometer tank, public or private	4	Note d	6	24.0
Total				51.5

Pipe Slope:	1/4	Inch vertical drop per horizontal foot
Minimum Required Pipe Size:	4	Inch

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Drawing Title: PLUMBING CALCULATIONS

Drawing Number: P002

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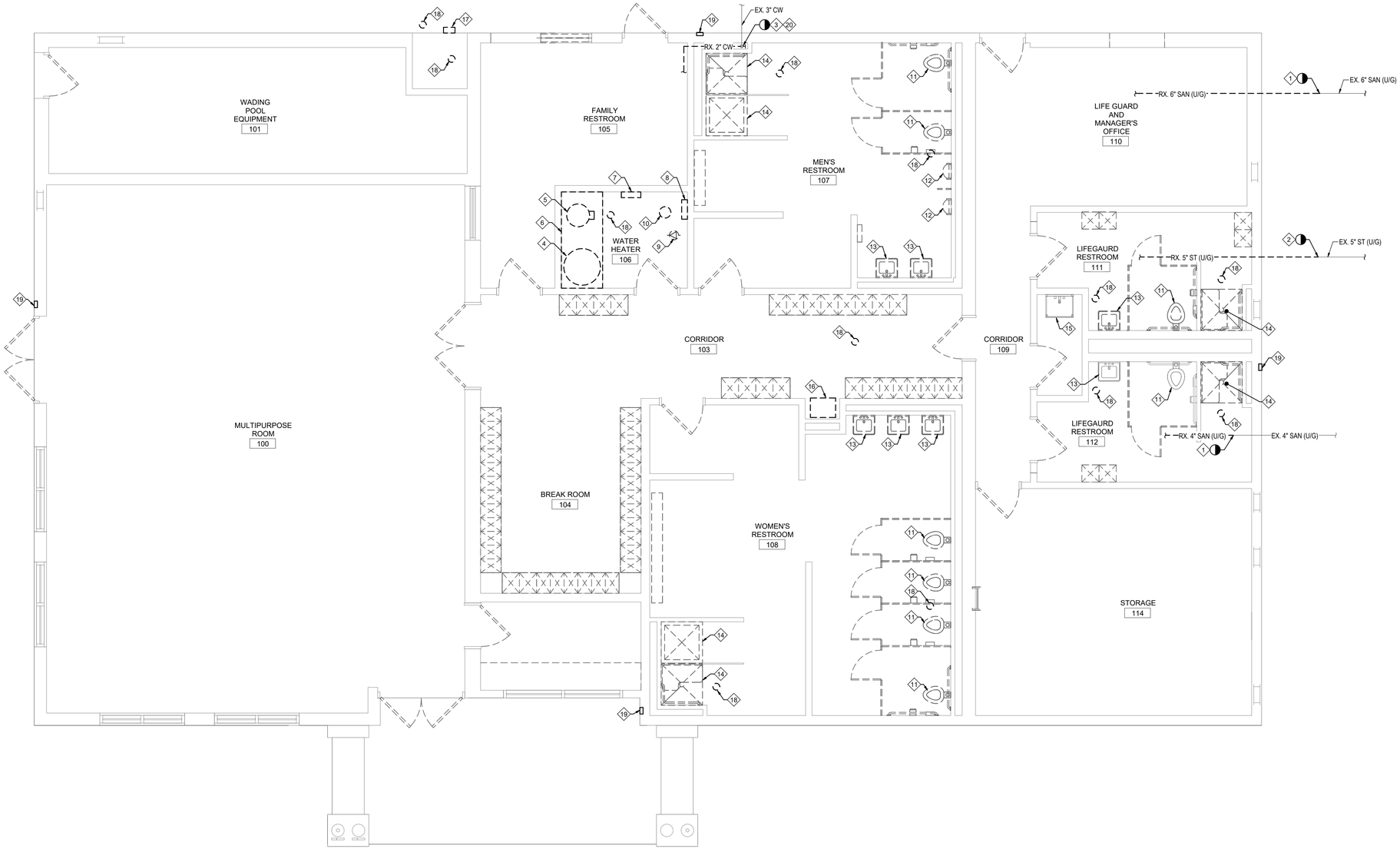
GENERAL NOTES:

1. PRIOR TO COMMENCING WITH DEMOLITION WORK, VERIFY ALL EXISTING SUB-SLAB SANITARY AND STORM WATER PIPING ROUTING VIA GROUND PENETRATING RADAR OR X-RAY. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCING WITH DEMOLITION WORK.
2. UNLESS NOTED OTHERWIDE, ALL EXISTING SANITARY AND STORM WATER PIPING IS LOCATED BELOW GRADE. PROVIDE ALL REQUIRED SAW CUTTING, DIGGING, TRENCHING, SHORING, BACKFILLING, AND CONCRETE PATCH WORK.
3. UNLESS OTHERWISE NOTED, DEMOLISH ALL EXISTING PLUMBING EQUIPMENT, PLUMBING FIXTURES, AND PIPING.

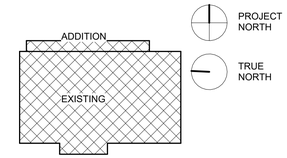
DRAWING NOTES: (#)

1. REMOVE ALL EXISTING SUB-SLAB SANITARY PIPING DOWNSTREAM OF THIS POINT. FIELD VERIFY EXACT ROUTING AND PREPARE EXISTING PIPING TO REMAIN FOR CONNECTION UNDER NEW WORK.
2. REMOVE ALL EXISTING SUB-SLAB STORM WATER PIPING DOWNSTREAM FROM THIS POINT. FIELD VERIFY EXACT ROUTING AND PREPARE EXISTING PIPING TO REMAIN FOR CONNECTION UNDER NEW WORK.
3. REMOVE ALL EXISTING DOMESTIC COLD-WATER PIPING (HOT, COLD, AND RE-CIRCULATION) DOWNSTREAM FROM THIS POINT. PREPARE EXISTING PIPING TO REMAIN FOR NEW PIPING CONNECTION UNDER NEW WORK.
4. REMOVE EXISTING 350-GALLON HOT WATER STORAGE TANK AND ALL ASSOCIATED PUMPS, INSULATION, AND OTHER MISCELLANEOUS APPURTENANCES.
5. REMOVE EXISTING 120-GALLON ELECTRIC WATER HEATER AND ALL ASSOCIATED PUMPS, CONTROLS, INSULATION, AND OTHER MISCELLANEOUS APPURTENANCES.
6. REMOVE EXISTING CONCRETE HOUSEKEEPING PAD.
7. REMOVE EXISTING HIGH-LOW THERMOSTATIC MIXING VALVE ALONG WITH ALL VALVES, SUPPORTS, AND OTHER MISCELLANEOUS APPURTENANCES.
8. REMOVE EXISTING 3 " REDUCED PRESSURE ZONE BACKFLOW PREVENTER AND ALL ASSOCIATED SUPPORTS AND OTHER MISCELLANEOUS APPURTENANCES.
9. REMOVE EXISTING DOMESTIC HOT WATER RECIRCULATION PUMP ALONG WITH ALL SUPPORTS, VALVES, CONTROL, AND OTHER MISCELLANEOUS APPURTENANCES.
10. REMOVE EXISTING 4.5-GALLON INLINE EXPANSION TANK ALONG WITH ALL SUPPORTS, VALVES, AND OTHER MISCELLANEOUS APPURTENANCES.
11. REMOVE EXISTING FLOOR MOUNTED WATER CLOSET, FLUSH VALVE, AND ALL OTHER MISCELLANEOUS APPURTENANCES.
12. REMOVE EXISTING WALL MOUNTED URINAL, FLUSH VALVE, WALL CARRIER, AND ALL OTHER MISCELLANEOUS APPURTENANCES.
13. REMOVE EXISTING WALL MOUNTED LAVATORY, FAUCET, WALL CARRIER, SUPPLIES WITH STOPS, P-TRAP, AND ALL OTHER MISCELLANEOUS APPURTENANCES.
14. REMOVE EXISTING SHOWER, HEAD, MIXING VALVE, AND ALL OTHER MISCELLANEOUS APPURTENANCES.
15. REMOVE EXISTING UTILITY SINK, FAUCET AND ALL OTHER MISCELLANEOUS APPURTENANCES.
16. REMOVE EXISTING ELECTRIC WATER COOLER, WALL CARRIER, SUPPLY WITH STOP, P-TRAP, AND ALL OTHER MISCELLANEOUS APPURTENANCES.
17. REMOVE EXISTING OUTDOOR SHOWER, HEAD, MIXING VALVE, AND ALL OTHER MISCELLANEOUS APPURTENANCES.
18. REMOVE EXISTING FLOOR DRAIN, TRAP, TRAP PRIMER, AND ALL OTHER MISCELLANEOUS APPURTENANCES.
19. REMOVE EXISTING WALL HYDRANT.
20. REMOVE EXISTING MAIN ISOLATION VALVE AND PREPARE FOR NEW VALVE INSTALLATION.



1 PD101 FIRST FLOOR PLAN - PLUMBING DEMOLITION
1/4" = 1'-0"

KEY PLAN:



4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Job No.	#23042	GK	Drawn
Scale	1/4" = 1'-0"	BE	Checked
Date	02/19/2026	SM	Approved
Drawing Title	FIRST FLOOR PLAN - PLUMBING DEMOLITION	Drawing Number	PD101
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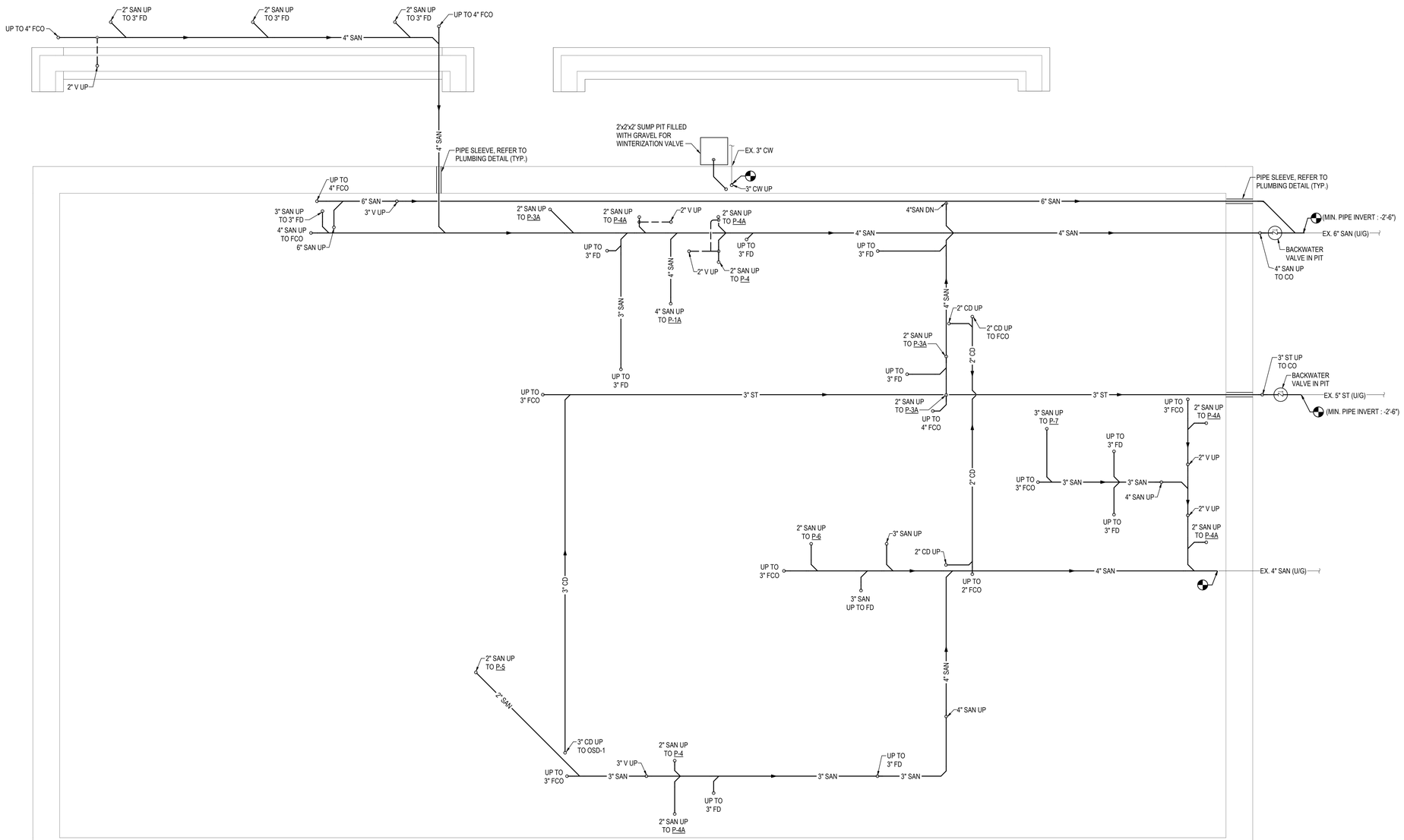
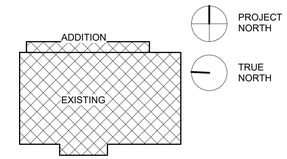
GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, ALL SANITARY AND STORM WATER PIPING IS LOCATED BELOW GRADE. PROVIDE ALL REQUIRED CONCRETE SAW CUTTING, DIGGING, TRENCHING, SHORING, BACKFILLING AND CONCRETE PATCH WORK.



1 / P101 SUB-SLAB PLAN - PLUMBING
1/4" = 1'-0"

KEY PLAN:



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SCALE OF FEET
1/4" = 1'-0"

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Scale	1/4" = 1'-0"	BE	Checked
Date	02/19/2026	SM	Approved
Drawing Title	SUB-SLAB PLAN - PLUMBING	Drawing Number	P101
Sheet	46	68	Of

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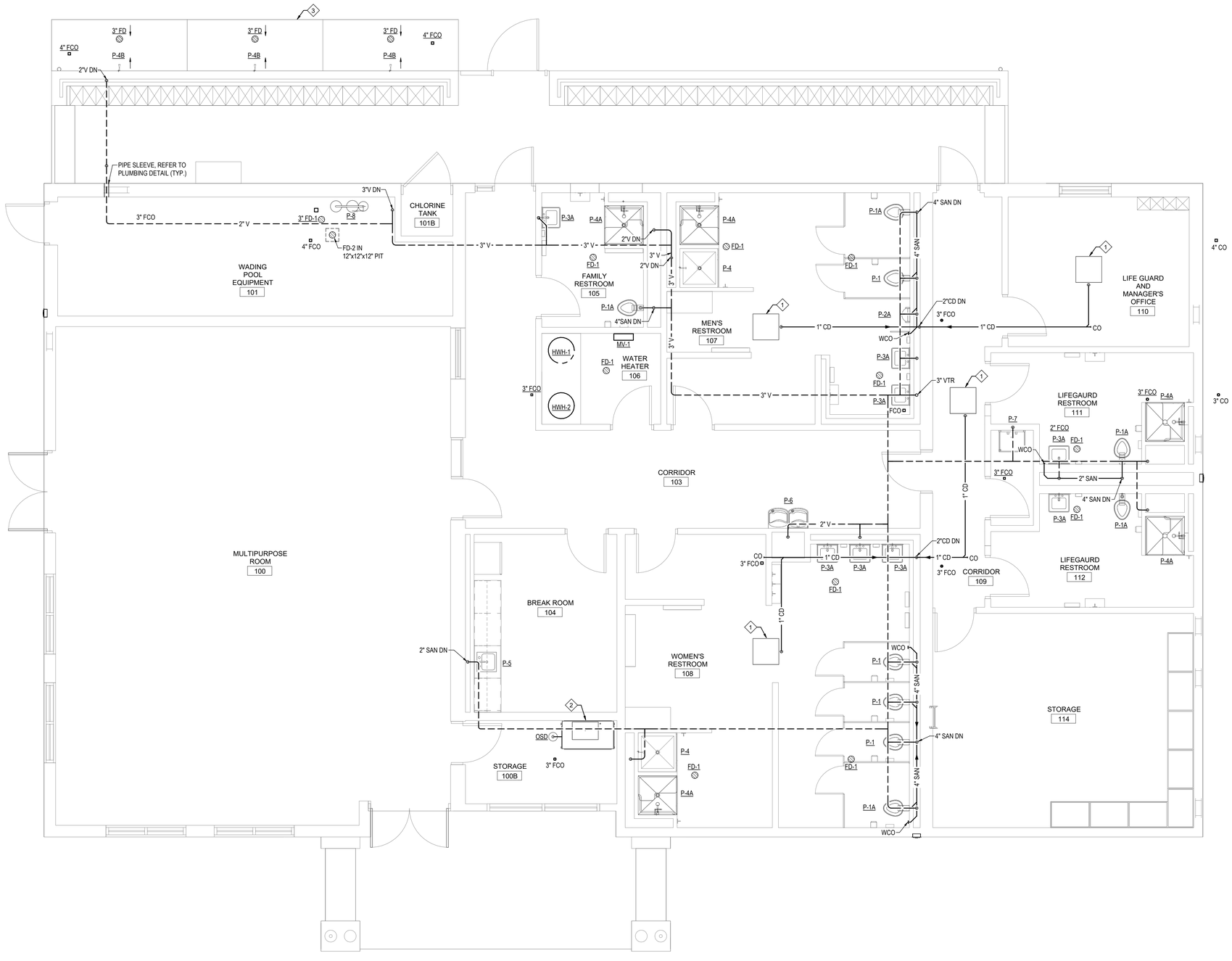
11/5/2025 4:12:27 PM

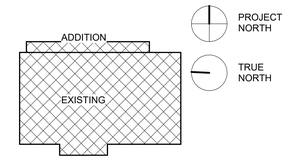
DRAWING NOTES: ◇#

1. CEILING MOUNTED AIR HANDLING UNIT. REFER TO MECHANICAL DRAWINGS.
2. FLOOR MOUNTED AIR HANDLING UNIT. REFER TO MECHANICAL DRAWINGS.
3. SLOPE FLOOR TOWARDS THE FLOOR DRAINS IN OUTDOOR SHOWER AREA.



1 P102 FIRST FLOOR PLAN - SANITARY
1/4" = 1'-0"

KEY PLAN:



4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Date	02/19/2026	SM	Approved
Drawing Title	FIRST FLOOR PLAN - SANITARY	Drawing Number	P102
Sheet	47	68	Of

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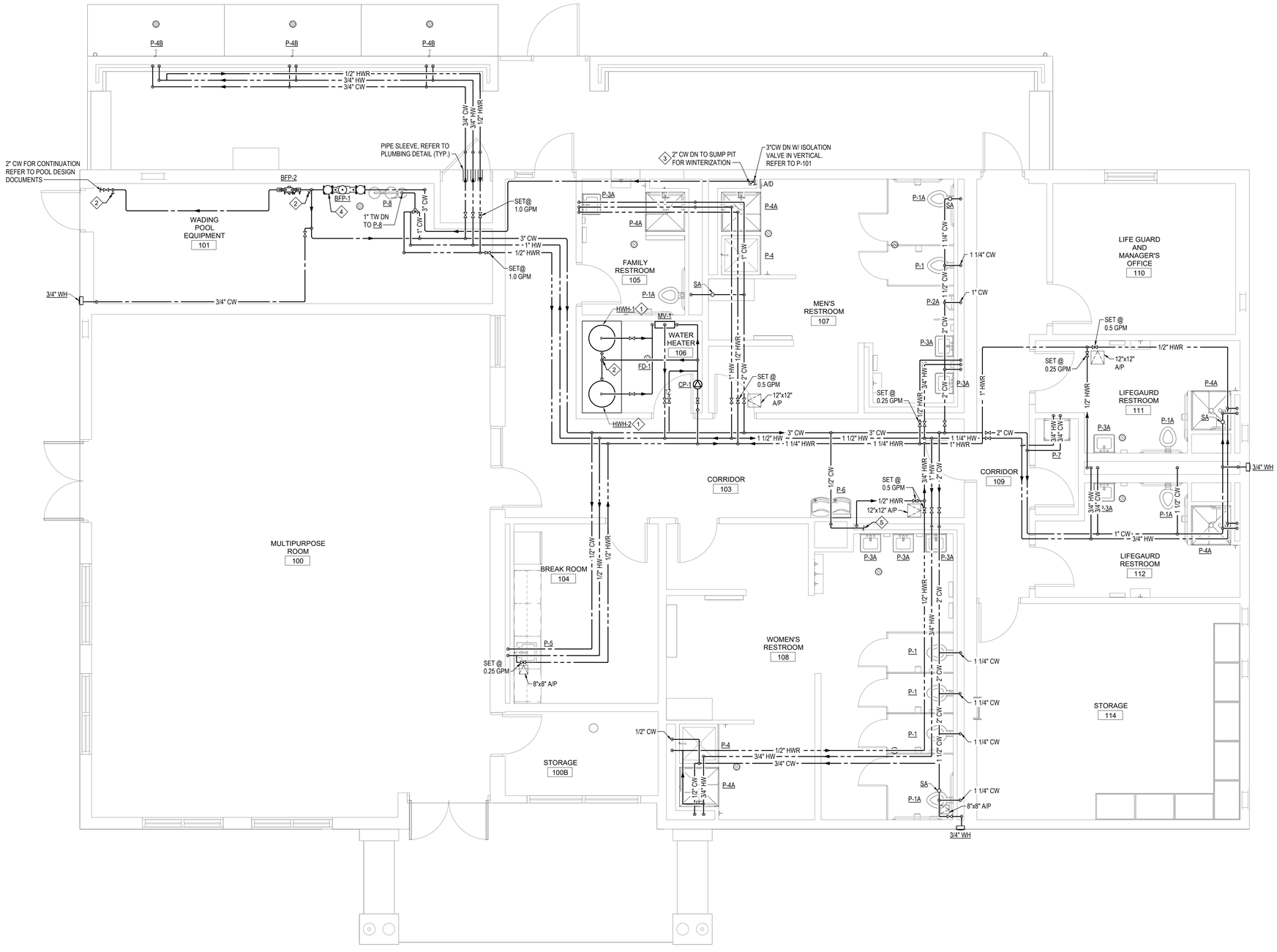
GENERAL NOTES:

1. REFER TO RISER DIAGRAMS AND DETAILS FOR ADDITIONAL PIPE SIZES, VALVE REQUIREMENTS, AND OTHER INFORMATION.
2. THE ENTIRE DOMESTIC WATER SHALL BE DRAINABLE. SLOPE PIPE, PROVIDE DRAINS AT LOW POINTS AND EMPLOY OTHER MEANS AND METHODS TO ACCOMMODATE.

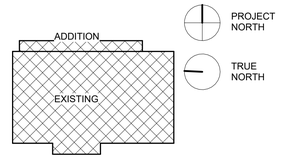
DRAWING NOTES: ◇#

1. MOUNT EQUIPMENT ON 4" HIGH CONCRETE HOUSEKEEPING PAD.
2. PROVIDE DRAIN VALVE AT LOWEST POINT FOR WINTERIZATION.
3. PROVIDE DRAIN VALVE FOR WINTERIZATION AND EXTEND TO 2'x2'x2' SUMP PIT. PROVIDE 4 W/LF HEAT TRACE FOR EXPOSED PORTION OF THE INCOMING WATER LINE FROM GROUND UP TO WINTERIZATION DRAIN VALVE.
4. REFER TO DOMESTIC WATER RISER DIAGRAMS FOR ADDITIONAL REQUIREMENTS INCLUDING PRESSURE REDUCING STATION AND BYPASS.
5. EXTEND 1/2 CW AND CONNECT 3/4 CW SERIVING P-3A REFER TO RAISER DIAGRAM FOR MORE DETAILS.



1 / P103 FIRST FLOOR PLAN - DOMESTIC WATER
1/4" = 1'-0"

KEY PLAN:



4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Drawing Title: FIRST FLOOR PLAN - DOMESTIC WATER

Drawing Number: P103

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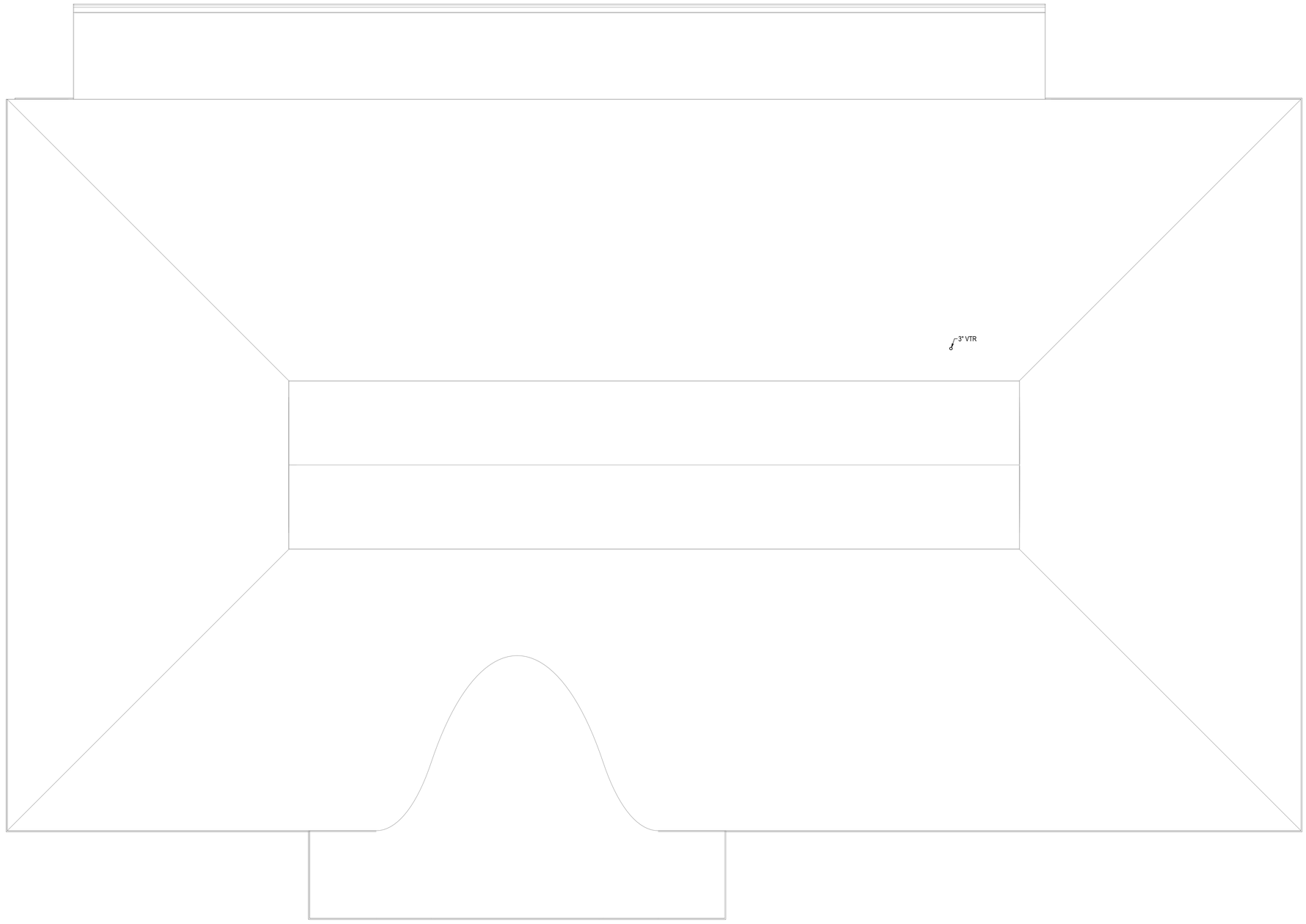
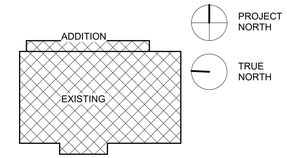


1 P104 ROOF PLAN - PLUMBING
1/4" = 1'-0"

KEY PLAN:



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

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Date	02/19/2026	SM	Approved

Drawing Title: ROOF PLAN - PLUMBING

Drawing Number: P104

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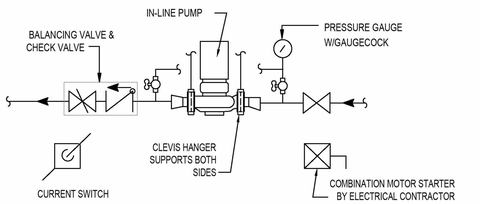
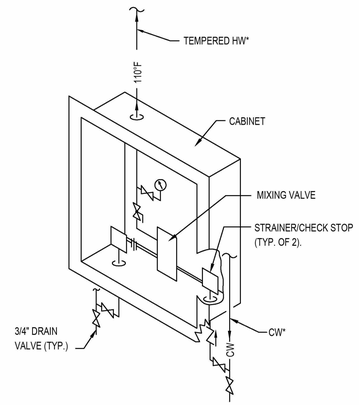


SEQUENCE OF OPERATION:
CONTRACTOR SHALL PROVIDE A RIB RELAY WITH "H-O-A" SWITCH AND CURRENT SWITCH TO RUN PUMP BASED ON OCCUPIED/UNOCCUPIED MODE OF OPERATION.
A. "HAND" POSITION: THE PUMP SHALL BE MANUALLY OPERATED.
B. "OFF" POSITION: THE PUMP SHALL BE MANUALLY TURNED OFF.
C. "AUTO" POSITION: THE PUMP SHALL RUN CONTINUOUSLY DURING THE OCCUPIED MODE AND SHUT DOWN DURING THE UNOCCUPIED MODE.

1 P501

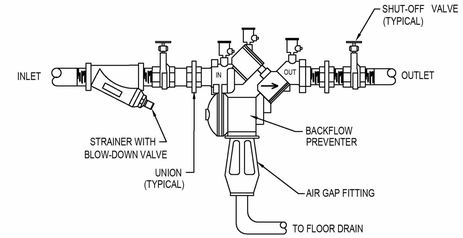
IN-LINE PUMP
NOT TO SCALE



* REFER TO FLOOR PLAN & RISER DIAGRAM FOR PIPE SIZES

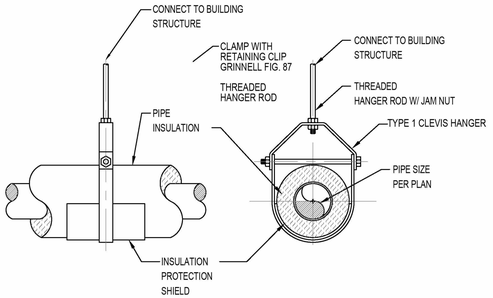
2 P501

THERMOSTATIC MIXING VALVE IN CABINET
NOT TO SCALE



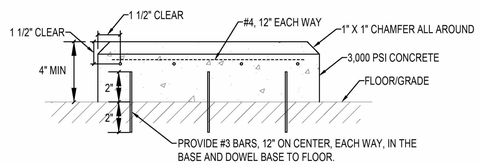
3 P501

BACKFLOW PREVENTER (RPD)
NOT TO SCALE



4 P501

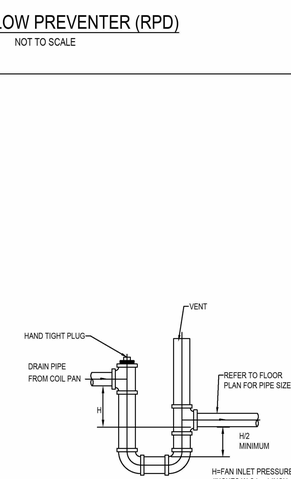
PIPE HANGER DETAIL
NOT TO SCALE



NOTE:
1. CONCRETE PAD SHALL BE 4 INCHES GREATER IN ALL HORIZONTAL DIRECTIONS THAN THE EQUIPMENT BASE PLATE.

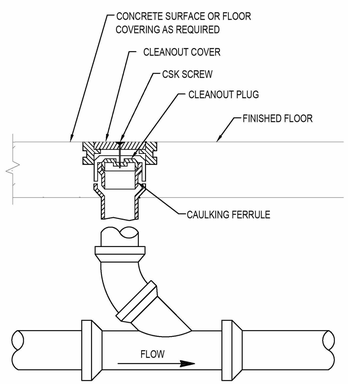
5 P501

CONCRETE HOUSEKEEPING PAD DETAIL
NOT TO SCALE



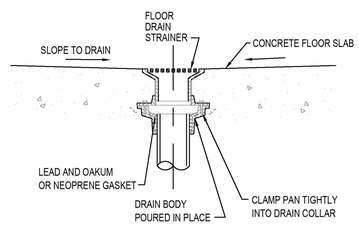
6 P501

CONDENSATE DRAIN PIPE DETAIL
NOT TO SCALE



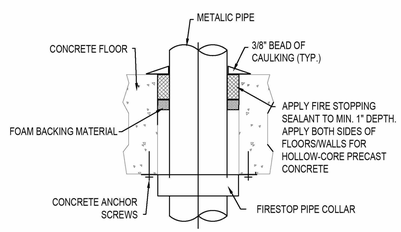
7 P501

FLOOR CLEANOUT DETAIL
NOT TO SCALE



8 P501

FLOOR DRAIN DETAIL
NOT TO SCALE



9 P501

PIPE PENETRATION DETAIL (TYP.)
NOT TO SCALE

KEY PLAN:

BID SET

MIN ENGINEERING, INC.
10 SUDBROOK LN
PIKESVILLE, MARYLAND 21208, 410-486-4692

Seal:

GWWO INC.
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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale		BE	Checked
Date	02/19/2026	SM	Approved

Drawing Title: PLUMBING DETAILS
Drawing Number: P501
Sheet 50 68 Of

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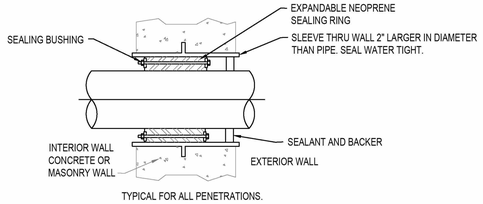


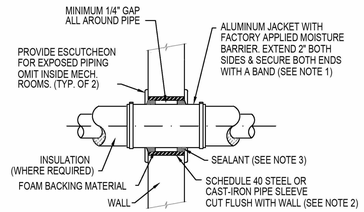
TYPICAL FOR ALL PENETRATIONS.

NOTE:
PIPE SLEEVES FOR ALL PENETRATIONS SHALL BE PROPERLY ANCHORED AND SEALED WATERTIGHT INTO WALL.

1 / P502

PIPE PENETRATION THROUGH EXTERIOR WALL DETAIL

NOT TO SCALE



NOTES:
1. OMIT ALUMINUM JACKET IF PIPING IS UNINSULATED.
2. FOR GYP.BOARD WALLS PROVIDE MIN. 16 GAUGE GALV. STEEL SLEEVE W/ LOCK-TYPE LONGITUDINAL SEAM
3. APPLY FIRE STOPPING SEALANT TO MIN. 3/4" DEPTH ON BOTH SIDE OF WALL FOR FIRE RATED WALL PENETRATION.

2 / P502

PIPE PENETRATION THROUGH INTERIOR WALL DETAIL

NOT TO SCALE

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No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	GK	Drawn
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Date	02/19/2026	SM	Approved

Drawing Title: PLUMBING DETAILS

Drawing Number: P502

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DOMESTIC HOT WATER RE-CIRCULATION PUMP(CP) SCHEDULE

TYPE	LOCATION	SERVICE	PUMP STYLE	FLOW		FT HD. W.C.	CONNECTION SIZE-SUCTION / DISCHARGE	MOTOR DATA						ELECTRICAL CONTRACTOR				MECHANICAL CONTRACTOR				WEIGHT LBS	BASIS OF DESIGN		NOTES
				GPM	TEMP.			V	PH	HZ	WATTS	RPM	WATTS	DISCONNECT	MANUAL ON-OFF	COMB. "H-O-A"	VFD	DISCONNECT	VFD	RIB RELAY	BAS		MANUFACTURER	MODEL NUMBER	
CP-1	106 WATER HEATER	DOMESTIC HOT WATER RE-CIRCULATION	INLINE	3.75	110	20	1-1/2" / 1-1/2"	120	1	60	125	2,950	125	YES	YES	YES	NO	YES	NO	YES	YES	15	BELL & GOSSETT	NBF33	1,2,3,4,5,6

NOTES:

1 LEAD-FREE BRONZE CONSTRUCTION CERTIFIED BY NSF FOR POTABLE WATER.
2 BUILT-IN TEMPERATURE SENSOR AND TIMER WITH ELECTRIC CONTROLLER.
3 PROVIDE A PREMIUM EFFICIENCY MOTOR.
4 PROVIDE ECM MOTOR.
5 PROVIDE HANGER SPRING NEOPRENE VIBRATION ISOALTORS.

PLUMBING EXPANSION TANK SCHEDULE

TANK NO.	LOCATION	TYPE	SERVICE	VOLUME GALLONS		DIAMETER X LENGTH INCHES	PIPE SIZE INCHES	BASIS OF DESIGN		NOTES
				TANK	ACCEPTANCE			MANUFACTURER	MODEL NUMBER	
ET-1	106 WATER ROOM	VERTICAL/DIAPHRAGM	DOMESTIC HOT WATER	6.4	3.2	12 x 18	1"	AMTROL	ST-12C	1,2,3

NOTES:

1. EXPANSION TANK SHALL BE LEAD FREE AND RATED FOR USE WITH DOMESTIC WATER.
2. EXPANSION TANKS SHALL BE ASME CERTIFIED.
3. SUPPORT EXPANSION TANK FROM STRUCTURE ABOVE.

BACKFLOW PREVENTER SCHEDULE

DESIGNATION	SERVICE	TYPE	ASSE CERTIFICATION	SIZE	PERFORMANCE		BASIS OF DESIGN		NOTES
					FLOW (GPM)	PRESSURE DROP (PSI)	MANUFACTURER	MODEL NUMBER	
BFP-1	DOMESTIC WATER	DOUBLE CHECK VALVE	1015	3"	77	4	AMES	2000SS	1,3,5,6
BFP-2	POOL EQUIPMENT	REDUCED PRESSURE ZONE	1013	2"	50	12.5	AMES	4000B	2,3,4,5,6

NOTES:

1. BACKFLOW PREVENTER SHALL INCLUDE TWO OS&Y VALVES, TWO POSITIVE SEATING CHECK VALVES AND PRESSURE RELIEF VALVE.
2. BACKFLOW PREVENTER SHALL INLCUDE TWO QUARTER TURN BALL BALVES, TWO POSITIVE SEATING CHECK VALVES AND PRESSURE RELIEF VALVE.
3. BACKFLOW PREVENTER SHALL INCLUDE INLET STRAINER.
4. PROVIDE AIR GAP FITTING AND PIPE 1" DISCHARGE TO NEAREST FLOOR DRAIN.
5. ENTIRE BACKFLOW PREVENTER ASSEMBLY SHALL BE LEAD FREE.
6. PROVIDE ALL SUPPORTS REQUIRED FOR INSTALLATION.

ELECTRIC WATER HEATER SCHEDULE

TYPE	LOCATION	TEMP. SETTING °F	STORAGE GALLONS	HEAT KW	ELECTRICAL DATA				BASIS OF DESIGN		NOTES
					V	PH	HZ	AMPS	MANUFACTURER	MODEL NUMBER	
HWH-1	106 WATER HEATER	140	119	41	208	3	60	112.4	A.O. SMITH	DRE 120	1,2,3,4,5
HWH-2	106 WATER HEATER	140	119	41	208	3	60	112.4	A.O. SMITH	DRE 120	1,2,3,4,5

NOTES:

1. PROVIDE TEMPERATURE AND PRESSURE RELIEF VALVE.
2. PROVIDE ALUMINUM WATER HEATER PAN WITH DRAIN.
3. MOUNT ON 4" HIGH CONCRETE HOUSEKEEPING PAD EXTENDING 4" FROM UNIT IN ALL DIRECTIONS.
4. PROVIDE TEMPERATURE AND PRESSURE RELIEF VALVE.
5. INSTALL PER MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.

THERMOSTATIC MIXING VALVE SCHEDULE

UNIT NO.	LOCATION	HOT WATER SUPPLY (°F)	COLD WATER SUPPLY (°F)	TEMPERED WATER (°F)	FLOW RATE, GPM	PRESSURE DROP, PSI	BASIS OF DESIGN		NOTES
							MANUFACTURER	MODEL NUMBER	
MV-1	106 WATER HEATER	140	55	110	17	5	LAWLER	801 86208-05	1,2,3

NOTES:

1: UNIT SHALL INCLUDE THERMOSTATIC MIXING VALVE, CABINET AND SHUT-OFF VALVES.
2: VALVE SHALL BE ASSE 1017 APPROVED.
3: VALVE SHALL BE LEAD FREE.

KEY PLAN:

BID SET

MIN ENGINEERING, INC.
10 SUDBROOK LN
PIKESVILLE, MARYLAND 21208, 410-486-4692

Seal:

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale		BE	Checked
Date	02/19/2026	SM	Approved
Drawing Title	PLUMBING SCHEDULES	Drawing Number	P601
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PLUMBING FIXTURE SPECIFICATION SCHEDULE:

1. ALL PLUMBING FIXTURE MANUFACTURERS AND MODEL NUMBERS ARE LISTED TO PROVIDE A BASIS OF DESIGN AND MINIMUM QUALITY AND FLOW REQUIREMENTS. COMPARABLE PRODUCTS, MEETING ALL REQUIREMENTS MAYBE SUBMITTED FOR CONSIDERATION.

2. P-1: WATER CLOSET - WALL HUNG
   A. WATER CLOSET: MODEL NUMBER "3351.101" MANUFACTURED BY AMERICAN STANDARD. FIXTURE SHALL BE WALL MOUNTED WITH ALL WHITE VITREOUS CHINA CONSTRUCTION, 1.1 GPF, ELONGATED BOWL, 1-1/2" TOP SPUD DIRECT FED SIPHON JET. WATER CLOSET SHALL BE ADA COMPLIANT.
   B. FLUSH VALVE: MODEL NUMBER "6047.111.002" MANUFACTURED BY AMERICAN STANDARD. MANUAL TOILET FLUSH VALVE SHALL HAVE SELF-CLEANING BRASS PISTON VALVE WITH INTEGRAL WIPER SPRING IN REFILL ORIFICE TO PREVENT CLOGGING. VALVE SHALL REMAIN CLOSED AND SHALL NOT NEED TO BE RESET AFTER LOSS OF WATER PRESSURE. INCLUDES CAST BRASS VALVE BODY AND COVER WITH CHROME FINISH AND VANDAL RESISTANT STOP CAP. INCLUDES SWEAT SOLDER KIT WITH WALL FLANGE AND COVER TUBE. HIGH BACK PRESSURE VACUUM BREAKER AND ANGLE STOP WITH BACK-FLOW PROTECTION AND VACUUM BREAKER INCLUDED. FLOW RATE: 1.1 GPF.
   C. WALL CARRIER (BACK-TO-BACK APPLICATIONS): MODEL NUMBER "1201-ND4-XH" MANUFACTURED BY ZURN. HORIZONTAL SIPHON JET WATER CLOSET CARRIER SYSTEM, WITH COATED CAST IRON MAIN FITTING WITH HYDRO-MECHANICALLY OPTIMIZED SWEEP, 4" NO-HUB CONNECTIONS, AND EXTENDED 2" VENT. CORROSION RESISTANT, ADJUSTABLE 3" DIAMETER X 6" COUPLINGS WITH INTEGRAL TEST CAPS, DESIGNED TO INCREASE FLOW VELOCITY AND LINE CARRY, AND LABOR SAVING "NEO-SEAL" BONDED GASKETS OPTIMIZE FLOW PERFORMANCE WHILE REDUCING INSTALLATION STEPS. COMPLETE SYSTEM INCLUDES ADJUSTABLE, GASKETED FACEPLATES; FLOOR MOUNTED FOOT SUPPORTS; EXTRA-HEAVY-DUTY 1/2" REAR ANCHOR TIE DOWNS; FIXTURE BOLTS, TRIM, AND STUD PROTECTORS. EZCARRY® XH SYSTEM COMPLIES WITH ALL APPLICABLE REQUIREMENTS OF ASME A112.6.1M UP TO A 750 LBS MAXIMUM STATIC LOAD. BOLT TO THE FLOOR FOR A PERMANENT INSTALLATION.
   D. WALL CARRIER (SINGLE APPLICATIONS): MODEL NUMBER "Z1201-H_4" MANUFACTURED BY ZURN. HORIZONTAL SIPHON JET WATER CLOSET CARRIER SYSTEM WITH WATERWAY AND 4" HUB AND SPIGOT CONNECTIONS. SYSTEM SHALL INCLUDE CATED CAST IRON MAIN FITTING WITH HYDRO-MECHANICALLY OPTIMIZED SWEEP AND EXTENDED 2" VENT, ADJUSTABLE GASKETED FACEPLATE, FLOOR MOUNTED PRE-FAB SLOTTED FOOT SUPPORTS WITH TOP ANCHORING PRE-FAB SUPPORT BASE, 1/2" REAR ANCHOR TIE DOWN, FIXTURE BOLTS, TRIM, STUD PROTECTORS, BONDED SEAL GASKET, AND CORROSION RESISTANT, ADJUSTABLE 3" DIAMETER X 6" COUPLING WITH INTEGRAL TEST CAP DESIGNED TO INCREASE FLOW VELOCITY AND LINE CARRY. WALL CARRIER SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF ASME A112.6.1M UP TO A 500 POUND STATIC LOAD RATING.
   E. SEAT: MODEL NUMBER "5905.110" MANUFACTURED BY AMERICAN STANDARD. WHITE, OPEN FRONT, ELONGATED SEAT WITH SURFACE TO PROTECT AGAINST BACTERIA, GERMS AND VIRUSES.
   F. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.

3. P-1A: WATER CLOSET - WALL HUNG - ADA
   A. SAME AS P-1. INSTALLATION OF WATER CLOSET AND FLUSH VALVE SHALL BE ADA.

4. P-2: URINAL - WALL MOUNTED
   A. URINAL: MODEL NUMBER "6590.001" MANUFACTURED BY AMERICAN STANDARD. ALL WHITE VITREOUS CHINA CONSTRUCTION, 0.125 GPF, FLUSHING RIM, ELONGATED 14" RIM FROM FINISHED WALL, WASHOUT FLUSH ACTION, 3/4" INLET TOP SPUD, 2" THREADED OUTLET CONNECTION, 2 WALL HANGERS, STRAINER AND ADA COMPLIANT.
   B. FLUSH VALVE: MODEL NUMBER "6045013.002" MANUFACTURED BY AMERICAN STANDARD. MANUAL URINAL FLUSH VALVE WITH SELF-CLEANING BRASS PISTON VALVE WITH INTEGRAL WIPER SPRING IN BYPASS ORIFICE TO PREVENT CLOGGING. VALVE REMAINS CLOSED AND DOES NOT NEED TO BE RESET AFTER LOSS OF WATER PRESSURE. INCLUDES CAST BRASS VALVE BODY AND COVER WITH CHROME FINISH AND VANDAL RESISTANT STOP CAP. INCLUDES SWEAT SOLDER KIT WITH WALL FLANGE AND COVER TUBE. ANGLE STOP WITH BACK-FLOW PROTECTION AND VACUUM BREAKER INCLUDED. VALVE SHALL HAVE 0.125 GPF AND SHALL BE ADA COMPLIANT.
   C. WALL CARRIER: MODEL NUMBER "Z1222" MANUFACTURED BY ZURN. WALL URINAL SUPPORT SYSTEM, COMPLETE WITH COATED CARBON STRUCTURAL STEEL RECTANGULAR TUBING UPRIGHTS, CONFORMING TO ASTM A500 GRADE C, WITH WELDED BASE FEET HAVING SLOTTED ANCHOR HOLES. LOWER BEARING PLATE SHALL BE VERTICALLY ADJUSTABLE WITH SLOT TO ACCOMMODATE BEARING JACK PLACEMENT. UPPER UNIVERSAL HANGER PLATE SHALL BE DESIGNED FOR VARIOUS HARDWARE AND FIXTURES. WALL CARRIER SHALL INCLUDE MOUNTING FASTENERS AND HARDWARE. CARRIER SYSTEM SHALL EXCEED LOAD AND DEFLECTION REQUIREMENTS OUTLINED IN ASME STANDARD A112.6.1M. BOLT WALL CARRIER TO THE FLOOR FOR A PERMANENT INSTALLATION.
   D. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.

5. P-2A: URINAL - WALL MOUNTED - ADA
   A. SAME AS P-3. INSTALLATION OF URINAL AND FLUSH VALVE SHALL BE ADA.

6. P-3: LAVATORY - WALL HUNG
   A. LAVATORY: MODEL NUMBER "0355.012" MANUFACTURED BY AMERICAN STANDARD. LAVATORY SHALL HAVE ALL WHITE, VITREOUS CHINA CONSTRUCTION, FRONT OVERFLOW, D-SHAPED BOWL, SELF-DRAINING DECK WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FAUCET LEDGE, ADA COMPLIANT, 3 HOLES WITH FAUCET HOLES ON 3" CENTERS AND CONCEALED ARMS SUPPORT.
   B. FAUCET: SELECTRONIC INTEGRATED TOUCHLESS WITH ABOVE DECK MIXING WITH REMOVABLE MIXING HANDLE, 0.35 GPM, HARD WIRED WITH AC TRANSFORMERS AND ALL REQUIRED POWER KITS. AMERICAN STANDARD MODEL NUMBER "7758.203" OR APPROVED EQUAL.
   C. THERMOSTATIC MIXING VALVE: MODEL NUMBER "LFMMV" MANUFACTURED BY WATTS. THERMOSTATIC MIXING VALVE SHALL BE INSTALLED ON THE HOT WATER SUPPLY TO FIXTURE. THE VALVE SHALL BE ASSE 1017, ASSE 1069, ASSE 1070 AND IAPMO CUPC LISTED. IT SHALL HAVE A LEAD FREE CAST COPPER SILICON ALLOY BODY. LEAD FREE THERMOSTATIC VALVE SHALL COMPLY WITH STATE CODES AND STANDARDS, REQUIRING REDUCED LEAD CONTENT. THE VALVE SHALL INCLUDE INTEGRAL FILTER WASHERS AND CHECK VALVES AND AN ADJUSTMENT CAP WITH LOCKING FEATURE. THE VALVE SHALL BE PROVIDED WITH SOLDER CONNECTIONS.
   D. WALL CARRIER: MODEL NUMBER "Z1231" MANUFACTURED BY ZURN. LAVATORY SUPPORT SYSTEM WITH CONCEALED ARMS. COMPLETE WITH COATED RECTANGULAR STEEL UPRIGHTS WITH WELDED FEET, CAST IRON ADJUSTABLE HEADERS, CONCEALED ARMS, STEEL SLEEVES, ALIGNMENT TRUSS, AND MOUNTING FASTENERS. BOLT WALL CARRIER TO THE FLOOR FOR A PERMANENT INSTALLATION.
   E. SUPPLIES: 3/8" CHROME-PLATED WITH STOPS.
   F. DRAIN: MODEL NUMBER "J-115-FS" MANUFACTURED BY JUST MANUFACTURING.

7. P-3A: LAVATORY - WALL HUNG - ADA
   A. SAME AS P-3. INSTALLATION OF LAVATORY SHALL BE ADA.
   B. ADA INSULATION COVERS: MODEL NUMBER "LAVGUARDZ" MANUFACTURED BY IPS CORPORATION.
   C. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.

8. P-4: SHOWER
   A. SHOWER PAN AND WALL TILING ARE SPECIFIED UNDER THE ARCHITECTURAL DIVISION.
   B. SHOWER TRIM: MODEL NUMBER "T8375EP15CBN" MANUFACTURED BY MOEN. TRIM SHALL INCLUDE SHOWER HEAD, PRESSURE BALANCING VALVE AND WALL MOUNTED LEVER. METAL AND BRASS CONSTRUCTION WITH CLASSIC BRUSHED NICKEL (CBN) FINISH, SHOWER ARM SHALL HAVE 1/2" IPS MALE THREADS, TRIM SHALL BE SUPPLIED WITH VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH TEMPERATURE INDICATORS ON THE ESCUTCHEON, HANDLE OPERATES COUNTERCLOCKWISE THROUGH A 270° ARC WITH OFF AT 6 O'CLOCK, AND MAXIMUM HOT AT THE 9 O'CLOCK POSITION, SHUT-OFF IN CLOCKWISE DIRECTION, ADJUSTABLE TEMPERATURE LIMIT STOP TO RESTRICT THE HANDLE TRAVEL IN THE HOT DIRECTION, PRESSURE BALANCING VALVE MECHANISM MAINTAINS SELECTED DISCHARGE TEMPERATURE TO ± 2F°
   C. SHOWER DRAIN: MODEL NUMBER "Z415-BZ1" MANUFACTURED BY ZURN. FLOOR AND SHOWER DRAIN, COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND TOP ASSEMBLY. SHOWER DRAIN SHALL BE ENGINEERED TO SIMPLIFY PRODUCT INSTALLATION, COMPRISED OF CONCRETE SHIELD, UP TO 1" OF VERTICAL POST POUR ADJUSTMENT, PRE-PACKAGED SHIMS FOR TILT CORRECTION AND INTEGRATED, SELF-CONTAINED "TYPE B" LIGHT DUTY, HEEL PROOF STRAINER WITH ROUGH-IN COVER FOR PROTECTION DURING CONCRETE POUR.
   D. PROVIDE DEEP SEAL TRAP AND ALL OTHER MISCELLANEOUS APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION.
   E. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.

9. P-4A: SHOWER - ADA
   A. SHOWER PAN AND WALL TILING ARE SPECIFIED UNDER THE ARCHITECTURAL DIVISION.
   B. SHOWER TRIM: MODEL NUMBER "T8342EP15CBN" MANUFACTURED BY MOEN. TRIM SHALL INCLUDE SHOWER HEAD, HAND SHOWER, PRESSURE BALANCING VALVE AND 2 WALL MOUNTED LEVER. METAL CONSTRUCTION WITH CLASSIC BRUSHED NICKEL (CBN) FINISH, PRESSURE BALANCING CYCLE VALVE DESIGN WITH 1/4 TURN STOPS, 3 FUNCTION TRANSFER VALVE AND 1/2" CC CONNECTIONS. TRIM SHALL INCLUDE: STATIONARY SHOWERHEAD, HAND-HELD SHOWER WITH NON-POSITIVE PAUSE, 69" METAL HOSE, 30" SLIDE BAR, DROP ELL AND VACUUM BREAKER. APPLICABLE COMPONENTS ARE SUPPLIED WITH VANDAL RESISTANT SCREWS. TEMPERATURE AND TRANSFER VALVES BOTH HAVE ADA COMPLIANT LEVER STYLE HANDLES, TEMPERATURE HANDLE OPERATES COUNTERCLOCKWISE THROUGH A 270° ARC WITH OFF AT 6 O'CLOCK, AND THE MAXIMUM HOT AT THE 9 O'CLOCK POSITION, ADJUSTABLE TEMPERATURE LIMIT STOP, PRESSURE BALANCING MECHANISM MAINTAINS SELECTED DISCHARGE TEMPERATURE TO ± 2°F AND TRANSFER VALVE TO OPERATE 3 DISTINCT FUNCTIONS. TRIM SHALL BE ADA COMPLIANT.
   C. SHOWER DRAIN: MODEL NUMBER "Z415-BZ1" MANUFACTURED BY ZURN. FLOOR AND SHOWER DRAIN, COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND TOP ASSEMBLY. SHOWER DRAIN SHALL BE ENGINEERED TO SIMPLIFY PRODUCT INSTALLATION, COMPRISED OF CONCRETE SHIELD, UP TO 1" OF VERTICAL POST POUR ADJUSTMENT, PRE-PACKAGED SHIMS FOR TILT CORRECTION AND INTEGRATED, SELF-CONTAINED "TYPE B" LIGHT DUTY, HEEL PROOF STRAINER WITH ROUGH-IN COVER FOR PROTECTION DURING CONCRETE POUR.
   D. PROVIDE DEEP SEAL TRAP AND ALL OTHER MISCELLANEOUS APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION.
   E. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.

10. P-4B: OUTDOOR SHOWER - ADA
    A. SHOWER HEAD: MODEL NUMBER "061011A" MANUFACTURED BY DELTA. CAST BRASS SHOWER HEAD, POLISH CHROME-PLATED FINISH, 30° SPRAY ANGLE FROM WALL, CONCEALED CAST BRASS MOUNTING PLATE, VANDAL RESISTANT FRONT MOUNTING SCREWS, 1/2" COPPER SWEAT INLET AND 1.5 GALLONS PER MINUTE MAXIMUM FLOW AT 80 PSI.
    B. SHOWER VALVE AND TRIM: MODEL NUMBER "4-422" MANUFACTURED BY SYMMONS. MANUAL SHOWER OFF LIMITER VALVE WITH PUSH BUTTON, VALVE BODY WITH BRASS CONSTRUCTION, INTEGRAL SERVICE STROP FOR SHUTTING OFF WATER WHEN SERVICING CARTRIDGE, 1/2" SWEAT CONNECTIONS, VANDAL RESISTANT FASTENERS (RECESSED HEX SOCKET TYPE) AND POLISHED CHROME FINISH.
    C. FLOOR DRAIN: MODEL NUMBER "ZN415B-P-VP" MANUFACTURED BY ZURN. FLOOR DRAIN WITH COATED CAST IRON BODY, BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND "TYPE B" POLISHED NICKEL BRONZE, LIGHT-DUTY HEEL PROOF STRAINER. UNIT SHALL BE PROVIDED WITH 3/4" TRAP PRIMER CONNECTION AND VANDAL-PROOF SECURED TOP.
    D. BACKWATER VALVE: MODEL NUMBER "Z1088" MANUFACTURED BY ZURN. GATE TYPE BACKWATER VALVE, COATED CAST IRON BODY CONSTRUCTION, FLAPPER TYPE BACKWATER VALVE WITH O-RING ADJACENT TO INLET AND SPADE TYPE BRONZE GATE VALVE WITH O-RING SEAT INSERT ADJACENT TO OUTLET CONTROLLED AT FLOOR LEVEL BY COVERED HANDLE ENGAGING BRONZE NON-RISING STEM. PROVIDE EXTENSION AND FLOOR CAP.
    E. DEEP SEAL TRAP: MODEL NUMBER "Z1000" MANUFACTURED BY ZURN. TRAP SHALL HAVE COATED CAST IRON BODY CONSTRUCTION.
    F. MOUNT FOR ADA COMPLIANCE. REFER TO ARCHITECTURAL DRAWINGS.

11. P-5: KITCHEN SINK - UNDER MOUNT
    A. SINK: MODEL NUMBER "ELUH2317PD" MANUFACTURED BY ELKAY. STAINLESS STEEL 25-1/2" X 19-1/4" X 8", SINGLE BOWL UNDERMOUNT SINK WITH DRAIN. SINK SHALL BE MANUFACTURED FROM 18 GAUGE 304 STAINLESS STEEL WITH A LUSTROUS SATIN FINISH, REAR CENTER DRAIN PLACEMENT, AND SIDES AND BOTTOM PADS.
    B. FAUCET: MODEL NUMBER "4175.500.F15" MANUFACTURED BY AMERICAN STANDARD. SINGLE CONTROL KITCHEN FAUCET SHALL FEATURE CAST BRASS WATERWAY. FAUCET SHALL HAVE WASHER LESS 40MM CERAMIC DISC VALVE CARTRIDGE. CAST BRASS SWIVEL SPOUT. FAUCET SHALL BE ADA COMPLIANT WITH A FLOW RATE OF 1.5 GPM.
    C. DRAIN: MODEL NUMBER "LK99" MANUFACTURED BY ELKAY. 3-1/2" TYPE 304 STAINLESS STEEL BODY DRAIN WITH TAIL-PIECE. DRAIN SHALL INCLUDE REMOVABLE BASKET STRAINER WITH RUBBER SEAL.
    D. DRAIN PIPING: NPS 1-1/2" CHROME-PLATED, CAST-BRASS P-TRAP, 0.045-INCH-THICK TUBULAR BRASS WASTE TO WALL; AND WALL ESCUTCHEON.
    E. SUPPLIES: 3/8" CHROME-PLATED WITH STOPS.
    F. COORDINATE INSTALLATION OF SINK WITH COUNTERTOP MANUFACTURER.

12. P-6: ELECTRIC WATER COOLER WITH BOTTLE FILLER - BI-LEVEL - ADA
    A. ELECTRIC WATER COOLER: MODEL NUMBER "VRCTL8WSK" MANUFACTURED BY ELKAY. VANDAL-RESISTANT BOTTLE FILLING STATION, & BI-LEVEL COOLER, NON-FILTERED REFRIGERATED STAINLESS. CHILLING CAPACITY OF 8. GPH (GALLONS PER HOUR) OF 50° F DRINKING WATER, BASED ON 80° F INLET WATER AND 90° F AMBIENT, PER ASHRAE 18 TESTING. UNIT SHALL INCLUDE, LAMINAR FLOW, REAL DRAIN, VANDAL RESISTANT. FURNISHED WITH VANDAL RESISTANT BUBBLER. ELECTRONIC BOTTLE FILLER BUTTON WITH MECHANICAL FRONT BUBBLER BUTTON ACTIVATION. PRODUCT SHALL BE WALL MOUNT (ON WALL), FOR INDOOR APPLICATIONS, SERVING 2 STATION(S).UNIT SHALL BE CERTIFIED TO UL 399 AND CAN/CSA C22.2 NO. 120. UNIT CERTIFIED TO NSF/ANSI 61 & 372 (LEAD) AND MEETS FEDERAL AND STATE LOW-LEAD REQUIREMENTS. UNIT SHALL BE ADA COMPLIANT.
    B. WALL CARRIER: MODEL NUMBER "17560-WCBL" MANUFACTURED BY JOSAM. FLOOR MOUNTED BI-LEVEL WATER COOLER CARRIER WITH HANGER AND BEARING PLATES, ADJUSTABLE SUPPORT RODS, STRUCTURAL UPRIGHTS, WELDED FEET AND CHROME-PLATED TRIM. BOLT WALL CARRIER TO THE FLOOR FOR A PERMANENT INSTALLATION.
    C. SUPPLIES: 3/8" CHROME-PLATED WITH STOPS.
    D. DRAIN: MODEL NUMBER "J-115-FS" MANUFACTURED BY JUST MANUFACTURING.

13. P-7: MOP SINK
    A. MOP SINK: MODEL NUMBER "TSB100" MANUFACTURED BY FIAT. ONE PIECE, PRECAST TERRAZZO MADE OF BLACK AND WHITE MARBLE CHIPS IN GRAY PORTLAND CEMENT TO PRODUCE A COMPRESSIVE STRENGTH NOT LESS THAN 3000 P.S.I. SEVEN DAYS AFTER CASTING. TERRAZZO SURFACE SHALL BE GROUND AND POLISHED WITH ALL AIR HOLES OR PITS GROUTED AND EXCESS REMOVED. SHOULDERS SHALL BE NOT LESS THAN 12" HIGH OUTSIDE AND 10" INSIDE AT LOWEST WALL. SHOULDER WIDTH NOT LESS THAN 2" ON ALL SIDES WITH A 1/4" PITCH TOWARDS THE INSIDE. DRAIN BODY SHALL BE STAINLESS STEEL CAST INTEGRALLY AND SHALL PROVIDE FOR A CAULKED LEAD CONNECTION NOT LESS THAN 1" DEEP TO A 3" PIPE. MOP SINK SHALL INCLUDE STAINLESS STEEL STRAINER.
    B. FAUCET: MODEL NUMBER "830-AA" MANUFACTURED BY FIAT. CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT. BODY INLETS 8" CENTER TO CENTER, FOUR ARM HANDLES. VALVES CONTAIN RENEWABLE HUB, RENEWABLE SEATS, SWIVEL DISCS, ENCASED WASHERS AND BRASS WASHER SCREWS.
    C. MOP SERVICE BASIN FITTING: MODEL NUMBER "830AA" MANUFACTURED BY FIAT.
    D. HOSE AND HOSE BRACKET: MODEL NUMBER "832AA: MANUFACTURED BY FIAT.
    E. ALUMINUM BUMPER GUARD WITH VINYL INSERT: MODEL NUMBER "1239BB" MANUFACTURED BY FIAT.
    F. STAINLESS STEEL WALL GUARDS: MODEL NUMBER "MSG" MANUFACTURED BY FIAT.

14. P-8: EMERGENCY SHOWER AND EYE / FACE WASH
    A. EMERGENCY SHOWER AND EYE/FACE WASH: MODEL NUMBER "8300-8309 CRP" MANUFACTURED BY HAWS. COMBINATION SHOWER AND EYE/FACE WASH SHALL INCLUDE A STAINLESS STEEL 11" ROUND BOWL, AN EYE/FACE WASH HEAD WITH INVERTED DIRECTIONAL LAMINAR FLOW WHICH ACHIEVES ZERO VERTICAL VELOCITY SUPPLIED BY AN INTEGRAL 3.7 GALLONS PER MINUTE FLOW CONTROL. UNIT SHALL ALSO INCLUDE THE HYDRODYNAMIC DESIGNED ABS PLASTIC SHOWERHEAD WITH 20 GALLONS PER MINUTE FLOW CONTROL, CHROME-PLATED BRASS STAY-OPEN BALL VALVE EQUIPPED WITH STAINLESS STEEL BALL AND STEM, AND CHROME-PLATED BRASS IN-LINE 50 x 50 MESH WATER STRAINER. UNIT SHALL ALSO INCLUDE SCHEDULE 40 HOT-DIPPED GALVANIZED STEEL PIPE AND FITTINGS, POWDER-COATED CAST-IRON 9" DIAMETER FLOOR FLANGE, SELF-ADHESIVE HIGH VISIBILITY SAFETY GREEN AND BRIGHT YELLOW STRIPES, UNIVERSAL SIGN AND 1-1/4" NPT SUPPLY. EMERGENCY SHOWER AND EYE/FACE WASH SHALL BE ANSI/ISEA Z538.1 CERTIFIED.
    B. SCALD PROTECTION BLEED VALVE: MODEL NUMBER "SP157A" MANUFACTURED BY HAWS. STAINLESS-STEEL SCALD PROTECTION BLEED VALVE. AUTOMATIC THERMAL ACTUATOR BLEED VALVE OPENS WHEN INTERNAL WATER TEMPERATURE REACHES 98° F AND CLOSES AT 95° F.
    C. THERMOSTATIC MIXING VALVE: MODEL NUMBER "9201E AXION" MANUFACTURED BY HAWS. EMERGENCY TEMPERING VALVE THERMOSTATICALLY MIXES HOT AND COLD WATER TO PROVIDE A SAFE FLUID SUPPLY FOR EMERGENCY SHOWERS AND EYEWASH EQUIPMENT, WITH A FLOW RATE OF 31 GPM. MIXING VALVE SHALL INCLUDE BYPASS, POSITIVE SHUT-OFF, AND MIXING CHAMBER. VALVE SHALL BE CERTIFIED TO ASSE 1071, ANSI Z358.1, AND CSA B125.3.
    D. DUST COVER: MODEL NUMBER "9102" MANUFACTURED BY HAWS. DUST COVER SHALL BE A STAINLESS-STEEL COVER THAT PROTECTS THE EYEWASH HEADS AS WELL AS THE BOWL.

15. FD-1 AND FD-2: FLOOR DRAIN
    A. FLOOR DRAIN: MODEL NUMBER "ZN415B-P-VP" MANUFACTURED BY ZURN. FLOOR DRAIN WITH COATED CAST IRON BODY, BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND "TYPE B" POLISHED NICKEL BRONZE, LIGHT-DUTY HEEL PROOF STRAINER. UNIT SHALL BE PROVIDED WITH 3/4" TRAP PRIMER CONNECTION AND VANDAL-PROOF SECURED TOP.
    B. DEEP SEAL TRAP: MODEL NUMBER "Z1000" MANUFACTURED BY ZURN. COATED CAST IRON BODY CONSTRUCTION WITH BOTTOM BRONZE CLEANOUT PLUG AND 1/2" TRAP PRIMER CONNECTION.
    C. TRAP PRIMER: MODEL NUMBER "P1-500" MANUFACTURED BY PRECISION PLUMBING PRODUCTS, INC. INSTALL PER MANUFACTURER'S REQUIREMENTS. EXTEND 1/2"-PIPE FROM POINT OF DOMESTIC WATER CONNECTION TO FLOOR DRAIN. FLOOR IS SLAB ON GRADE. PROVIDE CALL REQUIRED CONCRETE FLOOR CUTTING, DIGGING, TRENCHING, SHORING, BACKFILLING, AND CONCRETE PATCH WORK.
    D. PROVIDE ALL REQUIRED MISCELLANEOUS APPURTENANCES FOR A COMPLETE INSTALLATION.

16. OSD: OPEN SITE DRAIN
    A. OPEN SITE DRAIN: MODEL NUMBER "Z1721" MANUFACTURED BY ZURN. OPEN SITE DRAIN WITH TYPE 304 (CF8) STAINLESS STEEL BODY AND INTEGRAL ALUMINUM BOTTOM DOME STRAINER, ALL WITH PLAIN FINISH.

17. WH-1: WALL HYDRANT
    A. WALL HYDRANT: MODEL NUMBER "68" MANUFACTURED BY WOODFORD. WALL HYDRANT SHALL BE ASSE 1052 AND 1053 COMPLIANT, FREEZE PROOF LOCKING HEAD COVER, AUTOMATIC DRAINING WITH DOUBLE CHECK INLET, HARDENED STAINLESS STEEL OPERATING STEAM, OPEN PIECE VALVE PLUMBER AND LOOSE KEY OPERATION. PROVIDE THE OWNER WITH THREE (3) COPIES OF THE LOOSE KEY PER WALL HYDRANT INSTALLED.

PLUMBING FIXTURE CONNECTION SCHEDULE

DESIGNATION	DESCRIPTION	CONNECTION SIZE (INCH)					MAXIMUM FLOW RATE
		COLD WATER	HOT WATER	SANITARY	STORM WATER	SANITARY VENT	
P-1	WATER CLOSET - WALL HUNG	1-1/4	-	4		2	1.1 GPF
P-1A	WATER CLOSET - WALL HUNG - ADA	1-1/4	-	4		2	1.1 GPF
P-2	URINAL	1	-	2		2	0.125 GPF
P-2A	URINAL - ADA	1	-	2		2	0.125 GPF
P-3	LAVATORY - WALL MOUNTED	1/2	1/2	2		1-1/2	0.5 GPM
P-3A	LAVATORY - WALL MOUNTED - ADA	1/2	1/2	2		1-1/2	0.5 GPM
P-4	SHOWER	1/2	1/2	2	-	1-1/2	1.5 GPM
P-4A	SHOWER - ADA	1/2	1/2	2	-	1-1/2	1.5 GPM
P-4B	OUTDOOR SHOWER - ADA	1/2	1/2	2	-	1-1/2	1.5 GPM
P-5	KITCHEN SINK - UNDERMOUNT	1/2	1/2	2	-	1-1/2	1.5 GPM
P-6	ELECTRIC WATER COOLER - BI-LEVEL - BOTTLE FILLER - ADA	1/2	-	2	-	1-1/2	-
P-7	MOP SINK	3/4	3/4	3	-	2	
P-8	EYEWASH	1	1	-	-	-	-
FD-1	FLOOR DRAIN	-	-	3	-	1-1/2	-
FD-2	FLOOR DRAIN	-	-	5	-	2-12	-
OSD	OPEN SITE DRAIN	-	-	-	3	-	-
WH	WALL HYDRANT	3/4	-	-	-	-	-

KEY PLAN:

BID SET

MIN ENGINEERING, INC.
10 SUDBROOK LN
PIKESVILLE, MARYLAND 21208, 410-486-4692

Seal:

GWWO INC.
www.gwwoinc.com

Seal:

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF
RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale		BE	Checked
Date	02/19/2026	SM	Approved
Drawing Title	PLUMBING SCHEDULES	Drawing Number	P602
Sheet	53	68	Of

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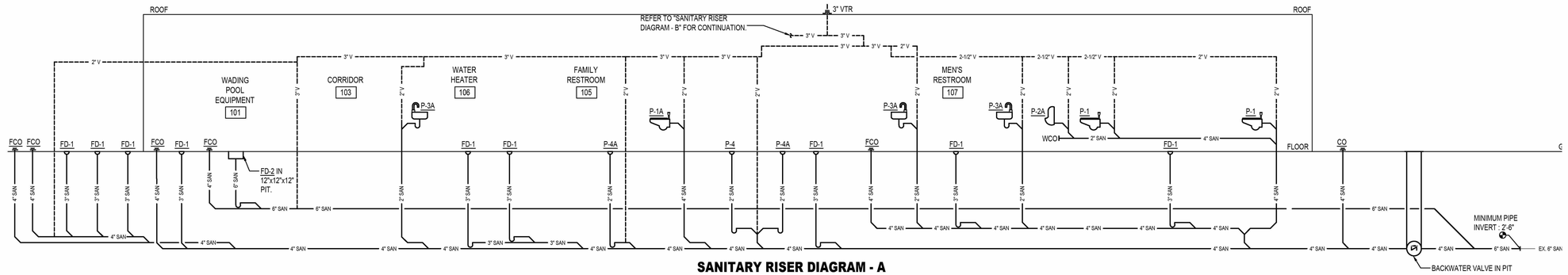
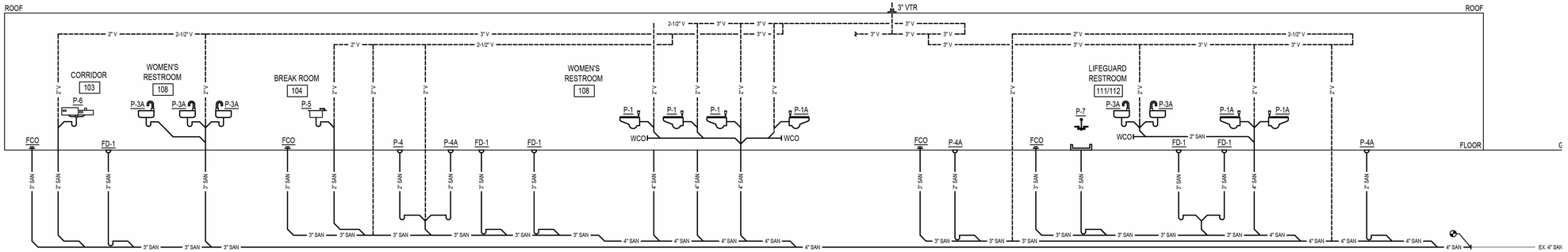


SANITARY RISER DIAGRAM - A

NOT TO SCALE



SANITARY RISER DIAGRAM - B

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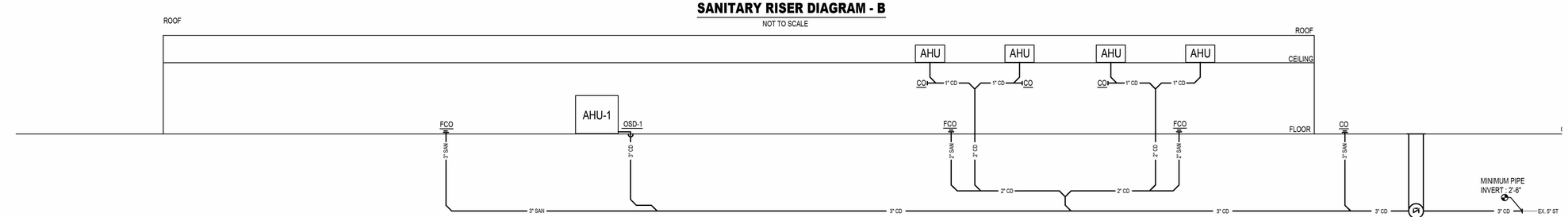

STORM RISER DIAGRAM

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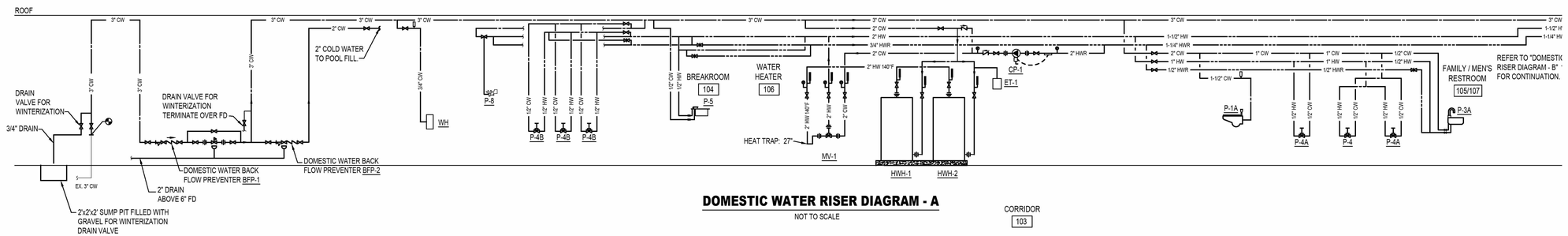

DOMESTIC WATER RISER DIAGRAM - A

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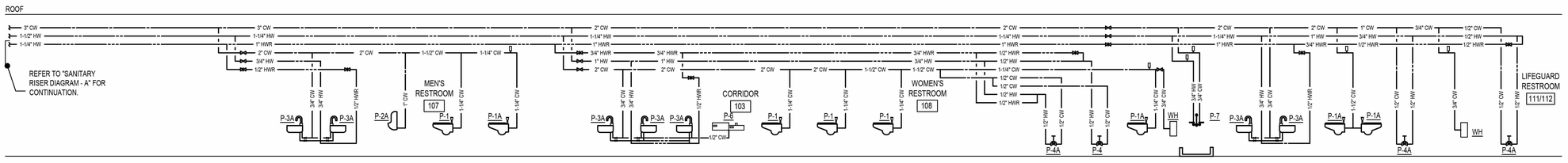

DOMESTIC WATER RISER DIAGRAM - B

NOT TO SCALE

KEY PLAN:

BID SET

MIN ENGINEERING, INC.
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PIKESVILLE, MARYLAND 21208, 410-486-4692

GWWO INC.
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Seal:

Seal:

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	GK	Drawn
Scale		BE	Checked
Date	02/19/2026	SM	Approved

Drawing Title: PLUMBING RISER DIAGRAMS

Drawing Number: P701

Sheet 54 68 Of

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GENERAL ELECTRICAL NOTES FOR ALL WORKS:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE FEDERAL/STATE/LOCAL CODES, INTERNATIONAL BUILDING CODE 2015, NFPA CODES, NEC 2014 AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
2. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. FURNISH AND INSTALL ALL REQUIRED JUNCTION BOXES, PULL BOXES, SURFACE/RECESSED DEVICE BOXES, FITTINGS, CONDUIT BODIES, SUPPORTS, ACCESS DOORS, HARDWARE, ACCESSORIES, LIGHTING CONTROL DEVICES, INTERCOM DEVICES/EQUIPMENT, FIRE ALARM DEVICES, CABLES, WRINGS, CONDUITS, CONTROL DEVICES/EQUIPMENT, ETC. REQUIRED FOR A COMPLETE AND WORKING ELECTRICAL SYSTEM, WHETHER OR NOT SUCH EQUIPMENT IS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS.
3. ELECTRICAL SUBCONTRACTOR SHALL PERFORM SITE VISITS AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE PLANS, SPECIFICATIONS AND FIELD CONDITIONS, BEFORE SUBMITTING A BID OR BEFORE SUBMITTING A PRICE PROPOSAL. FIELD VERIFY ALL IMPORTANT DIMENSIONS.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONTRACTORS AND ALL OTHER TRADES BEFORE INSTALLATION OF HIS WORK IN CHASES, CEILING SPACES AND OTHER AREAS WHERE CONFLICT MAY OCCUR.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL CONTRACT DOCUMENTS, SHOP DRAWINGS AND EQUIPMENT DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL OBTAIN A COPY OF ALL CONTRACT DOCUMENTS, INCLUDING ALL DRAWINGS AND ALL SPECIFICATIONS.
6. ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, AND SHALL PAY ALL FEES RELATIVE TO THE INSTALLATION OF HIS WORK.
7. PROVIDE ALL EQUIPMENT, COMPONENTS AND DEVICES SHOWN ON THE POWER RISER DIAGRAMS, POWER ONE-LINE DIAGRAMS, BLOCK DIAGRAMS, AND SPECIAL SYSTEMS RISER OR BLOCK DIAGRAMS, AND SPECIFICATIONS AND OTHER DISCIPLINES DRAWINGS (T SERIES DRAWINGS) WHETHER OR NOT SUCH EQUIPMENT, COMPONENTS AND DEVICES ARE INDICATED ON THE FLOOR PLANS FOR COMPLETE AND FULLY OPERATIONAL ALL SYSTEMS.
8. THE ELECTRICAL CONTRACTOR SHALL PERFORM ALL CORE-DRILLING, CUTTING, DIGGING OR TRENCHING REQUIRED FOR THE ELECTRICAL INSTALLATION UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR SUBJECT TO THE DIRECTION AND APPROVAL OF THE OWNER'S REPRESENTATIVE. DO NOT ENDANGER THE STABILITY OF THE STRUCTURE OR ANY PART THEREOF.
9. THE ELECTRICAL CONTRACTOR SHALL EXTEND WIRING AND CONDUIT TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. BEFORE "ROUGH-IN" OF OUTLETS, THE LOCATION AND TYPE OF CONNECTIONS/OUTLET SHALL BE VERIFIED FROM SHOP DRAWINGS OF THE EQUIPMENT.
10. WHERE JUNCTION BOXES OR ELECTRICAL EQUIPMENT ARE REQUIRED TO BE INSTALLED ABOVE NON-ACCESSIBLE CEILINGS OR CONCEALED INSIDE WALLS, THE ELECTRICAL SUBCONTRACTOR SHALL FURNISH AND INSTALL ACCESS DOORS TO MAKE THE JUNCTION BOXES OR ELECTRICAL EQUIPMENT ACCESSIBLE.
11. ALL ELECTRICAL EQUIPMENT SHALL BE UNDERWRITER'S LABORATORY (U.L.) LISTED AND LABELED. ALL EQUIPMENT SHALL BE NEW U.O.N.
12. EXACT LOCATION OF ALL EQUIPMENT AND ACCESSORIES SHALL BE VERIFIED IN THE FIELD AND COORDINATED WITH OTHER TRADES. ADJUST LOCATIONS TO SUIT FIELD CONDITIONS. COMPLY WITH CLEARANCES AS REQUIRED BY THE NEC, THE MANUFACTURER, AND APPLICABLE CODES.
13. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.
14. ELECTRICAL WIRING, CONDUIT AND CIRCUIT BREAKERS FOR ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT, ARCHITECTURAL EQUIPMENT, AND OTHER EQUIPMENT ARE BASED ON EQUIPMENT SPECIFIED IN THE CONTRACT DOCUMENTS. ANY CHANGES IN THE EQUIPMENT SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR PROVIDES EQUIPMENT OTHER THAN WHAT IS SPECIFIED IN THE CONTRACT DOCUMENTS, AND CHANGES ARE REQUIRED IN THE WIRING, CONDUIT AND CIRCUIT BREAKERS, THEN HE SHALL PROVIDE THE REQUIRED WIRING, CONDUIT AND CIRCUIT BREAKERS AT NO ADDITIONAL COST.
15. COMPLY WITH ALL SAFETY REGULATIONS INCLUDING BUT NOT LIMITED TO OSHA, MOSHA AND ALL ELECTRICAL SAFETY REGULATIONS.
16. UNLESS OTHERWISE NOTED AS "EXISTING" OR "BY OTHERS" OR "NIC", ALL WORK, DEVICES AND EQUIPMENT ARE NEW AND SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL SUBCONTRACTOR.
17. WHERE THE WORD "PROVIDE" IS USED, THIS SHALL MEAN "FURNISH AND INSTALL".
18. PROVIDE DEDICATED NEUTRAL WIRES FOR ALL BRANCH CIRCUITS.
19. CABLES AND RACEWAY SHALL RUN PARALLEL OR PERPENDICULAR TO WALL AND CEILING STRUCTURES (COLUMNS, JOISTS, SUPPORT BEAMS, ETC.) FOR A NEAT APPEARANCE.
20. PROVIDE FIRESTOPPING AROUND PENETRATIONS OF FLOORS AND FIRE RATED WALLS. MAINTAIN THE FIRE RESISTANCE RATING OF THE FLOORS AND WALLS. INSTALL UL LISTED FIRESTOPPING MATERIAL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, AND UL's REQUIREMENTS.
21. DO NOT COMBINE SEPARATE BRANCH CIRCUITS IN THE SAME CONDUIT UNLESS OTHERWISE NOTED.
22. DO NOT COMBINE SEPARATE FEEDER CIRCUITS IN THE SAME CONDUIT.
23. PROVIDE LABELS FOR ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, PANELS, STARTERS, DISCONNECTS, BREAKERS, MCCs, SWITCHBOARDS, SWITCHGEAR, AND TRANSFORMERS.
24. JUNCTION BOXES AND CONDUIT BODIES SHOWN ON THE DRAWING ARE MINIMUM QUANTITY ONLY. PROVIDE ADDITIONAL JUNCTION BOXES AND CONDUIT BODIES AS REQUIRED BY THE NEC OR AS RECOMMENDED BY THE WIRE OR CABLE MANUFACTURER. DO NOT EXCEED THE MAXIMUM PULLING TENSIONS OF THE WIRE OR CABLE. DO NOT EXCEED THE MAXIMUM NUMBER OF CONDUIT BENDS INDICATED IN THE NEC.
25. PROVIDE GROUNDING AND BONDING OF ALL METALLIC RACEWAY, JUNCTION/PULL BOXES, ENCLOSURES, TROUGH, WIREWAY, DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NEC.
26. INSTALL ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, UL'S REQUIREMENTS AND APPLICABLE CODES.
27. ELECTRICAL ENCLOSURES, WIREWAYS, TROUGHS, OR AUXILIARY GUTTERS LOCATED ABOVE OR BELOW WALL MOUNTED ELECTRICAL EQUIPMENT SHALL EXTEND NOT MORE THAN 6 INCHES BEYOND THE FRONT OF THE ELECTRICAL EQUIPMENT. PROVIDE METAL CHANNELS AS REQUIRED TO OFFSET THE ELECTRICAL EQUIPMENT FROM THE WALL IN ORDER TO MEET THIS REQUIREMENT. COMPLY WITH NEC REQUIREMENTS FOR ELECTRICAL EQUIPMENT WORKING SPACE.
28. CONNECTORS AND TERMINATIONS FOR CONDUCTORS SHALL BE COMPATIBLE WITH THE CONDUCTOR SIZE AND MATERIAL, AND SHALL BE UL LISTED AND NEC COMPLIANT.
29. WHERE THE SIZE OF A JUNCTION BOX, PULL BOX OR WIREWAY IS NOT INDICATED ON THE DRAWINGS, THE SIZE SHALL BE SELECTED IN ACCORDANCE WITH THE NEC. WHERE THE ENCLOSURE TYPE OF THE JUNCTION BOX, PULL BOX OR WIREWAY IS NOT INDICATED ON THE DRAWINGS, THE ENCLOSURE TYPE SHALL COMPLY WITH THE NEC, THE SPECIFICATIONS, AND APPLICABLE CODES. THE ENCLOSURE TYPE SHALL BE SUITABLE FOR THE ENVIRONMENT WHERE IT IS BEING INSTALLED.
30. PROVIDE INDEPENDENT FREESTANDING SUPPORTS FOR DEVICES AND EQUIPMENT AS REQUIRED.
31. ALL DEVICES AND EQUIPMENT SHALL BE UL LISTED AND SHALL BE INSTALLED AND USED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND CODE REQUIREMENTS. ALL EQUIPMENT SHALL BE SUITABLE FOR THE INTENDED USE AND LOCATION.
32. COORDINATE PUMP/MOTOR HORSEPOWER, NAMES AND LOCATIONS WITH THE MECHANICAL CONTRACTOR TO ENSURE THAT THE CORRECT VFDs ARE BEING PROVIDED TO THE PUMP MOTORS
33. ALL 120V, 15A/20A RECEPTACLES SHALL BE TAMPER RESISTANT.
34. EXTERIOR WIRING SHALL BE A MINIMUM OF #10.
35. NOT USED.
36. BEFORE SUBMITTING BIDS, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE SITE, ADJOINING SITES AND STRUCTURES, ANY EXISTING STRUCTURES OR BUILDINGS AND SPACES RELEVANT TO THEIR WORK. THE CONTRACTOR SHALL PROVIDE WRITTEN REPORT THAT DETAILS ANY CONDITIONS WHICH MIGHT PREVENT EQUIPMENT INSTALLATION IN THE MANNER SHOWN ON THE CONTRACT DOCUMENTS.
37. NO CONSIDERATION OR ALLOWANCE SHALL BE GIVEN FOR FAILURE TO VISIT THE SITE, NOR FOR ANY ALLEGED MISUNDERSTANDING OF THE MATERIALS TO BE FURNISHED AND INSTALLED PROPERLY.
38. THE EXACT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL SYSTEMS. PROVIDE WIRES AND CABLES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON THE PLANS OR NOT.
39. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS, WRITTEN SUBMITTALS, CUT SHEETS, CALCULATIONS AND EQUIPMENT LITERATURE FOR ALL EQUIPMENT BEING PROVIDED AS PART OF THIS SCOPE OF WORK. THE EXACT DEVICE OR PIECE OF EQUIPMENT MUST BE CLEARLY CALLED OUT FOR THE DESIGN TEAM TO REVIEW. SUBMITTALS WITHOUT THE PROPER INFORMATION HIGHLIGHTED SHALL BE REJECTED FOR RESUBMIT.
40. THE CONTRACTOR SHALL PROVIDE A COMPLETE PUNCHLIST OF ALL INSTALLED SYSTEMS TO THE CONSTRUCTION MANAGER WHEN THE INSTALLED WORK IS READY TO BE EXAMINED BY THE DESIGN INCOMPLETE SYSTEMS SHALL NOT BE REVIEWED UNTIL IT IS DETERMINED THAT THE SYSTEM ARE APPROXIMATELY AND APPROPRIATELY COMPLETE.
41. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE PATHWAYS INCLUDING, BUT NOT LIMITED TOO, CONDUITS, BOXES, JUNCTION BOXES, SLEEVES, CHASES, RACEWAYS, CABLE TRAYS AND J-HOOKS TO PROPERLY SUPPORT THE LOW VOLTAGE INFRASTRUCTURE IN ACCORDANCE WITH T SERIES DRAWINGS. SEE T SERIES DRAWINGS FOR THESE REQUIREMENTS AND COORDINATE WITH TELECOMMUNICATIONS/SECURITY/ACCESS SYSTEMS CONTRACTORS AND OTHER DISCIPLINES AS REQUIRED.
42. PROVIDE A COMPLETE TELECOM GROUNDING AND BONDING SYSTEM INCLUDING ALL TGBS, TMGBS, BONDING CONDUCTORS, LUGS, NUTS, CABLES AND CONNECTORS. BOND TO THE MAIN GROUNDING SYSTEM IN THE BUILDING IN ACCORDANCE WITH T SERIES DRAWINGS.
43. DISCONNECTS FOR HVAC UNITS TO BE LOCATED IN THE CEILING SPACES SHALL BE INSTALLED AT THE ACCESSIBLE LOCATIONS WITH LABELS.
44. ELECTRICAL CONTRACTOR SHALL STUDY THE COMPLETE SET OF DRAWINGS PRIOR TO ANY INSTALLATION.
45. COORDINATE WITH THE POOL CONSULTANT AND THE POOL CONTRACTOR FOR POOL REQUIREMENTS. CONTRACTOR SHALL REFER TO POOL DESIGN DRAWINGS AND PROVIDE ALL REQUIREMENTS INCLUDING BUT NOT LIMITED TO JUNCTION BOXES, CONDUITS, WIRES, LOW VOLTAGE TRANSFORMERS, DISCONNECTS SWITCHES ETC.
46. COORDINATE WITH AV SPECIFICATIONS AND AV CONTRACTOR FOR AV EQUIPMENT AND DEVICE REQUIREMENTS.
47. REFER TO AV SPECIFICATIONS FOR EXACT LOCATION , MOUNTING HEIGHT, AND QUANTITY OF AV EQUIPMENT AND DEVICES.
48. ELECTRICAL CONTRACTOR SHALL REFER AND STUDY AV DRAWINGS PRIOR TO ANY WORK AND PROVIDE ALL REQUIRED ACCESSORIES PER TA SERIES DRAWINGS.
49. PROVIDE A STEP UP OR A STEP DOWN TRANSFORMER FOR POOL EQUIPMENTS AS REQUIRED BY POOL EQUIPMENT DESIGN.
50. REFER TO ARCHITECTURAL DRAWINGS FOR ALL ELECTRICAL EQUIPMENT AND DEVICE MOUNTING HEIGHT AND MOUNTING LOCATION.
51. COORDINATE WITH MECHANICAL CONTRACTOR FOR MECHANICAL EQUIPMENT REQUIREMENTS.

GENERAL ELECTRICAL NOTES

1. FOR EXISTING EQUIPMENT TO BE REMOVED, REMOVE DISCONNECTS AND WIRING/CONDUIT ASSOCIATED WITH THE EQUIPMENT ALL THE WAY UP TO THE SOURCE PANEL, UNLESS OTHERWISE NOTED. WHERE THE WIRING/CONDUIT ASSOCIATED WITH THE EQUIPMENT ALSO FEEDS EXISTING EQUIPMENT TO REMAIN, ONLY THAT PORTION OF THE WIRING/CONDUIT THAT FEEDS THE EQUIPMENT TO REMAIN SHALL REMAIN. SEAL ALL OPENINGS IN THE CONDUIT, JUNCTION BOXES, AND ENCLOSURES.
2. SEAL ALL OPENINGS IN WALLS AND FLOORS, WHERE SUCH OPENINGS WERE CAUSED BY REMOVAL OF EXISTING WIRING, CONDUIT AND OTHER EQUIPMENT. PROVIDE FIRESTOPPING TO MAINTAIN THE FIRE RESISTANCE RATING OF THE WALLS AND FLOORS.
3. MAINTAIN AND RESTORE, IF INTERRUPTED BY REMOVALS, OR IN THE PATH OF NEW CONSTRUCTION, ALL CIRCUITS, CONDUIT AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS WHETHER INDICATED ON THE DRAWINGS OR NOT.
4. PROVIDE COVERS ON ALL OPEN JUNCTION BOXES.
5. WHERE A DEVICE, EQUIPMENT, OR RACEWAY IS REMOVED, AND ITS REMOVAL CREATES AN OPENING OR HOLE IN AN EXISTING JUNCTION BOX OR ENCLOSURE, PROVIDE A COVER FOR THE OPENING OR HOLE. COVER SHALL BE GROUNDED IN ACCORDANCE WITH THE NEC.

ABBREVIATION

A, AMP	AMPERE
AF	AMPERE FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARBM	AS REQUIRED BY MANUFACTURER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AT	AMPERE TRIP
BGE	BALTIMORE GAS & ELECTRIC
CB, C.B.	CIRCUIT BREAKER
C, COND	CONDUIT
CH	CHILLER
C/T, CT	CURRENT TRANSFORMER
CU	COPPER
DET	DETAIL
DETAIL X/Y	DETAIL "X" ON DRAWING "Y"
DIA, Ø	DIAMETER
DWG	DRAWING
DISC	DISCONNECT
DS	DISCONNECT
ECB	ENCLOSED CIRCUIT BREAKER
ELEC	ELECTRIC
EMT	ELECTRICAL METALLIC TUBING
EX., EXIST	EXISTING
FLA	FULL LOAD AMPERES
FR	FRAME
FU	FUSE
G, GND	GROUND
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRC	GALVANIZED RIGID STEEL
HACR	HEATING, AIR CONDITIONING & REFRIGERATION
HC-#	HANDHOLE/PEDESTAL FOR COMCAST, # - DENOTES HANDHOLE NUMBER
HP	HORSEPOWER
HT-#	HANDHOLE/PEDESTAL FOR VERIZON, # - DENOTES HANDHOLE NUMBER
HZ	HERTZ
IBC	INTERNATIONAL BUILDING CODE
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
I/G	INSULATED GROUND CONDUCTOR
IG	ISOLATED GROUND
JB	JUNCTION BOX
KA	THOUSAND AMPERES
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY
KCMIL	THOUSAND CIRCULAR MIL
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LA	LIGHTNING ARRESTOR
LTG	LIGHTING
LTS	LIGHTS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FRAME
MDP	MAIN DISTRIBUTION PANEL
MEMA	MARYLAND EMERGENCY MANAGEMENT AGENCY
MH-#	MANHOLE FOR BGE, # - DENOTES MANHOLE NUMBER
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOSHA	MARYLAND OCCUPATIONAL SAFETY AND HEALTH ACT
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
MTG	MOUNTING
NEC	NATIONAL ELECTRICAL CODE
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION
NEMA	NATIONAL ELECTRICAL MANUFACTERERS ASSOCIATION
NETA	INTERNATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NICET	NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES
NTS	NOT TO SCALE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POLE
PDS	PORTABLE GENERATOR DOCKING STATION
Ø, PH	PHASE
PH-#	POWER HANDHOLE, # - DENOTES POWER HANDHOLE NUMBER
PNL	PANEL
PRM	PHASE ROTATION MONITORING
RECEP	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SD	SERVICE DISCONNECT
SCH	SCHEDULE
SEC	SECTION
SLCP	SITE LIGHTING CONTROL PANEL
SPD	SURGE PROTECTIVE DEVICE
THRU	THROUGH
TP	TRIP
TYP	TYPICAL
U/G	UNDERGROUND
UL	UNDERWRITER'S LABORATORIES
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT AMPERE
VAC	VOLTS ALTERNATING CURRENT
W	WATTS
WP	WEATHERPROOF
XFMR	TRANSFORMER

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF
RECREATION AND PARKS

Job No.	#23042	MY, VA	Drawn
Scale	AS INDICATED	MY	Checked
Date	02/19/2026	JY	Approved
Drawing Title	GENERAL NOTES AND ABBREVIATIONS	Drawing Number	E0.1
Sheet	55	68	Of

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SYMBOL LIST

#	DRAWING NOTES, "#" IS DRAWING NOTE NUMBER OR LETTER
$	SINGLE POLE TOGGLE SWITCH, 120/277V, 20A, 1.5 HP RATED (AT 120V), WALL MTD AT 44" AFF
$3P	3-POLE TOGGLE SWITCH, SUITABLE FOR 120V THRU 277V, 30A, 2 HP RATED (AT 240V), NEXT TO THE UNIT PER FIELD CONDITIONS.
$R	SINGLE POLE TOGGLE SWITCH WITH RELAY CONTROL DEVICE. 120V/277V, 20A, 1HP RATED (AT 120V) FOR SWITCH. COORDINATE REQUIRED VOLTAGE AND AMPERE RATING OF RELAY CONTROL DEVICE WITH HVAC CONTROL CONTRACTOR. PROVIDE UL LISTED RELAY CONTROL DEVICES PER VOLTAGE, HORSEPOWER, AMPERE, AND RATING REQUIREMENTS OF HVAC EQUIPMENT AND HVAC CONTROL.
$D	3-WIRE, 120V, 8A, SINGLE POLE DIMMING SWITCH, WALL MTD 44" AFF. SEE LIGHTING CONTROL DIAGRAMS FOR DETAILS.
	NORTH ARROW (ARROW POINTING NORTH)
A-1	ELECTRICAL WIRING AND CONDUIT HOMERUN TO PANEL, SWITCHBOARD. LETTER DENOTES PANEL, SWITCHBOARD DESIGNATION, NUMBER DENOTES CIRCUIT NUMBER. FOR WIRING AND CONDUIT INFORMATION, REFER TO PANEL/SWITCHBOARD SCHEDULE, ONE-LINE DIAGRAM, OR DRAWING NOTES. WIRING AND CONDUIT INFORMATION SHALL APPLY TO THE ENTIRE LENGTH OF THE CIRCUIT, THROUGH SWITCHES, DISCONNECTS, CONTROLLERS, STARTERS, JUNCTION BOXES OR OTHER INTERMEDIATE POINTS, ALL THE WAY UP TO THE FINAL LOAD AT THE END OF THE CIRCUIT, U.O.N. IF MORE THAN ONE ARROW IS INDICATED, THE NUMBER OF ARROWS INDICATE THE NUMBER OF CIRCUITS IN THE SAME CONDUIT.
	ELECTRICAL WIRING AND CONDUIT U.O.N. REFER TO PANEL, SWITCH BOARD, MCC SCHEDULE, ONE-LINE DIAGRAM, OR DRAWING NOTES FOR WIRING AND CONDUIT INFORMATION. WIRING AND CONDUIT INFORMATION SHALL APPLY TO THE ENTIRE LENGTH OF THE CIRCUIT, THROUGH SWITCHES, DISCONNECTS, CONTROLLERS, STARTERS, JUNCTION BOXES OR OTHER INTERMEDIATE POINTS, ALL THE WAY UP TO THE FINAL LOAD AT THE END OF THE CIRCUIT, U.O.N.
	ELECTRICAL WIRING AND CONDUIT U.O.N. REFER TO PANEL/SWITCHBOARD/MCC SCHEDULE, ONE-LINE DIAGRAM, OR DRAWING NOTES FOR SIZE OF WIRING AND FOR MINIMUM SIZE OF CONDUIT. SIZE OF CONDUIT SHALL BE INCREASED AS REQUIRED TO ACCOMMODATE THE SIZE AND QUANTITY OF WIRES IN ACCORDANCE WITH NEC REQUIREMENTS. QUANTITY OF HATCHES SHALL INDICATE THE NUMBER OF PHASE AND NEUTRAL WIRES IN CONDUIT. GROUND WIRE NOT INCLUDED IN THE HATCHES BUT SHALL BE PROVIDED. FOR EXAMPLE, IF THE PANEL SCHEDULE SHOWS 2#12 & #12G IN 3/4"C, THIS SHALL MEAN THAT 4 HATCH LINES REPRESENT 4#12 & #12G IN 3/4"C MINIMUM.
G	TAMPER RESISTANT GFCI RECEPTACLE WALL MTD AT 18" AFF, U.O.N. DUPLEX RECEPTACLE SHALL BE 20A, 120V, NEMA 5-20R.
WP	TAMPER RESISTANT WEATHER RESISTANT DUPLEX GFCI RECEPTACLE WITH WEATHERPROOF NEMA 3R LOACKABLE STEEL CABINET ENCLOSURE, WALL MTD AT 30" AFF, U.O.N. DUPLEX RECEPTACLE SHALL BE 20A, 120V, NEMA 5-20R.
	TAMPER RESISTANT SPLIT CIRCUIT DUPLEX RECEPTACLE. HALF OF THE RECEPTACLE IS CONTROLLED BY A WALL SWITCH, THE OTHER HALF IS ALWAYS "HOT". WALL MTD AT 18" AFF (16" AFF FOR KINDERGARTEN AND PRE-KINDERGARTEN), U.O.N. DUPLEX RECEPTACLE SHALL BE 20A, 120V, NEMA 5-20R.
	TAMPER RESISTANT 2 SETS OF DUPLEX RECEPTACLE WALL MTD AT 18" AFF (16" FOR KINDERGARTEN AND PRE-KINDERGARTEN), U.O.N. DUPLEX RECEPTACLES SHALL BE 20A, 120V, NEMA 5-20R.
	TAMPER RESISTANT DUPLEX RECEPTACLE WALL MTD AT 18" AFF, U.O.N. WHERE FED FROM A 20A BREAKER, DUPLEX RECEPTACLE SHALL BE 20A, 120V, NEMA 5-20R. WHERE FED FROM A 15A BREAKER, DUPLEX RECEPTACLE SHALL BE 15A, 120V, NEMA 5-15R.
G	TAMPER RESISTANT GFCI DUPLEX RECEPTACLE WALL MTD AT 6" ABOVE COUNTER OR DESK, U.O.N. WHERE FED FROM A 20A BREAKER, DUPLEX RECEPTACLE SHALL BE 20A, 120V, NEMA 5-20R. WHERE FED FROM A 15A BREAKER, DUPLEX RECEPTACLE SHALL BE 15A, 120V, NEMA 5-15R.
	TAMPER RESISTANT DUPLEX RECEPTACLE WALL MTD AT 6" ABOVE COUNTER OR DESK, U.O.N. WHERE FED FROM A 20A BREAKER, DUPLEX RECEPTACLE SHALL BE 20A, 120V, NEMA 5-20R. WHERE FED FROM A 15A BREAKER, DUPLEX RECEPTACLE SHALL BE 15A, 120V, NEMA 5-15R.
USB	TAMPER RESISTANT COMBINATION DUPLEX RECEPTACLE AND USB WALL MTD AT 6" ABOVE COUNTER OR DESK, U.O.N. WHERE FED FROM A 20A BREAKER, DUPLEX RECEPTACLE SHALL BE 20A, 120V, NEMA 5-20R. WHERE FED FROM A 15A BREAKER, DUPLEX RECEPTACLE SHALL BE 15A, 120V, NEMA 5-15R.
C	TAMPER RESISTANT CEILING MOUNTED DUPLEX RECEPTACLE. DUPLEX RECEPTACLE SHALL BE 20A, 120V, NEMA 5-20R.
TV	DUPLEX RECEPTACLE FOR AV EQUIPMENT. DUPLEX RECEPTACLE SHALL BE 20A, 120V, NEMA 5-20R. COORDINATE WITH AV CONSULTANT FOR EXACT REQUIREMENT. COORDINATE WITH ARCHITECT/OWNER FOR EXACT MOUNTING HEIGHT.
	TAMPER RESISTANT FLOOR BOX WITH 20A, 120V, NEMA 5-20R DUPLEX RECEPTACLE AND OUTLETS FOR COMMUNICATION. SEE SPECIFICATION FOR FLOOR BOX REQUIREMENTS.
	TAMPER RESISTANT FLOOR BOX WITH TWO (2) 20A, 120V, NEMA 5-20R RECEPTACLES AND OUTLETS FOR COMMUNICATION. SEE SPECIFICATION FOR FLOOR BOX REQUIREMENTS.
	TAMPER RESISTANT SPLIT CIRCUIT FLOOR BOX. HALF OF THE RECEPTACLE IS CONTROLLED BY A SENSOR/SWITCH, THE OTHER HALF IS ALWAYS "HOT". 20A, 120V, NEMA 5-20R AND OUTLETS FOR COMMUNICAITON. SPECIFICATION FOR FLOOR BOX REQUIREMENTS.
	NEMA L6-30R RECEPTACLE, 30A, 208V, 2 POLE, 3 WIRE GROUNDING. WALL MTD AT 18" AFF. U.O.N.
ST	SHUNT TRIP UNIT
	3/4" DIAMETER X 10' LONG COPPER CLAD STEEL GROUND ROD. SEE "TYPICAL GROUND ROD DETAIL".
	DATA OUTLET WALL MTD AT 18" AFF. 2-CATEGORY 6, RJ-45 JACK (DATA).
	DATA OUTLET WALL MTD AT 6" ABOVE COUNTER OR DESK. 1-CATEGORY 6, RJ-45 JACK.
	DATA OUTLET WALL MTD AT 18" AFF. 1-CATEGORY 6, RJ-45 JACK.
	DATA OUTLET WALL MTD AT 18" AFF. 1-CATEGORY 6, RJ-45 JACK. EXACT REQUIREMENT TO BE COORDINATED WITH AV CONSULTANT.
TV	CATV OUTLET AND DATA OUTLET. OUTLET SHALL HAVE A 75 OHM COAX CONNECTOR. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
JB	ELECTRICAL JUNCTION BOX (SIZE PER NEC U.O.N.) AND/OR ELECTRICAL CONNECTION TO EQUIPMENT AND DEVICES
WP	ELECTRICAL JUNCTION BOX (SIZE PER NEC U.O.N.) AND/OR ELECTRICAL CONNECTION TO EQUIPMENT AND DEVICES, WEATHERPROOF
	MOTOR OR MECHANICAL/PLUMBING EQUIPMENT
	PUMP MOTOR
	FUSED DISCONNECT
	TRANSFORMER
	FIXED CIRCUIT BREAKER
	COMBINATION STARTER, SEE DRAWING NOTES FOR STARTER DETAILS. STARTER SHALL BE WALL MOUNTED AT 54" AFF TO TOP OF OPERATING HANDLE U.O.N.
	DISCONNECT SWITCH, SEE DRAWING NOTES FOR SWITCH DETAILS. SWITCH SHALL BE WALL MOUNTED AT 54" AFF TO TOP OF OPERATING HANDLE U.O.N.
VFD	VARIABLE FREQUENCY DRIVE
	PANELBOARD. IF DASHED LINE IS INDICATED, IT REPRESENTS THE CLEARANCE IN FRONT OF PANELBOARD.
EGB	ELECTRICAL GROUND BAR. SEE "TYPICAL ELECTRICAL GROUND BAR (EGB) DETAIL".
G	GROUND BUS OR LUG
CM	FIRE ALARM DEVICE, ADDRESSABLE CONTROL MODULE.
MM	FIRE ALARM DEVICE, ADDRESSABLE MONITOR MODULE.
RT	REMOTE TEST STATION
SD	FIRE ALARM DEVICE, ADDRESSABLE PHOTOELECTRIC SMOKE DUCT DETECTOR
S	FIRE ALARM DEVICE, ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR, WALL MOUNTED.
S	FIRE ALARM DEVICE, ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR, CEILING MOUNTED.
FACP	FIRE ALARM CONTROL PANEL
FARAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL
FAVP	FIRE ALARM VOICE PANEL
FARGAP	FIRE ALARM REMOTE GRAPHIC ANNUNCIATOR PANEL
ASU	AUDIO SHUNT TRIP UNIT.
WP A # V	FIRE ALARM DEVICE, WEATHER PROOF AND VANDAL RESISTANT COMBINATION HORN/SPEAKER AND STROBE, WALL MTD. "#" INDICATES CANDELA RATING.
A # V	FIRE ALARM DEVICE, COMBINATION HORN/SPEAKER AND STROBE, WALL MTD AT 80" AFF. "#" INDICATES CANDELA RATING.
# V	FIRE ALARM DEVICE, STROBE LIGHTS. WALL MTD AT 80" AFF. "#" INDICATES CANDELA RATING.
P	FIRE ALARM DEVICE, ADDRESSABLE MANUAL PULL STATION WALL MTD AT 48" AFF.
# V WP	FIRE ALARM DEVICE, STROBE LIGHTS, WEATHERPROOF, WALL MTD AT 80" AFF. "#" INDICATES CANDELA RATING.
P WP	FIRE ALARM DEVICE, WEATHERPROOF, ADDRESSABLE MANUAL PULL STATION WALL MTD AT 48" AFF.
A # V C	FIRE ALARM DEVICE, COMBINATION HORN/SPEAKER AND STROBE, CEILING MTD. "#" INDICATES CANDELA RATING.
XX , XX , XX	LIGHTING FIXTURE, "XX" IS THE LIGHTING FIXTURE TYPE. SEE "LIGHTING FIXTURE SCHEDULE" FOR ADDITIONAL DETAILS, SYMBOLS AND FIXTURE TYPES.
XX , XX , XX	LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT AND/OR ON GENERATOR CIRCUIT. "XX" IS THE LIGHTING FIXTURE TYPE, SEE "LIGHTING FIXTURE SCHEDULE" FOR ADDITIONAL DETAILS, SYMBOLS AND FIXTURE TYPES.
XX , XX	EXIT LIGHTING FIXTURE, "XX" IS THE LIGHTING FIXTURE TYPE, SEE "LIGHTING FIXTURE SCHEDULE" FOR ADDITIONAL DETAILS, SYMBOLS AND FIXTURE TYPES.
PC	LIGHTING CONTROL SYSTEM LOW VOLTAGE OUTDOOR PHOTOCELL, WALL MOUNTED AT 10' AFF
WS	LIGHTING CONTROL SYSTEM LOW VOLTAGE SWITCH WITH INTEGRAL OCCUPANCY SENSOR, WALL MOUNTED AT 48" AFF
WO	LIGHTING CONTROL SYSTEM LOW VOLTAGE SWITCH WITHOUT INTEGRAL OCCUPANCY SENSOR, WALL MOUNTED AT 48" AFF
S	LIGHTING CONTROL SYSTEM LOW VOLTAGE ON/OFF SWITCH , WALL MOUNTED AT 48" AFF
nP	LIGHTING CONTROL SYSTEM RELAY POWER PACK, LOCATED ABOVE THE CEILING U.N.O
OC	LIGHTING CONTROL SYSTEM LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR
DS	LIGHTING CONTROL SYSTEM LOW VOLTAGE INDOOR DAYLIGHT SENSOR, CEILING MOUNTED U.N.O
IDCP	INTRUSION DETECTION SYSTEM; CONTROL PANEL
IDPS	INTRUSION DETECTION SYSTEM; POWER SUPPLY
WD	INTRUSION DETECTION SYSTEM; MOTION DETECTOR
SR	INTRUSION DETECTION; SIREN
DC	INTRUSION DETECTION SYSTEM; DOOR CONTACT
KP	INTRUSION DETECTION SYSTEM, ENTRY KEYPAD, WALL MOUNTED AT 46" AFF.

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF
RECREATION AND PARKS

Job No.	#23042	MY, VA	Drawn
Scale	AS INDICATED	MY	Checked
Date	02/19/2026	JY	Approved

Drawing Title: SYMBOL LISTS

Drawing Number: E0.2

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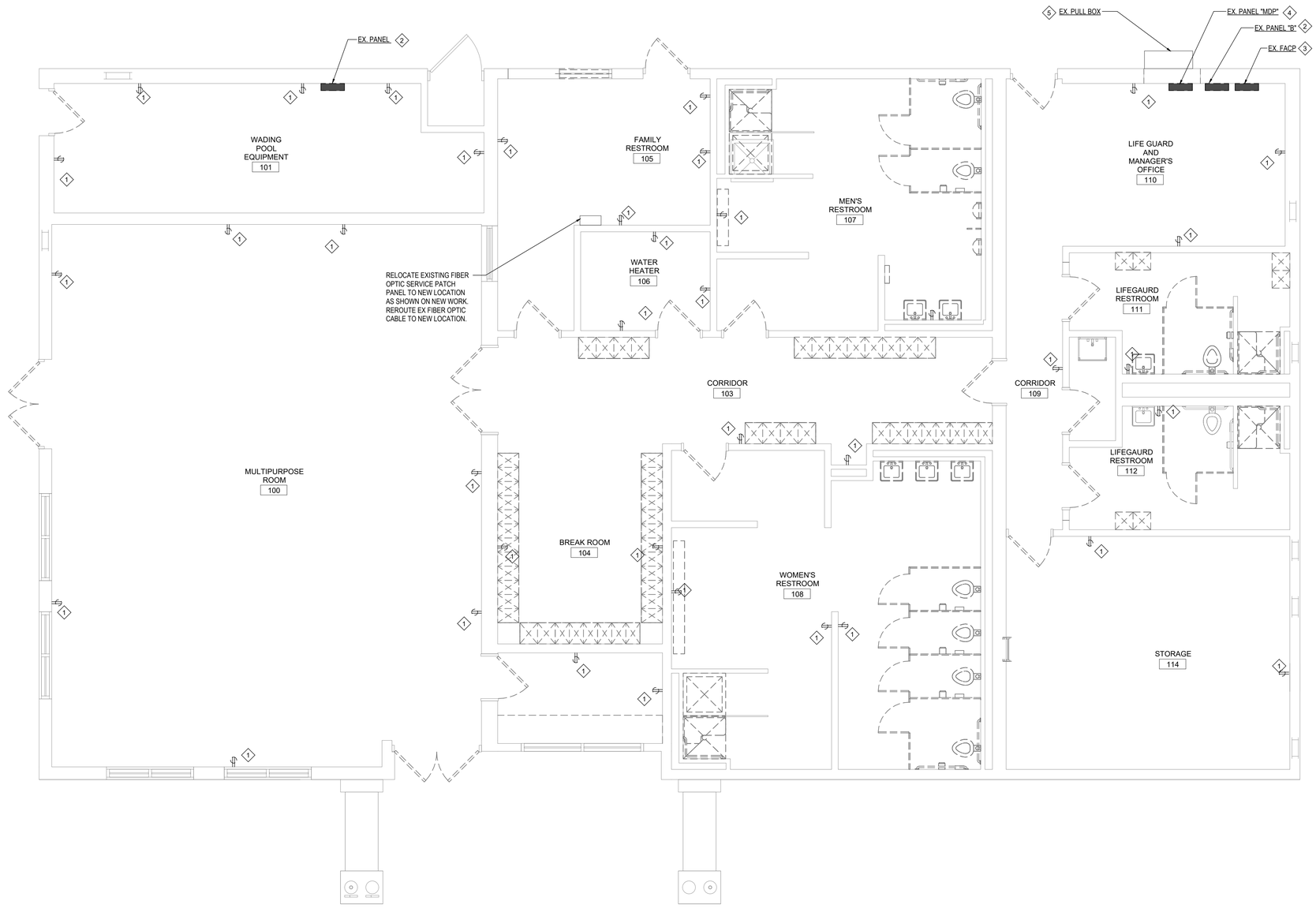
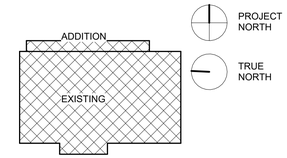


1 ED1.1 FIRST FLOOR PLAN - ELECTRICAL DEMOLITION
1/4" = 1'-0"

KEY PLAN:



DRAWING NOTES

1. REMOVE EXISTING RECEPTACLE AND ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.
2. REMOVE EXISTING PANEL AND ASSOCIATED WIRING, FEEDER, AND CONDUIT BACK TO SOURCE.
3. REMOVE EXISTING FIRE ALARM PANEL AND ASSOCIATED CABLE AND CONDUIT BACK TO SOURCE.
4. REMOVE EXISTING PANEL AND ASSOCIATED FEEDER AND CONDUIT TO BE REUSED. EXTEND, PROVIDE AND SPLICE FEEDERS AND CONDUIT FROM THIS LOCATION UP TO THE NEW PANEL MDP LOCATED IN WADING POOL EQUIPMENT ROOM.
5. EXISTING TO REMAIN.

GENERAL NOTES

1. REMOVE ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONTROL SWITCH, WIRING AND CONDUIT BACK TO SOURCE.
2. REMOVE ALL EXISTING FIRE ALARM DEVICES AND ASSOCIATED WIRING, CABLE, AND CONDUIT BACK TO SOURCE.
3. REMOVE ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT INCLUDING BUT NOT LIMITED TO OUTLETS, SWITCHES, LIGHTING FIXTURES, FIRE ALARM DEVICES, ETC. REMOVE ASSOCIATED WIRING, CONDUIT AND CABLE BACK TO SOURCE.
4. ALL MECHANICAL/PLUMBING AND POOL EQUIPMENT TO BE REMOVED. DISCONNECT POWER TO EQUIPMENT AND REMOVE ASSOCIATED WIRING, CONDUIT AND DISCONNECTING MEANS BACK TO SOURCE.

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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PIKESVILLE, MARYLAND 21208, 410-486-4692

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No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	MY	Drawn
Scale	1/4" = 1'-0"	JY	Checked
Date	02/19/2026	RD	Approved
Drawing Title	FIRST FLOOR PLAN ELECTRICAL DEMOLITION	Drawing Number	ED1.1
Sheet	57	68	Of

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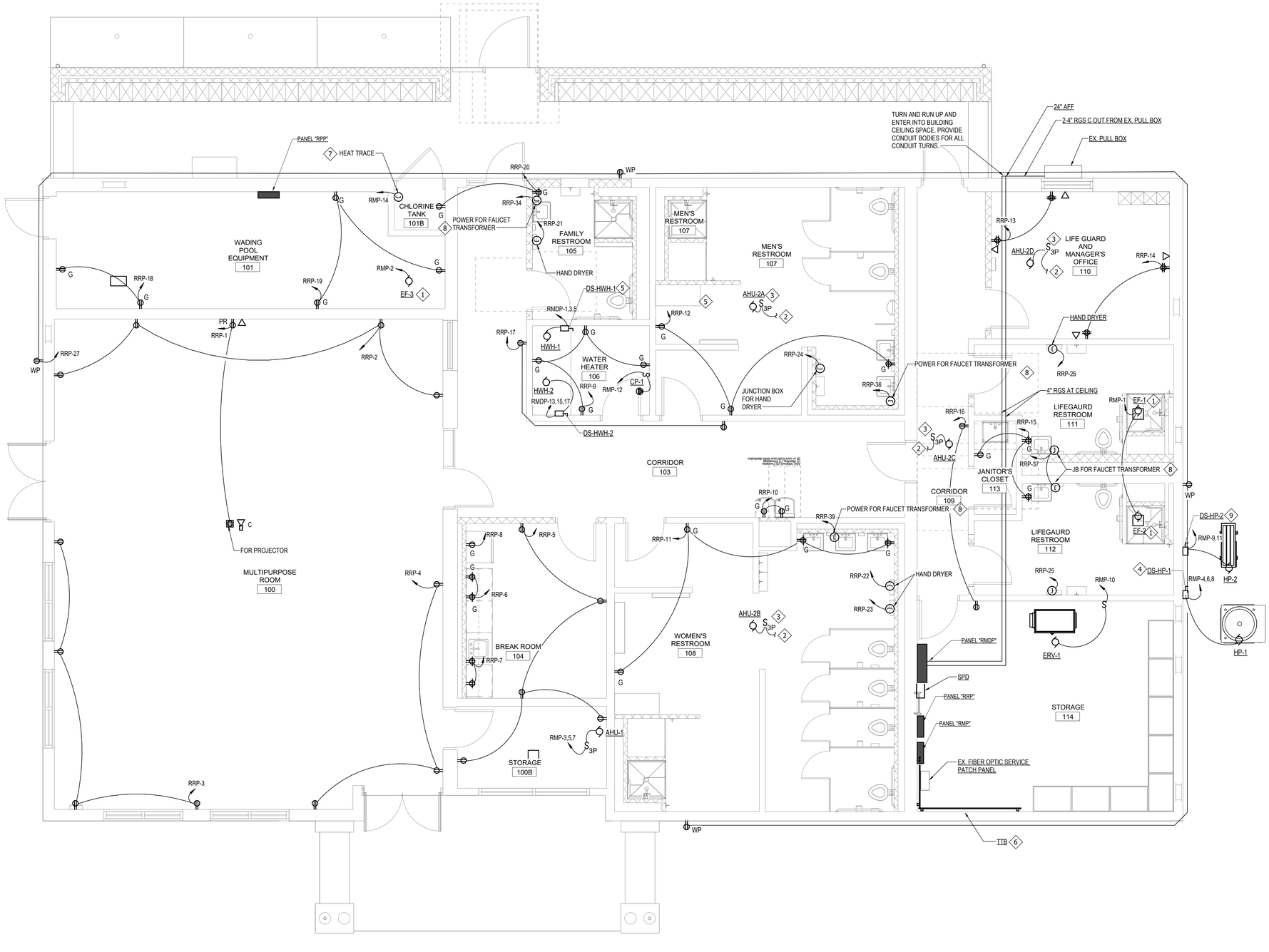
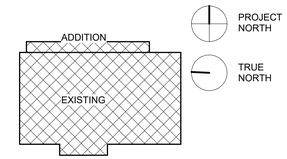


1 E1.1 FIRST FLOOR PLAN - POWER
1/4" = 1'-0"

KEY PLAN:



DRAWING NOTES

1. DISCONNECT SWITCH TO BE PROVIDED BY MECHANICAL CONTRACTOR.
2. TO ASSOCIATED OUTDOOR UNIT. SEE MECHANICAL SCHEDULE FOR ASSOCIATED OUTDOOR UNIT.
3. 3 POLE TOGGLE SWITCH NEXT TO UNIT AT ACCESSIBLE CEILING SPACE.
4. 3 POLE, 240V, 60A DISCONNECT SWITCH WITH NEMA 3R ENCLOSURE.
5. 3 POLE, 240V, 200A DISCONNECT SWITCH WITH NEMA 1 ENCLOSURE.
6. PROVIDE 2-4" U/G CONDUIT FROM TTB TO THE PROPERTY LINE FOR COMMUNICATION SERVICE.
7. POWER FOR HEAT TRACE ELEMENT. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
8. POWER FOR FAUCET TRANSFORMER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
9. 2 POLE, 240V, 100A DISCONNECT SWITCH WITH NEMA 3R ENCLOSURE.

GENERAL NOTES

1. ALL ELECTRICAL EQUIPMENT AND ENCLOSURES IN PUMP ROOM SHALL BE NEMA 4X TYPE.
2. PVC CONDUITS SHALL BE USED IN THE PUMP ROOM.
3. CONDUIT PATH SHOWN ON DRAWING IS TYPICAL ROUTING PATH. CONTRACTOR SHALL ADJUST ACTUAL CONDUIT ROUTING PATH IN FIELD IN ACCORDANCE WITH FIELD CONDITIONS.

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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PATTERSON PARK POOL HOUSE RENOVATION

BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	MY	Drawn
Scale	1/4" = 1'-0"	JY	Checked
Date	02/19/2026	RD	Approved
Drawing Title	FIRST FLOOR PLAN - POWER	Drawing Number	E1.1
Sheet	58	68	Of

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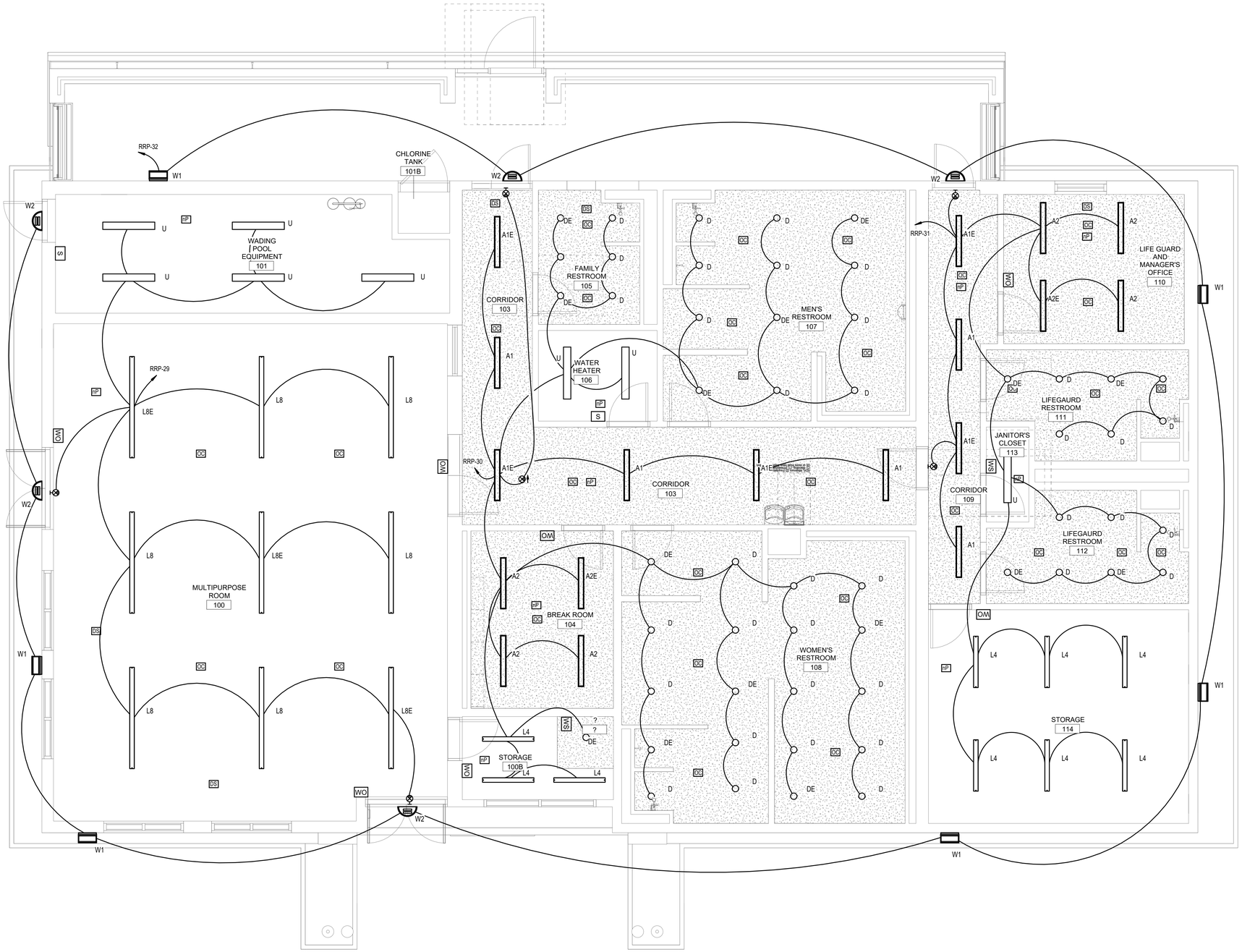

1 E2.1 FIRST FLOOR PLAN LIGHTING
1/4" = 1'-0"

KEY PLAN:

PROJECT NORTH

TRUE NORTH

4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Date	02/19/2026	RD	Approved
Drawing Title		Drawing Number	
FIRST FLOOR PLAN - LIGHTING		E2.1	
Sheet	59	68	Of

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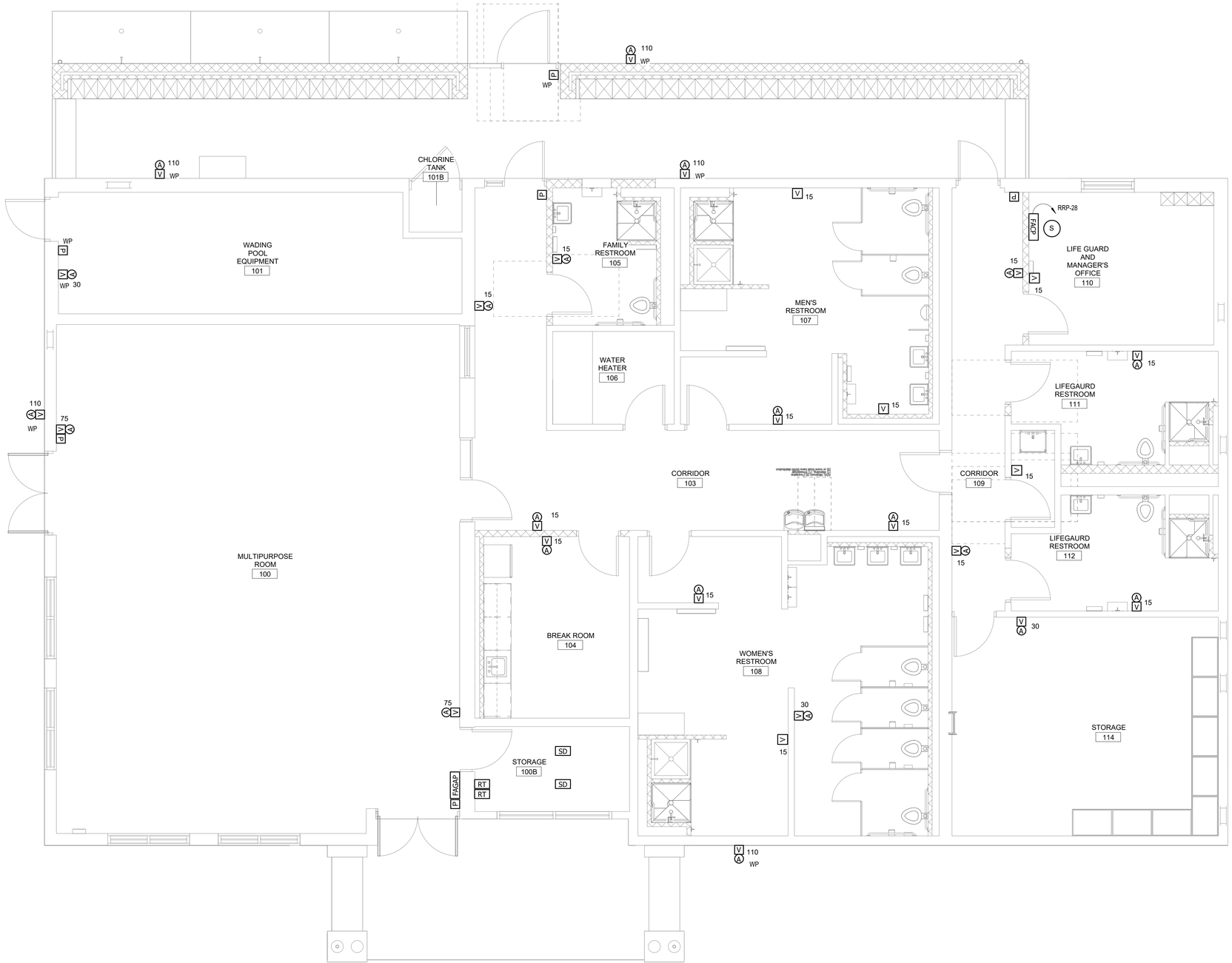
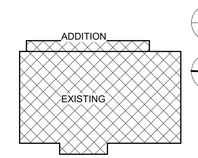


1 E3.1 FIRST FLOOR PLAN - FIRE ALARM
1/4" = 1'-0"

KEY PLAN:



4 0 4 8
SCALE OF FEET
1/4" = 1'-0"

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Scale	1/4" = 1'-0"	JY	Checked
Date	02/19/2026	RD	Approved
Drawing Title	FIRST FLOOR PLAN - FIRE ALARM	Drawing Number	E3.1
Sheet	60	68	Of

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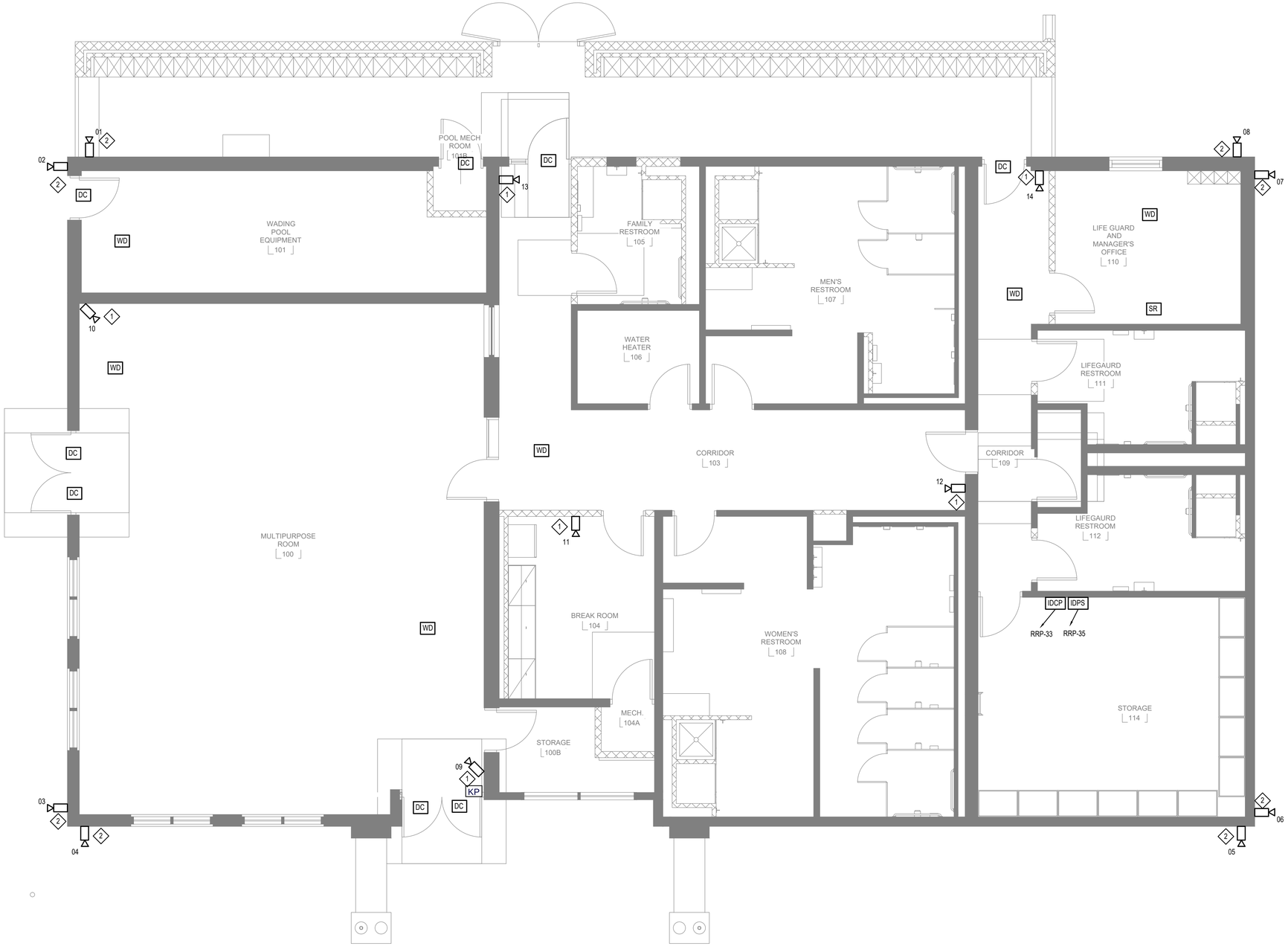

FIRST FLOOR PLAN - SPECIAL SYSTEMS

SCALE: 1/4" = 1'-0"

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

DRAWING NOTES:

1. JUNCTION BOX FOR SECURITY CAMERA PROVIDE 1" EMPTY CONDUIT WITH PULL WIRE FROM JUNCTION BOX TO ACCESSIBLE CEILING SPACE.
2. WEATHER PROOF JUNCTION BOX FOR CAMERA PROVIDE 1" EMPTY CONDUIT WITH PULL WIRE FROM JUNCTION BOX TO ACCESSIBLE CEILING SPACE.

GENERAL NOTES:

1. COORDINATE EXACT LOCATION OF ELECTRICAL DEVICES WITH OWNER.

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Scale	AS INDICATED	MY	Checked
Date	02/19/2026	JY	Approved
Drawing Title	FIRST FLOOR PLAN - SPECIAL SYSTEMS	Drawing Number	E3.2
Sheet	61	68	Of

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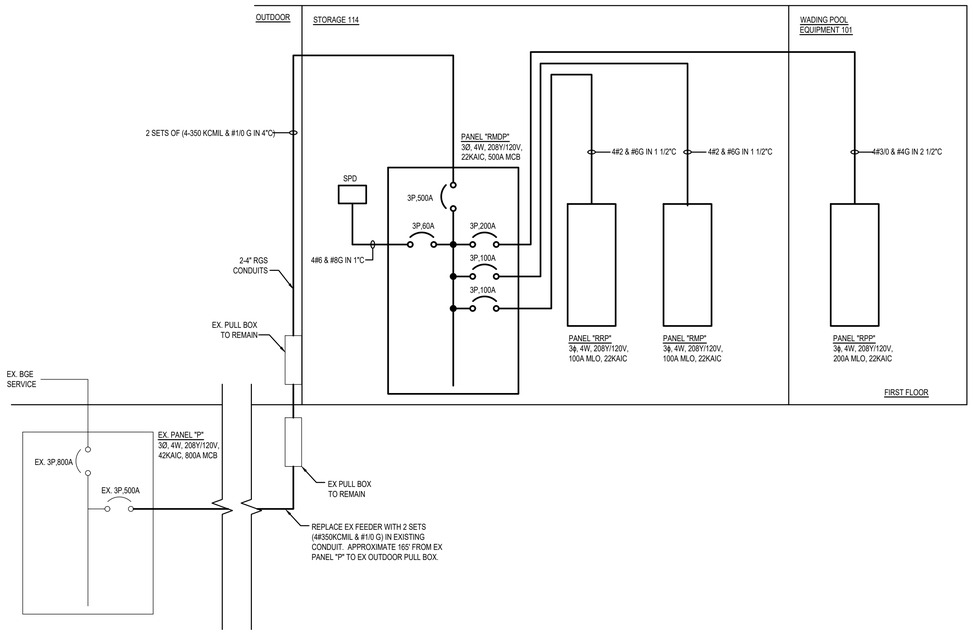

POWER ONE-LINE DIAGRAM

NOT TO SCALE

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

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Drawing Title	POWER ONE-LINE DIAGRAM	Drawing Number	E5.1
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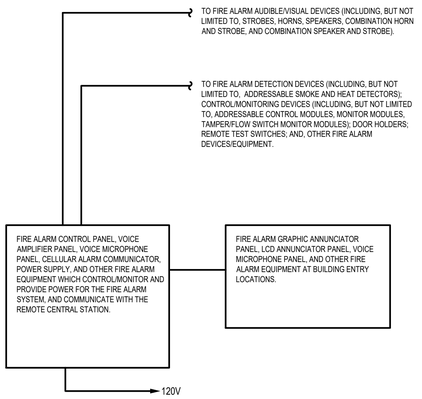
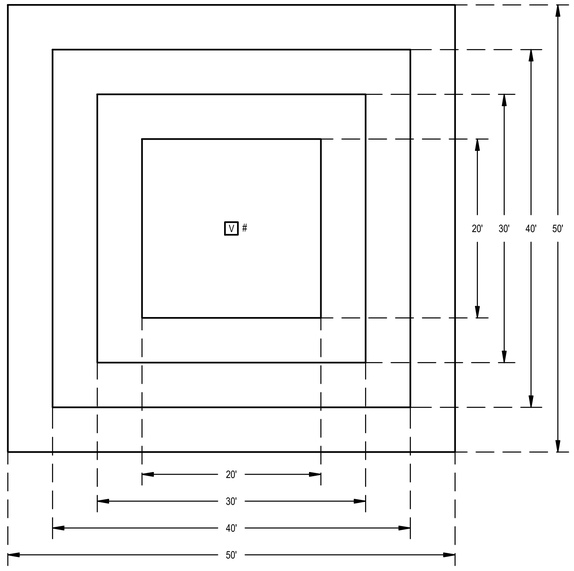


FIRE ALARM SYSTEM BLOCK DIAGRAM

NOT TO SCALE

FIRE ALARM NOTES:

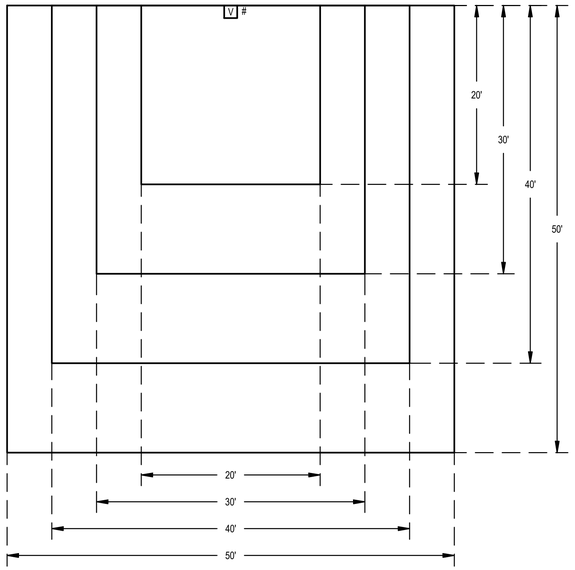
1. COMPLY WITH THE REQUIREMENTS OF NFPA 70 (NEC), NFPA 72 (NATIONAL FIRE ALARM CODE), INTERNATIONAL BUILDING CODE, FEDERAL/STATE/LOCAL CODES, THE FIRE MARSHALL, THE MANUFACTURER AND THE AUTHORITY HAVING JURISDICTION. EMERGENCY VOICE ALARM COMMUNICATION FIRE ALARM SYSTEM TO BE PROVIDED. SEE "SPECIAL REQUIRMENTS" IN SHEET "CODE STUDY" CS.3 FOR FIRE ALARM REQUIREMENT DETAILS.
2. EQUIPMENT SHALL BE UL LISTED AND SHALL COMPLY WITH THE REQUIREMENTS OF NFPA.
3. COORDINATE WIRING REQUIREMENTS WITH THE MANUFACTURER. COMPLY WITH THE REQUIREMENTS OF THE MANUFACTURER AND THE FOLLOWING:
   3.1. ALL FIRE ALARM, COMMUNICATIONS, AND COAXIAL CABLES, AND ALL CLASS 2 POWER LIMITED CIRCUITS SHALL COMPLY WITH ARTICLE 725, ARTICLE 760, ARTICLE 800, ARTICLE 810, ARTICLE 820, ARTICLE 830, AND OTHER APPLICABLE ARTICLES OF THE NATIONAL ELECTRICAL CODE. PLENUM RATED, RISER RATED AND GENERAL-PURPOSE COMMUNICATIONS AND COAXIAL SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. CABLES SHALL BE SUITABLE FOR THEIR INTENDED USE. SECURE AND SUPPORT CABLE AT INTERVALS NOT EXCEEDING 3 FEET, OR BY THE MANUFACTURER'S REQUIREMENT. WHICHEVER IS LESS. CABLE SHALL RUN IN CONDUIT, 3/4" TRADE SIZE MINIMUM, UNDER THE FOLLOWING CONDITIONS: WHERE SUBJECT TO PHYSICAL DAMAGE; WHERE INSTALLED OUTDOORS OR WET LOCATIONS; WHERE EXPOSED; WHERE CONCEALED IN CONCRETE OR BLOCK WALLS; AND WHERE REQUIRED BY THE NEC.
   3.2. ALL OTHER CABLES AND CIRCUITS SHALL RUN IN CONDUIT, 3/4" TRADE SIZE MINIMUM.
4. DEVICES SHOWN ON TYPICAL FIRE ALARM RISER DIAGRAM ARE FOR INTENT ONLY AND DO NOT INDICATE THE EXACT NUMBER OF DEVICES ON EACH FLOOR. SEE FLOOR PLANS FOR NUMBERS OF DEVICES.
5. SEE FIRE ALARM SPECIFICATION FOR MORE INFORMATION FOR REQUIREMENTS.
6. ALL FIRE ALARM DEVICES AND EQUIPMENT SHALL BE WIRED TOGETHER FOR A COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM.
7. COORDINATE EXACT LOCATION OF FIRE ALARM CONTROL AND MONITORING DEVICES WITH EQUIPMENT INSTALLED IN THE FIELD.
8. SEE FIRE ALARM SPECIFICATIONS FOR REQUIREMENTS AND DETAILS FOR THE FIRE ALARM REMOTE ANNUNCIATOR PANEL (FARAP)
9. PROVIDE EQUIPMENT, PROGRAMMING, HARDWARE, AND ACCESSORIES TO IMPLEMENT THIS SCHEME, INCLUDING, BUT NOT LIMITED TO: FIRE ALARM CONTROL MODULES, FIRE ALARM RELAYS, WIRING, ETC. ALL ITEMS PROVIDED SHALL BE UL LISTED AND SUITABLE FOR THE INTENDED USE.
10. PROVIDE AN INSTRUCTION SIGN AT THE FIRE ALARM CONTROL PANEL THAT DESCRIBES HOW TO RESET THE FIRE ALARM CONTROL PANEL AFTER AN ALARM CONDITION HAS BEEN CLEARED. THIS INCLUDES ALARM CONDITIONS THAT WERE INITIATED BY THE OTHER FIRE ALARM CONTROL PANEL.
11. FIRE ALARM SYSTEM SHALL BE WIRED AS A TRUE CLASS "B" SYSTEM. OUTGOING AND RETURN CIRCUIT CABLES SHALL NOT BE RUN IN SAME CONDUIT. PROVIDE MINIMUM SEPARATION DISTANCE BETWEEN OUTGOING AND RETURN CONDUIT REQUIRED PER NFPA.
12. ALL CONDUITS AND ENCLOSURES SHALL BE GROUNDED IN ACCORDANCE WITH NEC.
13. SUBMIT FIRE ALARM SYSTEM PLANS PREPARED BY FIRE ENGINEER AND CUT-SHEETS OF ALL FIRE ALARM DEVICES/EQUIPMENT TO BE USED TO LOCAL FIRE MARSHAL AND PERMIT DEPARTMENT FOR REVIEW AND APPROVAL. PROVIDE ALL HARDWARES/SOFTWARE AND ACCESSORIES PER FIRE MARSHAL'S REQUIREMENTS.
14. BATTERY BACKUP:
   14.1. THE ENTIRE FIRE ALARM SYSTEM SHALL HAVE A BATTERY BACKUP SYSTEM. BATTERIES SHALL BE SIZED FOR 24 HOURS OF STANDBY FOLLOWED BY 15 MINUTES OF ALARM. PROVIDE AN ADDITIONAL 20% SPARE BATTERY CAPACITY ON TOP OF THAT. WHERE LOCAL CODES, THE FIRE MARSHAL, OR THE AUTHORITY HAVING JURISDICTION HAVE A LONGER BATTERY BACKUP REQUIREMENT, THE LONGER BATTERY BACKUP REQUIREMENT SHALL APPLY.
15. DUCT SMOKE DETECTOR SHALL COMPLY WITH NFPA 72 AND NFPA 90A. INSTALL SAMPLING TUBES SO THEY EXTEND THE FULL WIDTH OF DUCT.
16. GROUND FIRE-ALARM CONTROL UNIT AND ASSOCIATED CIRCUITS SHALL BE GROUNDED PER IEEE 1100. INSTALL A GROUND WIRE FROM MAIN SERVICE GROUND TO FIRE-ALARM CONTROL UNITS.
17. THE DEVICES SHOWN ON THE RISER DIAGRAM ARE REPRESENTATIVE OF THOSE TO BE PROVIDED THROUGHOUT THE BUILDING. THEY ARE NOT INTENDED TO SHOW TOTAL QUANTITIES OF DEVICES. THE CONTRACTOR SHALL REFER TO THE FLOOR PLANS FOR THIS INFORMATION.
18. THE TYPE OF DEVICES WILL DEPEND ON THE MANUFACTURER'S EQUIPMENT. NOTHING IN THE DESIGN DOCUMENTS IS INTENDED, NOR SHOULD IT BE CONSTRUED, TO LIMIT THE TYPES OF DEVICES THAT MAY BE USED, PROVIDED THE INTENDED SYSTEM PERFORMANCE IS ACHIEVED AND WITHIN THE UL LISTING.
19. ADDRESSABLE INTERFACE MODULES ARE REQUIRED FOR NON-ADDRESSABLE INITIATING AND INDICATING DEVICES FOR CONNECTION TO THE FIRE ALARM SYSTEM.
20. PAGING ZONES SHALL BE ELEVATOR GROUPS, EXIT STAIRWAYS, AND EACH FLOOR PER IBC 2012 SECTION 907-5.2.2.
21. THE SIGNALING LINE CIRCUIT MAY BE T-TAPPED, PROVIDED THE LOCATION OF THE T-TAP IS CLEARLY SHOWN ON THE SHOP DRAWINGS, IS PERFORMED IN A JUNCTION BOX, AND IS MADE WITH A TERMINAL STRIP. PIGTAILING IS NOT PERMITTED.
22. FACP SHALL HAVE A 150% SPARE AMPLIFIER CIRCUIT.
23. FIRE ALARM SYSTEM SHALL BE MADE COMPLETE AND FULLY OPERATIONAL, AND SHALL HAVE SPARE CAPACITY AND CIRCUITS FOR FUTURE FIRE ALARM DEVICES/EQUIPMENT.
24. PROVIDE CELLULAR DIALER. COORDINATE WITH OWNER FOR SELECTED CELLULAR PROVIDER.



LENS MOUNTING HEIGHT (FT)	10'	20'	30'
MAXIMUM ROOM DIMENSIONS (FT X FT)	MINIMUM REQUIRED LIGHT OUTPUT (cd)		
20' X 20'	15	30	55
30' X 30'	30	45	75
40' X 40'	60	75	95
44' X 44'	75	75	95
46' X 46'	95	30	95
50' X 50'	95	95	95
53' X 53'	110	110	110
55' X 55'	115	115	115
59' X 59'	135	135	135
63' X 63'	150	150	150
68' X 68'	177	177	177
70' X 70'	185	185	185

CEILING MOUNTED VISIBLE APPLIANCE SPACING TEMPLATE

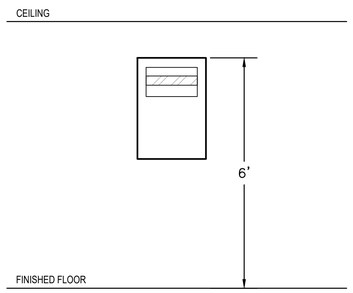
NOT TO SCALE



MAXIMUM ROOM DIMENSIONS (FT X FT)	MINIMUM REQUIRED LIGHT OUTPUT (cd)
20' X 20'	15
30' X 30'	30
40' X 40'	75
50' X 50'	110

WALL MOUNTED VISIBLE APPLIANCE SPACING TEMPLATE

NOT TO SCALE



1. FOR BLOCK WALLS - COORDINATE MOUNTING HEIGHT WITH TOP COURSE OF BLOCK NEAREST 6 FEET AFF.
2. REFER TO THE MANUFACTURER'S RECOMMENDATIONS FOR MOUNTING THE BOX BASED ON THE WALL TYPE.

FIRE ALARM ANNUNCIATOR, NAC, OR AMP PANEL MOUNTING DETAIL

NOT TO SCALE

KEY PLAN:

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Scale	AS INDICATED	MY	Checked
Date	02/19/2026	JY	Approved

Drawing Title: FIRE ALARM RISER AND DETAILS

Drawing Number: E5.2

Sheet 63 of 68

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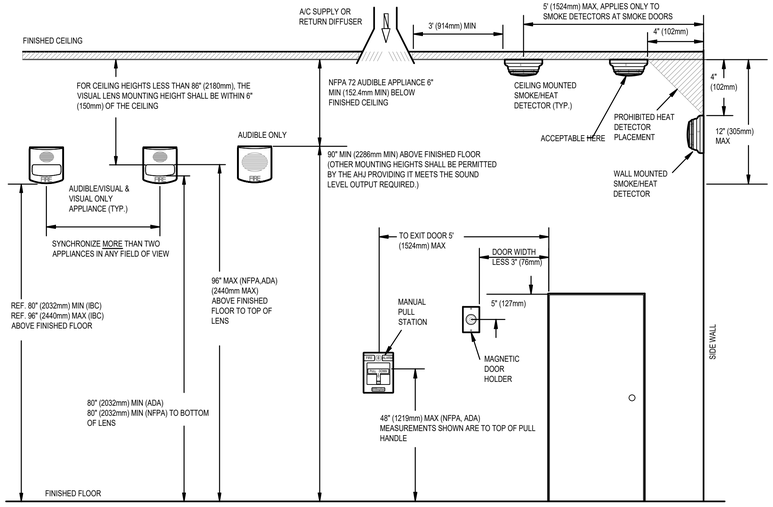


FIRE ALARM DEVICE TYPICAL MOUNTING HEIGHT DETAIL

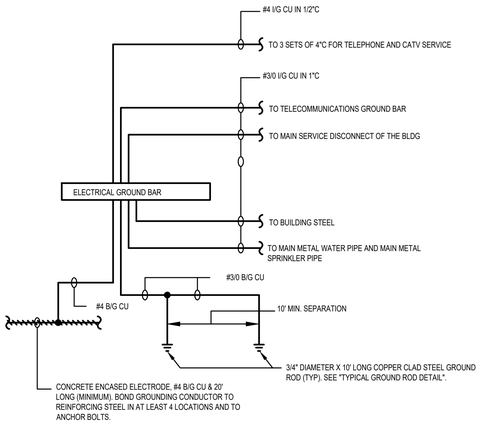
NOT TO SCALE

SYSTEM OUTPUTS

		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
		ACTUATE FACP TROUBLE LAMP	ACTUATE FACP AUDIBLE TROUBLE SIGNAL	ACTUATE FACP SUPERVISORY LAMP	ACTUATE FACP AUDIBLE SUPERVISORY SIGNAL	ACTUATE FACP ALARM LAMP	ACTUATE FACP AUDIBLE ALARM SIGNAL	ACTUATE REMOTE ANNUNCIATOR PANEL	EVACUATION SIGNAL TO ALL BUILDING AREAS	DISPLAY CHANGE OF STATUS	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATIONS	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATIONS	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATIONS	SHUT DOWN ASSOCIATED AIR HANDLER	DE-ENERGIZE DOOR HOLD-OPEN DEVICE	CLOSE ASSOCIATED SMOKE DAMPER	
1	ANY GENERAL BUILDING DETECTOR IN TROUBLE	X	X					X		X	X						1
2	ANY GENERAL BUILDING DETECTOR IN ALARM					X	X	X	X	X			X				2
3	ANY GENERAL BUILDING MANUAL PULL STATION IN ALARM					X	X	X	X	X			X				3
4	ANY DUCT DETECTOR IN ALARM			X	X			X		X		X		X		X	4
5	FIRE ALARM AC POWER FAILURE			X	X			X		X		X					5
6	FIRE ALARM SYSTEM LOW BATTERY	X	X					X		X	X						6
7	OPEN CIRCUIT	X	X					X		X	X						7
8	GROUND FAULT	X	X					X		X	X						8
9	NOTIFICATION APPLIANCE CIRCUIT SHORT	X	X					X		X	X						9
10	ANY TROUBLE ALARM	X	X					X		X	X						10
11	SMOKE DETECTOR ADJACENT TO DOOR HOLD-OPEN					X	X	X	X	X			X		X		11
12	KITCHEN HOOD EXTINGUISHING SYSTEM ACTIVATION					X	X	X	X	X			X				12
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

FIRE ALARM MATRIX OF OPERATION

NOT TO SCALE



SERVICE ENTRANCE GROUNDING DETAIL

NOT TO SCALE

TYPICAL GROUND ROD DETAIL

NOT TO SCALE

NOTES:

1. GROUND BAR SHALL BE UL LISTED HARGER GBI14412C WITH MOUNTING BRACKETS, STANDOFF INSULATORS, AND CONNECTORS FOR CONDUCTORS.

TYPICAL ELECTRICAL GROUND BAR (EGB) AND TELECOMMUNICATIONS GROUND BAR (TGB) DETAIL

NOT TO SCALE

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Drawing Title	DETAILS	Drawing Number	E5.3
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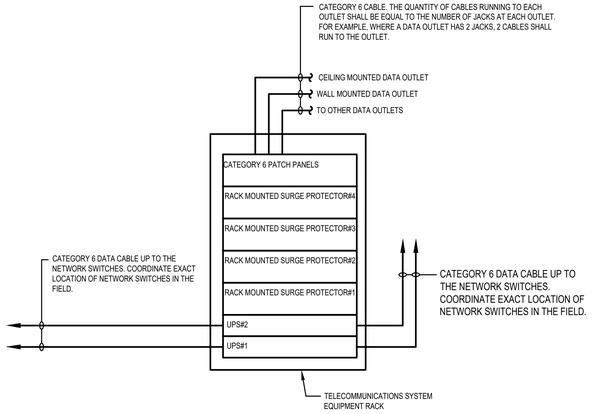
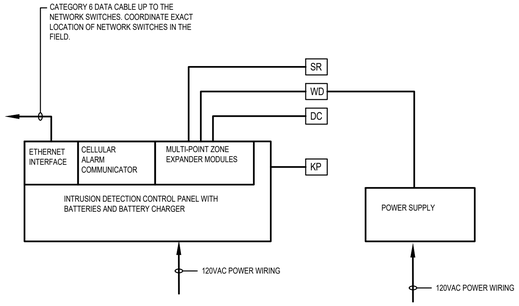


TELECOMMUNICATIONS SYSTEM BLOCK DIAGRAM

NOT TO SCALE

TELECOMMUNICATIONS SYSTEM NOTES:

1. PROVIDE WIRING, PROGRAMMING, CONTROLS, POWER, HARDWARE, AND ACCESSORIES FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.
2. QUANTITIES AND LOCATIONS OF EQUIPMENT SHALL COMPLY WITH THE PLAN DRAWINGS, DIAGRAMS, SPECIFICATIONS, AND OTHER REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS.
3. PROVIDE 1 CATEGORY 6 CABLE FROM EACH CATEGORY 6 JACK AT EACH OUTLET, UP TO THE PATCH PANELS AT THE TELECOMMUNICATIONS EQUIPMENT RACK. THE QUANTITY OF CATEGORY 6 JACKS AT EACH OUTLET IS INDICATED IN THE SYMBOL LIST, PLAN DRAWINGS, OR ELSEWHERE IN THE CONTRACT DOCUMENTS.
4. THE PATCH PANELS SHALL BE SUFFICIENT IN SIZE/QUANTITY TO ACCOMMODATE ALL THE CABLING IN THE PROJECT, PLUS 50% SPARE.
5. THE QUANTITY OF UPS AND RACK MOUNTED SURGE PROTECTORS SHALL BE IN ACCORDANCE WITH THIS BLOCK DIAGRAM. ONE UPS SHALL POWER UP TO 2 RACK MOUNTED SURGE PROTECTORS.
6. PROVIDE A 3/4" THICK FIRE RETARDANT PLYWOOD BOARD ON ALL WALLS INSIDE THE TELECOMMUNICATIONS OR IT ROOM, EXCEPT THE WALL WHERE THE DOOR IS LOCATED, UNLESS OTHERWISE NOTED. THE BOARD SHALL BE INSTALLED FROM WALL TO WALL, FROM A HEIGHT OF 12" ABOVE THE FLOOR, TO 12" BELOW THE CEILING, UNLESS OTHERWISE NOTED.



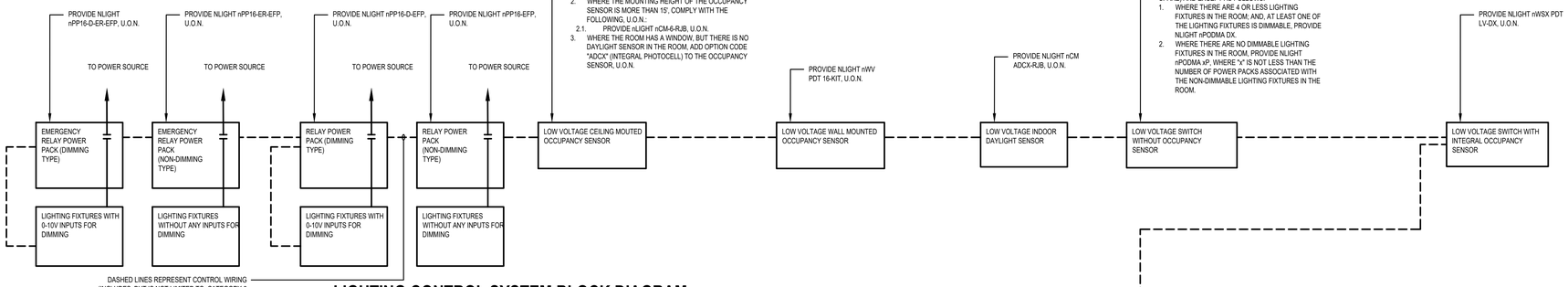
INTRUSION DETECTION SYSTEM BLOCK DIAGRAM

INTRUSION DETECTION SYSTEM NOTES:

1. PROVIDE WIRING, PROGRAMMING, CONTROLS, POWER, HARDWARE, AND ACCESSORIES FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.
2. QUANTITIES AND LOCATIONS OF EQUIPMENT SHALL COMPLY WITH THE PLAN DRAWINGS, DIAGRAMS, SPECIFICATIONS, AND OTHER REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS.
3. PROVIDE POWER SUPPLIES AS REQUIRED TO POWER ALL THE INTRUSION DETECTION SYSTEM EQUIPMENT, AND MEET THE BATTERY BACKUP REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE A GREATER QUANTITY IS INDICATED IN THE CONTRACT DOCUMENTS, COMPLY WITH THE GREATER QUANTITY. WHERE THE LOCATIONS OF THE POWER SUPPLIES ARE NOT INDICATED IN THE PLAN DRAWINGS, THEY SHALL BE LOCATED ADJACENT TO THE INTRUSION DETECTION CONTROL PANEL. COORDINATE EXACT LOCATION OF CONTROL PANELS AND POWER SUPPLIES AS REQUIRED TO MAXIMIZE THE USE THE WALL SPACE WHERE THEY ARE INSTALLED. MOUNT THE CONTROL PANELS AND POWER SUPPLIES ABOVE AND BELOW EACH OTHER AS REQUIRED. EQUIPMENT SHALL BE POWERED FROM THE NEAREST POWER SUPPLY, UNLESS OTHERWISE NOTED.
4. EACH INTRUSION DETECTION DEVICE SHALL HAVE A DEDICATED ZONE, SO THAT WHEN AN ALARM IS TRIGGERED BY THE DEVICE, THE SYSTEM KNOWS WHICH SPECIFIC DEVICE WENT INTO ALARM.

CCTV CAMERA SCHEDULE

CAMERA NUMBER	CAMERA TYPE	LOCATION	MOUNTING
01	JUNCTION BOX FOR OUTDOOR CAMERA PROVIDE WEATHERPROOF ENCLOSURE AND SEAL	EXTERIOR CORNER OF WADING POOL EQUIPMENT 101	WALL AT 7.5' AFF
02	JUNCTION BOX FOR OUTDOOR CAMERA PROVIDE WEATHERPROOF ENCLOSURE AND SEAL	EXTERIOR CORNER OF WADING POOL EQUIPMENT 101	WALL AT 7.5' AFF
03	JUNCTION BOX FOR OUTDOOR CAMERA PROVIDE WEATHERPROOF ENCLOSURE AND SEAL	EXTERIOR CORNER OF MULTIPURPOSE ROOM 100	WALL AT 7.5' AFF
04	JUNCTION BOX FOR OUTDOOR CAMERA PROVIDE WEATHERPROOF ENCLOSURE AND SEAL	EXTERIOR CORNER OF MULTIPURPOSE ROOM 100	WALL AT 7.5' AFF
05	JUNCTION BOX FOR OUTDOOR CAMERA PROVIDE WEATHERPROOF ENCLOSURE AND SEAL	EXTERIOR CORNER OF STORAGE 114	WALL AT 7.5' AFF
06	JUNCTION BOX FOR OUTDOOR CAMERA PROVIDE WEATHERPROOF ENCLOSURE AND SEAL	EXTERIOR CORNER OF STORAGE 114	WALL AT 7.5' AFF
07	JUNCTION BOX FOR OUTDOOR CAMERA PROVIDE WEATHERPROOF ENCLOSURE AND SEAL	EXTERIOR CORNER OF MANAGER'S OFFICE 110	WALL AT 7.5' AFF
08	JUNCTION BOX FOR OUTDOOR CAMERA PROVIDE WEATHERPROOF ENCLOSURE AND SEAL	EXTERIOR CORNER OF MANAGER'S OFFICE 110	WALL AT 7.5' AFF
09	JUNCTION BOX FOR INDOOR CAMERA	MULTIPURPOSE ROOM 100	WALL AT 7.5' AFF
10	JUNCTION BOX FOR INDOOR CAMERA	MULTIPURPOSE ROOM 100	WALL AT 7.5' AFF
11	JUNCTION BOX FOR INDOOR CAMERA	BREAK ROOM 104	WALL AT 7.5' AFF
12	JUNCTION BOX FOR INDOOR CAMERA	CORRIDOR 103	WALL AT 7.5' AFF
13	JUNCTION BOX FOR INDOOR CAMERA	DOOR OF CORRIDOR 103	WALL AT 7.5' AFF
14	JUNCTION BOX FOR INDOOR CAMERA	CORRIDOR 109	WALL AT 7.5' AFF



LIGHTING CONTROL SYSTEM BLOCK DIAGRAM

NOT TO SCALE

LIGHTING CONTROL SYSTEM NOTES:

1. PROVIDE WIRING, PROGRAMMING, CONTROLS, POWER, HARDWARE, AND ACCESSORIES FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.
2. QUANTITIES AND LOCATIONS OF EQUIPMENT SHALL COMPLY WITH THE PLAN DRAWINGS, DIAGRAMS, SPECIFICATIONS, AND OTHER REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS.
3. WHERE 120/277V POWER IS REQUIRED BY EQUIPMENT (INCLUDING, BUT NOT LIMITED TO, THE LIGHTING RELAY PANELS, NLIGHT ECLYPSE SYSTEM CONTROLLER, AND TOUCH SCREEN TYPE LIGHT SWITCHES), AND THE BRANCH CIRCUIT POWER SOURCE FOR THE EQUIPMENT IS NOT INDICATED IN THE PLAN DRAWINGS, PROVIDE WIRING/CONDUIT FROM THE EQUIPMENT TO THE UNSWITCHED SIDE OF THE NEAREST 120/277V, 20A LIGHTING BRANCH CIRCUIT, WHICH HAS LIGHTING FIXTURES THAT ARE CONTROLLED BY THE LIGHTING CONTROL SYSTEM. WHERE AT LEAST ONE OF THE CIRCUITS CONTROLLED BY THE RELAY PANEL OR SYSTEM CONTROLLER IS AN EMERGENCY CIRCUIT, THE PANEL/CONTROLLER SHALL BE POWERED FROM THE UNSWITCHED SIDE OF THE NEAREST 120/277V, 20A EMERGENCY LIGHTING BRANCH CIRCUIT. WIRING/CONDUIT FROM THE EQUIPMENT TO WHERE IT CONNECTS TO THE LIGHTING BRANCH CIRCUIT, SHALL BE EQUAL IN SIZE/QUANTITY TO THE LIGHTING BRANCH CIRCUIT WIRING/CONDUIT. THE CIRCUIT NUMBER SHALL BE LABELED ON THE EQUIPMENT.
4. POWER POWER PACKS AND POWER SUPPLIES FOR ALL EQUIPMENT THAT REQUIRE IT.
5. IN THIS DIAGRAM, "ROOM" SHALL INCLUDE, BUT NOT BE LIMITED TO, CORRIDORS AND ALL SPACES INSIDE THE BUILDING.
6. WHERE THE LIGHTING FIXTURE INCLUDES INTEGRAL BATTERY BACKUP, PROVIDE AN UNSWITCHED "HOT" WIRE UP TO THE LIGHTING FIXTURE, IN ADDITION TO ANY "HOT" WIRE THAT IS BEING SWITCHED BY POWER PACKS, RELAYS, OR OTHER EQUIPMENT. PROVIDE THE UNSWITCHED "HOT" WIRE WHETHER OR NOT IT IS INDICATED IN THE PLAN DRAWINGS OR ELSEWHERE IN THE CONTRACT DOCUMENTS.
7. BATTERY BACKUP EMERGENCY LIGHTING UNITS (LIGHTS TURN ON ONLY WHEN THERE IS A POWER OUTAGE), AND BATTERY BACKUP EXIT LIGHTS SHALL BE POWERED BY UNSWITCHED "HOT" WIRES. THESE LIGHTS SHALL NOT BE SWITCHED BY POWER PACKS, RELAYS, OR OTHER EQUIPMENT. PROVIDE THE UNSWITCHED "HOT" WIRE WHETHER OR NOT IT IS INDICATED IN THE PLAN DRAWINGS OR ELSEWHERE IN THE CONTRACT DOCUMENTS.
8. THE BRANCH CIRCUITS FOR LIGHTING FIXTURES SHALL RUN THROUGH THE POWER PACKS THAT ARE LOCATED IN THE SAME ROOM AS THE LIGHTING FIXTURES, WHETHER OR NOT THIS IS SHOWN IN THE PLAN DRAWINGS. WHERE THERE ARE MULTIPLE POWER PACKS IN THE SAME ROOM, THIS SHALL MEAN THAT THERE ARE SEVERAL GROUPS OF LIGHTS IN THE ROOM, AND EACH GROUP CAN BE SEPARATELY CONTROLLED THROUGH ITS ASSOCIATED POWER PACK.
9. WHERE CEILING MOUNTED OCCUPANCY SENSORS AND INDOOR DAYLIGHT SENSORS ARE SHOWN IN ROOMS WITHOUT A SUSPENDED CEILING, THE SENSORS SHALL BE SUSPENDED AT 9' AFF OR AT THE SAME HEIGHT AS THE LIGHT FIXTURES BEING CONTROLLED BY THE SENSORS, WHICHEVER IS HIGHER, U.O.N.
10. WHERE POWER PACKS ARE SHOWN IN ROOMS WITHOUT A SUSPENDED CEILING, THE POWER PACKS SHALL BE SUSPENDED AT 9'AFF OR AT THE SAME HEIGHT AS THE LIGHT FIXTURES BEING CONTROLLED BY THE POWER PACK, WHICHEVER IS HIGHER, U.O.N.
11. WHERE THE COMMUNICATIONS BRIDGE AND SYSTEM CONTROLLER ARE NOT SHOWN IN THE PLAN DRAWINGS, THESE EQUIPMENT SHALL BE INSTALLED IN THE ELECTRICAL AND IT/TELECOMMUNICATIONS ROOMS. WHERE THERE ARE NO ELECTRICAL OR IT/TELECOMMUNICATIONS ROOMS, THESE EQUIPMENT SHALL BE INSTALLED IN STORAGE ROOMS. EXACT LOCATION OF EQUIPMENT SHALL BE COORDINATED IN THE FIELD.
12. ALL POWER PACKS SHALL BE DIMMING TYPE (WITH 0-10V OUTPUTS FOR DIMMING LIGHTING FIXTURES) U.O.N. AND EXCEPT AS FOLLOWS:
12.1. WHERE ALL LIGHTING FIXTURES ASSOCIATED WITH THE POWER PACK DO NOT HAVE 0-10V DIMMING INPUTS, THE POWER PACK SHALL BE NON-DIMMING TYPE.
13. IN ROOMS WITH DAYLIGHT SENSORS, THE 1ST ROW OF LIGHTS ADJACENT TO THE EXTERIOR WALL THAT IS CLOSEST TO THE DAYLIGHT SENSOR, SHALL BE CONTROLLED BY THAT DAYLIGHT SENSOR. ALL LIGHTS IN THE 1ST ROW SHALL BE CONNECTED TO THE SAME RELAY POWER PACK (DIMMING TYPE). PROVIDE DEDICATED RELAY POWER PACKS (DIMMING TYPE) TO DIM THE 1ST ROW LIGHTS, WHETHER OR NOT IT IS INDICATED IN THE PLAN DRAWINGS. THESE RULES SHALL ALSO APPLY TO ROOMS WITH MULTIPLE DAYLIGHT SENSORS, WITH EACH SENSOR CONTROLLING A SEPARATE ROW OF LIGHTS. WHERE A LIGHT IS COMMON TO 2 SEPARATE ROWS OF LIGHTS, THE LIGHT SHALL BE ASSOCIATED WITH ROW OF LIGHTS THAT IS ADJACENT TO THE EXTERIOR WALL WHICH HAS MORE AVAILABLE DAYLIGHT.
14. PRELIMINARY SEQUENCE OF OPERATIONS:
14.1. THE PRELIMINARY SEQUENCE OF OPERATIONS SHALL BE MODIFIED BASED ON THE OWNER'S REQUIREMENTS. MAXIMUM/MINIMUM LIGHTING LEVELS AND TIME DELAYS SHALL BE PROGRAMMED PER THE OWNER'S REQUIREMENTS. COORDINATE WITH THE OWNER PRIOR TO FINAL PROGRAMMING OF THE SYSTEM.
14.2. WHERE THE ROOMS HAVE LOW VOLTAGE SWITCHES AND OCCUPANCY SENSORS, ALL LIGHTS IN THE ROOM SHALL TURN ON TO 50% LIGHT OUTPUT WHEN MOTION IS SENSED, AND, PRESSING A BUTTON ON THE SWITCH AFTERWARDS SHALL ALLOW A PERSON TO CHANGE THE LIGHTING LEVEL. AT LEAST ONE OF THE BUTTONS ON THE SWITCH SHALL TURN THE LIGHTS TO MAXIMUM LIGHT OUTPUT, AND AT LEAST ONE OF THE BUTTONS ON THE SWITCH SHALL TURN THE LIGHTS OFF. EXCEPTIONS TO THIS RULE ARE AS FOLLOWS:
14.2.1. IN VESTIBULES, LOBBIES, CORRIDORS, STAIRWAYS, AND BATHROOMS, THE LIGHTS SHALL TURN ON TO MAXIMUM LIGHT OUTPUT WHEN MOTION IS SENSED, AND, PRESSING A BUTTON ON THE SWITCH AFTERWARDS SHALL ALLOW A PERSON TO CHANGE THE LIGHTING LEVEL. AT LEAST ONE OF THE BUTTONS ON THE SWITCH SHALL TURN THE LIGHTS TO MAXIMUM LIGHT OUTPUT, AND AT LEAST ONE OF THE BUTTONS ON THE SWITCH SHALL TURN THE LIGHTS OFF.
14.3. WHERE THE ROOMS HAVE LOW VOLTAGE SWITCHES AND OCCUPANCY SENSORS, AFTER THE LIGHTS HAVE TURNED ON, THE LIGHTS CAN BE SET TO ANY LIGHTING LEVEL. THE LIGHTS SHALL REMAIN AT THE SET LIGHTING LEVEL WHILE MOTION IS BEING SENSED.
14.4. WHERE THE ROOMS HAVE LOW VOLTAGE OCCUPANCY SENSORS, BUT NO LOW VOLTAGE SWITCHES, ALL LIGHTS IN THE ROOM SHALL TURN ON TO 100% LIGHT OUTPUT WHEN MOTION IS SENSED.
14.5. WHERE THE ROOMS HAVE LOW VOLTAGE SWITCHES, BUT NO LOW VOLTAGE OCCUPANCY SENSORS, PRESSING THE SWITCH SHALL TURN THE LIGHTS ON/OFF AND CONTROL THE LIGHTING LEVEL. THERE SHALL BE NO AUTOMATIC LIGHT CONTROL FOR THESE ROOMS.
14.6. WHERE THE ROOMS HAVE LOW VOLTAGE INDOOR DAYLIGHT SENSORS, THE LIGHTS IN THE ROOM SHALL BE AUTOMATICALLY DIMMED BASED ON AMOUNT OF DAYLIGHT COMING INTO THE ROOM FROM THE OUTSIDE.
14.7. AFTER A FIELD ADJUSTABLE TIME DELAY (LASTING NO LONGER THAN 20 MINUTES) FROM WHEN MOTION WAS LAST SENSED, THE LIGHTS IN THE ROOM SHALL TURN OFF, U.O.N. AND EXCEPT AS FOLLOWS:
14.7.1. IN VESTIBULES, LOBBIES, CORRIDORS AND STAIRWAYS, THE LIGHTS SHALL DIM TO 20% LIGHT OUTPUT. INCREASE THIS LIGHT OUTPUT AS REQUIRED SO THAT THERE ARE NO DARK SPOTS IN THE CORRIDORS AND STAIRWAYS. WHERE THERE IS A SWITCH FOR THE ROOM, PRESSING THE OFF BUTTON ON THE SWITCH SHALL TURN THE LIGHTS COMPLETELY OFF.
14.7.2. WHERE THERE ARE SERVICE EQUIPMENT, SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, OR MOTOR CONTROL CENTERS INSTALLED IN ROOMS WHICH HAVE OCCUPANCY SENSORS, THE GROUP OF LIGHTS WHICH ARE ADJACENT TO THE ELECTRICAL EQUIPMENT SHALL DIM TO 50% LIGHT OUTPUT. INCREASE THIS LIGHT OUTPUT AS REQUIRED SO THAT THERE ARE NO DARK SPOTS IN THE WORKING SPACE ASSOCIATED WITH THE EQUIPMENT. WHERE THERE IS A SWITCH FOR THE ROOM, PRESSING THE OFF BUTTON ON THE SWITCH SHALL TURN THE LIGHTS COMPLETELY OFF.
14.8. EXTERIOR LIGHTS SHALL BE CONTROLLED BY THE LOW VOLTAGE OUTDOOR PHOTOCELL.

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

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Revisions:

No.	Date	Description

PATTERSON PARK POOL HOUSE RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	MY, VA	Drawn
Scale	AS INDICATED	MY	Checked
Date	02/19/2026	JY	Approved

Drawing Title: BLOCK DIAGRAMS AND CAMERA SCHEDULE

Drawing Number: E5.4

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LIGHTING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	MANUFACTURER CATALOG #	LAMPS NO.	LAMPS TYPE	VOLTS	VOLT AMPERES	LUMENS	MOUNTING	REMARKS
A1/A1E	LINEAR RECESSED LED LIGHT	AXIS LIGHTING MODEL TYPE A1: #BBRLED-400-90-35-FL-4-FINISH BY ARCHITECT-UNV-DP-1-D TYPE A1E: #BBRLED-400-90-35-FL-4-FINISH BY ARCHITECT-UNV-DP-1-D-B	1	LED	120	15	1600	RECESSED	
A2/A2E	LINEAR RECESSED LED LIGHT	AXIS LIGHTING MODEL TYPE A2: #BBRLED-1000-90-35-FL-4-FINISH BY ARCHITECT-UNV-DP-1-D TYPE A2E: #BBRLED-1000-90-35-FL-4-FINISH BY ARCHITECT-UNV-DP-1-D-B	1	LED	120	38	4000	RECESSED	
D/DE	6" nLIGHT ENABLED LED RECESSED DOWN LIGHT	GOTHAM LIGHTING MODEL TYPE D: #EVO6-35-05-AR-LSS-WD-MVOLT-GZ1-NLT TYPE DE: #EVO6-35-05-AR-LSS-WD-MVOLT-GZ1-NLT-EL	1	6W LED	120	6	500	RECESSED	
L8/L8E	8' LED PENDANT DIRECT LINEAR LIGHT	AXIS LIGHTING MODEL TYPE L8: #TB4DLED-1000-90-34-SO-8-FINISH BY ARCHITECT-UNV-DP-1-CT9 TYPE L8E: #TB4DLED-1000-90-34-SO-8-FINISH BY ARCHITECT-UNV-DP-1-CT9-B	1	LED	120	76	8000	SUSPENDED 8' AFF	
L4/L4E	4' LED PENDANT DIRECT LINEAR LIGHT	AXIS LIGHTING MODEL TYPE L4: #TB4DLED-1000-90-34-SO-4-FINISH BY ARCHITECT-UNV-DP-1-CT9 TYPE L4E: #TB4DLED-1000-90-34-SO-4-FINISH BY ARCHITECT-UNV-DP-1-CT9-B	1	LED	120	38	4000	SUSPENDED 8' AFF	
WALL MTD E / E CLG MTD	EXIT SIGN LIGHT WITH BATTERY BACKUP WHITE HOUSING WITH RED LETTER	LITHONIA LIGHTING MODEL #LQM-S-W-R-120/277-ELN-SD	-	LED	120	-	-	CEILING/ WALL	
U	nLIGHT ENABLED SUSPENDED 1X4 LED LINEAR LIGHT WITH BATTERY PACK	LITHONIA LIGHTING MODEL #CLX-L48-3000LM-SEF-FDL-WD-MVOLT-EZ1-35K-90CRI-E10WLCP-N100-FINISH BY ARCHITECT	1	LED	120	24	3000	SUSPENDED 8' AFF	
V	LED VANITY LIGHT	LITHONIA LIGHTING MODEL #FMVTSL-36IN-MVOLT-30K-90CRI-BN	1	LED	120	26	1900	WALL ABOVE MIRROR	
W1	LED WALL PACK; 4000K	LITHONIA LIGHTING MODEL #TWR1-ALO-SWW2-UVOLT-PE-DDBTXD	1	LED	120	16	2300	WALL	
W2	LED WALL PACK, WITH EMERGENCY BATTERY PACK	LITHONIA LIGHTING MODEL #MRWLED-P1-40K-SR2-MVOLT-PE-E20WC-FINISH BY ARCHITECT	1	LED	120	20	2251	WALL	

LIGHTING NOTES:

1. PROVIDE LIGHTING FIXTURES INDICATED ON THE LIGHTING FIXTURE SCHEDULE. LIGHTING FIXTURES SUBJECT TO APPROVAL BY THE OWNER, ENGINEER AND ARCHITECT.
2. MOUNTING HEIGHTS SHOWN IN THE LIGHTING FIXTURE SCHEDULE (THIS INCLUDES THE LIGHTING NOTES) ARE MEASURED FROM THE FINISHED FLOOR OR GRADE TO THE BOTTOM OF THE LIGHTING FIXTURE U.O.N.
3. ALL LIGHTING FIXTURES INSTALLED OUTDOORS SHALL BE UL LISTED FOR WET LOCATIONS.
4. IN NO CASE SHALL THE BOTTOM OF EXIT SIGNS, OR WALL MOUNTED LIGHTING FIXTURES MORE THAN 4" DEEP, BE MOUNTED LESS THAN 80" AFF WHERE THEY ARE LOCATED IN THE PATH OF TRAVEL OR IN THE MEANS OF EGRESS. FIELD SURVEY, COORDINATE AND ADJUST IN THE FIELD. THIS MOUNTING HEIGHT REQUIREMENT SHALL SUPERCEDE MOUNTING HEIGHTS INDICATED ELSEWHERE IN THE DRAWINGS OR SPECIFICATIONS.
5. WHERE "COLOR BY ARCHITECT" IS INDICATED IN THE MODEL NUMBER OF THE LIGHTING FIXTURE, THIS SHALL MEAN THAT THE COLOR SHALL BE SELECTED BY THE ARCHITECT AND/OR ENGINEER DURING THE SHOP DRAWING SUBMITTAL STAGE. SUBMIT COLOR CHART AND/OR COLOR SAMPLES FOR REVIEW.
6. EXIT LIGHTING: FACE OF EXIT LIGHTING FIXTURES SHALL BE ON THE SHADED QUADRANT. PROVIDE 1 OR 2 FACES FOR EXIT LIGHTING AS INDICATED ON THE DRAWINGS. PROVIDE ARROWS FOR EXIT LIGHTING AS INDICATED ON THE DRAWINGS.
7. VANITY LIGHTING SHALL BE DAMP LOCATION LISTED.
8. ALL LIGHTING IN THE RESTROOMS AND BATHROOMS SHALL BE DAMP LOCATION LISTED. ALL LIGHTING IN THE SHOWER AREAS SHALL BE WET LOCATION LISTED.
9. PROVIDE ALL NECESSARY TRIMS AND ACCESSORIES PER CEILING AND WALL TYPE SHOWN ON ARCHITECTURAL PLANS.
10. SUSPENDED LIGHTS SHALL BE SUSPENDED AS INDICATED IN THE "MOUNTING" COLUMN ON THE LIGHTING FIXTURE SCHEDULE. INCREASE DISTANCE FROM TOP OF LIGHT TO THE CEILING AS REQUIRED BY THE MANUFACTURER. COMPLY WITH THE MANUFACTURER'S REQUIREMENTS.
11. FOR PENDANT AND SUSPENDED LIGHTS, PROVIDE ALL SUSPENSION AND PENDANT ACCESSORIES
12. REMARKS FOR TYPE "E" LIGHTING FIXTURES:
    - 12.1. WHERE THE LIGHTING FIXTURE IS WALL MOUNTED ABOVE A DOOR, IT SHALL BE WALL MOUNTED AT 7'-4" AFF.
    - 12.2. WHERE THE LIGHTING FIXTURE IS WALL MOUNTED, BUT IS NOT LOCATED ABOVE A DOOR, IT SHALL BE WALL MOUNTED AT 7' AFF.
13. WHERE SURFACE MOUNTED LIGHTING FIXTURES ARE INSTALLED ONTO GRID TYPE CEILINGS, PROVIDE ADDITIONAL MOUNTING EQUIPMENT, HARDWARE, PLATES, RODS, ETC AS REQUIRED TO SUPPORT THE LIGHTING FIXTURE DIRECTLY FROM THE BUILDING STRUCTURE. THE ADDITIONAL MOUNTING EQUIPMENT, HARDWARE, PLATES, RODS, ETC SHALL NOT BE VISIBLE FROM BELOW THE CEILING.

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	MY, VA	Drawn
Scale	AS INDICATED	MY	Checked
Date	02/19/2026	JY	Approved
Drawing Title	LIGHTING SCHEDULE	Drawing Number	E6.1
Sheet	66	68	Of

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PANEL SCHEDULE: RMDP

LOCATION: STORAGE 114
SUPPLY FROM: 3P 500A CB at EX Panel "P"
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 120/208 WYE
PHASE: 3
WIRES: 4

A.I.C. RATING: SEE POWER RISER DIAGRAM
BUS RATING: SEE POWER RISER DIAGRAM
MAIN OC: SEE POWER RISER DIAGRAM

Notes:

CKT	DESCRIPTION	Comments		Frame	Trip	P	A		B		C		P	Trip	Frame		Comments	DESCRIPTION	CKT
1	HWH-1 (WATER HEATER 106)			200	150	3	13333	0					3	60	100			SPD	2
3	--	--		--	--	--			13333	0			--	--	--		--	--	4
5	--	--		--	--	--					13333	0	--	--	--		--	--	6
7	PANEL RMP	PR		100	100	3	3024	7445					3	100	100		PR	PANEL RRP	8
9	--	--		--	--	--			5394	4660			--	--	--		--	--	10
11	--	--		--	--	--					5369	6641	--	--	--		--	--	12
13	HWH-2 (WATER HETER 106)			200	150	3	13333	0					3	200	200		PR	PANEL RPP	14
15	--	--		--	--	--			13333	0			--	--	--		--	--	16
17	--	--		--	--	--					13333	0	--	--	--		--	--	18
19	Spare			400	100	3	0	--					1	--	--			Space	20
21	--	--		--	--	--			0	--			1	--	--			Space	22
23	--	--		--	--	--					0	--	1	--	--			Space	24
25	Spare			400	150	3	0	--					1	--	--			Space	26
27	--	--		--	--	--			0	--			1	--	--			Space	28
29	--	--		--	--	--					0	--	1	--	--			Space	30
31	Spare			400	200	3	0	--					1	--	--			Space	32
33	--	--		--	--	--			0	--			1	--	--			Space	34
35	--	--		--	--	--					0	--	1	--	--			Space	36
37	Spare			400	100	3	0	--					1	--	--			Space	38
39	--	--		--	--	--			0	--			1	--	--			Space	40
41	--	--		--	--	--					0	--	1	--	--			Space	42
					LOAD:		37135 VA		36720 VA		38670 VA								
					AMPS:		310 A		306 A		323 A								

TOTAL

CONNECTED LOADS:	112524 VA
TOTAL CONNECTED AMP:	312 A

PANEL SCHEDULE: RMP

LOCATION: STORAGE 114
SUPPLY FROM: RMDP
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 120/208 WYE
PHASE: 3
WIRES: 4

A.I.C. RATING: SEE POWER RISER DIAGRAM
BUS RATING: SEE POWER RISER DIAGRAM
MAIN OC: SEE POWER RISER DIAGRAM

Notes:

CKT	DESCRIPTION	PANEL NOTE	WIRE	Frame	Trip	P	A		B		C		P	Trip	Frame	WIRE	PANEL NOTE	DESCRIPTION	CKT
1	EF-1/EF-2 (REST RM 111/112)		1-#10, 1-#10, 1-#10	100	20	1	600	300					1	20	100	1-#10, 1-#10, 1-#10		EF-3 (EQUIPMENT 101)	2
3	AHU-1 (POOL MECH 101B)		3-#12, 1-#12, 1-#12	100	15	3			390	1733			3	45	100	3-#4, 1-#4, 1-#8		HP-1 (OUTDOOR)	4
5	--		--	--	--	--					390	1733	--	--	--	--		--	6
7	--		--	--	--	--	390	1733					--	--	--	--		--	8
9	HP-2 (OUTDOOR)		2-#3, 1-#3, 1-#8	100	60	2			3120	150			1	20	100	1-#10, 1-#10, 1-#10		ERV-1 (STORAGE 114)	10
11	--		--	--	--	--					3120	125	1	20	100	1-#10, 1-#10, 1-#10		CP-1 (WATER HEATER 106)	12
13	Spare		--	100	15	2	0	0					1	20	100	1-#10, 1-#10, 1-#10		HEAT TRACE ELEMENT	14
15	--		--	--	--	--			0	--			1	--	--	--		Space	16
17	Spare		--	100	30	2					0	--	1	--	--	--		Space	18
19	--		--	--	--	--	0	--					1	--	--	--		Space	20
21	Spare		--	100	20	2			0	--			1	--	--	--		Space	22
23	--		--	--	--	--					0	--	1	--	--	--		Space	24
25	Spare		--	100	30	3	0	--					1	--	--	--		Space	26
27	--		--	--	--	--			0	--			1	--	--	--		Space	28
29	--		--	--	--	--					0	--	1	--	--	--		Space	30
31	Spare		--	100	20	3	0	--					1	--	--	--		Space	32
33	--		--	--	--	--			0	--			1	--	--	--		Space	34
35	--		--	--	--	--					0	--	1	--	--	--		Space	36
37	Spare		--	100	20	3	0	--					1	--	--	--		Space	38
39	--		--	--	--	--			0	--			1	--	--	--		Space	40
41	--		--	--	--	--					0	--	1	--	--	--		Space	42
43	Spare		--	100	20	1	0	--					1	--	--	--		Space	44
45	Spare		--	100	20	1			0	--			1	--	--	--		Space	46
47	Spare		--	100	20	1					0	--	1	--	--	--		Space	48
49	Spare		--	100	20	1	0	--					1	--	--	--		Space	50
51	Spare		--	100	20	1			0	--			1	--	--	--		Space	52
53	Spare		--	100	20	1					0	--	1	--	--	--		Space	54
					LOAD:		3024 VA		5394 VA		5369 VA								
					AMPS:		25 A		48 A		48 A								

TOTAL

CONNECTED LOADS:	13786 VA
TOTAL CONNECTED AMP:	38 A

CONDUIT SIZE TABLE

SIZE OF LARGEST WIRE RUN IN THE SAME CONDUIT	NUMBER OF WIRES RUN IN THE SAME CONDUIT (INCLUDES PHASE, NEUTRAL, AND/OR GROUND WIRES)		
	5 WIRES RUN IN THE SAME CONDUIT	4 WIRES RUN IN THE SAME CONDUIT	3 WIRES RUN IN THE SAME CONDUIT
#12	3/4"	3/4"	3/4"
#10	3/4"	3/4"	3/4"
#8	1"	3/4"	3/4"
#6	1"	1"	3/4"
#4	1 1/4"	1 1/4"	1"
#3	1 1/4"	1 1/4"	1 1/4"
#2	1 1/2"	1 1/4"	1 1/4"
#1	2"	1 1/2"	1 1/2"
#1/O	2"	2"	-
#2/O	2"	2"	-
#3/O	2 1/2"	2"	-
#4/O	2 1/2"	2 1/2"	-
250 KCMIL	3"	2 1/2"	-
300 KCMIL	3"	3"	-
350 KCMIL	3 1/2"	3"	-
400 KCMIL	3 1/2"	3"	-
500 KCMIL	4"	3 1/2"	-
600 KCMIL	4"	4"	-

CONDUIT SIZE TABLE NOTES:

1. COMPLY WITH THE CONDUIT SIZES SHOWN IN THIS TABLE FOR SERVICE CONDUCTORS, FEEDERS, AND BRANCH CIRCUITS RATED 600V OR LESS, UNLESS OTHERWISE NOTED. WHERE A CONDUIT SIZE IS INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS (INCLUDING, BUT NOT LIMITED TO: POWER PLANS; POWER ONE-LINE OR RISER DIAGRAMS; DETAILS; PANEL, SWITCHBOARD, SWITCHGEAR, OR MCC SCHEDULES; DUCTBANK SECTIONS; ETC.), COMPLY WITH THE INDICATED CONDUIT SIZE. WHERE A DUCTBANK SECTION IS PROVIDED, COMPLY WITH THE CONDUIT SIZE/QUANTITY INDICATED IN THE DUCTBANK SECTION. FOR THE UNDERGROUND PORTION OF THE CONDUIT. WHERE THE ABOVEGROUND AND UNDERGROUND CONDUIT SIZE/QUANTITY DO NOT MATCH, PROVIDE AN ABOVEGROUND JUNCTION BOX (SIZE/TYPE PER NEC AND THE CONTRACT DOCUMENTS) TO TRANSITION FROM THE ABOVEGROUND TO THE UNDERGROUND CONDUIT.

2. WHERE THE LARGEST WIRE SIZE, OR WHERE THE QUANTITY OF WIRES RUNNING IN THE SAME CONDUIT, IS NOT SHOWN IN THIS TABLE; AND, WHERE THE CONDUIT SIZE IS NOT INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS, THE CONDUIT SHALL BE SIZED IN ACCORDANCE WITH NEC REQUIREMENTS, UNLESS OTHERWISE NOTED.

KEY PLAN:

KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

GENERAL NOTES

1. WHERE "PR" IS INDICATED IN THE "COMMENTS" COLUMN OF THE PANEL SCHEDULE, THIS SHALL MEAN THAT THE WIRNG, CONDUIT, AND CIRCUIT BREAKER INFORMATION IS SHOWN IN THE POWER ONE-LINE DIAGRAM.
2. WHERE "G" IS INDICATED IN THE "COMMENTS" COLUMN OF THE PANEL SCHEDULE, THIS SHALL MEAN THAT CIRCUIT BREAKER SHALL BE GROUND FAULT CIRCUIT INTERRUPTER (PERSONNEL PROTECTION, CLASS A, TRIPS WHEM CURRENT TO GROUND IS 5mA OR HIGHER) TYPE.

BID SET

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	Author	Drawn
Scale		Checker	Checked
Date	02/19/2026	Approver	Approved

Drawing Title: PANEL SCHEDULES
Drawing Number: E6.2

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PANEL SCHEDULE: RRP

LOCATION: STORAGE 114
SUPPLY FROM: RMDP
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 120/208 WYE
PHASE: 3
WIRES: 4

A.I.C. RATING: SEE POWER RISER DIAGRAM
BUS RATING: SEE POWER RISER DIAGRAM
MAIN OC: SEE POWER RISER DIAGRAM

Notes:

CKT	DESCRIPTION	PANEL NOTE	WIRE	Frame	Trip	P	A		B		C		P	Trip	Frame	WIRE	PANEL NOTE	DESCRIPTION	CKT
1	PROJECTOR (MULTI RM 100)		1-#10, 1-#10, 1-#10	100	20	1	180	720					1	20	100	1-#10, 1-#10, 1-#10		RECEP. (MULTI PURP RM 100)	2
3	RECEP. (MULTI PURP RM 100)		1-#10, 1-#10, 1-#10	100	20	1			720	540			1	20	100	1-#10, 1-#10, 1-#10		RECEP. (MULTI PURP RM 100)	4
5	RECEP. (BRK RM 104)		1-#10, 1-#10, 1-#10	100	20	1					900	360	1	20	100	1-#10, 1-#10, 1-#10		RECEP. (BRK RM 104)	6
7	RECEP. (BRK RM 104)		1-#10, 1-#10, 1-#10	100	20	1	360	180					1	20	100	1-#10, 1-#10, 1-#10		REF. (BREAK RM 104)	8
9	RECEP. (WATER HEATR 106)		1-#10, 1-#10, 1-#10	100	20	1			720	360			1	20	100	1-#10, 1-#10, 1-#10		WATER COOLER (CORRIDOR 103)	10
11	RECEP. (WOMEN'S 108)		1-#10, 1-#10, 1-#10	100	20	1					720	540	1	20	100	1-#10, 1-#10, 1-#10		RECEP. (MEN'S RESTROOM)	12
13	RECEP. (OFFICE 110)		1-#10, 1-#10, 1-#10	100	20	1	1800	1800					1	20	100	1-#10, 1-#10, 1-#10		RECEP. (OFFICE 110)	14
15	RECEP. (REST RM 11/112,JAN 113)		1-#10, 1-#10, 1-#10	100	20	1			540	360			1	20	100	1-#10, 1-#10, 1-#10		RECEP. (CORRIDOR 109)	16
17	RECEP. (CORR 103)		1-#10, 1-#10, 1-#10	100	20	1					360	360	1	20	100	1-#10, 1-#10, 1-#10		RECEP. (EQUIPMENT 101)	18
19	RECEP. (EQUIPMENT 101)		1-#10, 1-#10, 1-#10	100	20	1	540	360					1	20	100	1-#10, 1-#10, 1-#10		RECEP. (RESTROOM 105)	20
21	HAND DRYER (REST RM 105)		1-#10, 1-#10, 1-#10	100	20	1			0	0			1	20	100	1-#10, 1-#10, 1-#10		HAND DRYER (REST RM 108)	22
23	HAND DRYER (REST RM 108)		1-#10, 1-#10, 1-#10	100	20	1					0	0	1	20	100	1-#10, 1-#10, 1-#10		HAND DRYER (REST RM 107)	24
25	HAND DRYER (REST RM 112)		1-#10, 1-#10, 1-#10	10	20	1	0	0					1	20	100	1-#10, 1-#10, 1-#10		HAND DRYER (REST RM 111)	26
27	RECEP. (OUTDOOR)		1-#10, 1-#10, 1-#10	100	20	1			720	200			1	20	100	1-#10, 1-#10, 1-#10		FACP	28
29	LIGHITNG (100/101)		1-#10, 1-#10, 1-#10	100	20	1					1138	1784	1	20	100	1-#10, 1-#10, 1-#10		LIGHTING	30
31	LIGHTING		1-#10, 1-#10, 1-#10	100	20	1	1195	316					1	20	100	1-#10, 1-#10, 1-#10		LIGHTING (OUTDOOR)	32
33	IDCP		--	100	20	1			500	0			1	20	100	1-#10, 1-#10, 1-#10		FAUCET XFMER(REST RM 105)	34
35	IDSP		--	100	20	1					500	0	1	20	100	1-#10, 1-#10, 1-#10		FAUCET XFMR (MEN'S 107)	36
37	FAUCET XFMR (REST RM 111/112)		1-#10, 1-#10, 1-#10	100	20	1	0	0					1	20	400	--		Spare	38
39	FAUCET XFMR 9REST RM 108)		1-#10, 1-#10, 1-#10	100	20	1			0	0			1	20	400	--		Spare	40
41	Spare		--	400	20	1					0	0	1	20	400	--		Spare	42
43	Spare		--	400	20	1	0	0					1	20	400	--		Spare	44
45	Spare		--	400	20	1			0	0			1	20	400	--		Spare	46
47	Spare		--	400	20	1					0	0	1	20	400	--		Spare	48
49	Spare		--	400	20	1	0	0					1	20	400	--		Spare	50
51	Spare		--	400	20	1			0	0			1	20	400	--		Spare	52
53	Spare		--	400	20	1					0	0	1	20	400	--		Spare	54
55	Spare		--	400	20	1	0	0					1	20	400	--		Spare	56
57	Spare		--	400	20	1			0	0			1	20	400	--		Spare	58
59	Spare		--	400	20	1					0	0	1	20	400	--		Spare	60
61	Spare		--	400	20	1	0	0					1	20	400	--		Spare	62
63	Spare		--	400	20	1			0	0			1	20	400	--		Spare	64
65	Space		--	--	--	1					--	--	1	--	--	--		Space	66
67	Space		--	--	--	1	--	--					1	--	--	--		Space	68
69	Space		--	--	--	1			--	--			1	--	--	--		Space	70
71	Space		--	--	--	1					--	--	1	--	--	--		Space	72
73	Space		--	--	--	1	--	--					1	--	--	--		Space	74
75	Space		--	--	--	1			--	--			1	--	--	--		Space	76
77	Space		--	--	--	1					--	--	1	--	--	--		Space	78
79	Space		--	--	--	1	--	--					1	--	--	--		Space	80
81	Space		--	--	--	1			--	--			1	--	--	--		Space	82
83	Space		--	--	--	1					--	--	1	--	--	--		Space	84
					LOAD:		7445 VA		4660 VA		6641 VA								
					AMPS:		65 A		39 A		58 A								

TOTAL

CONNECTED LOADS: 18743 VA
TOTAL CONNECTED AMP: 52 A

PANEL SCHEDULE: RPP

LOCATION: WADING POOL EQUIPMENT 101
SUPPLY FROM: RMDP
MOUNTING: Surface
ENCLOSURE: NEMA 4X

VOLTAGE: 120/208 WYE
PHASE: 3
WIRES: 4

A.I.C. RATING: SEE POWER RISER DIAGRAM
BUS RATING: SEE POWER RISER DIAGRAM
MAIN OC: SEE POWER RISER DIAGRAM

Notes:

CKT	DESCRIPTION	PANEL NOTE	WIRE	Frame	Trip	P	A		B		C		P	Trip	Frame	WIRE	PANEL NOTE	DESCRIPTION	CKT
1	Spare		--	400	20	1	0	0					1	20	400	--		Spare	2
3	Spare		--	400	20	1			0	0			1	20	400	--		Spare	4
5	Spare		--	400	20	1					0	0	1	20	400	--		Spare	6
7	Spare		--	400	20	1	0	0					1	20	400	--		Spare	8
9	Spare		--	400	20	1			0	0			1	20	400	--		Spare	10
11	Spare		--	400	20	1					0	0	1	20	400	--		Spare	12
13	Spare		--	400	20	1	0	0					1	20	400	--		Spare	14
15	Spare		--	400	20	1			0	0			1	20	400	--		Spare	16
17	Space		--	--	--	1					--	--	1	--	--	--		Space	18
19	Space		--	--	--	1	--	--					1	--	--	--		Space	20
21	Space		--	--	--	1			--	--			1	--	--	--		Space	22
23	Space		--	--	--	1					--	--	1	--	--	--		Space	24
25	Space		--	--	--	1	--	--					1	--	--	--		Space	26
27	Space		--	--	--	1			--	--			1	--	--	--		Space	28
29	Space		--	--	--	1					--	--	1	--	--	--		Space	30
31	Space		--	--	--	1	--	--					1	--	--	--		Space	32
33	Space		--	--	--	1			--	--			1	--	--	--		Space	34
35	Space		--	--	--	1					--	--	1	--	--	--		Space	36
37	Space		--	--	--	1	--	--					1	--	--	--		Space	38
39	Space		--	--	--	1			--	--			1	--	--	--		Space	40
41	Space		--	--	--	1					--	--	1	--	--	--		Space	42
43	Space		--	--	--	1	--	--					1	--	--	--		Space	44
45	Space		--	--	--	1			--	--			1	--	--	--		Space	46
47	Space		--	--	--	1					--	--	1	--	--	--		Space	48
49	Space		--	--	--	1	--	--					1	--	--	--		Space	50
51	Space		--	--	--	1			--	--			1	--	--	--		Space	52
53	Space		--	--	--	1					--	--	1	--	--	--		Space	54
					LOAD:		0 VA		0 VA		0 VA								
					AMPS:		0 A		0 A		0 A								

TOTAL

CONNECTED LOADS: 0 VA
TOTAL CONNECTED AMP: 0 A

CONDUIT SIZE TABLE

SIZE OF LARGEST WIRE RUN IN THE SAME CONDUIT	NUMBER OF WIRES RUN IN THE SAME CONDUIT (INCLUDES PHASE, NEUTRAL, AND/OR GROUND WIRES)		
	5 WIRES RUN IN THE SAME CONDUIT	4 WIRES RUN IN THE SAME CONDUIT	3 WIRES RUN IN THE SAME CONDUIT
#12	3/4"	3/4"	3/4"
#10	3/4"	3/4"	3/4"
#8	1"	3/4"	3/4"
#6	1"	1"	3/4"
#4	1 1/4"	1 1/4"	1"
#3	1 1/4"	1 1/4"	1 1/4"
#2	1 1/2"	1 1/4"	1 1/4"
#1	2"	1 1/2"	1 1/2"
#1/O	2"	2"	-
#2/O	2"	2"	-
#3/O	2 1/2"	2"	-
#4/O	2 1/2"	2 1/2"	-
250 KCMIL	3"	2 1/2"	-
300 KCMIL	3"	3"	-
350 KCMIL	3 1/2"	3"	-
400 KCMIL	3 1/2"	3"	-
500 KCMIL	4"	3 1/2"	-
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CONDUIT SIZE TABLE NOTES:

1. COMPLY WITH THE CONDUIT SIZES SHOWN IN THIS TABLE FOR SERVICE CONDUCTORS, FEEDERS, AND BRANCH CIRCUITS RATED 600V OR LESS, UNLESS OTHERWISE NOTED. WHERE A CONDUIT SIZE IS INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS (INCLUDING, BUT NOT LIMITED TO: POWER PLANS; POWER ONE-LINE OR RISER DIAGRAMS; DETAILS; PANEL, SWITCHBOARD, SWITCHGEAR, OR MCC SCHEDULES; DUCTBANK SECTIONS; ETC.), COMPLY WITH THE INDICATED CONDUIT SIZE. WHERE A DUCTBANK SECTION IS PROVIDED, COMPLY WITH THE CONDUIT SIZE/QUANTITY INDICATED IN THE DUCTBANK SECTION, FOR THE UNDERGROUND PORTION OF THE CONDUIT. WHERE THE ABOVEGROUND AND UNDERGROUND CONDUIT SIZE/QUANTITY DO NOT MATCH, PROVIDE AN ABOVEGROUND JUNCTION BOX (SIZE/TYPE PER NEC AND THE CONTRACT DOCUMENTS) TO TRANSITION FROM THE ABOVEGROUND TO THE UNDERGROUND CONDUIT.

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GENERAL NOTES

1. WHERE "PR" IS INDICATED IN THE "COMMENTS" COLUMN OF THE PANEL SCHEDULE, THIS SHALL MEAN THAT THE WIRNG, CONDUIT, AND CIRCUIT BREAKER INFORMATION IS SHOWN IN THE POWER ONE-LINE DIAGRAM.

2. WHERE "G' IS INDICATED IN THE 'COMMENTS" COLUMN OF THE PANEL SCHEDULE, THIS SHALL MEAN THAT CIRCUIT BREAKER SHALL BE GROUND FAULT CIRCUIT INTERRUPTER (PERSONNEL PROTECTION, CLASS A, TRIPS WHEM CURRENT TO GROUND IS 5mA OR HIGHER) TYPE.

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Revisions:

No.	Date	Description

PATTERSON PARK
POOL HOUSE
RENOVATION
BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS

Job No.	#23042	Author	Drawn
Scale		Checker	Checked
Date	02/19/2026	Approver	Approved

Drawing Title: PANEL SCHEDULES
Drawing Number: E6.3

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