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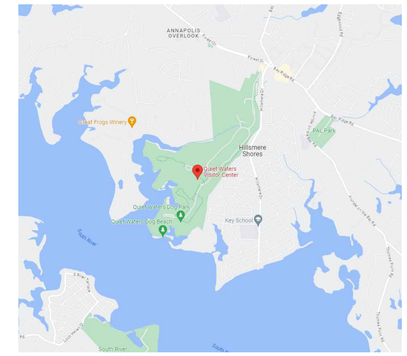
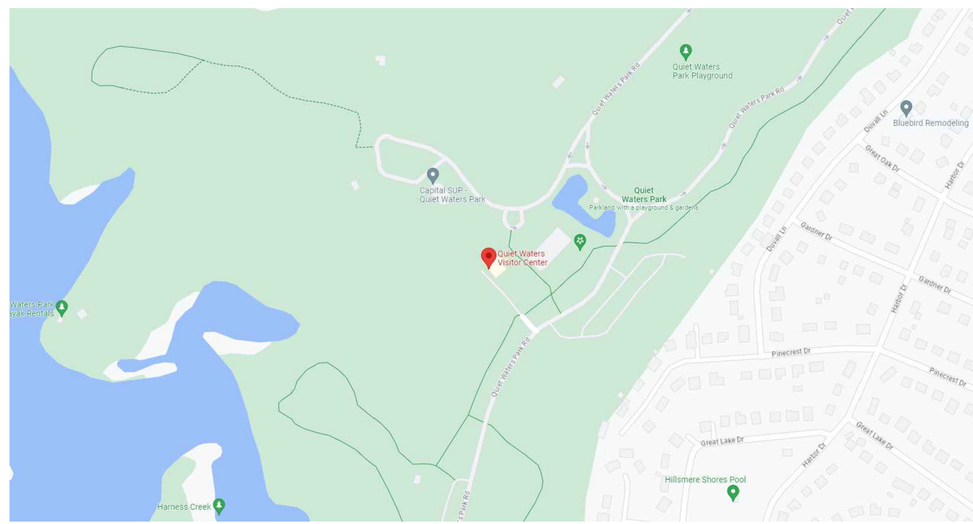
	FP103	VISITOR CENTER SECOND FLOOR FIRE PROTECTION PLAN
	FP104	BLUE HERON FIRE PROTECTION PLAN

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS QUIET WATERS PARK

FIRE PUMP BUILDING – VISITOR CENTER & BLUE HERON RENOVATIONS



AREA MAP



VICINITY MAP

Statement of Accessibility Review I hereby certify that these plans have been designed in conformance with the 2010 ADA Standards for Accessible Design, County Code, Maryland Accessibility Code and Accessible and Useable Buildings and Facilities – ICC A117.1– 2009 standard.

Print name: _____ Signature: _____ Date: _____

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND JOSEPH A. GRAVES No. 21386 ARCHITECT

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO. 1 OF 73	COVER SHEET — A000
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600	
		CONTRACT NO. P584608	

BUILDING CODE DATA

PROPERTY ADDRESS:
600 QUIET WATERS PARK ROAD
ANNAPOLIS, MD 21403

BUILDING KNOWN AS: QUIET WATERS FIRE PUMP BUILDING

FIRE DISTRICT: ANNE ARUNDEL COUNTY

LAND ZONING DESIGNATION: OS - OPEN SPACE

GENERAL DESCRIPTIONS OF BUILDING USE: FIRE PUMP BUILDING

APPLICABLE BUILDING CODES

INTERNATIONAL BUILDING CODE 2021
INTERNATIONAL MECHANICAL CODE 2021
INTERNATIONAL PLUMBING CODE 2021
INTERNATIONAL ENERGY CONSERVATION CODE 2021
INTERNATIONAL FUEL GAS CODE 2021
NATIONAL ELECTRICAL CODE 2020
NFPA 101 LIFE SAFETY CODE 2018
NFPA 1 FIRE PROTECTION CODE 2018
INTERNATIONAL CODE COUNCIL ICC A117.1-2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS CODE 2016
NFPA 72 FIRE ALARM CODE 2016

CLASSIFICATION OF WORK

USE GROUP: H-3
CONSTRUCTION TYPE V-B PER IBC 2021

AREA AND HEIGHT LIMITATIONS

ALLOWABLE AREA PER FLOOR: 5,000 SF
ACTUAL BUILDING AREA: 177 SF

ALLOWABLE HEIGHT: 1 STORIES
ACTUAL HEIGHT: 1 STORY

OCCUPANT LOAD PER FLOOR

FIRST FLOOR = 1

EXIT CAPACITY

TOTAL DOOR CLEAR WIDTH REQUIRED (1) x .2" = 0.2"
TOTAL DOOR CLEAR WIDTH PROVIDED: 36"

FIRE PROTECTION

AUTOMATIC SPRINKLER SYSTEMS: NFPA 13 COMPLIANT SYSTEM INCLUDED

FIRE ALARM: AUTOMATIC FIRE ALARM PROVIDED

FIRE RESISTANCE RATING FOR BUILDING COMPONENTS:
PRIMARY STRUCTURAL FRAME -0-
BEARING WALLS
EXTERIOR 10 ≤ X < 30 -1-
INTERIOR -0-
NONBEARING WALLS
EXTERIOR -0-
INTERIOR -0-
FLOOR CONSTRUCTION -0-
ROOF CONSTRUCTION -0-

INTERIOR FINISHES

2021 IBC TABLE 803.13
GROUP: H
AUTOMATIC SPRINKLER SYSTEMS: (SPRINKLERED)

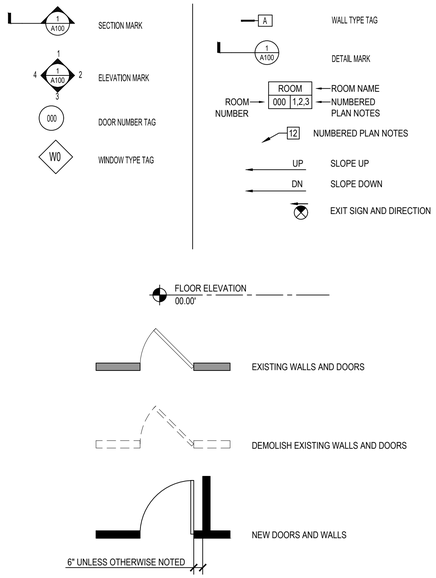
ROOMS AND ENCLOSED SPACES:
RATING: (C)

EXTERIOR ENVELOPE

2021 IECC TABLE C402.1.3
ROOF - ATTIC: REQUIRED: R-49 / PROVIDED: R-49
WALLS ABOVE GRADE - MASS: REQUIRED: R-9.5ci / PROVIDED: R-10ci
WALLS BELOW GRADE - MASS: REQUIRED: R-14.8ci / PROVIDED: R-15ci
SLAB-ON-GRADE FLOORS - UNHEATED: REQUIRED: R-15 / PROVIDED: R-15

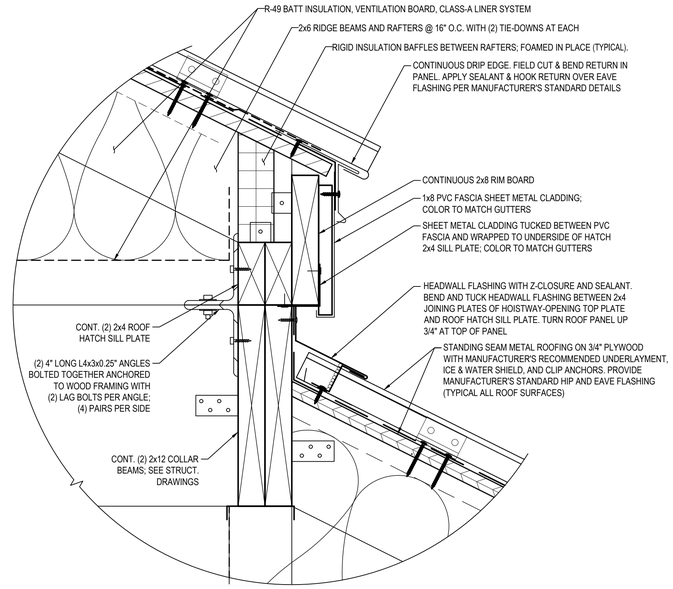
PLUMBING FIXTURE COUNT

FACILITIES AND FIXTURES NOT REQUIRED TO BE PROVIDED PER 403.3.3 & 403.5 - IPC 2021
(TRAVEL DISTANCE LESS THAN 500' TO VISITOR CENTER)



SYMBOL LEGEND

SCALE: NTS



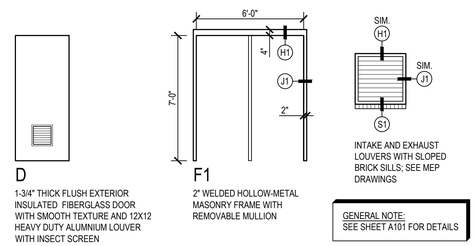
FIRE PUMP BUILDING ROOF HATCH DETAIL 1

SCALE: 3"=1'-0"

FIRE PUMP BUILDING DOOR SCHEDULE							
DOOR NO.	WIDTH	HEIGHT	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	HARDWARE
001	(2) 3'-0"	7'-0"	D	PAINTED	F1	PAINTED	HW SET FP

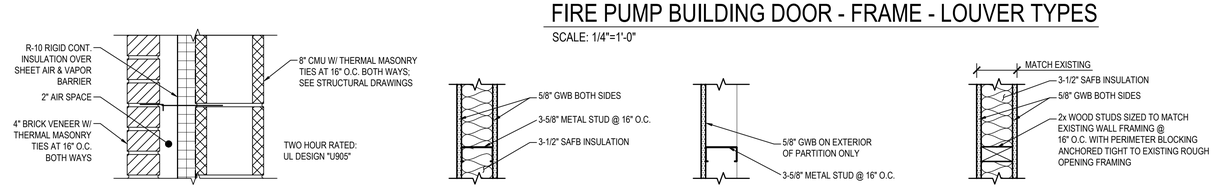
HW SET FP - DOUBLE DOOR
ACTIVE LEAF:
(3) MEDIUM FREQUENCY BALL BEARING HINGES
RIM EXIT DEVICE WITH NIGHT LATCH FUNCTION AND FLUSH PULL
SECURITY ASTRAGAL
REMOVABLE MULLION
SURFACE MOUNTED CLOSER (INTERIOR SIDE)
FULL WIDTH ALUMINUM THRESHOLD
FULL PERIMETER WEATHERSTRIPPING

INACTIVE LEAF:
(3) MEDIUM FREQUENCY BALL BEARING HINGES
SURFACE MOUNTED SLIDE BOLTS TOP AND BOTTOM (INTERIOR)
DOOR-MOUNTED DOOR STOP



FIRE PUMP BUILDING DOOR - FRAME - LOUVER TYPES

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



A WALL CONSTRUCTED TO 9'-4" ABOVE FINISHED FLOOR

B CONSTRUCT WALL FROM FINISH FLOOR TO UNDERSIDE OF CEILING ABOVE; ALIGN TOP PLATE WITH NEAREST EXISTING CEILING JOIST ABOVE.

C CONSTRUCT WALL FINISH FROM FINISHED FLOOR TO 6" ABOVE FINISHED CEILING. STUDS SHALL BE ANCHORED TO SLAB, EXISTING WALLS, AND DECKING ABOVE.

D INFILL EXISTING DOOR ROUGH OPENING TIGHT TO EXISTING FRAMING. BLEND NEW FINISHES TO MATCH ADJACENT WALL CONSTRUCTION.

WALL TYPES

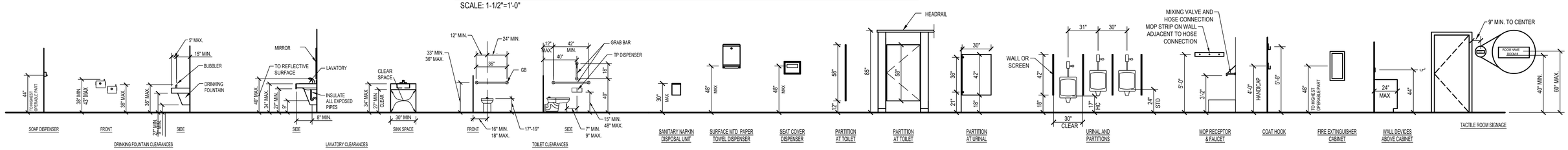
SCALE: 1-1/2"=1'-0"

GENERAL DEMOLITION NOTES:

1. IT IS THE INTENT OF THIS CONTRACT THAT THE BUILDING BE SELECTIVELY DEMOLISHED AS OUTLINED ON THE DRAWINGS IN PREPARATION FOR NEW WORK.
2. THE CONTRACTOR MUST ENSURE THAT DEMOLITION IS CONDUCTED IN A MINIMALLY INTRUSIVE MANNER, LIMITING THE REMOVAL OR DESTRUCTION OF EXISTING FINISHES STRICTLY TO WHAT IS NECESSARY TO EXECUTE THE REQUIRED REPAIRS.
3. TEMPORARILY ENCLOSE AREAS EXPOSED TO THE ELEMENTS TO ENSURE THE WATER TIGHTNESS OF THE BUILDING.
4. PROTECT BUILDING FROM DAMAGE WHILE REMOVING AND STORING ITEMS DESIGNATED TO BE DEMOLISHED.
5. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THE SCOPE AND LIMITS OF NEW WORK.
6. CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING AND TEMPORARY SUPPORT AS NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES TO REMAIN.
7. CONTRACTOR SHALL REMOVE ALL EXTRANEOUS ANCHORS, FASTENERS, WALL HANGERS, PROTRUSIONS AND ACCESSORIES ON EXISTING WALL SURFACES TO REMAIN.
8. WHERE INDICATED TO "DEMOLISH" OR "REMOVE", CONTRACTOR SHALL COMPLETELY DEMOLISH THE EXISTING PHYSICAL FEATURE AND DISPOSE OF THE MATERIALS OFF-SITE IN A LEGAL MANNER. ON-SITE BURNING OF MATERIAL SHALL NOT BE ALLOWED.
9. REMOVE ALL TRASH AND DELETERIOUS MATERIALS FROM THE SITE.
10. NOTIFY THE ARCHITECT AND OWNER BEFORE STARTING WORK.
11. SECURE OPENINGS AGAINST WEATHER DAMAGE AND UNAUTHORIZED ENTRY AT THE END OF EACH WORK DAY.
12. PROTECT ALL EXISTING STRUCTURE, MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS INDICATED TO REMAIN.
13. PROTECT ALL EXISTING FINISHES SCHEDULED TO REMAIN.
14. LEAVE DEMOLISHED AREAS READY TO RECEIVE NEW WORK. AFTER DEMOLITION IS COMPLETE, CONTRACTOR TO REPAIR ALL DAMAGE.
15. COMPLY WITH ALL LOCAL AND STATE CODES.
16. MAINTAIN TOTAL CONTROL OF DUST, AND BLOWING, AND DROPPING DEBRIS.
17. KEEP ALL SURROUNDING TRAFFICWAYS, BOTH PEDESTRIAN AND VEHICULAR, OPEN AND CLEAN AT ALL TIMES.
18. REMOVE EXISTING CONCRETE FLOOR SLAB ON GRADE AS NECESSARY TO INSTALL NEW UNDERSLAB UTILITIES. SAW CUT OPENING IN STRAIGHT LINES.
19. ALL EXISTING FLOOR FINISHES ARE TO BE DEMOLISHED TO THE EXISTING SUBSTRATE (UNLESS OTHERWISE NOTED)
20. ALL EXISTING CEILING FINISHES AND SUSPENDED CEILING GRID ARE TO BE DEMOLISHED.
21. CONTRACTOR SHALL DEMOLISH ALL EXISTING FEATURES AS OUTLINED IN THE DRAWINGS.
22. CUT NO NEW HOLES IN STRUCTURAL SLAB UNTIL LOCATED AND SUPPORT HAS BEEN VERIFIED
23. ALL EXISTING FIRE ALARM DEVICES ARE TO REMAIN FULLY FUNCTIONAL DURING CONSTRUCTION UNTIL NEW FIRE ALARM SYSTEM IS ACTIVATED.
24. SPRINKLER SYSTEM TO REMAIN, PROTECT DURING CONSTRUCTION
25. THE CONTRACTOR IS REQUIRED TO SELECTIVELY DEMOLISH ONLY THOSE PORTIONS OF THE EXISTING FINISHES NECESSARY TO ACCESS AND COMPLETE THE REPAIRS. ANY UNNECESSARY REMOVAL OR DAMAGE TO EXISTING FINISHES BEYOND WHAT IS NEEDED FOR THE REPAIRS SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RECTIFY AT NO ADDITIONAL COST.

GENERAL NOTES:

1. CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING PICTURE RAIL MOLDINGS IN-KIND THROUGHOUT FIRST AND SECOND FLOORS OF THE VISITOR CENTER. PRIME AND PAINT TO MATCH INTERIOR WINDOW TRIM. PROVIDE SHOP DRAWING DEPICTING EXISTING LAYOUT FOR RECORD AND REVIEW PRIOR TO REMOVING EXISTING PICTURE RAILS.
2. CONTRACTOR SHALL COORDINATE WITH THE CONCURRENT, SEPARATE CONSTRUCTION CONTRACT FOR THE "TEMPORARY FACILITIES & ADA REPAIRS" PROJECT, WHICH INCLUDES REPAIRS TO THE SURROUNDING SITE PATHS AND THE INSTALLATION OF A NEW BURIED WATER CONNECTION FROM THE VISITOR CENTER TO THE PARKING LOT SOUTHEAST OF THE VISITOR CENTER.CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND RESOLVE ALL DISCREPANCIES PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATING ALL STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK ACROSS ALL DISCIPLINES.
4. CONTRACTOR SHALL RE-USE EXISTING WALL, FLOOR, CEILING AND ROOF OPENINGS AND PENETRATIONS TO THE GREATEST EXTENT POSSIBLE FOR THE ROUTING OF NEW WORK.
5. THE CONTRACTOR SHALL BE OBLIGATED TO MAKE ALL REPAIRS AS REQUIRED BY EACH DISCIPLINE. ALL EXISTING FINISHES THAT ARE REMOVED, DAMAGED, OR OTHERWISE DISTURBED DURING THE CONSTRUCTION PROCESS MUST BE CAREFULLY PATCHED AND REPAIRED TO SEAMLESSLY MATCH THE ADJACENT FINISHES. THE CONTRACTOR SHALL ENSURE THAT ALL REPAIRS ARE PERFORMED TO A HIGH STANDARD OF QUALITY, SUCH THAT THE REPAIRS ARE NOT NOTICEABLE AND RESTORE THE ORIGINAL CONDITION OF THE FINISHES.
6. CONTRACTOR SHALL PATCH ALL EXISTING ABANDONED PENETRATIONS TO MATCH ADJACENT CONSTRUCTION AND MAINTAIN THERMAL, ACOUSTICAL, AND VISUAL PERFORMANCE.
7. CONTRACTOR SHALL PROVIDE OPENINGS IN FLOORS, WALLS, CEILING AND ROOF TO PROVIDE FOR THE ROUTING OF ALL NEW WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, SIZE AND CONSTRUCTION OF ALL PENETRATIONS.
8. WALLS NOT INDICATED WITH A WALL CONSTRUCTION SCHEDULE SYMBOL SHALL BE CONSTRUCTED THE SAME AS THE ADJACENT WALL.
9. THE CONTRACTOR SHALL NOT RELY ON MEASUREMENTS SCALED FROM THESE DRAWINGS.
10. DIMENSIONS SHOWN ARE TO THE FACE OF FINISH SURFACE UNLESS OTHERWISE NOTED.
11. ALL GLAZING SHALL BE IN ACCORDANCE WITH CONSUMER PRODUCT SAFETY COMMISSION 16 CFR PART 1201 (1977) SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS.
12. FIRE RATED WALLS SHALL EXTEND TIGHT TO THE UNDERSIDE OF THE DECK ABOVE. SEAL ALL GAPS.
13. THE CONTRACTOR SHALL SEAL THE ANNULAR SPACE AT ALL PENETRATIONS THROUGH HORIZONTAL AND CEILING/ROOF NON-FIRE RATED ASSEMBLIES WITH A NON-COMBUSTABLE APPROVED MATERIAL.
14. PENETRATIONS THROUGH ANY FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE UL-DESIGN DESIGNATION AND THE ANNULAR SPACE AT ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED WITH AN APPROVED MATERIAL TESTED AND LABELED BY UL.
15. ALL CONSTRUCTION OF FIRE RATED ASSEMBLIES SHALL COMPLY WITH THE UNDERWRITERS LABORATORIES FIRE RESISTANCE DIRECTORY DESIGN AS DESIGNATED ON THESE DRAWINGS. THE CONTRACTOR SHALL PROVIDE MATERIALS & CONSTRUCTION STRICTLY IN ACCORDANCE WITH THE UL DESIGN DESIGNATIONS.
16. PLUMBING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ANNE ARUNDEL COUNTY COUNTY PLUMBING CODE AND SUBJECT TO FIELD INSPECTION BY THE AGENCIES HAVING JURISDICTION.
17. ELECTRICAL CONSTRUCTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITIONS AND REVISIONS OF THE NATIONAL ELECTRICAL CODE.
18. MECHANICAL CONSTRUCTION SHALL BE CONSTRUCTED IN ACCORDANCE THE LATEST ADOPTED EDITION OF INTERNATIONAL MECHANICAL CODE.
19. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES (5) FIVE DAYS PRIOR TO THE START OF WORK ON-SITE:
    MBS UTILITIES
    INSPECTION AND PERMITS
    ANNE ARUNDEL COUNTY PERMIT OFFICE
20. CONTRACTOR SHALL PROPERLY PREPARE ALL SURFACES INDICATED TO BE PAINTED, INCLUDING, BUT NOT LIMITED TO CLEANING AND SANDING BEFORE PRIMING AND BETWEEN COATS.
21. UNLESS OTHERWISE NOTED WALL FINISHES SHALL BE APPLIED FROM FINISHED FLOOR TO FINISHED CEILING.
22. INTERIOR FINISHES FOR WALLS AND CEILINGS SHALL MEET:
    - A FLAME SPREAD RATE OF 75 OR LESS
    - ASTM E84 AND IBC 2021 TABLE 803.13
    - ALL FLOOR FINISHES SHALL MEET DOC FF-1 AND NFPA
    - CLASS C REQUIREMENTS AND SECTION 804 OF IBC.
23. UNLESS OTHERWISE INDICATED, TRANSITION OF FINISHES SHALL OCCUR UNDER DOOR BETWEEN ROOMS.
24. SURFACES NOT INDICATED WITH A FINISH SHALL RECEIVE THE SAME FINISH AS THE ADJACENT INDICATED SPACE.
25. COAT ALL EXPOSED SURFACES OF GYPSUM WALLBOARD, PLASTER, UNFINISHED WOOD AND UNFINISHED STEEL WITH PRIMER AND TWO COATS OF PAINT UNLESS OTHERWISE NOTED.
26. PROVIDE TRANSITION STRIPS WHERE TWO DIFFERENT FLOOR FINISHES MEET. (TYPICAL)
27. CAULK PERIMETER OF ALL FLOOR AND WALL MOUNTED PLUMBING FIXTURES AND COUNTER TOPS.
28. PROVIDE SOLID WOOD BLOCKING BEHIND WALL MOUNTED HARDWARE, CABINETS, EQUIPMENT AND HANDRAILS, MINIMUM SIZE TO BE 2x6 LUMBER.
29. DO NOT CUT STUDS FOR HORIZONTAL PIPE RUNS. FEED PIPE FROM OVER HEAD BETWEEN STUDS.
30. EXISTING FINISHES SCHEDULED TO REMAIN: PROTECT AND REPAIR AS NECESSARY.
31. EXISTING FLOORS SCHEDULED FOR NEW FINISHES: PATCH ALL HOLES FLUSH, FLASH PATCH DEPRESSIONS AND UNEVEN SURFACES FLUSH WITH ADJACENT AREAS.
32. EXISTING WALLS SCHEDULED TO REMAIN: PATCH AS NECESSARY AND PREPARE FOR NEW FINISHES AFTER MECHANICAL, ELECTRICAL, AND STRUCTURAL WORK IS COMPLETE. REMOVE AND PATCH CRACKED OR LOOSE MATERIAL. FEATHER EDGE AT IN FILL OR ROUGH AREAS.
33. THE CONTRACTOR SHALL COORDINATE WITH ANNE ARUNDEL COUNTY'S OFFICE OF INFORMATION TECHNOLOGY (OIT) FOR THE INSTALLATION, INTEGRATION, MODIFICATION, AND PROGRAMMING OF BOTH NEW AND EXISTING TELECOM, SECURITY, AND NETWORKING EQUIPMENT REQUIRED FOR THE PROJECT. THIS INCLUDES MODIFICATIONS, UPGRADES, AND CONNECTIONS TO THE EXISTING NETWORK INFRASTRUCTURE. THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTIFICATION AND ALLOCATE SUFFICIENT TIME IN THEIR SCHEDULE TO ACCOMMODATE OIT'S REQUIREMENTS AND WORKFLOW. A MINIMUM OF 30 DAYS' NOTICE SHALL BE GIVEN PRIOR TO THE REQUIRED OIT MOBILIZATION TO ENSURE PROPER COORDINATION AND IMPLEMENTATION. THE CONTRACTOR SHALL CONTACT ANNE ARUNDEL COUNTY OIT AT 410-222-2036 TO INITIATE COORDINATION AND SCHEDULING. UPON COMPLETION OF OIT'S WORK, THE CONTRACTOR SHALL PATCH AND REPAIR ALL FINISHES TO MATCH ADJACENT CONSTRUCTION.



STANDARD MOUNTING HEIGHTS

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

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3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND JOSEPH A. GRAVES No. 21386 ARCHITECT

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ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
APPROVED DATE	APPROVED DATE	CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	SHEET NO. 2 OF 73	CODE ANALYSIS, GENERAL NOTES, ROOF DETAIL AND WALL TYPES
		PROJECT NO. P584600	G101
		CONTRACT NO. P584608	

BUILDING CODE DATA

PROPERTY ADDRESS:
600 QUIET WATERS PARK ROAD
ANNAPOLIS, MD 21403

BUILDING KNOWN AS: QUIET WATERS VISITOR CENTER

FIRE DISTRICT: ANNE ARUNDEL COUNTY

LAND ZONING DESIGNATION: OS - OPEN SPACE

GENERAL DESCRIPTIONS OF BUILDING USE:
OFFICES, PUBLIC RESTROOMS, ART GALLERY

APPLICABLE BUILDING CODES

INTERNATIONAL BUILDING CODE 2021
INTERNATIONAL EXISTING BUILDING CODE 2021
INTERNATIONAL MECHANICAL CODE 2021
INTERNATIONAL PLUMBING CODE 2021
INTERNATIONAL ENERGY CONSERVATION CODE 2021
INTERNATIONAL FUEL GAS CODE 2021
NATIONAL ELECTRICAL CODE 2020
NFPA 101 LIFE SAFETY CODE 2018
NFPA 1 FIRE PROTECTION CODE 2018
INTERNATIONAL CODE COUNCIL ICC A117.1-2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS CODE 2016
NFPA 72 FIRE ALARM CODE 2016

CLASSIFICATION OF WORK
INTERNATION EXISTING BUILDING CODE 2021 COMPLIANCE
METHOD "WORK AREA COMPLIANCE"
1. WORK AREAS WITHIN THE EXISTING BUILDING:
"ALTERATION LEVEL 2"
NFPA 101 LIFE SAFETY CODE: CHAPTER 43-EXISTING BUILDING
CLASSIFICATION OF THE WORK:
1. WORK AREAS WITH THE EXISTING BUILDING:
"ALTERATIONS"

USE GROUP: MIXED USE NON-SEPARATED
[GROUP A-3 (MOST RESTRICTIVE) | GROUP B | GROUP -S1]
CONSTRUCTION TYPE V-B PER IBC 2021

AREA AND HEIGHT LIMITATIONS

ALLOWABLE AREA PER FLOOR: 18,000 SF
ACTUAL BUILDING AREA: 13,285 SF (GROUND = 5,103 / FIRST = 4,735 / SECOND = 3,447)

ALLOWABLE HEIGHT: 60'
ACTUAL HEIGHT: 37'

ALLOWABLE STORIES: 2 STORIES
ACTUAL HEIGHT: 2 STORY

OCCUPANT LOAD PER FLOOR

GROUND FLOOR	=	169	TOTAL = 300
FIRST FLOOR	=	95	
SECOND FLOOR	=	36	

EXIT CAPACITY

TOTAL DOOR CLEAR WIDTH REQUIRED (300) x .2" = 60"
TOTAL DOOR CLEAR WIDTH PROVIDED: 504"

FIRE PROTECTION

AUTOMATIC SPRINKLER SYSTEMS: NFPA 13 COMPLIANT SYSTEM INCLUDED

FIRE ALARM: AUTOMATIC FIRE ALARM PROVIDED

FIRE RESISTANCE RATING FOR BUILDING COMPONENTS:

PRIMARY STRUCTURAL FRAME	-0-
BEARING WALLS	
EXTERIOR	-0-
INTERIOR	-0-
NONBEARING WALLS	
EXTERIOR	-0-
EXTERIOR GREATER THAN 10' SEPARATION	-0-
INTERIOR	-0-
FLOOR CONSTRUCTION	-0-
ROOF CONSTRUCTION	-0-

INTERIOR FINISHES

2021 IBC TABLE 803.1.3
GROUP: A
AUTOMATIC SPRINKLER SYSTEMS: (SPRINKLERED)

INTERIOR EXIT STAIRWAYS: RATING: (B)
ENCLOSURE FOR EXIT ACCESS STAIRWAYS: RATING: (B)
ROOMS AND ENCLOSED SPACES: RATING: (C)

PLUMBING FIXTURE COUNT REQUIRED

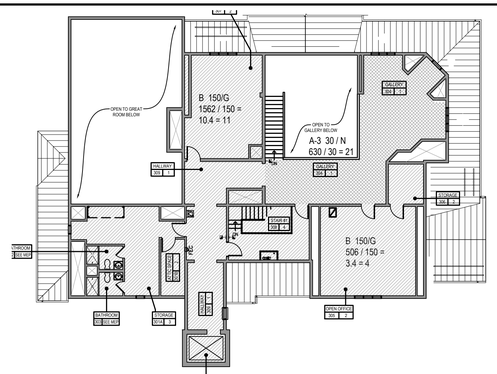
		MALE		FEMALE	
ASSEMBLY (A-3):	247 OCCUPANTS	124		124	
	WATER CLOSETS	0.99	(1/125)	1.91	(1/65)
	LAVATORIES	0.62	(1/200)	0.62	(1/200)
BUSINESS CLASSIFICATION:	42 OCCUPANTS	21		21	
	WATER CLOSETS	0.84		0.84	(1/25 FIRST 50, 1/50 X>50)
	LAVATORIES	0.53		0.53	(1/40 FIRST 80, 1/80 X>80)
STORAGE (S-2) & UTILITY (U):	11 OCCUPANTS	6		6	
	WATER CLOSETS	0.06		0.06	(1/100)
	LAVATORIES	0.06		0.06	(1/100)
BUILDING TOTAL	EXISTING WATER CLOSETS =	WC-3 / U-4		8	
	REQUIRED WATER CLOSETS =	1.89 (2)		2.81 (3)	
	PROPOSED WATER CLOSETS =	WC-3 / U-2		6	
	EXISTING LAVATORIES =	7		7	
	REQUIRED LAVATORIES =	1.21 (2)		1.21 (2)	
	PROPOSED LAVATORIES =	5		5	

DRINKING FOUNTAIN:

USE GROUP	REQUIREMENTS	CALCULATION	TOTAL
A-3	1 PER 500 OCCUPANTS	247/500	0.494
B	1 PER 100 OCCUPANTS	42/100	0.42
S-2	1 PER 1000 OCCUPANTS	11/1000	0.011
		SUBTOTAL:	0.925

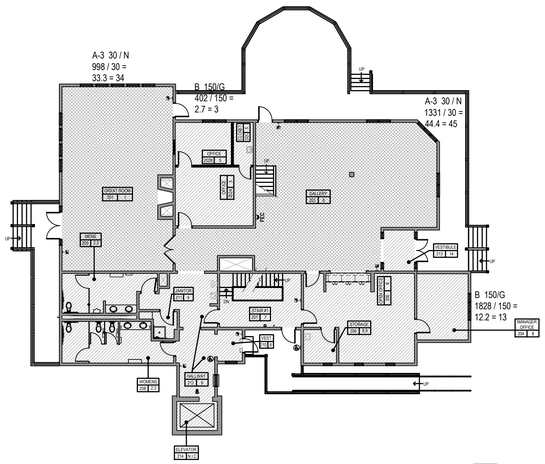
DRINKING FOUNTAIN REQUIRED = 0.925 = 1
DRINKING FOUNTAIN PROVIDED = 3

SERVICE SINK REQUIRED = 2
SERVICE SINK PROVIDED = 2



VISITOR CENTER - SECOND FLOOR PLAN

SCALE: 1/16"=1'-0"


A-3 30 / N
998 / 30 =
33.3 = 34
B 150/G
402 / 150 =
2.7 = 3
A-3 30 / N
1331 / 30 =
44.4 = 45
B 150/G
1828 / 150 =
12.2 = 13
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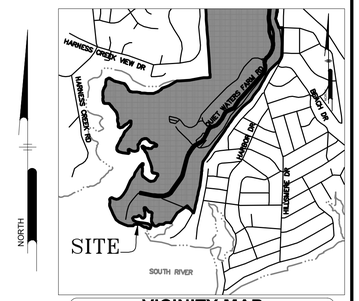
EL



VICINITY MAP
SCALE: 1"=2000'

DEMOLITION KEY

1. REMOVE EXISTING TREE
2. REMOVE EXISTING ASPHALT AND STONE BASE
3. REMOVE IRRIGATION BOX AND ASSOCIATED PIPING
4. PUNCTURE TANKS AND FILL WITH FLOWABLE FILL

DEMOLITION LEGEND

REMOVE EX. TREE

REMOVE EX. ASPHALT PAVING

SITE DEMOLITION NOTES

1. ALL CONSTRUCTION DEBRIS (THIS INCLUDES RECYCLABLE AND NON-RECYCLABLE) SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL JURISDICTION.
2. DISPOSE OF ALL DEBRIS OFF-SITE UNLESS INDICATED TO BE SALVAGED.
3. NO SLAB OR LAND DISTURBANCE IS PERMITTED WITHOUT APPROVAL OF SEDIMENT CONTROL, AS SHOWN ON DRAWINGS.
4. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY PRIOR TO REMOVAL OR RELOCATION OF ANY EXISTING UTILITIES.
5. EXISTING UTILITY LINES HAVE BEEN SHOWN USING THE BEST AVAILABLE RECORDS OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL ENGAGE A PRIVATE UTILITY LOCATING COMPANY (AT CONTRACTORS EXPENSE) TO ENSURE THAT ALL EXISTING UTILITIES HAVE BEEN MARKED.
6. ONCE DEMOLITION IS COMPLETED, ALL AREAS OF EXPOSED EARTH SHALL BE STABILIZED.
7. FOR ALL UTILITY DEMOLITION, COORDINATE WITH APPLICABLE UTILITY PROVIDER.

SITE TABULATIONS

SITE AREA: 336.13 ACRES

LIMITS OF DISTURBANCE: 4,568 SQ. FT.

ZONING: OS (OPEN SPACE)

0 40' 80'

EXISTING UTILITIES SHOWN ON THIS PLAN SET WERE DRAWN USING EXISTING RECORD DRAWINGS AND BASE FILES FROM THE UTILITY COMPANIES, FROM VISIBLE MARKINGS AND FEATURES WITHIN THE PROJECT LIMITS, FROM FIELD SURVEYS, AND FROM LIMITED TEST PITS. UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. THE UTILITY INFORMATION SHOWN MAY BE INNACURATE OR INCOMPLETE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS OF WORK TO HIS OWN SATISFACTION PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES, SHALL AVOID IMPACTS TO UTILITIES, AND SHALL MAINTAIN UNINTERRUPTED UTILITY SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT NO COST TO ANNE ARUNDEL COUNTY IN COORDINATION WITH THE AFFECTED UTILITY COMPANIES.

CALL "MISS UTILITY" AT LEAST 72 HOURS IN ADVANCE OF CONSTRUCTION AT 1-800-257-7777

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

Pennoni
PENNONI ASSOCIATES INC.
8890 McGaw Road, Suite 100
Columbia, MD 21045
T 410.997.8900 F 410.997.9282

SEAL

BY: _____

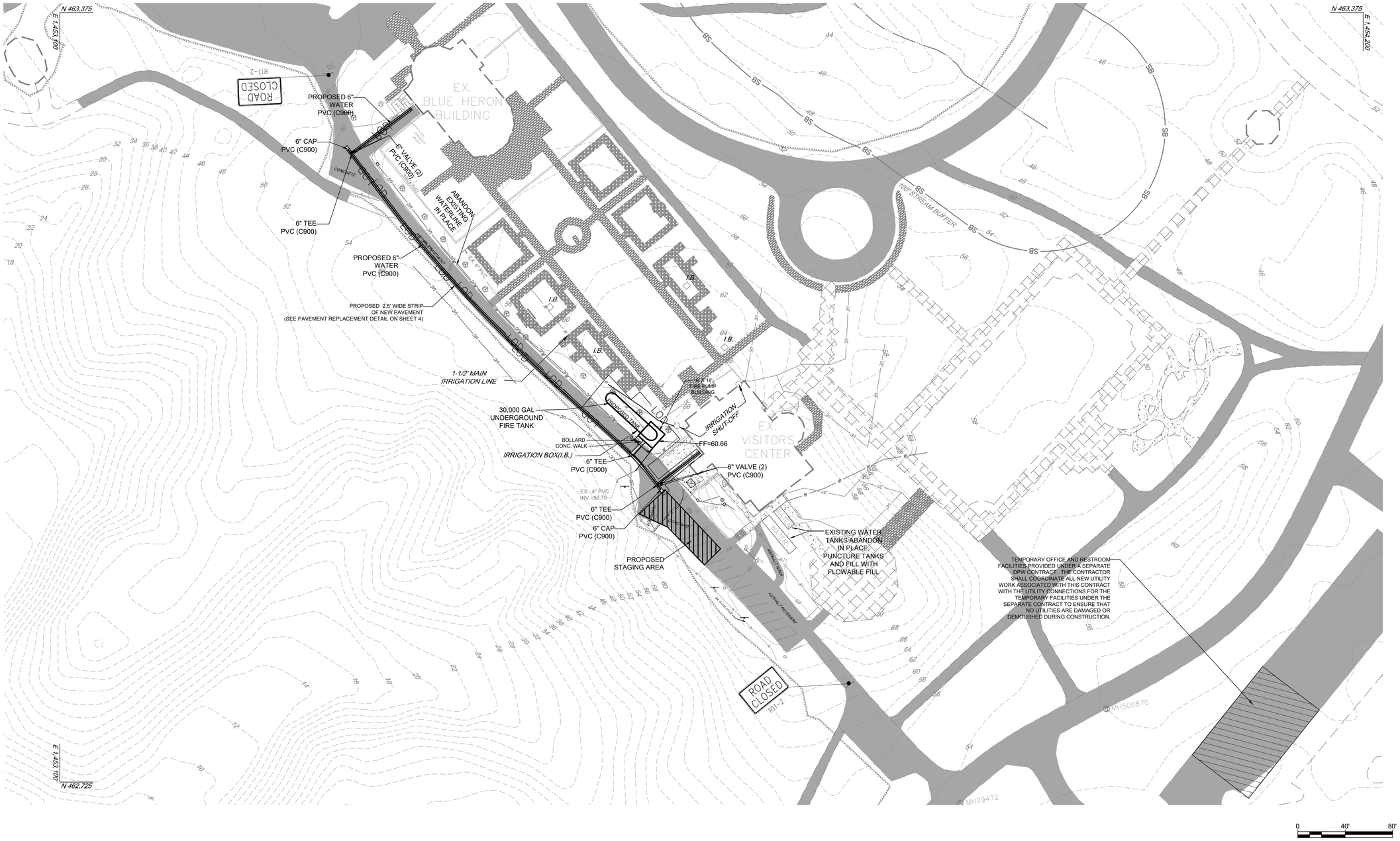
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21774, EXPIRATION DATE: 11/10/2025"

NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 11/22/2024

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING DESIGN 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER		
APPROVED DATE	APPROVED DATE	SHEET NO. 4 OF 73	EXISTING CONDITIONS & DEMOLITION PLAN — C101
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY		



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NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

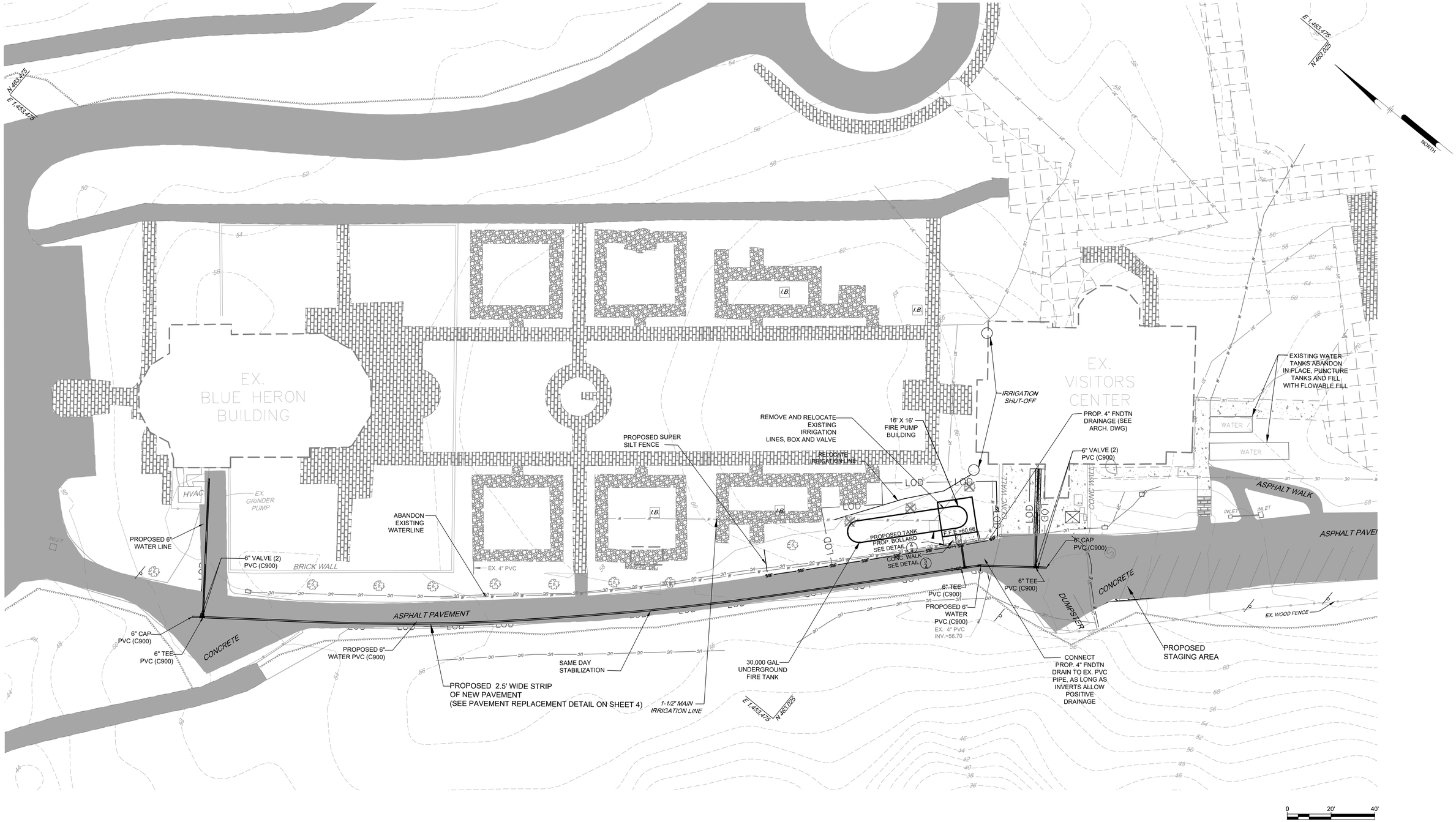
DATE: 11/22/2024

APPROVED DATE CHIEF ENGINEER	APPROVED DATE PROJECT MANAGER	SCALE: AS NOTED
APPROVED DATE ASSISTANT CHIEF ENGINEER	APPROVED DATE CHIEF, RIGHT OF WAY	SHEET NO. 5 OF 73

QUIET WATERS PARK
FIRE PUMP BUILDING DESIGN
600 QUIET WATERS PARK RD
ANNAPOLIS, MD 21403

TRAFFIC CONTROL PLAN

C102



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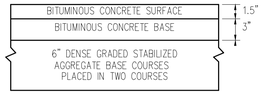
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

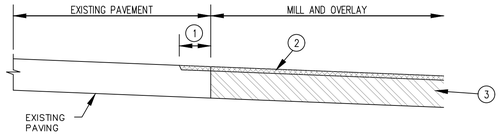
DATE: 11/22/2024

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING DESIGN 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER		
APPROVED DATE	APPROVED DATE	SHEET NO. 6 OF 73	SITE PLAN C103
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY		



1/4 LOCAL ROAD PAVING SECTION

NOT TO SCALE

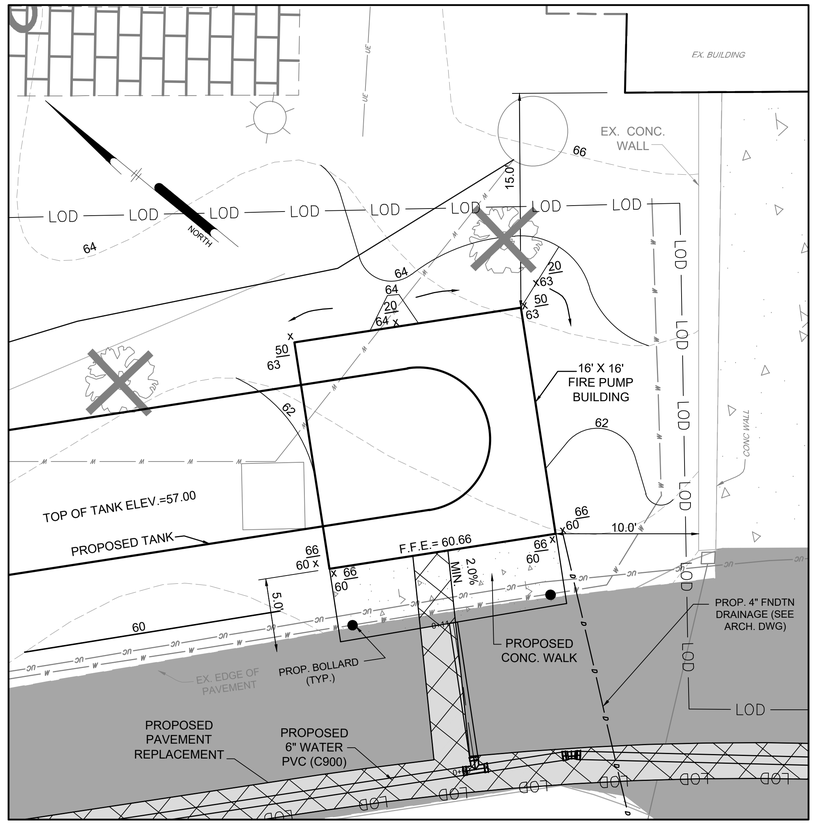


1. MILL A 1' WIDE X 1.5" DEEP STRIP
2. PROVIDE CONTINUOUS 1.5" SURFACE COURSE
3. FULL DEPTH PAVEMENT REPLACEMENT

NOTE: LONGITUDINAL JOINTS FOR THE SURFACE COURSE MUST NOT COINCIDE WITH THE FULL-DEPTH SAW-CUT JOINT

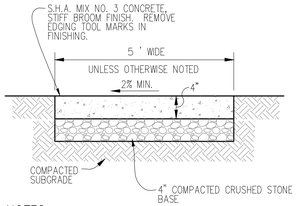
2/4 FULL DEPTH PAVEMENT REPLACEMENT DETAIL

NOT TO SCALE



FIRE PUMP BUILDING GRADING DETAIL

SCALE: 1" =5'

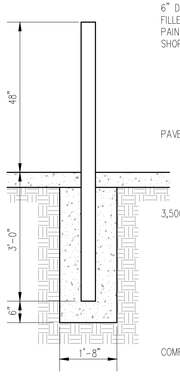


NOTES:

PROVIDE LATITUDINAL EXPANSION JOINTS AT 15' O.C. (MAX.) PROVIDE CONTRACTION (DUMMY) JOINT AT 5' O.C. INTERVALS BETWEEN EXPANSION JOINTS. SIDEWALK TO BE SCRIBED IN 5' MAX. SQUARES. SIDEWALK TO BE FLUSH WITH EDGE OF ROAD.

3/4 CONCRETE SIDEWALK

NOT TO SCALE

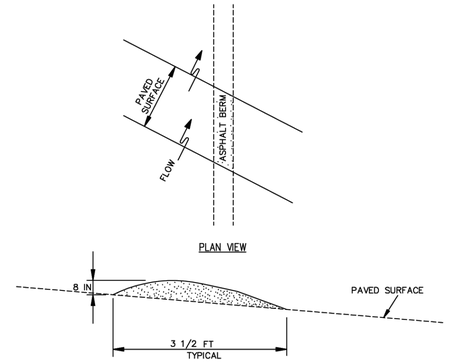


4/4 BOLLARD

NOT TO SCALE

DETAIL C-5 TEMPORARY ASPHALT BERM

STANDARD SYMBOL TAB



CONSTRUCTION SPECIFICATIONS

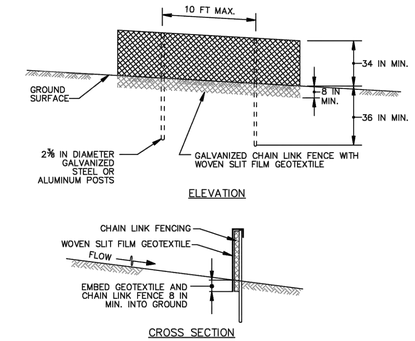
1. CONSTRUCT BERM ON AN UNINTERRUPTED, CONTINUOUS GRADE.
2. INSTALL BERM TO CONFORM TO CROSS SECTION DIMENSIONS OF A UNIFORM HEIGHT OF 8 INCHES MINIMUM AND APPROXIMATE WIDTH OF 3½ FEET.
3. PROVIDE OUTLET PROTECTION AS REQUIRED ON PLAN.
4. COMPACT ASPHALT BERM.
5. REPAIR DAMAGED ASPHALT. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.
6. UPON REMOVAL OF ASPHALT BERM, RETURN TO ORIGINAL CONDITIONS OR AS SPECIFIED ON APPROVED PLAN.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-3 SUPER SILT FENCE

STANDARD SYMBOL SSF



CONSTRUCTION SPECIFICATIONS

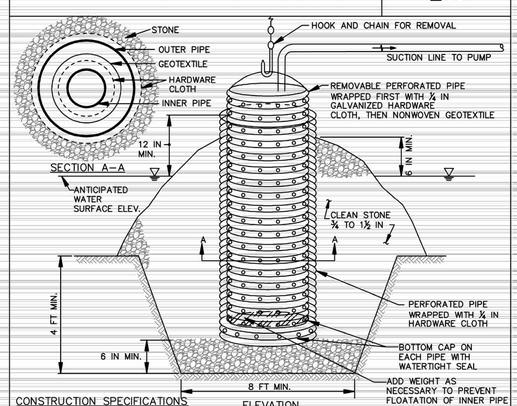
1. INSTALL 2⅜ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
2. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2⅜ INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
3. FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.
4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
6. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
7. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL F-1 REMOVABLE PUMPING STATION

STANDARD SYMBOL RPS



CONSTRUCTION SPECIFICATIONS

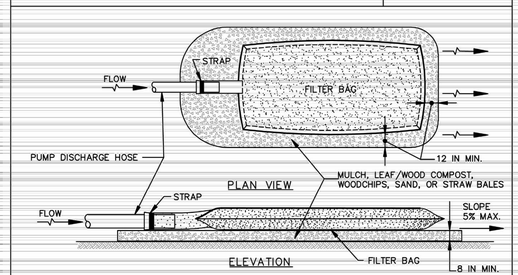
1. USE CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS 6 INCHES ON CENTER.
2. USE A MINIMUM 12 INCH DIAMETER INNER PIPE WITH AN OUTER PIPE A MINIMUM 6 INCHES LARGER IN DIAMETER. BOTTOM OF EACH PIPE MUST BE CAPPED WITH WATERTIGHT SEAL.
3. WRAP EACH PIPE WITH ½ INCH GALVANIZED HARDWARE CLOTH. ON INNER PIPE WRAP NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE HARDWARE CLOTH.
4. EXCAVATE 8 FEET X 8 FEET X 4 FEET DEEP PIT FOR PIPE PLACEMENT. PLACE CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 6 INCHES IN DEPTH PRIOR TO PIPE PLACEMENT.
5. SET TOP OF INNER AND OUTER PIPES MINIMUM 12 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION (OR RISER CREST ELEVATION WHEN DEWATERING A BASIN).
6. BACKFILL PIT AROUND THE OUTER PIPE WITH ¾ TO 1½ INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE AND EXTEND STONE A MINIMUM OF 6 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
7. DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.
8. A REMOVABLE PUMPING STATION REQUIRES FREQUENT MAINTENANCE. IF SYSTEM CLOGS, PULL OUT INNER PIPE AND REPLACE GEOTEXTILE. KEEP POINT OF DISCHARGE FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL F-4 FILTER BAG

STANDARD SYMBOL FB



CONSTRUCTION SPECIFICATIONS

1. TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE.
2. PLACE FILTER BAG ON SUITABLE BASE (E.G., MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF BAG.
3. CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
4. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
5. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:

GRAB TENSILE	250 LB	ASTM D-4632
PUNCTURE	150 LB	ASTM D-4833
FLOW RATE	70 GAL/MIN/FT^2	ASTM D-4491
PERMITTIVITY (SEC^{-1})	1.2 SEC^{-1}	ASTM D-4491
UV RESISTANCE	70% STRENGTH @ 500 HOURS	ASTM D-4355
APPARENT OPENING SIZE (AOS)	0.15-0.18 MM	ASTM D-4751
SEAM STRENGTH	90%	ASTM D-4632

6. REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DAILY STABILIZATION NOTE

THIS NOTE SHOULD BE USED FOR MINIMAL AREAS WITHIN THE LIMITS OF DISTURBANCE THAT DO NOT DRAIN TO A SEDIMENT CONTROL MEASURE AND/OR WHERE THE INSTALLATION OF CONTROLS IS NOT FEASIBLE. (ROAD WIDENING, SIDEWALK INSTALLATION, ETC.)

CONTRACTOR SHALL ONLY DISTURB THAT AREA WHICH CAN BE COMPLETED AND STABILIZED BY THE END OF EACH WORKING DAY.

STABILIZATION SHALL BE AS FOLLOWS:

1. FOR AREAS TO BE PAVED, THE APPLICATION OF STONE BASE.
2. FOR AREAS TO BE VEGETATIVELY STABILIZED:
   a.) PERMANENT SEED AND SOIL STABILIZATION MATTING OR SOD FOR ALL STEEP SLOPES, CHANNELS OR SWALES.
   b.) PERMANENT SEED AND MULCH FOR ALL OTHER AREAS.

ANY AREAS WHICH CAN NOT BE STABILIZED BY THE END OF EACH WORKING DAY MUST HAVE SILT FENCE INSTALLED ON THE DOWNSLOPE SIDE.

DEWATERING NOTES

1. DEWATERING OF EXCAVATIONS SHALL BE DONE USING THE DETAILS FOR REMOVABLE PUMPING STATION AND FILTER BAGS SHOWN ON THIS SHEET.
2. DISCHARGE FROM DEWATERING SHALL OCCUR OUTSIDE THE LOD ON A SLOPE OF LESS THAN 5%.

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

Pennoni
PENNONI ASSOCIATES INC.
8890 McGaw Road, Suite 100
Columbia, MD 21045
T 410.997.8900 F 410.997.9282

SEAL

BY:

"I HEREBY CERTIFY THAT THE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21274, EXPIRATION DATE: 11/15/2025"

NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 11/22/2024

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED
CHIEF ENGINEER	PROJECT MANAGER	
APPROVED DATE	APPROVED DATE	SHEET NO. 7 OF 73
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	

QUIET WATERS PARK
FIRE PUMP BUILDING DESIGN
600 QUIET WATERS PARK RD
ANNAPOLIS, MD 21403

DETAILS

C104

GENERAL NOTES

1. FIELD RUN TOPOGRAPHY WAS PERFORMED BY PENNONI DURING SEPTEMBER, 2023. TOPOGRAPHIC INFORMATION HAS BEEN SUPPLEMENTED BY ANNE ARUNDEL COUNTY GIS AND UTILITY LOCATING COMPANY INFORMATION.

2. THE EXISTENCE OF WETLANDS AND WATERS OF THE U.S. HAS BEEN INVESTIGATED BASED ON A SITE VISIT BY PENNONI ASSOCIATES AND AVAILABLE COUNTY RECORDS.

3. UNLESS OTHERWISE INDICATED, THE LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE AND ARE BASED ON VISIBLE EVIDENCE, OR GIS RECORDS.

4. THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS, AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION . NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICE MAINS. ANY DAMAGE TO THEM SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO ANNE ARUNDEL COUNTY OR TO SHA.

5. UTILITY RELOCATION WILL BE PERFORMED BY OTHERS UNLESS NOTED OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF HIS CONSTRUCTION WITH THE CONSTRUCTION OF OTHER CONTRACTORS (INCLUDING BUT NOT LIMITED TO BG&E, VERIZON, AND CABLE TV UTILITY). REFER TO PROJECT MANUAL GENERAL SPECIAL PROVISIONS.

6. THE CONTRACTOR SHALL CALL “MISS UTILITY” 1-800-257-7777 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION.

7. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.

8. THE CONTRACTOR SHALL NOTIFY THE ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS (410) 222-4126, AT LEAST FOURTEEN (14) DAYS PRIOR TO BEGINNING CONSTRUCTION.

9. GRID COORDINATES ARE BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM NAD 83/91. VERTICAL ELEVATIONS ARE BASED UPON NAVD 88.

10. THE CONTRACTOR SHALL ADJUST MANHOLES, WATER, METER VALVES, HAND BOXES, AND OTHER APPURTENANCES TO FINAL GRADE. THE COST OF PERFORMING THESE ACTIVITIES SHALL BE INCIDENTAL TO THE CONTRACT PRICE PAID FOR VARIOUS PAVEMENT ITEMS.

11. UNLESS OTHERWISE NOTED, PIPE ELEVATIONS REFER TO THE PIPE INVERT.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY EXISTING LIGHT POLES, TRAFFIC BARRIER, SIGNS, ETC., DAMAGED OR REMOVED BY HIM DURING CONSTRUCTION.

13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION TO THIS PLAN PRIOR TO ANY FIELD CHANGES BEING MADE. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ANY FIELD CHANGES OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER.

14. ALL WORK SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE “2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL” ISSUED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AND AMENDMENTS BY THE ANNE ARUNDEL SOIL CONSERVATION DISTRICT, CONTAINED HEREIN AND THE 2017 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS ISSUED BY THE MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION.

15. PERIMETER SEDIMENT CONTROL DEVICES SHALL BE PLACED AT THE LIMITS OF DISTURBANCE UNLESS SPECIFICALLY NOTED OTHERWISE. SEPARATION BETWEEN LOD AND PERIMETER DEVICES IS FOR GRAPHIC PURPOSE ONLY.

16. THIS PROJECT DISTURB LESS THAN 5,000 SQ.FT. OF LAND AREA. NO STORMWATER MANAGEMENT IS PROVIDED.

17. MATERIAL REMOVED DURING CONSTRUCTION SHALL BECOME THE CONTRACTOR'S PROPERTY UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIAL PROVISIONS.

18. STORM DRAIN AND UTILITY INSTALLATION IN EXISTING PAVEMENT SHALL BE IN ACCORDANCE WITH MD STD. 578.1.

19. SUBGRADE DRAINS SHALL BE PLACED WHEN WET SUBGRADE IS ENCOUNTERED AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL USE CIRCULAR PIPE UNDERDRAIN OUTLET TO CONNECT ALL EXISTING AND PROPOSED SUBGRADE DRAIN AND PERFORATED CIRCULAR PIPE UNDERDRAN TO PROPOSED INLETS.

20. ALL INVERT ELEVATIONS ARE APPROXIMATE. INVERT ELEVATIONS OF INLETS AND PIPES MAY BE MODIFIED AS DIRECTED BY THE ENGINEER TO MEET CONDITIONS ENCOUNTERED DURING INSTALLATION OF DRAINAGE STRUCTURES. ALL PIPES AND DITCHES SHALL BE CONSTRUCTED ON A UNIFORM GRADE BETWEEN INVERT ELEVATIONS NOTED ON THE PLANS, UNLESS INDICATED OTHERWISE ON THE PLANS OR DETAILS OR AS DIRECTED BY THE ENGINEER. THE LOCATION AND LENGTH OF PIPE SHALL BE VERIFIED BY THE CONTRACTOR BEFORE ORDERING.

21. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION OF ANNE ARUNDEL COUNTY.

22. CONTRACTOR MUST HAND DIG NEAR EXISTING UNDERGROUND UTILITIES WITH LESS THAN OR EQUAL TO 3.0 FEET CLEAR DISTANCE.

SYMBOL LEGEND

PROPERTY LINE AND RIGHT-OF-WAY
EXISTING 2' CONTOUR (52)
EXISTING 10' CONTOUR (50)
EXISTING TREE LINE
EXISTING SOILS (AsB)
EXISTING ASPHALT ROADWAY
EXISTING BUILDINGS
EXISTING SIDEWALKS AND PATHS
EXISTING WATER (W)
EXISTING SEWER (S)
EXISTING OVERHEAD ELECTRIC (OE)
EXISTING UNDERGROUND ELECTRIC (UE)
EXISTING STORM DRAIN (D)
EXISTING GAS (G)
EXISTING WOOD FENCE
PROPOSED 4" FNDTN DRAINAGE (D)
PROPOSED 6" WATER LINE
PROPOSED SUPER SILT FENCE (SSF)
PROPOSED LIMIT OF DISTURBANCE (LOD)
PROPOSED ASPHALT PAVING
EXISTING ASPHALT PAVEMENT TO BE REMOVED
SAME DAY STABILIZATION
PROPOSED STAGING AREA

LIST OF ABBREVIATIONS

AATUR	-	ABANDONED ACCORDING TO UTILITY RECORDS
A.D.T.	-	AVERAGE DAILY TRAFFIC
AHD	-	AHEAD
BGE	-	BALTIMORE GAS AND ELECTRIC COMPANY
BIT.	-	BITUMINOUS
BK.	-	BACK
B.M.	-	BENCH MARK
BW	-	BOTTOM OF WALL
B/L	-	BASELINE
C	-	RATE OF TRANSITION
CC	-	CENTER POINT OF CURVE
CATV	-	CABLE TELEVISION
C&G	-	CURB AND GUTTER
C.I.P.	-	CAST IN PLACE (OR CURB INLET PROTECTION)
C.M.P.	-	CORRUGATED METAL PIPE
C.S.P.	-	CORRUGATED STEEL PIPE
C.O.	-	CLEAN OUT
COMB.	-	COMBINATION
COMM.	-	COMMUNICATION
CONSTR.	-	CONSTRUCTION
CORR.	-	CORRECTION
DATUR	-	DEPICTED ACCORDING TO UTILITY RECORDS
DWG.	-	DRAWING
Dc	-	DEGREE OF CURVE
Δ	-	DELTA (CENTRAL ANGLE), DEGREES
D.H.V.	-	DESIGN HOUR VOLUME
D.I.	-	DROP INLET
DIA.	-	DIAMETER
D.S.	-	DESIGN SPEED
E	-	ELECTRIC
EB	-	EASTBOUND
EOI	-	END OF INFORMATION
EORI	-	END OF RECORD INFORMATION
ERCCP	-	ELLIPITICAL REINFORCED CEMENT CONCRETE PIPE
ES	-	END STRUCTURE
EW	-	ENDWALL OR EACH WAY
EX., EXIST	-	EXISTING
F.O.	-	FIBER OPTIC
F.S.	-	FULL SUPER
GA.	-	GAUGE OR GAGE
G.H.C.	-	GAS HOUSE CONNECTION
G.V.	-	GAS VALVE
HDWL	-	HEADWALL
HERCCP	-	HORIZONTAL ELLIPITICAL REINFORCED CEMENT CONCRETE PIPE
H.H.	-	HANDHOLE
H.S.A.	-	HEADLIGHT SIGHT DISTANCE
H.P.	-	HIGH POINT
I	-	INLET
INV.	-	INVERT
L	-	LENGTH
L.P.	-	LOW POINT (OR LIGHT POLE)
L.S.	-	LEVEL SECTION
LT.	-	LEFT
M.B.	-	MAIL BOX
MD	-	MARYLAND
MDE	-	MARYLAND DEPARTMENT OF THE ENVIRONMENT
M.H.	-	MANHOLE
N/A	-	NOT APPLICABLE
NO.	-	NUMBER
N.S.	-	NORMAL SECTION
O.C.	-	ON CENTER
O/S	-	OFFSET
P.C.	-	POINT OF CURVE
P/C	-	POINT OF CROWN
P.C.C.	-	POINT OF COMPOUND CURVE OR PORTLAND CEMENT CONCRETE
P/G.E.	-	PROFILE GRADE ELEVATION
P.G.L.	-	PROFILE GRADE LINE
P./G.L.	-	PROFILE GROUND LINE
P.H.	-	PUNCH HOLE
P.I.	-	POINT OF INTERSECTION
P.O.C.	-	POINT ON CURVE
P.O.T.	-	POINT ON TANGENT
P/R	-	POINT OF ROTATION
P.R.C.	-	POINT OF REVERSE CURVATURE
P.T.	-	POINT OF TANGENT

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

Pennoni
PENNONI ASSOCIATES INC.
8890 McGaw Road, Suite 100
Columbia, MD 21045
T 410.997.8900 F 410.997.9282

SEAL

BY:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21774, EXPIRATION DATE: 11/18/2026

NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 11/22/2024

APPROVED DATE — CHIEF ENGINEER
APPROVED DATE — PROJECT MANAGER
APPROVED DATE — ASSISTANT CHIEF ENGINEER
APPROVED DATE — CHIEF, RIGHT OF WAY

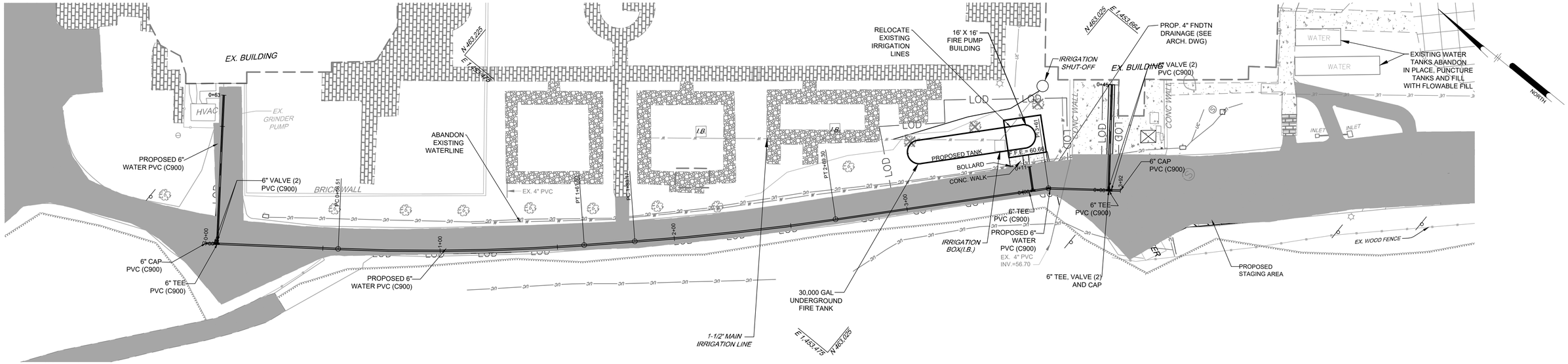
SCALE: AS NOTED

SHEET NO. 8 OF 73

QUIET WATERS PARK
FIRE PUMP BUILDING DESIGN
600 QUIET WATERS PARK RD
ANNAPOLIS, MD 21403

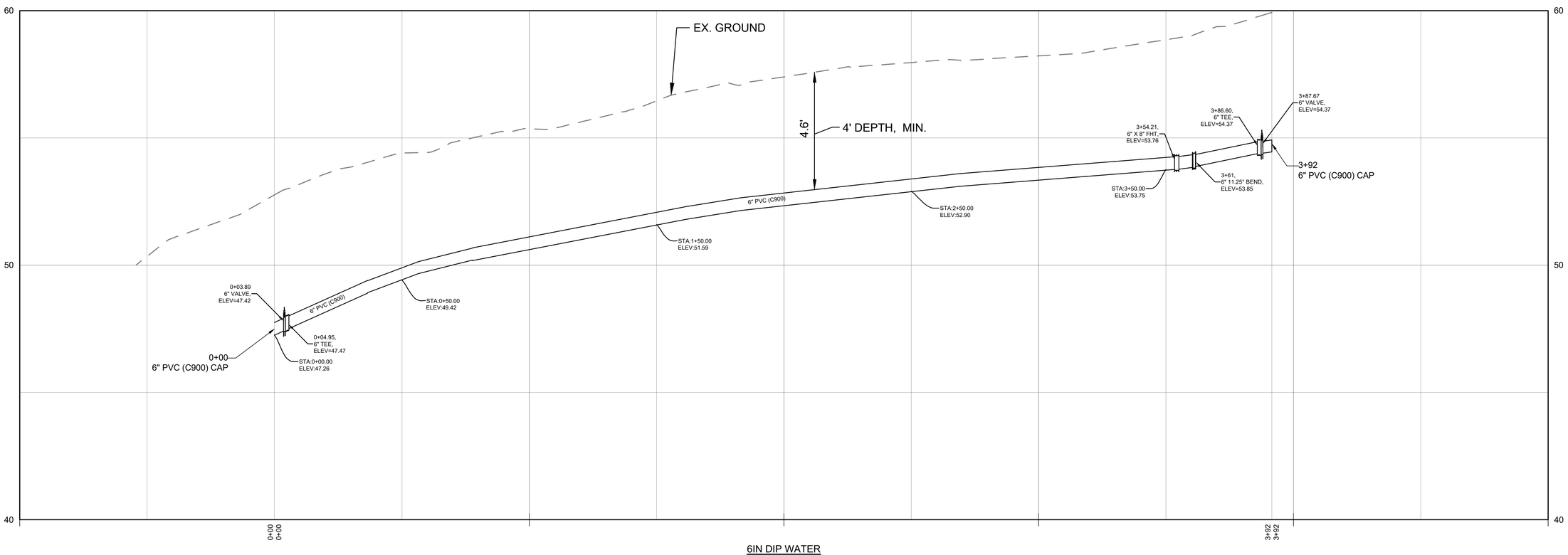
GENERAL NOTES, LEGEND AND ABBREVIATIONS

C105



WATER EXTENSION PLAN

SCALE: 1" = 20'



6IN DIP WATER
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

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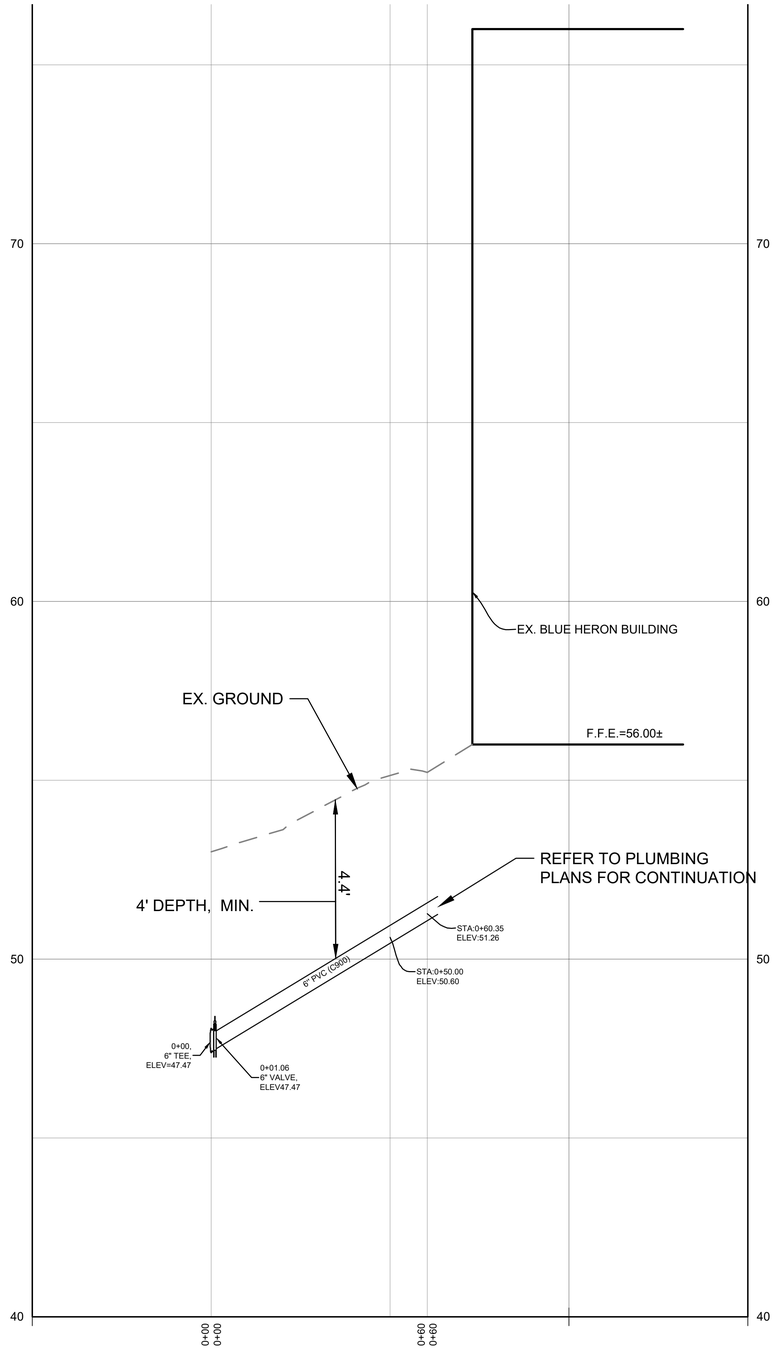
NO.	DESCRIPTION	BY	DATE

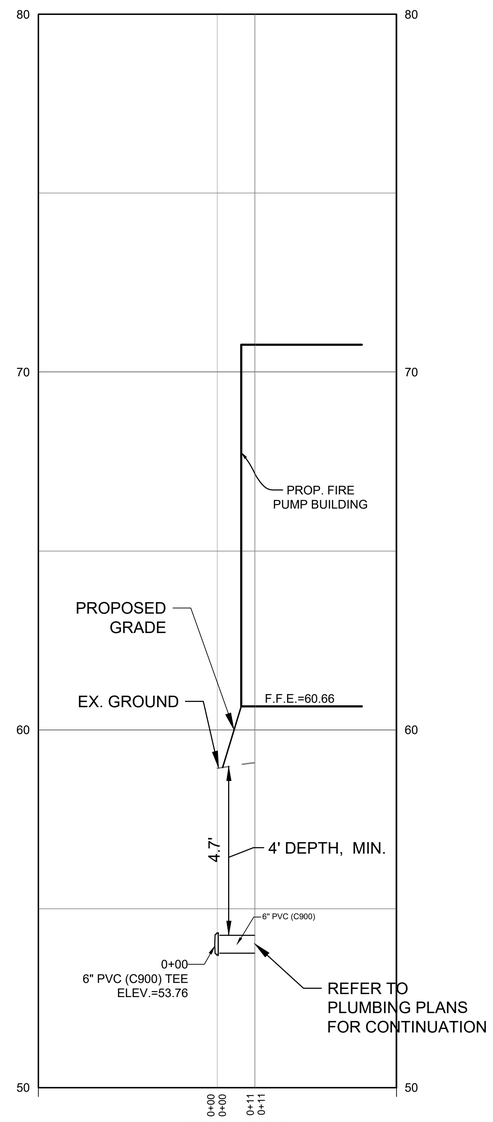
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 11/22/2024

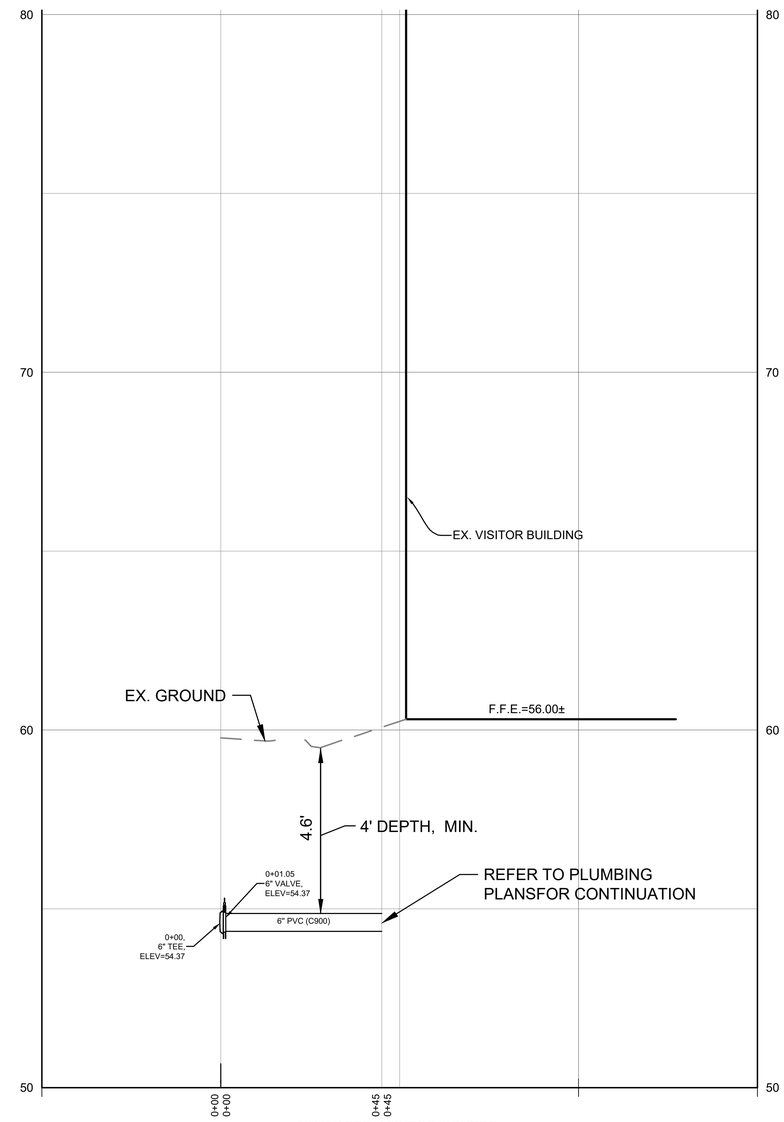
APPROVED DATE CHIEF ENGINEER	APPROVED DATE PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING DESIGN 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE ASSISTANT CHIEF ENGINEER	APPROVED DATE CHIEF, RIGHT OF WAY	SHEET NO. 9 OF 73	WATERLINE PLAN AND PROFILE SHEET — C106



6IN WATER BLUE HERON BLDG
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'



6IN WATER PUMP BLDG
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'



6IN WATER (VISITOR CENTER)
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

0 2' 4'

0 20' 40'

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NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 11/22/2024

APPROVED DATE CHIEF ENGINEER	APPROVED DATE PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING DESIGN 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE ASSISTANT CHIEF ENGINEER	APPROVED DATE CHIEF, RIGHT OF WAY	SHEET NO. 10 OF 73	WATERLINE PLAN AND PROFILE SHEET

C107

General Notes

1.0 GENERAL

A. DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE OBTAINED FROM THE ARCHITECTURAL DRAWINGS AVAILABLE PRIOR TO RELEASE OF CONTRACT DOCUMENTS. ARCHITECTURAL DIMENSIONS WILL GOVERN OVER STRUCTURAL DIMENSIONS. LAYOUT OF BUILDING FOUNDATIONS OR OTHER ITEMS SHALL BE BASED ON THE ARCHITECTURAL, CIVIL, AND STRUCTURAL DRAWINGS. ERRORS AND INCONSISTENCIES IN DIMENSIONS SHALL BE FORWARDED TO THE ARCHITECT FOR RESOLUTION.

1.1 DESIGN LOADS

A. THE STRUCTURE WAS DESIGNED FOR THE LIVE LOADS SHOWN BELOW AND DEAD LOADS AS REQUIRED BY CONSTRUCTION IN ACCORDANCE WITH IBC 2018. INCREASE IN THESE LOADINGS, DUE TO CHANGE IN FUNCTION, CONSTRUCTION MATERIALS, ETC., TO HAVE WRITTEN APPROVAL FROM THE DESIGN STRUCTURAL ENGINEER.

B. THE BASIC STABILITY OF THE STRUCTURE IS DEPENDENT UPON THE DIAPHRAGM ACTION OF WALLS AND ROOF ACTING TOGETHER. PROVIDE GUYS, BRACES, STRUTS, ETC. TO ACCOMMODATE LIVE, DEAD, AND WIND LOADS UNTIL FINAL CONNECTIONS BETWEEN THESE ELEMENTS ARE MADE.

C. LIVE LOADS SHOWN BELOW ARE IN POUNDS PER SQUARE FOOT (PSF).
ROOF LIVE LOAD: 30 ROOF DEAD LOAD:
FLOOR LIVE LOAD:

D. SNOW LOAD CRITERIA.
LOADS SHOWN ARE IN POUNDS PER SQUARE FOOT (PSF):

GROUND SNOW LOAD (Pg):	25
FLAT ROOF SNOW LOAD(Pf):	17.5
SNOW LOAD IMPORTANCE FACTOR(Is):	1.0
SNOW EXPOSURE FACTOR (Ce):	1.0
THERMAL FACTOR (Ct):	1.0

F. WIND CRITERIA:
ULTIMATE DESIGN WIND SPEED: 111 MPH (3 SECOND GUST)
NOMINAL DESIGN WIND SPEED: 86 MPH (3 SECOND GUST)
RISK CATEGORY: II
WIND EXPOSURE CATEGORY: B
INTERNAL PRESSURE COEFFICIENT: +/- 0.18
COMPONENTS & CLADDING (NOMINAL PRESSURE ON 100-SQ.FT. AREA):
ROOF ZONE 1: -11 & +10 WALL ZONE 4: -12.4 & +11.3
ROOF ZONES 2&3: -15.9 & +10 WALL ZONE 5: -13.8 & +11.3

H. SEISMIC CRITERIA:
RISK CATEGORY: II
SEISMIC IMPORTANCE FACTOR, Ie: 1.0
SITE CLASS: D
SEISMIC DESIGN CATEGORY: B
Ss = 0.127 Sds = 0.135
S1 = 0.042 Sd1 = 0.067
SEISMIC RESISTING SYSTEM: REINFORCED MASONRY SHEAR WALLS
DESIGN BASE SHEAR: 0.068W
SEISMIC RESPONSE COEFFICIENT, Cs: 0.068
RESPONSE MODIFICATION COEFFICIENT, R: 2
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE ANALYSIS

1.5 SUBMITTALS

A. BEFORE SUBMISSION OF SHOP DRAWINGS, CONTRACTOR SHALL HAVE DETERMINED AND VERIFIED QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS, CATALOG NUMBERS, AND SIMILAR DATA WITH RESPECT THERETO AND REVIEWED OR COORDINATED EACH SHOP DRAWING WITH OTHER SHOP DRAWINGS AND SAMPLES AND WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS.

B. AFTER CHECKING AND VERIFYING COMPLIANCE WITH CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS, CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS REFERENCED IN THE INDIVIDUAL MATERIALS SECTIONS, AS WELL AS IN LIST BELOW. CONTRACTOR SHALL STAMP OR PROVIDE A SIMILAR WRITTEN INDICATION THAT CONTRACTOR HAS REVIEWED THE SUBMISSION AND IS SATISFIED THAT MATERIALS SHOWN ARE IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.

C. SHOP DRAWING SUBMISSION OF MULTIPLE COMPONENT TYPES WILL REQUIRE ADDITIONAL REVIEW TIME. SHOP DRAWINGS WILL BE FORWARDED TO THE ARCHITECT OR CLIENT FOR THEIR REVIEW BEFORE RETURNING TO THE CONTRACTOR.

D. INCOMPLETE SUBMITTALS WILL BE REJECTED WITHOUT REVIEW. IF STAMPED AND SIGNED SHOP DRAWINGS AND/OR CALCULATIONS ARE SPECIFIED AND THEY ARE SUBMITTED WITHOUT THE P.E. STAMP, THEY WILL BE REJECTED WITHOUT REVIEW.

E. UNLESS OTHERWISE NOTED ELSEWHERE IN THE STRUCTURAL NOTES OR CONSTRUCTION DOCUMENTS, SHOP DRAWINGS SHALL BE REQUIRED ON THE FOLLOWING ITEMS:

- CONCRETE MIX DESIGN BY EITHER TRIAL BATCH OR FIELD EXPERIENCE METHODS. EACH SUBMITTED MIX MUST IDENTIFY ITS INTENDED USE OR APPLICATION.
- BRACING OF MASONRY WALLS OVER 8'-0" PER OSHA-STAMPED AND SIGNED DRAWINGS AND CALCULATIONS.
- CONCRETE REINFORCING.
- MASONRY REINFORCING.
- MORTAR AND GROUT MIX DESIGNS.
- MASONRY MATERIALS.
- STRUCTURAL STEEL.

2.3 FOUNDATIONS

A. A SOIL BEARING CAPACITY OF 1000 PSF WAS USED FOR FOOTING DESIGN. ENGAGE THE SERVICES OF A GEOTECHNICAL ENGINEER TO VERIFY EXCAVATIONS AND SOIL BEARING CAPACITY. IF SOIL OF THIS CAPACITY IS NOT ENCOUNTERED AT ELEVATIONS INDICATED, CONTACT THE STRUCTURAL ENGINEER OF RECORD (SOR).

B. INSTALL EXTERIOR FOOTING BOTTOMS 2'6" MINIMUM BELOW FINISH GRADE.

C. FOUNDATION WALLS ARE DEPENDENT UPON THE COMPLETED INSTALLATION OF FLOORS AND ROOFS FOR THEIR STABILITY. DO NOT PLACE BACKFILL UNTIL THESE ELEMENTS ARE COMPLETELY INSTALLED, OR PROVIDE SHORING AND BRACING.

D. COMPACT FILL AND BACKFILL TO 95% OF ASTM D-698. PERFORM FILL AND BACKFILL OPERATIONS UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER.

E. PRIOR TO POURING CONCRETE, ENGAGE THE SERVICES OF A PROFESSIONAL GEOTECHNICAL ENGINEER, LICENSED TO PRACTICE IN THE STATE OF MARYLAND, TO PERFORM TESTS, BORINGS, ETC., REQUIRED TO CERTIFY THAT THE SOIL BEARING CAPACITY MEETS OR EXCEEDS THAT SHOWN IN THE GENERAL NOTES ABOVE. GEOTECHNICAL ENGINEER SHALL VERIFY SUBGRADE CAPACITIES PRIOR TO INSTALLATION OF DRAINAGE FILL AND MOISTURE BARRIER.

3.1 CONCRETE

A. UNLESS GOVERNED BY BUILDING CODE OR LOCAL AMENDMENTS: CONCRETE WORK INCLUDING FORMING, MIXING, PLACING, AND CURING SHALL BE IN ACCORDANCE WITH ACI 301. PLACEMENT OF REINFORCING SHALL BE IN ACCORDANCE WITH ACI 315 AND 318. WHEN THERE IS A CONFLICT, THE MOST STRINGENT IS TO APPLY.

B. SUBMIT COMPLETE SHOP AND ERECTION DRAWINGS FOR REVIEW PRIOR TO FABRICATION OR ERECTION. REPRINTS OF CONTRACT DRAWINGS ARE NOT ACCEPTABLE. SUBMIT DESIGN MIXES FOR EACH CLASS OF CONCRETE PRIOR TO USE.

C. CONCRETE REINFORCING: ASTM A-615, GRADE 60.

D. WELDED WIRE REINFORCEMENT: ASTM A-1064.

E. PORTLAND CEMENT: ASTM C-150, TYPE I.

F. BLENDED HYDRAULIC CEMENT: ASTM C-595.

G. FLY ASH: ASTM C-618, CLASS F (25% MAX.)

H. AGGREGATE: ASTM C-33. 1" MAXIMUM FOR FOOTINGS, WALLS, AND SLABS ON GRADE, 1/2" MAXIMUM FOR THIN SLABS, AND 3/8" FOR WALL FILL.

I. CONCRETE TO BE AIR-ENTRAINED AND SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF: 3,500 PSI. WATER CEMENT RATIO NOT TO EXCEED 0.45 FOR AIR ENTRAINED CONCRETE.

J. INSTALL WELDED WIRE REINFORCEMENT 2" BELOW UPPER SURFACE OF CONCRETE SLAB.

K. REINFORCING FOR FOOTINGS SHALL HAVE 3" CONCRETE COVER. REINFORCING FOR CONCRETE EXPOSED TO GROUND OR WEATHER AFTER REMOVAL OF FORMS SHALL HAVE 2" CONCRETE COVER. REINFORCING SHALL HAVE 3/4" CONCRETE COVER FOR SLABS.

L. LAP CONTINUOUS FOOTING REINFORCING 44 BAR DIAMETERS AT SPLICES.

M. USE A WATER REDUCING ADMIXTURE IN ALL CONCRETE.

N. SLUMP - ACI (211.1), WITH A MAXIMUM SLUMP OF 4". SHOULD EXTRA WATER BE REQUIRED BEFORE DEPOSITING CONCRETE, AND WATER/CEMENT RATIO OF ACCEPTED MIX DESIGN HAS NOT BEEN EXCEEDED, GENERAL CONTRACTORS SUPERINTENDENT SHALL HAVE SOLE AUTHORITY TO AUTHORIZE ADDITION OF WATER. ANY ADDITIONAL WATER ADDED TO MIX AFTER LEAVING BATCH PLANT SHALL BE INDICATED ON THE TRUCK TICKET AND SIGNED BY PERSON RESPONSIBLE. SUBMIT COPY OF TRUCK TICKET FOR REVIEW.

O. NO CALCIUM CHLORIDE WILL BE PERMITTED IN CONCRETE.

P. AIR ENTRAIN EXTERIOR EXPOSED CONCRETE 5% +/- 1%.

Q. ENGAGE THE SERVICES OF A TESTING AGENCY APPROVED BY THE ARCHITECT TO PERFORM TESTS OF CONCRETE. TAKE A MINIMUM OF 6 CYLINDERS FOR EACH CLASS OF CONCRETE POURED IN ANY ONE DAY. PERFORM 1 SLUMP TEST PER TRUCK LOAD OF CONCRETE.

R. PROVIDE TWO COMPRESSION TESTS AT 7 DAYS, TWO AT 28 DAYS, AND RETAIN TWO TESTS FOR ADDITIONAL TESTING AS NEEDED. COMPRESSIVE STRENGTH OF CONCRETE AT 7 DAYS TO ACHIEVE AT LEAST 70% OF MINIMUM DESIGN STRENGTH.

4.1 MASONRY

A. UNLESS GOVERNED BY BUILDING CODE OR LOCAL AMENDMENTS: MANUFACTURE AND INSTALL MASONRY IN ACCORDANCE WITH ACI 530/ASCE 5/TMS 402. WHEN THERE IS A CONFLICT, THE MOST STRINGENT IS TO APPLY.

B. BRICK: 3,000 PSI COMPRESSIVE STRENGTH - ASTM C-216

C. BLOCK: CONCRETE MASONRY UNITS: 1,900 PSI COMPRESSIVE STRENGTH (AVERAGE OF THREE UNITS). ASTM C-90 WITH MINIMUM DENSITY OF 125 LBS. PER CU. FT. FOR NORMAL WEIGHT UNITS.

D. DESIGNED m: 1,500 PSI AT 28 DAYS.

E. BLOCK USED IN WALLS WITH VERTICAL STEEL REINFORCING SHALL BE MANUFACTURED AND LAID SUCH THAT WEBS ARE IN COMPLETE ALIGNMENT.

F. MORTAR: ASTM C-270, TYPE S. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS TO BE 1,800 PSI.

G. GROUT FOR WALL FILL: ASTM C-476, 2000 PSI MINIMUM AT 28 DAYS WITH 70% OF STRENGTH AT 7 DAYS. USE FINE AGGREGATE SIZE #1 IN ACCORDANCE WITH ASTM C-404. MIX TO A SLUMP OF 8 TO 11 INCHES UTILIZING WATER REDUCING ADMIXTURES. FLY ASH AND BLAST-FURNACE SLAG (UP TO 25%) MAY BE USED. HOWEVER, FLY ASH AND BLAST-FURNACE SLAG CAN PRODUCE SLOWER INITIAL STRENGTH GAIN, WHICH NEEDS TO BE CONSIDERED IN COLD WEATHER.

H. REINFORCING: ASTM A-615, GRADE 60.

I. SINGLE WYTHE 6" THICK OR MORE CONSTRUCTED WITH BRICK, BLOCK, OR ANY COMBINATION THEREOF (EXCEPT 4" VENEERS SEPARATED BY AIR SPACE) SHALL HAVE GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCING AT 16" O/C MAXIMUM WITH PREFABRICATED CORNER AND "T" PIECES UNLESS NOTED. PARAPET WALLS SHALL HAVE HORIZONTAL JOINT REINFORCING AT 8" O/C. LAP SPLICES 6" MIN. PROVIDE AN ADDITIONAL ROW ABOVE AND BELOW OPENINGS AND EXTEND 2'-0" BEYOND JAMBS. STOP HORIZONTAL JOINT REINFORCING EACH SIDE OF CONTROL AND EXPANSION JOINTS.

J. BLOCK WALLS WITH BRICK SHALL HAVE CONTINUOUS HORIZONTAL JOINT REINFORCING IN THE FIRST AND SECOND BED JOINTS AND AT 16" VERTICAL INTERVALS ELSEWHERE EXCEPT IN PARAPETS WHERE IT SHALL BE SPACED AT 8" VERTICAL INTERVALS. PROVIDE TWO ADDITIONAL ROWS OF REINFORCING AT 8" O/C IN THE TWO COURSES IMMEDIATELY ABOVE AND BELOW OPENINGS. EXTEND ADDITIONAL PIECES 2'-0" EACH SIDE OF THE OPENING. LAP SPLICES IN JOINT REINFORCING 6" MINIMUM. PROVIDE PREFABRICATED CORNER AND "T" PIECES AT CORNERS AND INTERSECTING WALLS. INSTALL JOINT REINFORCING TO ALLOW AN ADJUSTABLE WALL TIE TO BE PLACED WITHIN 8" OF THE JAMBS OF OPENINGS AND CORNERS ON EACH HORIZONTAL JOINT REINFORCING ROW. HORIZONTAL JOINT REINFORCING SYSTEM SHALL BE MANUFACTURED AS A CONTINUOUS REINFORCEMENT SHALL CONSIST OF 2 DEFORMED 9 GAGE LONGITUDINAL SIDE RODS WELDED AT 16" O/C TO A CONTINUOUS 9 GAGE DIAGONAL CROSS ROD FORMING A TRUSS DESIGN. OUT-TO-OUT SPACING OF SIDE RODS SHALL BE APPROXIMATELY 2" LESS THAN THE NOMINAL THICKNESS OF THE BACK UP WYTHE. WALL TIE EYE SECTIONS COMPATIBLE WITH THE ADJUSTABLE WALL TIE PINTLE SECTIONS SHALL BE WELDED TO THE HORIZONTAL JOINT REINFORCEMENT NOT MORE THAN 24" O/C HORIZONTALLY. WALL TIE PINTLE SECTIONS SHALL BE 3/16" MINIMUM DIAMETER AND SHALL HAVE ADEQUATE LENGTH TO EXTEND TO WITHIN 1 1/2" OF THE EXTERIOR FACE OF THE VENEER.

K. JOINT REINFORCEMENT IN EXTERIOR WALLS TO BE HOT DIPPED GALVANIZED, AFTER FABRICATION, IN ACCORDANCE WITH ASTM A-153, CLASS B2 (1.80 OZ./SQ. FT.).

L. FILL CELLS OF BLOCK SOLID WITH MORTAR IN COURSE DIRECTLY BELOW CHANGES IN THICKNESS AND BOND.

M. BLOCK SHALL BE LAID IN FULL BED OF MORTAR, INCLUDING CROSSWEBS.

N. WALLS NOTED AS FILLED SOLID AND CELLS CONTAINING VERTICAL REINFORCING SHALL HAVE CORES OF BLOCK FILLED WITH GROUT IN SIX COURSE MAXIMUM LIFTS.

O. LAP SPLICES IN REINFORCING 48 BAR DIAMETER MINIMUM. UNLESS NOTED OTHERWISE, VERTICAL REINFORCING TO BE FULL HEIGHT OF WALL AND DOWELED INTO FOOTINGS.

P. SHORE REINFORCED WALLS UNTIL ROOF FRAMING IS INSTALLED.

Q. SEE MASONRY INSPECTION NOTES 4.2.

R. SUBMIT MATERIAL CERTIFICATION FOR:

S. BRICK UNITS

T. BLOCK UNITS

U. MORTAR

V. GROUT

W. HORIZONTAL JOINT REINFORCING

4.2 MASONRY INSPECTIONS

A. ENGAGE THE SERVICES OF A QUALIFIED INDEPENDENT TESTING AND INSPECTION AGENCY TO INSPECT MASONRY MATERIALS AND CONSTRUCTION DURING ERECTION.

B. LEVEL OF QUALITY ASSURANCE, PER BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES ACI 530/ASCE 5/TMS 402 SHALL BE:

TABLE 1.14.2 - LEVEL 2

MINIMUM TESTS AND SUBMITTALS

CERTIFICATES FOR MATERIALS USED IN MASONRY CONSTRUCTION INDICATING COMPLIANCE WITH CONTRACT DOCUMENTS.

VERIFICATION OF %'m PRIOR TO CONSTRUCTION EXCEPT WHERE EXEMPTED BY THIS CODE.

MINIMUM INSPECTION

AS MASONRY CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE:
- PROPORTIONS OF SITE-PREPARED MORTAR.
- CONSTRUCTION OF MORTAR JOISTS.
- LOCATION OF REINFORCEMENT, CONNECTORS, PRE-STRESSING TENDONS, AND ANCHORAGES.
- PROPORTIONS OF SITE-PREPARED GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS.
- CONSTRUCTION OF MORTAR JOINTS.
- VERIFY THAT THE PLACEMENT OF GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE.
- OBSERVE PREPARATION OF GROUT SPECIMENS AND/OR PRISMS.
- VERIFY COMPLIANCE WITH THE REQUIRED INSPECTION PROVISIONS OF THE CONTRACT DOCUMENTS AND THE APPROVED SUBMITTALS.

4.4 STEEL LINTEL SCHEDULE

A. PROVIDE AND INSTALL LINTELS FOR OPENINGS IN MASONRY WALLS (NOT TO BE LIMITED TO OPENINGS SHOWN ON STRUCTURAL PLANS). UTILIZE LINTEL SIZES AS INDICATED ON THE SCHEDULE BELOW, UNLESS NOTED OTHERWISE ON PLAN. (COORDINATE OPENINGS FOR MECHANICAL TRADES, ARCHITECTURAL OPENINGS IN NONBEARING WALLS, ETC.)

B. WELD MULTIPLE ANGLE LINTELS AT ENDS AND 1/3 POINTS OF SPAN.

C. SHORE LINTELS TO PREVENT ROTATION DURING CONSTRUCTION.

D. LINTELS TO HAVE MINIMUM 8" BEARING ON SOLID MASONRY FOR A MINIMUM 16" DEEP EACH END, UNLESS NOTED OTHERWISE.

MARK	MATERIALS	REMARKS
L-1	1-L4x3½"x5/16" LLV FOR EACH 4" WALL THICKNESS	FOR CAVITY WALLS, REPLACE 1-L4x3½"x5/16" LLV WITH 1-L5x5x3/8" FOR OPENINGS UP TO 6'-4"
P-2	1-4x8 PRECAST MASONRY LINTEL EACH 4" WALL THICKNESS	FOR OPENINGS UP TO 6'-4"

5.1 STRUCTURAL STEEL

A. UNLESS GOVERNED BY BUILDING CODE OR LOCAL AMENDMENTS: FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION, FOURTEENTH EDITION, AND OSHA STEEL ERECTION STANDARDS UNLESS NOTED ON DRAWINGS OR SPECIFICATIONS. WHEN THERE IS A CONFLICT, THE MOST STRINGENT IS TO APPLY.

B. SUBMIT COMPLETE SHOP AND ERECTION DRAWINGS FOR REVIEW PRIOR TO FABRICATION. REPRINTS OF CONTRACT DOCUMENTS ARE NOT ACCEPTABLE.

C. STEEL - ASTM A-36 FOR ANGLES, CHANNELS, AND MISCELLANEOUS SHAPES.
- ASTM A-992 (50 KSI) FOR WF SHAPES.

D. SUPPLY STEEL LINTELS REQUIRED FOR WALL SUPPORT. LINTELS WILL BE INSTALLED UNDER MASONRY DIVISION.

E. COAT STEEL EXPOSED AFTER BUILDING IS COMPLETED WITH ONE SHOP COAT OF AN APPROVED RUST INHIBITIVE PRIMER. PAINT STEEL EXPOSED TO WEATHER AFTER BUILDING IS COMPLETED WITH TWO ADDITIONAL COATS OF RUST INHIBITIVE PAINT AFTER ERECTION. PAINT SHALL BE COMPATIBLE WITH SHOP COAT.

F. ENGAGE THE SERVICES OF A QUALIFIED INSPECTION AND TESTING AGENCY TO INSPECT STRUCTURAL STEEL PLACEMENT AND CONNECTIONS.

6.1 WOOD FRAMING

A. WOOD FRAMING AND FASTENERS - COMPLY WITH THE RECOMMENDATIONS OF THE AMERICAN WOOD COUNCIL (AWC).

B. SPACING OF NAILS OR SCREWS FOR ROOF PANELS: PANEL EDGES AT 12" O/C AND 16" O/C ON EACH INTERIOR SUPPORT.

C. PLYWOOD: APA - THE ENGINEERED WOOD ASSOCIATION GRADE TRADE MARKED MEETING THE REQUIREMENTS OF THE LATEST EDITION, PER CODE, OF U.S. PRODUCT STANDARD PS-1.

D. PANEL THICKNESS AND IDENTIFICATION INDEX SHALL BE AT LEAST EQUAL TO THAT SHOWN ON THE DRAWINGS. INSTALL AND CONNECT IN ACCORDANCE WITH THE RECOMMENDATIONS OF APA - THE ENGINEERED WOOD ASSOCIATION.

E. NAILS AS OUTLINED IN GENERAL NOTES AND DRAWINGS ARE FOR COMMON NAIL TYPE AND SIZES AND ARE AS FOLLOWS:
8D (0.134 DIA.) 2.5 INCHES 10D (0.148) 3 INCHES
12D (0.148) 3-1/4 INCHES 16D (0.165) 3-1/2 INCHES.

F. UNLESS OTHERWISE NOTED ON DRAWINGS, ATTACH PLYWOOD TO FRAMING WITH MIN. 8d NAILS AT 6" O/C ON EDGES OF SHEET AND 12" O/C ON EACH INTERIOR SUPPORT.

G. FOR PLYWOOD 1/2" IN THICKNESS AND LESS, USE H CLIPS AT MIDPOINT FOR SPANS GREATER THAN 16" O/C. FOR PLYWOOD 5/8" AND THICKER, USE TONGUE AND GROOVE EDGES OR H CLIPS AT MIDPOINT FOR SPANS GREATER THAN 16" O/C. FOR 48" SPANS, PROVIDE 2-H CLIPS AT 1/3 POINTS OF SPAN OR PROVIDE TONGUE AND GROOVE PLYWOOD.

H. STRUCTURAL LUMBER (2"-4" THICK, EXCEPT NONBEARING STUDS AND PLATES) - SPRUCE PINE FIR NO. 1/NO. 2 OR BETTER WITH 19% MAXIMUM MOISTURE CONTENT IN USE AND SHALL HAVE THE FOLLOWING MINIMUM UNFACTORED PROPERTIES:
E = 1,400,000 PSI fe = 425 PSI
fb = 875 PSI ft = 450 PSI
fc(PARALLEL TO GRAIN)= 1,150 PSI fv = 135 PSI

I. PRESSURE TREATED LUMBER - SOUTHERN PINE #2 WITH THE FOLLOWING RETENTION LEVELS: FOR ABOVE GROUND USE - 0.4 PCF FOR PROCESSES USING ACQ AND CBA-A, 0.2 FOR PROCESS USING CA-B.

J. PROVIDE FLUSH FRAMED JOISTS AND HEADERS WITH A PREFABRICATED GALVANIZED (SADDLE TYPE) METAL CONNECTOR UNLESS NOTED OTHERWISE. HANGERS SHALL BE 18 GAGE MINIMUM THICK AND HAVE CAPACITY TO RESIST 400# MINIMUM FOR EACH 2X MEMBER IN SHEAR FOR SPECIES OF WOOD USED.

K. BRIDGING FOR WOOD JOISTS TO BE DIAGONAL WOOD SPACED AS FOLLOWS:
SPANS OVER 8'-0" - ONE ROW
SPANS OVER 15'-0" - TWO ROWS

L. EXPOSED STRUCTURAL FRAMING MEMBERS IN ABOVE GROUND USE AND WOOD PLATES IN CONTACT WITH SLABS ON GRADE TO BE PRESSURE TREATED LUMBER. TREAT WOOD WITH A WATERBORNE PRESERVATIVE MATERIAL WITH ONE OF THE FOLLOWING: ALKALINE COPPER QUAT (ACQ) TYPES B OR D, OR COPPER AZOLE (CBA-A, CA-B).

M. STEEL MATERIALS IN CONTACT WITH PRESSURE TREATED LUMBER TO BE HOT DIPPED GALVANIZED. MINIMUM GALVANIZED COATING FOR PREFABRICATED METAL CONNECTORS TO BE G-185 PER ASTM A-653. CONNECTORS HOT DIPPED GALVANIZED AFTER FABRICATION TO BE IN ACCORDANCE WITH ASTM A-123. FASTENERS HOT DIPPED GALVANIZED AFTER FABRICATION TO BE IN ACCORDANCE WITH ASTM A-153. MECHANICALLY GALVANIZED FASTENERS TO BE IN ACCORDANCE WITH ASTM B-695, CLASS 55.

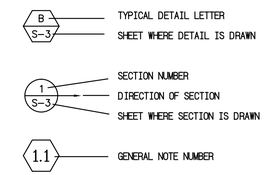
N. PROVIDE SOLID (CONTINUOUS) BRIDGING AT BEARING POINTS.

O. CONNECT ROOF JOISTS AT EACH BEARING POINT WITH PREFABRICATED GALVANIZED METAL CONNECTORS UNLESS OTHERWISE NOTED. EACH CONNECTOR SHALL BE 18 GAGE MINIMUM THICK AND SHALL HAVE THE MINIMUM UPLIFT AND SHEAR CAPACITY NOT LESS THAN 350# UPLIFT AND 130# SHEAR (EQUIVALENT TO 2 - H2.5A SIMPSON, INC. ANCHORS) FOR THE SPECIES OF WOOD USED.

P. ATTACH WOOD BLOCKING, NAILERS, ETC., TO STEEL OR CONCRETE FRAMING WITH POWER ACTUATED FASTENERS, UNLESS NOTED OTHERWISE. SPACE FASTENERS AT 2'-0" MAXIMUM O/C, STAGGERED. MINIMUM CAPACITY OF EACH FASTENER SHALL BE 100 POUNDS IN SHEAR AND PULLOUT, UNLESS NOTED OTHERWISE.

SYMBOLS

A. TYPICAL DETAILS, SECTIONS, AND NOTES ARE GENERAL IN NATURE, AND USAGE IS NOT LIMITED TO WHERE SPECIFICALLY NOTED.



STRUCTURAL ABBREVIATIONS

MARK	MEANING	MARK	MEANING	MARK	MEANING
ø	DIAMETER	FF	FINISHED FLOOR	SOG	SLAB ON GRADE
#	POUND/NUMBER	FND	FOUNDATION	SPF	SPRUCE PINE FIR
&	AND	FT	FOOT	SQ	SQUARE
@	AT	FTG	FOOTING	STD	STANDARD
±	PLUS OR MINUS	GA	GAUGE	STIFF	STIFFENER
AB	ANCHOR BOLTS	GALV	GALVANIZED	STL	STEEL
ADD	ADDITIONAL	GC	GENERAL CONTRACTOR	TC	TOP CHORD
ALT	ALTERNATE	GEN	GENERAL	T&B	TOP AND BOTTOM
ARCH	ARCHITECT	GLB	GLUE LAMINATED BEAM	T&G	TOUNGUE AND GROOVE
BLKG	BLOCKING	GT	GIRDER TRUSS	T/FTG	TOP OF FOOTING
BM	BEAM	HDR	HEADER	T/SLAB	TOP OF SLAB
BOTT	BOTTOM	HGR	HANGER	TOS	TOP OF STEEL
BC	BOTTOM CHORD	HK	HOOK	THRU	THROUGH
BRG	BEARING	HT	HEIGHT	TYP	TYPICAL
BRDG	BRIDGING	HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
BLDG	BUILDING	HSS	TUBE STEEL/PIPE COLUMN	VERT	VERTICAL
CBR	CAMBER	IN	INCH	VAR	VARIES
CANT	CANTILEVER	INSUL	INSULATION	VIF	VERIFY IN FIELD
CL	CENTERLINE	INT	INTERIOR	W	WIDE FLANGE BEAM
CR	CLEAR	JST	JOIST	W/	WITH
COL	COLUMN	K	KIP	W/O	WITH OUT
CONC	CONCRETE	L	ANGLE	WD	WOOD
CJ	CONTROL JOINT	LBS	POUND	WWF	WELDED WIRE FABRIC
CONN	CONNECTION	LLH	LONG LEG HORIZONTAL		
CONT	CONTINUOUS	LLV	LONG LEG VERTICAL		
COORD	COORDINATE	LVL	LAMINATED VENEER LUMBER		
CONST	CONSTRUCTION	LG	LONG		
CONTR	CONTRACTOR	LT GA	LIGHT GAUGE		
d	PENNY NAIL	MATL	MATERIAL		
DP	DEEP	MAX	MAXIMUM		
DET	DETAIL	MTL	METAL		
DIAG	DIAGONAL	MIDHT	MID HEIGTH		
DO	DITTO	MIN	MINIMUM		
DBL	DOUBLE	MNFR	MANUFACTURER		
DF	DOUGLAS FIR	NIC	NOT IN CONTRACT		
DWG	DRAWING	NTS	NOT TO SCALE		
DWL	DOWELL	OC	ON CENTER		
EA	EACH	OPNG	OPENING		
EE	EACH END	OPP	OPPOSITE		
EF	EACH FACE	OSB	ORIENTED STRAND BOARD		
EJ	EXPANSION JOINT	PAF	POWER ACTIVATED FASTENER		
EL	ELEVATION	PL	PLATE		
ELEV	ELEVATOR	PSF	POUNDS PER SQUARE FOOT		
EMBED	EMBEDMENT	PSI	POUNDS PER SQUARE INCH		
EQ	EQUAL	PSL	PARALLEL STRAND LUMBER		
ES	EACH SIDE	PLWD	PLYWOOD		
EW	EACH WAY	PT	PRESSURE TREATED		
EWB	EACH WAY BOTTOM	RCP	REINFORCED CONCRETE PIPE		
EX	EXISTING	REINF	REINFORCING		
EXP	EXPANSION	REQ'D	REQUIRED		
EXT	EXTERIOR	SHTG	SHEATHING		
FIN	FINISHED	SIM	SIMILAR		

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — STEPHEN M. RICHARDS — No. 200363 — PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 200363, EXPIRATION DATE 3/19/2025."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

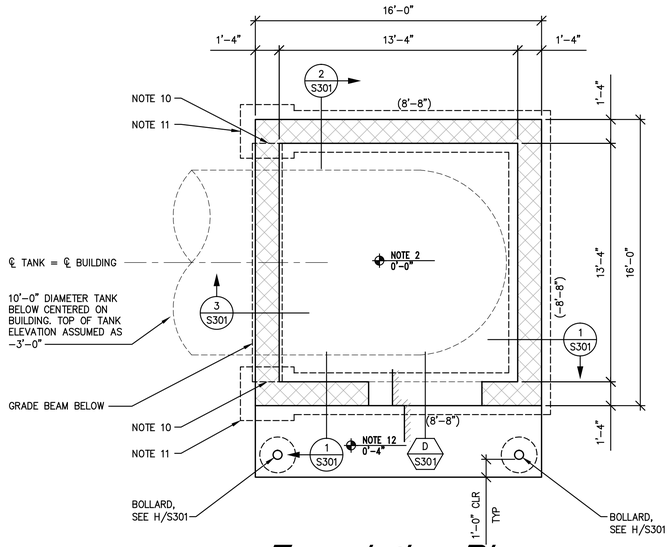
DATE: 12/9/2024

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED
		DRAWN BY: JM
		CHECKED BY: JG
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.11 OF 73
		PROJECT NO. P584600
		CONTRACT NO. 10493

QUIET WATERS PARK
FIRE PUMP BUILDING - VISITOR CENTER & BLUE HERON RENOVATIONS
600 QUIET WATERS PARK RD
ANNAPOLIS, MD 21403

FIRE PUMP BUILDING
GENERAL NOTES

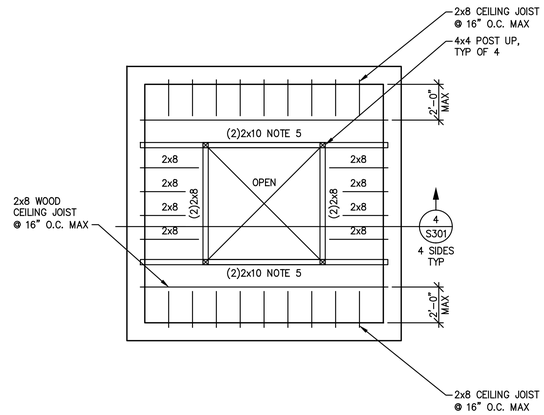
S001



Foundation Plan

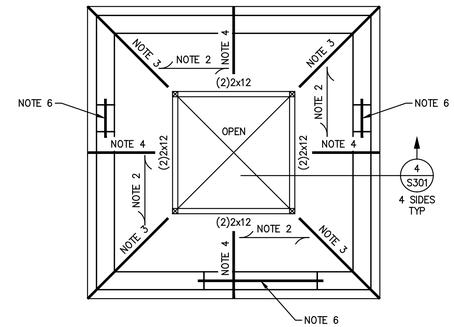
1/4" = 1'-0"

1. SEE SHEET S101 FOR STRUCTURAL NOTES AND SHEET S301 FOR TYPICAL DETAILS. THE TYPICAL DETAILS APPLY WHEREVER THE CONDITION EXISTS UNLESS NOTED OTHERWISE.
2. NEW FLOOR TO BE 5" CONCRETE SLAB ON GRADE REINFORCED WITH 1-LAYER OF 6x6-W2.9xW2.9 WELDED WIRE MESH. JOINTS IN MESH TO LAP 6" MINIMUM. SLAB SUB-GRADE TO BE 4" WASHED STONE OR GRAVEL COVERED WITH 10 MIL. POLYETHYLENE VAPOR RETARDER. LAP AND TAPE JOINTS.
3. SEE ARCHITECTURAL DRAWINGS FOR ANY SLAB ELEVATIONS NOT SHOWN.
4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
5. TOP OF EXTERIOR FOOTING ELEVATIONS SHOWN IN PLAN ARE HIGHEST PERMISSIBLE ELEVATIONS. DROP FOOTINGS AS REQUIRED TO MAINTAIN BOTTOM OF FOOTING A MINIMUM OF 2'-6" BELOW ADJACENT FINISHED GRADE OR AS REQUIRED TO FIND SOIL BEARING MEETING MINIMUM SPECIFIED ALLOWABLE BEARING PRESSURE.
6. (0.00') INDICATES ELEVATION OF TOP OF FOOTING, REFERENCED FROM THE MAIN FLOOR ELEVATION OF 0'-0", WHICH CORRESPONDS TO AN ACTUAL ELEVATION OF 60.66'.
7. STEP ALL WALL FOOTINGS AS INDICATED OR AS REQUIRED BELOW UNDERGROUND UTILITIES PER DETAIL C/S301. LOWER FOOTINGS AS REQUIRED TO COMPLY WITH DETAIL B/S301. THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS OF ALL UTILITIES WITH THE TOP OF FOOTING ELEVATIONS SHOWN AND ADJUST AS REQUIRED. COORDINATE ALL UTILITY LOCATIONS WITH SITE, PLUMBING, ELECTRICAL AND MECHANICAL DRAWINGS. THE SYMBOL ---------- ON THE PLAN INDICATES A UTILITY CROSSING A FOUNDATION WALL. UTILITIES ARE SHOWN ON THIS DRAWING AS AN EFFORT TO AID IN THE COORDINATION OF TRADES. IT IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL UTILITIES. G.C. TO COORDINATE FOOTING STEPS AND/OR LOWERED COLUMN FOOTINGS WITH UTILITY CONTRACTOR AND CONCRETE CONTRACTOR PIER TO FOOTING POUR.
8. SEE G/S301 FOR JAMB REINFORCING AT ALL OPENINGS IN MASONRY WALLS.
9. SEE E/S301 FOR MASONRY WALL REINFORCING, TYPICAL UNLESS NOTED OTHERWISE.
10. EXTEND GRADE BEAM TO FACE OF WALL.
11. PROVIDE 3'-0"x3'-0"x1'-0" CONCRETE FOOTING WITH 3-#5 BEW, CENTERED ON WALL EACH DIRECTION.
12. NEW FLOOR TO BE 4" CONCRETE SLAB ON GRADE REINFORCED WITH 1-LAYER OF 6x6-W2.1xW2.1 WELDED WIRE MESH. JOINTS IN MESH TO LAP 6" MINIMUM. SLAB SUB-GRADE TO BE 4" WASHED STONE OR GRAVEL COVERED WITH 10 MIL. POLYETHYLENE VAPOR RETARDER. LAP AND TAPE JOINTS.



Ceiling Framing Plan

1/4" = 1'-0"

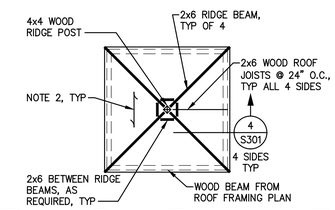


Roof Framing Plan

1/4" = 1'-0"

FRAMING PLAN NOTES:

1. SEE SHEET S101 FOR STRUCTURAL NOTES AND SHEET S301 FOR TYPICAL DETAILS. THE TYPICAL DETAILS APPLY WHEREVER THE CONDITION EXISTS UNLESS NOTED OTHERWISE.
2. ENTIRE ROOF TO BE 23/32", APA RATED, PLYWOOD DECK WITH PANEL I.D. 48/24.
3. (2)-2x6 RIDGE BEAM.
4. 2x6 WOOD RAFTERS @ 16" OC.
5. HOLD BOTTOM OF (2)-2x10 WOOD CEILING BEAM FLUSH WITH 2x8 WOOD CEILING JOISTS.
6. PROVIDE LINTELS IN STRUCTURAL WALLS SIZED PER LINTEL SCHEDULE IN STRUCTURAL NOTES. COORDINATE SIZE AND LOCATION OF MASONRY OPENING WITH ARCHITECTURAL DRAWINGS. SEE SECTION F/S301 FOR LINTELS IN CAVITY WALLS.



Roof Cap Framing Plan

1/4" = 1'-0"

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — STEPHEN M. GROSS — No. 200363 — PROFESSIONAL ENGINEER

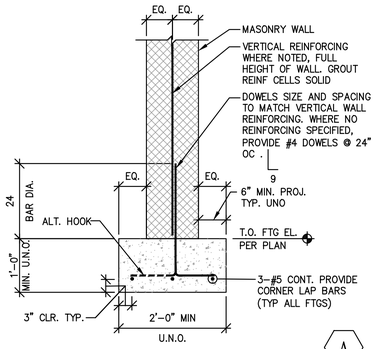
"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 200363, EXPIRATION DATE 3/19/2025."

NO.	DESCRIPTION	BY	DATE
△			

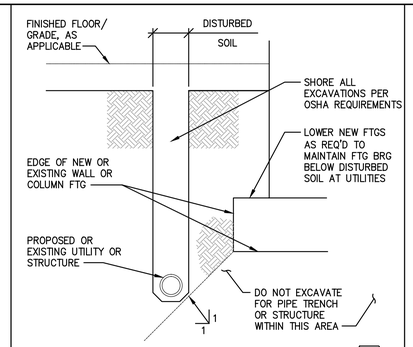
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 12/9/2024

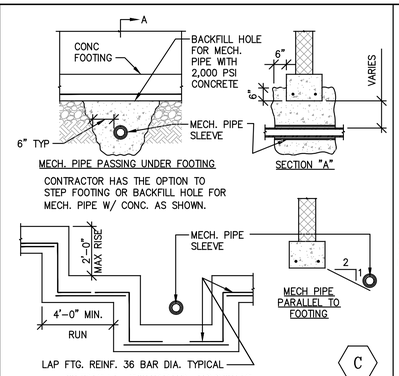
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING - VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO. 12 OF 73	FIRE PUMP BUILDING PLANS
		PROJECT NO. P584600	S201
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. 10493	



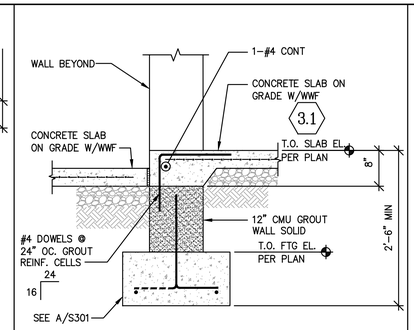
TYPICAL MASONRY WALL FOOTING



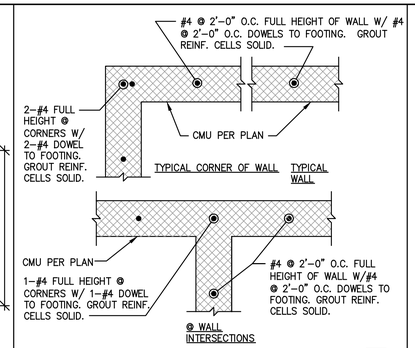
TYPICAL PIPE TRENCH/UTILITY STRUCTURE EXCAVATION



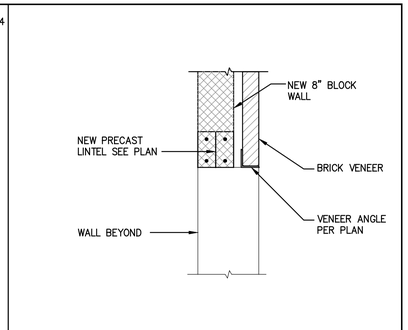
TYPICAL STEPPED FOOTING



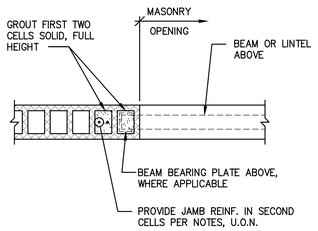
TYPICAL SLAB AT EXTERIOR DOOR



TYPICAL MASONRY WALL REINFORCING DETAIL



TYPICAL LINTEL IN EXTERIOR MASONRY WALL

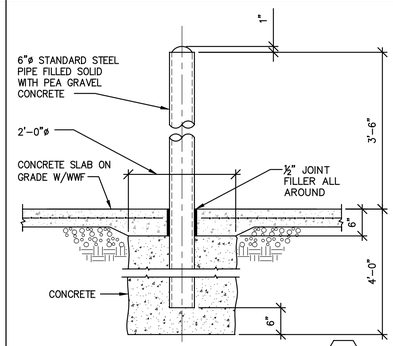


NOTES:

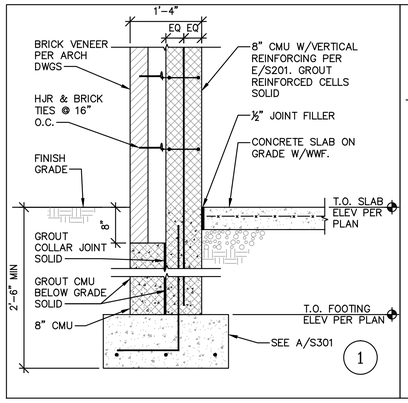
1. AT REINFORCED EXTERIOR WALLS – PROVIDE ½ OF INTERRUPTED VERTICAL REINFORCING OR 2 BARS MINIMUM OF SAME SIZE AS WALL REINFORCING W/ SAME NUMBER OF JAMB DOWELS INTO FOOTING. DOWELS TO BE SAME SIZE AS JAMB REINFORCING.

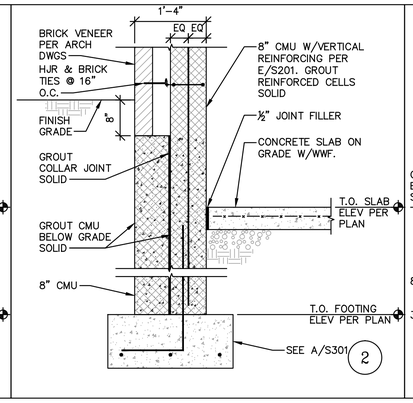
TYPICAL STRUCTURAL MASONRY WALL JAMB REINFORCING DETAIL

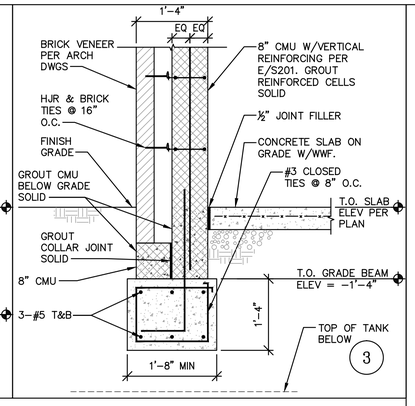
G

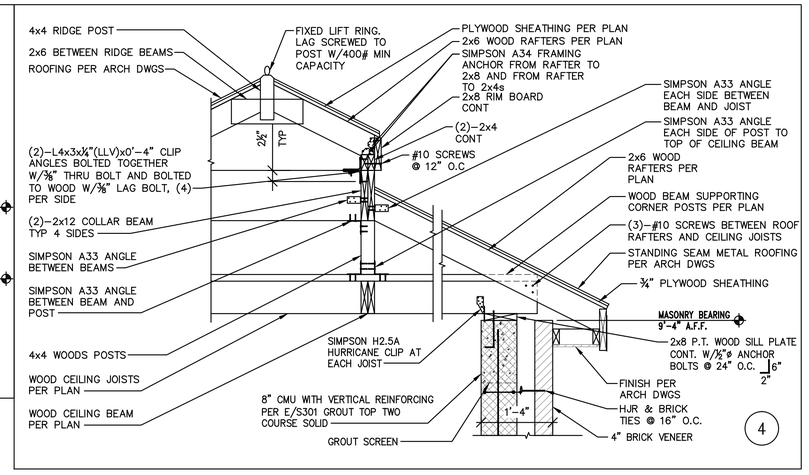


TYPICAL BOLLARD









RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — STEPHEN M. BRONE — No. 200363 — PROFESSIONAL ENGINEER

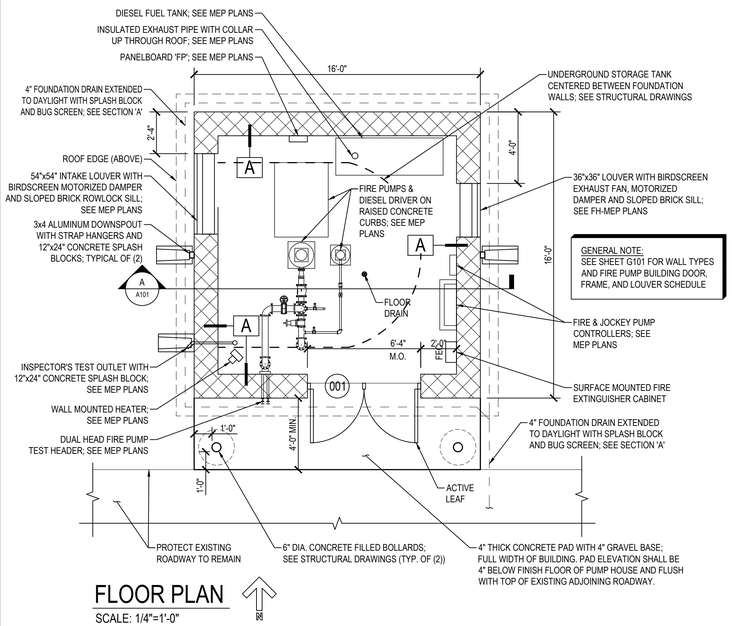
"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 200363, EXPIRATION DATE 3/19/2025."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 12/9/2024

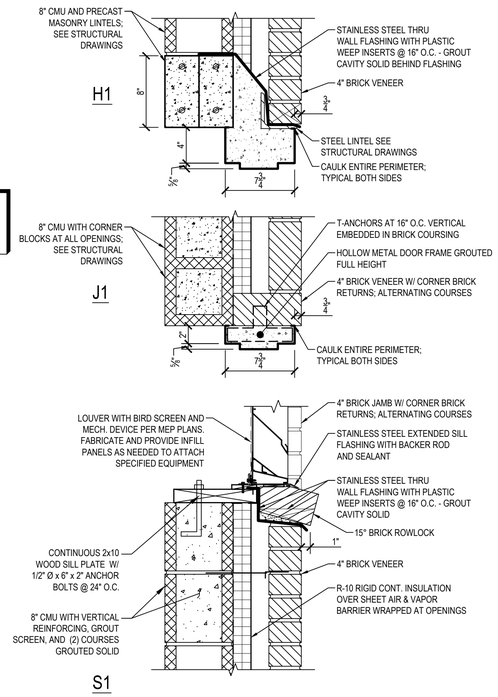
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING – VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO. 13 OF 73	FIRE PUMP BUILDING DETAILS & SECTIONS
		PROJECT NO. P584600	S301
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. 10493	



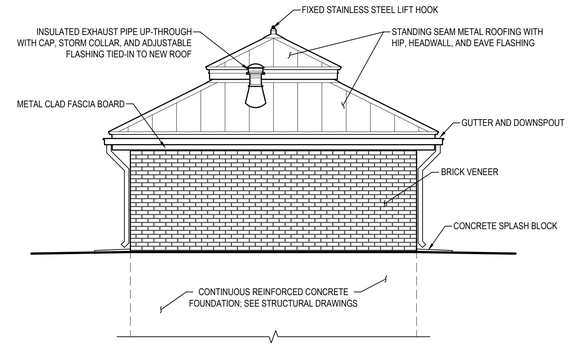
GENERAL NOTE:
SEE SHEET G101 FOR WALL TYPES AND FIRE PUMP BUILDING DOOR, FRAME, AND LOUVER SCHEDULE

FLOOR PLAN

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

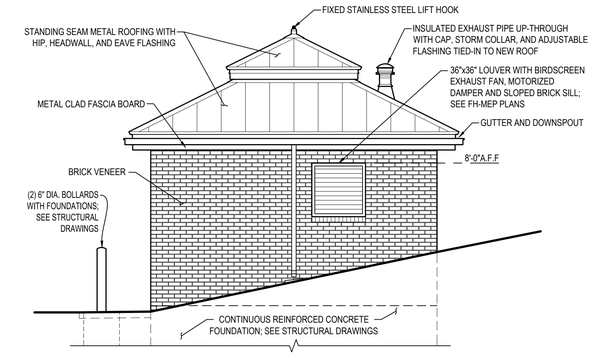


FIRE PUMP BUILDING HEAD-SILL-JAMB DETAILS



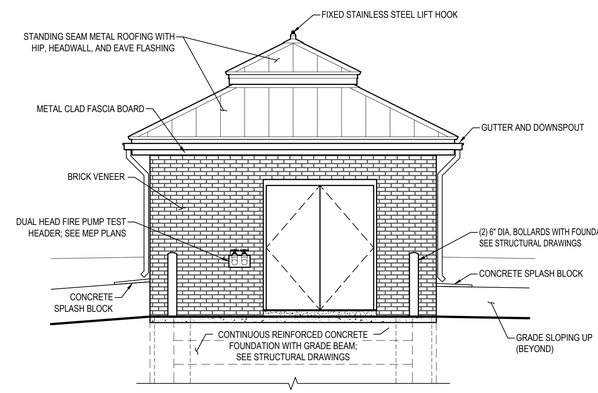
NORTH ELEVATION

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



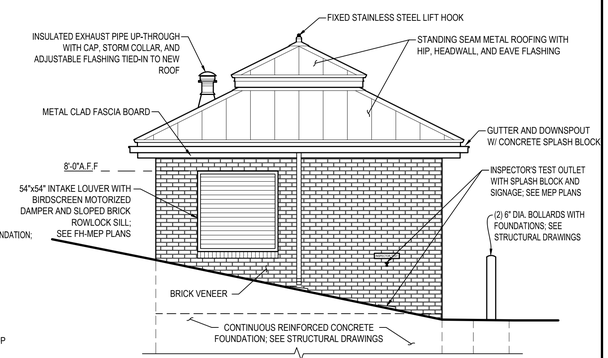
EAST ELEVATION

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



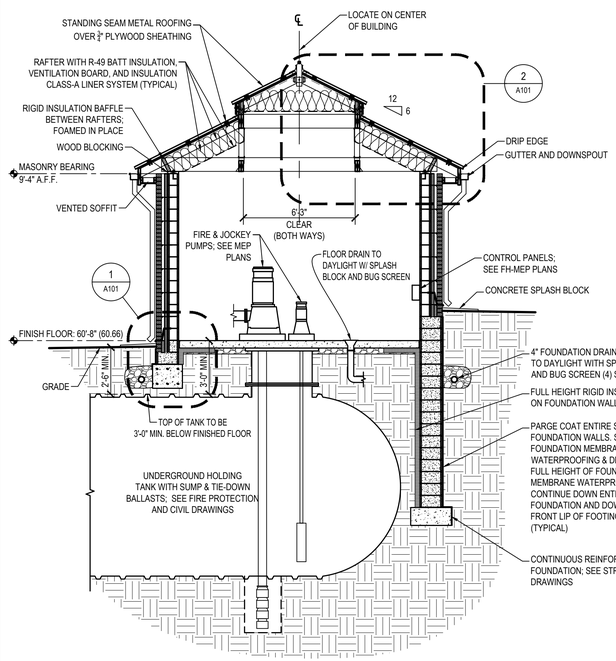
SOUTH ELEVATION

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



WEST ELEVATION

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

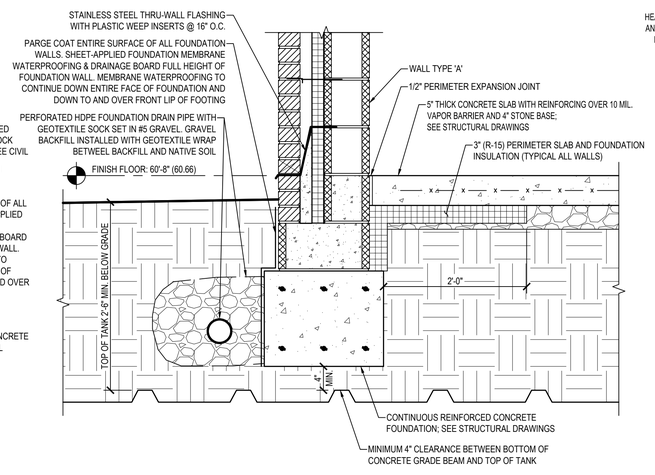


SECTION 'A'

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

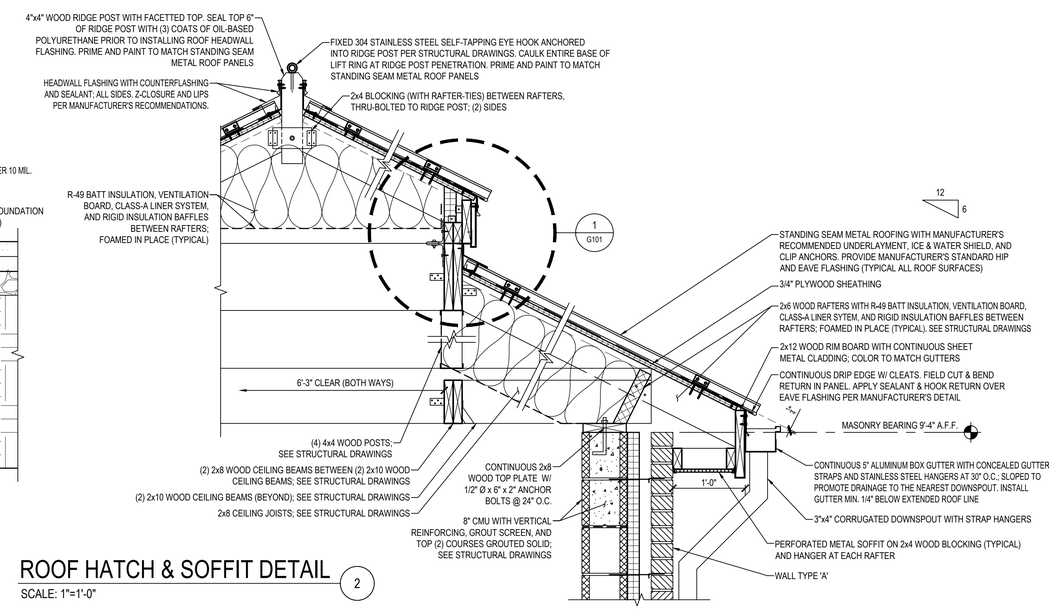
FOUNDATION DRAIN NOTES:

1. TOP OF PERFORATED PIPE MUST BE AT OR BELOW THE TOP OF FOOTING.
2. PROVIDE PERFORATED HDPE FOUNDATION DRAIN PIPE WITH GEOTEXTILE SOCK ENTIRE LENGTH OF RUN; PROVIDE #5 GRAVEL SIZED TO INFILL TIGHT TO FOUNDATION DRAIN WITHOUT CREATING LARGE GAPS / SPACES.
3. PROVIDE AND INSTALL GEOTEXTILE WRAP BETWEEN BACKFILL AND NATIVE SOIL ALONG ENTIRE LENGTH OF RUN; FABRIC APPARENT OPENING SIZE TO BE SELECTED BASED ON NATIVE SOIL TO PROMOTE PROPER DRAINAGE.
4. MINIMUM OF 6" GRAVEL BACKFILL ON ALL SIDES OF FOUNDATION DRAIN PIPE.



FOUNDATION DETAIL 1

SCALE: 1"=1'-0"



ROOF HATCH & SOFFIT DETAIL 2

SCALE: 1"=1'-0"

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

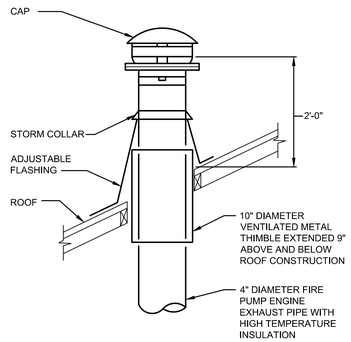
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

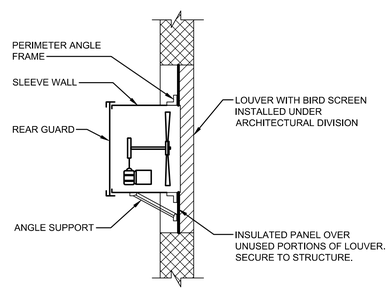
DATE: 3-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
APPROVED DATE	APPROVED DATE	CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	SHEET NO.14 OF 73	FIRE PUMP BUILDING PLANS, ELEVATIONS, DETAILS, SECTION, DOOR SCHEDULES AND TYPES
		PROJECT NO. P584600	A101
		CONTRACT NO. P584608	



EXHAUST PIPE THRU ROOF DETAIL

NO SCALE



FAN MOUNTING DETAIL

NO SCALE

MECHANICAL LEGEND

SYMBOL	ABBREV	DESCRIPTION
	SAN	SANITARY
	V	VENT
	CO	CLEANOUT; LINE; FLOOR
	D-1	FLOOR DRAIN
G T N		THERMOSTAT; "G" GUARD; "N" NIGHT
	CX	CONNECT TO EXISTING
	POD	POINT OF DISCONNECT

MECHANICAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION
Ø OR DIA	DIAMETER
@	AT
AFF	ABOVE FINISHED FLOOR
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
₵ OR CFM	CUBIC FEET PER MINUTE
CX	CONNECT TO EXISTING
DIA	DIAMETER
EA	EXHAUST AIR
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER
EX	EXISTING
F	FAHRENHEIT
FC	FLEXIBLE CONNECTION
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
HP	HORSE POWER
KW	KILOWATT
MOD	MOTOR OPERATED DAMPER
MTD	MOUNTED
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
POD	POINT OF DISCONNECT
RPM	REVOLUTIONS PER MINUTE
SP	STATIC PRESSURE
SS	STAINLESS STEEL
TYP	TYPICAL
UH	UNIT HEATER
V	VENT
V/PH/HZ	VOLTS/PHASE/HERTZ
VTR	VENT THRU ROOF
WCO	WALL CLEANOUT WITH COVER PLATE
WG	WATER GAUGE
W/O	WITHOUT

GENERAL NOTES: (APPLY TO ALL DRAWINGS)

1. ALL WORK SHALL BE NEW, PROVIDED AND INSTALLED UNDER THIS CONTRACT UNLESS SPECIFICALLY MARKED EXISTING, EX, EXISTING TO REMAIN, OR ETR.
2. RUN ALL SOIL, WASTE AND DRAIN PIPING WITH 2 PERCENT MINIMUM GRADE UNLESS OTHERWISE NOTED. HORIZONTAL VENT PIPING SHALL BE GRADED TO DRIP BACK TO THE SOIL OR WASTE PIPE BY GRAVITY.
3. ELEVATIONS NOTED ARE TO CENTERLINES OF PIPES FOR ALL PRESSURE LINES AND TO INVERT FOR ALL GRAVITY FLOW LINES.
4. MAINTAIN MINIMUM OF 3'-0" COVER OVER UNDERGROUND WATER MAINS AND MINIMUM OF 2'-6" COVER OVER UNDERGROUND SEWERS AND DRAINS.
5. UNLESS OTHERWISE NOTED, ALL PIPING AND DUCTWORK IS OVERHEAD, TIGHT TO UNDERSIDE OF STRUCTURE, WITH SPACE FOR INSULATION IF REQUIRED.
6. INSTALL PIPING AND DUCTWORK SO THAT ALL VALVES AND DAMPERS ARE ACCESSIBLE.
7. COORDINATE ALL MECHANICAL WORK WITH ELECTRICAL WORK, ETC., SHOWN ON OTHER DRAWINGS.
8. EXCEPT AS OTHERWISE NOTED, LOCATE ALL ROOM THERMOSTATS 60 INCHES ABOVE FINISHED FLOOR. NOTIFY THE ENGINEER OF ANY ROOMS WHERE THE ABOVE LOCATION CANNOT BE MAINTAINED OR WHERE THERE IS A QUESTION ON LOCATION.
9. CERTAIN ITEMS SUCH AS ACCESS DOORS, CLEANOUTS, RISE AND DROPS IN DUCTWORK AND PIPING, ETC., ARE INDICATED ON THE DRAWINGS FOR CLARITY OR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THESE ITEMS AS REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS.
10. FLOW SCHEMATIC AND RISER DIAGRAMS INDICATE FLOW AND OPERATION CONCEPT AS WELL AS GENERAL ARRANGEMENT OF EQUIPMENT. VALVES, PRESSURE GAUGES, ETC. ARE INDICATED FOR THIS PURPOSE. ADDITIONAL VALVES, PRESSURE GAUGES, ETC. SHALL BE PROVIDED AS SHOWN ON VARIOUS EQUIPMENT DETAILS. SEE PLANS AND DETAILS FOR PIPE SIZES NOT INDICATED ON FLOW SCHEDULE AND RISER DIAGRAMS.
11. MAINTAIN MINIMUM 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUIT, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL AND ELECTRICAL ROOMS.
12. TURNING VANES SHALL BE PROVIDED, IN COMPLIANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS, IN ALL SQUARE AND RECTANGULAR DUCT ELBOWS AND SPLITS.
13. FLEXIBLE DUCT AND PIPE CONNECTORS SHALL BE PROVIDED ON ALL CONNECTIONS TO AIR HANDLING AND PUMP EQUIPMENT UNLESS NOTED OTHERWISE.
14. DUCT TRANSITIONS SHALL BE PROVIDED BETWEEN DUCT SIZES INDICATED AND ALL EQUIPMENT CONNECTIONS UNLESS NOTED OTHERWISE.

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

EBL ENGINEERS
ESTABLISHED 1972
Mechanical - Electrical - Fire Protection
8005 Harford Road
Baltimore, Maryland 21234-5701
Tel: (410) 665-6000
E-mail: ebl@ebl-engineers.com

STATE OF MARYLAND — LUCAS H. WIEDE — NO. 44927 — PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER 44927, EXPIRATION DATE 12/22/2025."

(C) EBL ENGINEERS, LLC
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK — FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS — 600 QUIET WATERS PARK RD — ANNAPOLIS, MD 21403
		DRAWN BY: JCW	
		CHECKED BY: DAB	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO. 15 OF 73	MECHANICAL & PLUMBING GENERAL NOTES, LEGEND, ABBREVIATIONS, & DETAIL — FH-MP001
		PROJECT NO. P584600	
		CONTRACT NO. P584608	

EXHAUST FAN SCHEDULE

UNIT NO	SERVICE	CFM	FAN RPM	SP (IN WG)	TYPE/ DRIVE	ELECTRICAL HP-V/PH/HZ	NOTES	MANUFACTURER & MODEL NO
EF-1	PUMP ROOM	4,300	1,230	0.33	PR/BD	½ - 208/3/60	3,4,5,7,8,10,12	COOK - EW
-	-	-	-	-	-	-	-	-

TYPES/DRIVES:

RV - ROOF VENTILATOR
PR - PROPELLER
DD - DIRECT DRIVE
IL - IN-LINE CENTRIFUGAL
CAB - CABINET
BD - BELT DRIVE
US - UTILITY SET
SP - SPECIAL
VD - VARIABLE DRIVE

NOTES:

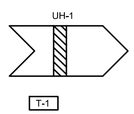
1. PREFAB CURB
2. BUILT-UP CURB
3. BIRD SCREEN
4. WALL SLEEVE
5. LOUVER
6. BACKDRAFT WALL SHUTTER
7. MOTORIZED DAMPER
8. PRE-WIRED DISCONNECT
9. CORR PROTECT COAT
10. INLET SAFETY SCREEN
11. EXPLOSION PROOF
12. THERMOSTATICALLY CONTROLLED
13. SPEED CONTROLLER

UNIT HEATER - ELECTRIC SCHEDULE

UNIT NO	SERVICE	CFM	RPM	ELECTRIC		NOTES	MANUFACTURER & MODEL NO
				KW	FAN HP-V/PH/HZ		
UH-1	PUMP ROOM	380	-	5	1/10 - 208/3/60	1,3,5	MODINE - HER
-	-	-	-	-	-	-	-

NOTES:

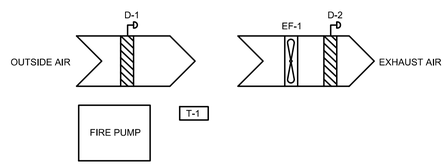
1. WALL THERMOSTAT
2. INTEGRAL THERMOSTAT
3. HORIZONTAL
4. VERTICAL
5. WALL MOUNTED
6. CEILING MOUNTED
7. RECESSED



ELECTRIC UNIT HEATER UH-1 CONTROL SEQUENCE

NO SCALE

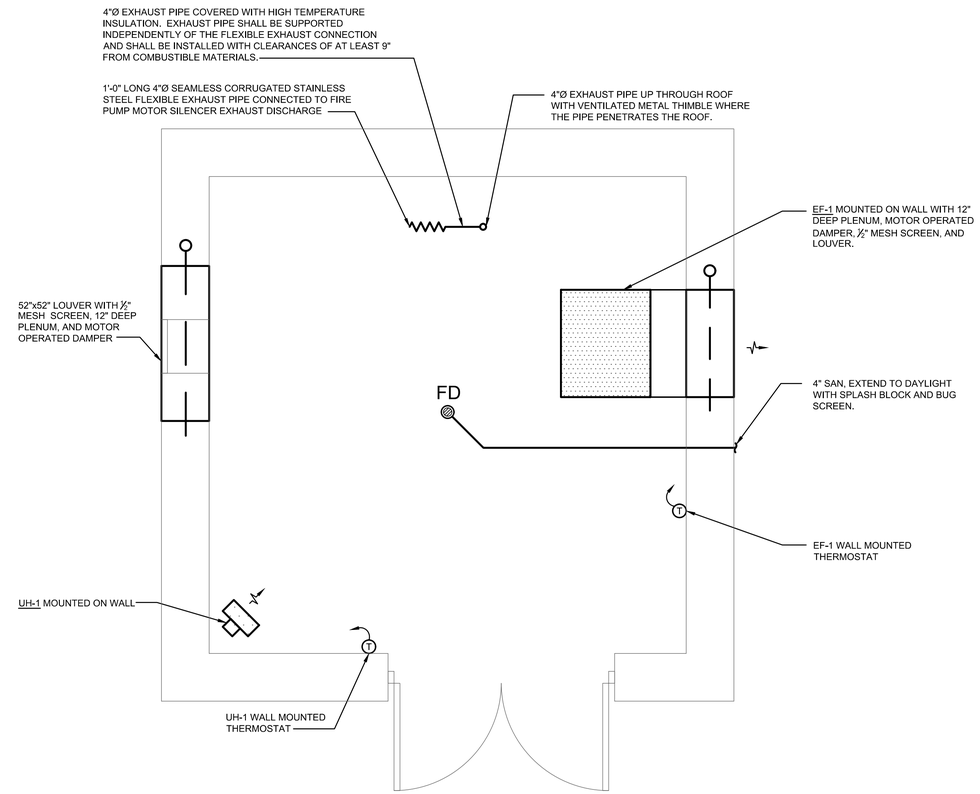
1. ROOM THERMOSTAT T-1 SHALL ENERGIZE AND DE-ENERGIZE UH-1 TO MAINTAIN SETPOINT (40°F, ADJUSTABLE).



EXHAUST FAN EF-1 & COMBUSTION AIR CONTROL SEQUENCE

NO SCALE

1. WHEN FIRE PUMP IS ENERGIZED DAMPER D-1 SHALL OPEN.
2. WHEN FIRE PUMP AND EXHAUST FAN EF-1 ARE DE-ENERGIZED DAMPERS D-1 AND D-2 SHALL BE CLOSED.
3. ROOM THERMOSTAT T-1 SHALL ENERGIZE AND DE-ENERGIZE EF-1 TO MAINTAIN SETPOINT (95°F, ADJUSTABLE). DAMPERS D-1 AND D-2 SHALL OPEN WHENEVER EF-1 IS ENERGIZED.
4. UPON LOSS OF POWER DURING FIRE PUMP OPERATION, DAMPERS D-1 AND D-2 SHALL FAIL OPEN.



FIRE PUMP HOUSE FLOOR PLAN - MECHANICAL - NEW WORK

SCALE: 1/2"=1'-0"

CAUTION:
IF THIS PLAN IS A REDUCTION, GRAPHIC SCALES MUST BE USED.

GRAPHIC SCALE
0 1' 2' 4' 6' 1/2"=1'-0"

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

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Mechanical - Electrical - Fire Protection
8005 Harford Road
Baltimore, Maryland 21234-5701
Tel: (410) 668-0200
E-mail: ebl@eblengineers.com

STATE OF MARYLAND LUCAS H. WIEDE No. 44927 PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER 44927, EXPIRATION DATE 12/22/2025."

(C) EBL ENGINEERS, LLC
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS
DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JCW	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
APPROVED DATE	APPROVED DATE	CHECKED BY: DAB	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	SHEET NO. 16 OF 73	MECHANICAL & PLUMBING - FIRE PUMP
		PROJECT NO. P584600	HOUSE FLOOR PLAN, SCHEDULES, & CONTROL SEQUENCES
		CONTRACT NO. P584608	FH-MP101

LIGHTING FIXTURE SCHEDULE

TYPE	MOUNTING	VOLTS	LAMPS NUMBER & TYPE	NOMINAL LUMENS	NOMINAL FIXTURE WATTS	MANUFACTURER & CAT.# (OR APPROVED EQUAL)	DESCRIPTION	NOTES
A	CHAIN HUNG @ 8'-6" AFF	120	LED	3344	24	COLUMBIA LIGHTING LXEM4-40VW-DFA-EDU	4' LINEAR ENCLOSED AND GASKETED FIBERGLASS LUMINAIRE. NEMA 4X RATING WITH DEEP FROSTED ACRYLIC SHIELDING.	
A-N	CHAIN HUNG @ 8'-6" AFF	120	LED	3344	24	COLUMBIA LIGHTING LXEM4-40VW-DFA-EDU-ELL14	4' LINEAR ENCLOSED AND GASKETED FIBERGLASS LUMINAIRE. NEMA 4X RATING WITH DEEP FROSTED ACRYLIC SHIELDING. 1400 LUMEN EMERGENCY BATTERY PACK.	
B	SURFACE MOUNT @ 6'-9" AFG	120	LED	6388	61	LITHONIA MRW-LED-P4-40K-SR4-MVOLT-SF-DDBXD	LED EXTERIOR WALL SCONCE.	
B-N	SURFACE MOUNT @ 6'-9" AFG	120	LED	6388	61	LITHONIA MRW-LED-P4-40K-SR4-MVOLT-SF-E20WC-DDBXD	LED EXTERIOR WALL SCONCE WITH A COLD WEATHER EMERGENCY BATTERY PACK.	

PANELBOARD 'FP'

208/120 VOLTS - 3 PHASE - 4 WIRE - SURFACE MOUNTED

CIR	FOR	BREAKER POLE	BREAKER TRIP	AMPERES/PHASE A		AMPERES/PHASE B		AMPERES/PHASE C		CIR	FOR	BREAKER POLE	BREAKER TRIP
1	UH-1	3	20	13.9	3.5					2	JOCKEY PUMP	3	15
3						13.9	3.5			4			
5								13.9	3.5	6			
7	EF-1	3	15	3.5	10.0					8	FIRE PUMP CONTROLS	1	20
9						3.5	7.5			10	RECEPTACLES	1	20
11								3.5	2.1	12	OUTDOOR LIGHTING	1	15
13	INDOOR LIGHTING	1	15	0.8	0.0					14	SPARE	1	20
15	PUMP BATTERY CHARGER	1	20			5.0	0.0			16	SPARE	1	20
17	PUMP JACKET HEATER	1	20					7.0	0.0	18	SPARE	1	20
19	SPARE	1	20	0.0	0.0					20	SPARE	1	20
21	SPARE	1	20			0.0	0.0			22	SPARE	1	20
23	SPARE	1	20					0.0	0.0	24	SPARE	1	20
25	SPACE	1	-	0.0	0.0					26	SPACE	1	-
27	SPACE	1	-			0.0	0.0			28	SPACE	1	-
29	SPACE	1	-					0.0	0.0	30	SPACE	1	-
				18.2	13.5	22.4	11.0	24.4	5.6				
			TOTALS	A=	31.7	B=	33.4	C=	30.0				

CONNECTED LOAD 11.41 KVA

MAIN CIRCUIT BREAKER - 100 AMPERE
10,000 A.I.C. SYM.

ELECTRICAL LEGEND

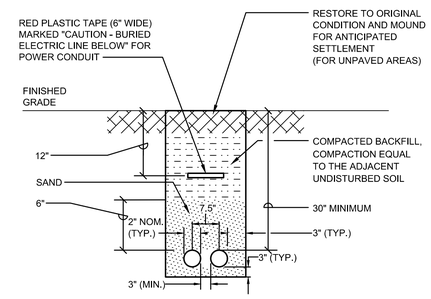
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE - TYPE AS INDICATED
	LIGHTING FIXTURE - CEILING, WALL MOUNTED, DIRECTIONAL - TYPE AS INDICATED
	LIGHTING FIXTURE ON EMERGENCY OR NIGHT LIGHT CIRCUIT
S	SWITCH - SINGLE POLE (UNLESS NOTED OTHERWISE) - MOUNTING HEIGHT 4'-0"
GFI	GFI RECEPTACLE - 20A., 125V. - MOUNTING HEIGHT 18" UNLESS NOTED OTHERWISE
	PANELBOARD - TYPE AS NOTED - MOUNTING HEIGHT 6'-6" TO TOP
	CONDUIT - IN OR ON CEILING OR WALLS
	CONDUIT - IN OR UNDER FLOOR
	HOMERUN TO PANEL - NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS AND NUMBER OF CROSSLINES INDICATES NUMBER OF #12 PHASE & NEUTRAL CONDUCTORS - WHERE NO CROSSLINES APPEAR 2#12 CONDUCTORS ARE IMPLIED. GROUND WIRE IS NOT SHOWN BUT REQUIRED. PROVIDE #12 GROUND WIRE UNLESS OTHERWISE INDICATED.
F	DISCONNECT SWITCH - FUSED, NON-FUSED - TYPE AND RATING AS INDICATED
M, S_M, S_{MP}	MANUAL MOTOR STARTER, H.P. RATED SWITCH, H.P. RATED SWITCH WITH PILOT LIGHT - MOUNTING HEIGHT 4'-0" - TYPE AND RATING AS REQUIRED
	UNIT HEATER - TYPE AS NOTED
M	MOTOR - HORSEPOWER AS NOTED
	DUCTBANK - NUMBER OF DUCTS AS INDICATED
S_{TC}	ASTRONOMICAL TIME CLOCK - 7 DAY, 2 CIRCUIT, ELECTRONIC CONTROL, 120V VAC, 2-SPST, INDOOR METAL ENCLOSURE - INTERMATIC MODEL #ET8215C OR APPROVED EQUAL
J	JUNCTION BOX - CEILING, WALL MOUNTED - SIZE PER NEC OR AS INDICATED
	GROUND ROD

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CAPACITY
BKR	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
DISC	DISCONNECT
EF	EXHAUST FAN
EMT	ELECTRICAL METALLIC TUBING
EX	EXISTING
F	FUSED OR FUSIBLE
FLA	FULL LOAD AMPERES
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
HP	HORSEPOWER
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILO-VOLTS-AMPERES
KW	KILO-WATTS
LTG	LIGHTING
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NO.,#	NUMBER
P	POLE (1P., 2P., 3P.)
SEC	SECONDARY
UG	UNDERGROUND
UH	UNIT HEATER
V	VOLTS
W	WATTS
W/	WITH
WP	WEATHERPROOF

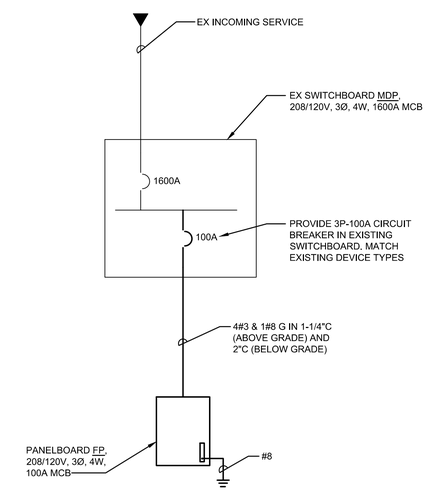
GENERAL NOTES: (APPLY TO ALL ELECTRICAL DRAWINGS)

1. ALL WIRE SIZES SHOWN ARE FOR COPPER CONDUCTORS.
2. DO NOT ROUTE CONDUIT EXPOSED ON BUILDING EXTERIOR. CONDUIT SHALL ENTER BUILDING AT CLOSEST POINT OF USAGE SERVING EXTERIOR EQUIPMENT UNLESS OTHERWISE INDICATED.
3. AMPACITY FOR CONDUCTORS 100 AMPS AND LESS SHALL BE BASED ON THE 60 DEGREE C AMPACITY RATING AS DEFINED BY THE NATIONAL ELECTRICAL CODE. CONDUCTORS FOR AMPACITIES GREATER THAN 100 AMPS SHALL BE BASED ON THE 75 DEGREE C RATING AS DEFINED BY THE NATIONAL ELECTRICAL CODE.
4. ELECTRICAL EQUIPMENT SUITABLE FOR EXTERIOR USE SHALL BE NEMA 3R RATED UNLESS OTHERWISE INDICATED.
5. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES IN FORCE AT THE TIME OF CONSTRUCTION.
6. PROVIDE EQUIPMENT REQUIRING AIR CIRCULATION WITH THE CLEARANCE REQUIRED BY THE MANUFACTURER UNLESS OTHERWISE INDICATED.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL EQUIPMENT INSTALLATION WITH OTHER TRADES.
8. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING WORK PRIOR TO FABRICATION AND INSTALLATION OF NEW MATERIAL.
9. THE CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE LOCATION OF EXISTING UTILITIES. WHERE DRILLING OR CUTTING EXISTING CONCRETE FLOORS, CONTRACTOR SHALL USE GROUND PENETRATING RADAR TO EXAMINE THE CONCRETE FOR UTILITIES AND STRUCTURAL MEMBERS. IF ANY OBSTRUCTIONS ARE FOUND, THE CONTRACTOR SHALL MOVE TO ANOTHER LOCATION FREE OF OBSTRUCTIONS.
10. THE CONTRACTOR SHALL EXERCISE CARE WHEN WORKING NEAR AREAS THAT ARE EXISTING TO REMAIN. IF THE CONTRACTOR DAMAGES ANY OF THOSE AREAS DURING THE COURSE OF CONSTRUCTION, REPAIR IN-KIND WITHOUT CHARGE TO THE OWNER.
11. A SEPARATE GROUND AND NEUTRAL WIRE SHALL BE RUN WITH EACH FEEDER AND BRANCH CIRCUIT. GROUND WIRE SHALL BE SIZED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, UNLESS OTHERWISE INDICATED.
12. ALL CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE HACR TYPE.
13. PROVIDE AN UNGROUNDED CONDUCTOR (NEUTRAL) TO ALL LIGHTING CONTROL SWITCH LOCATIONS. TERMINATE WIRE FOR FUTURE USE IF NOT USED FOR THE CURRENT PROJECT.
14. COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
15. MAINTAIN MINIMUM 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUIT, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL AND ELECTRICAL ROOMS. MAINTAIN A DEDICATED SPACE 72" ABOVE THE DISTRIBUTION EQUIPMENT OR TO STRUCTURAL CEILING, WHATEVER IS LOWER.
16. ALL INTERIOR AND EXTERIOR PENETRATIONS CREATED BY REMOVAL OR CREATED BY INSTALLATION SHALL BE SEALED AND/OR REPAIRED TO MATCH ADJACENT CONSTRUCTION AND FIRE RATINGS.
17. ALL ABANDONED PIPING, CONDUIT, ETC., SHALL BE REMOVED TO A POINT OF CONCEALMENT AND CAPPED. WIRING SHALL BE REMOVED TO SOURCE OR NEAREST POINT OF USAGE OUTSIDE THE SCOPE OF WORK.
18. CONTRACTOR TO CONFIRM THAT ALL TERMINATION LUGS ARE SUITABLE FOR THE CONNECTION INDICATED. PRIOR TO PURCHASING CABLE, IF DIFFERENT LUGS SIZES ARE REQUIRED, CONTRACTOR SHALL UPGRADE AT NO ADDITIONAL COST TO THE PROJECT.
19. CONTRACTOR SHALL PROVIDE LABELS ON ALL ELECTRICAL EQUIPMENT INDICATING EQUIPMENT NAME.
20. CONTRACTOR SHALL CALL MISS UTILITY TO LOCATE UNDERGROUND UTILITIES.



2 WAY DUCTBANK - DETAIL

NO SCALE



ONE-LINE DIAGRAM

NOT TO SCALE

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STATE OF MARYLAND — TYLER J. MARANVILLE — NO. 53278 — PROFESSIONAL ENGINEER
Tyler J. Maranville 3/28/25

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 53278, EXPIRATION DATE 01/02/2026."

(C) EBL ENGINEERS, LLC
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

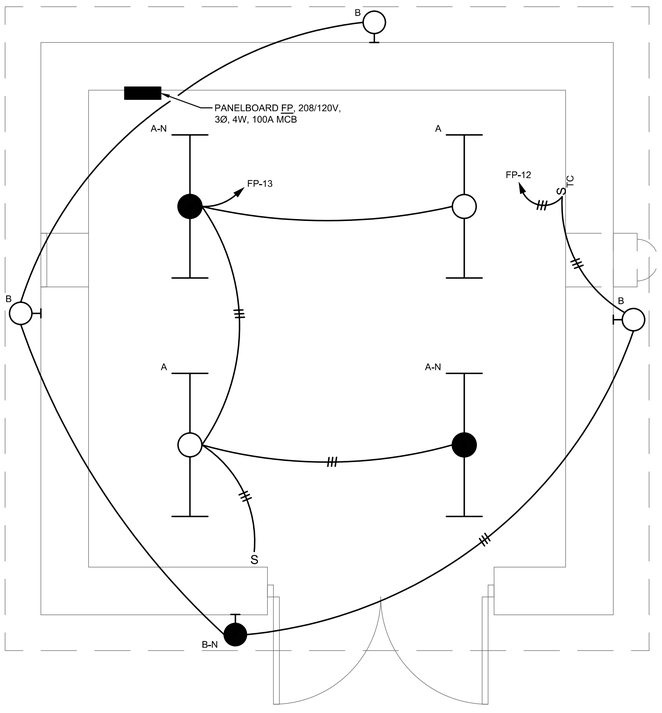
APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	DRAWN BY: JCW CHECKED BY: DAB SHEET NO. 17 OF 73 PROJECT NO. P584600 CONTRACT NO. P584608	ELECTRICAL GENERAL NOTES, LEGEND, AND ABBREVIATIONS — FH-E001

GENERAL NOTES: (APPLIES TO THIS SHEET ONLY)

1. SEE ONE LINE DIAGRAM ON DRAWING E001 FOR ADDITIONAL INFORMATION.

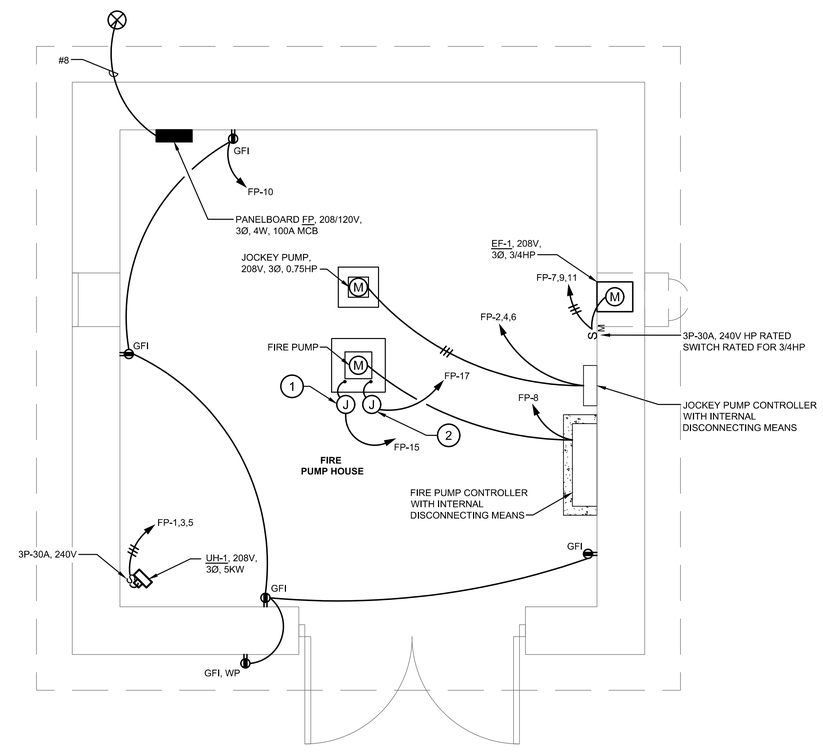
DRAWING NOTES: (APPLIES TO THIS SHEET ONLY)

1. JUNCTION BOX FOR BATTERY CHARGER. COORDINATE EXACT LOCATION WITH PUMP MANUFACTURER IN THE FIELD.
2. JUNCTION BOX FOR JACKET HEATER. COORDINATE EXACT LOCATION WITH PUMP MANUFACTURER IN THE FIELD.



FIRE PUMP HOUSE FLOOR PLAN - ELECTRICAL LIGHTING- NEW WORK

SCALE: 1/2"=1'-0"



FIRE PUMP HOUSE FLOOR PLAN - ELECTRICAL POWER - NEW WORK

SCALE: 1/2"=1'-0"

CAUTION:

IF THIS PLAN IS A REDUCTION, GRAPHIC SCALES MUST BE USED.

GRAPHIC SCALE

1/2"=1'-0"

0 1' 2' 3' 4' 5' 6'

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STATE OF MARYLAND — TYLER J. MARANVILLE — No. 53278 — PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 53278, EXPIRATION DATE 01/02/2026."

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NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

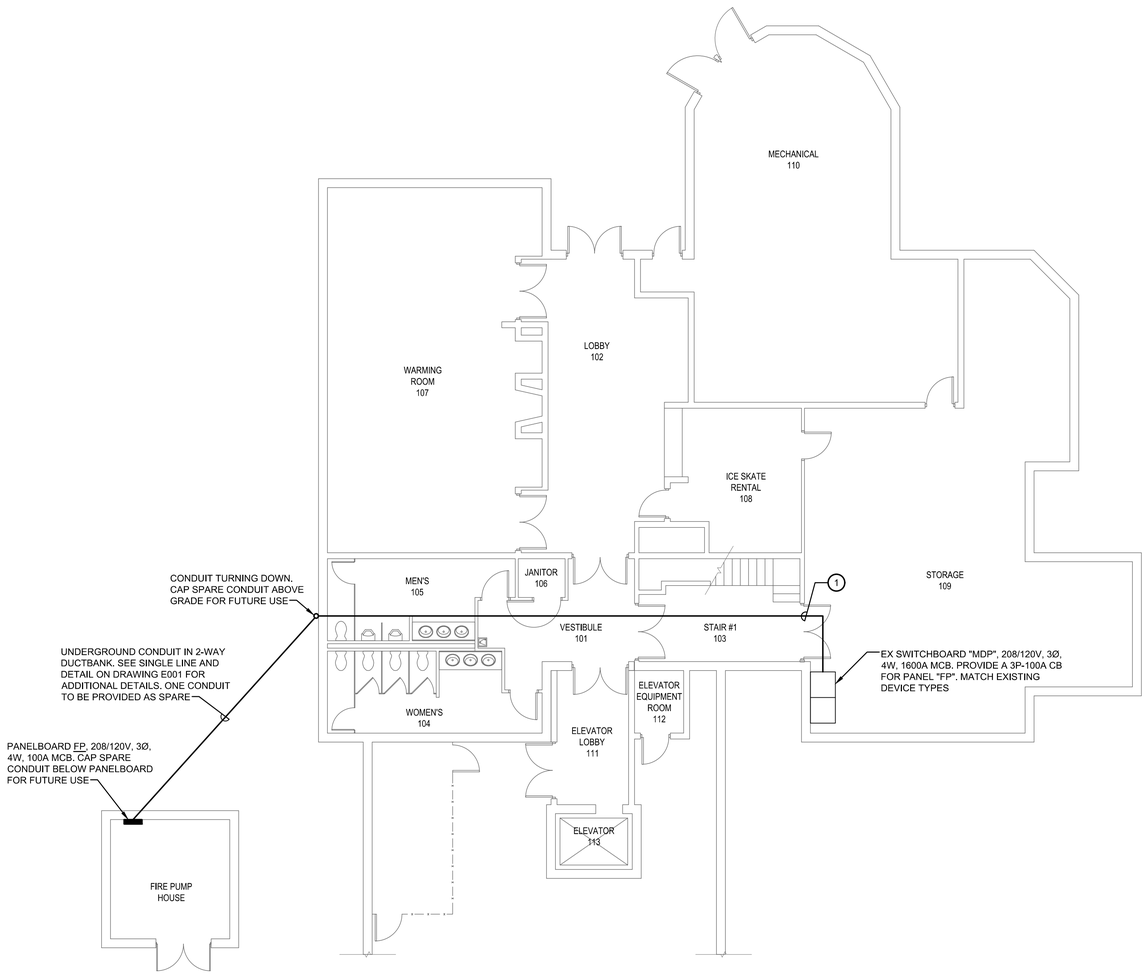
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JCW	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
APPROVED DATE	APPROVED DATE	CHECKED BY: DAB	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	SHEET NO. 18 OF 73	ELECTRICAL - FIRE PUMP HOUSE FLOOR PLAN
		PROJECT NO. P584600	FH-E101
		CONTRACT NO. P584608	

GENERAL NOTES: (APPLIES TO THIS SHEET ONLY)

1. SEE ONE LINE DIAGRAM ON DRAWING E001 FOR WIRE SIZES AND ADDITIONAL INFORMATION.

DRAWING NOTES: (APPLIES TO THIS SHEET ONLY)

1. RUN CONDUIT ABOVE CEILING. PROVIDE A JUNCTION BOX ABOVE ACCESSIBLE CEILING SO THAT TOTAL NUMBER OF BENDS FOR CONDUIT RUN DOES NOT EXCEED 360 DEGREES.



SITE PLAN - ELECTRICAL - NEW WORK

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

N

CAUTION:

IF THIS PLAN IS A REDUCTION,
GRAPHIC SCALES MUST BE USED.

GRAPHIC SCALE

1/8"=1'-0"

0 4' 8' 16' 24'

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STATE OF MARYLAND
TYLER J. MARANVILLE
NO. 53278
PROFESSIONAL ENGINEER
Tyler J. Maranville 3/28/25

"PROFESSIONAL CERTIFICATION.
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NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JCW	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
APPROVED DATE	APPROVED DATE	CHECKED BY: DAB	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	SHEET NO. 19 OF 73	ELECTRICAL - SITE PLAN
		PROJECT NO. P584600	FH-E102
		CONTRACT NO. P584608	

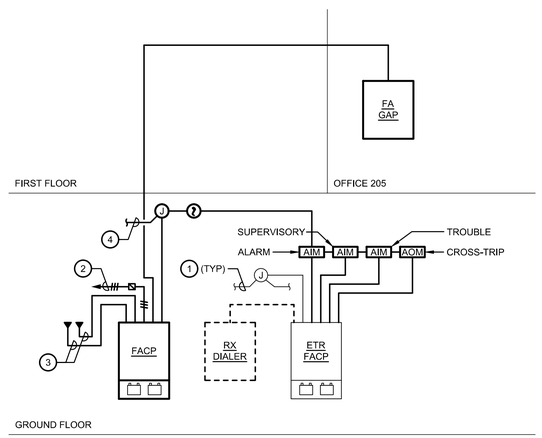
FIRE ALARM MATRIX (1)

SYSTEM RESPONSE	ACTIVATION OF ANY FIRE ALARM MANUAL PULL STATION	ACTIVATION OF ANY AREA SMOKE DETECTOR	ACTIVATION OF ANY WATERFLOW SWITCH/ PRESSURE SWITCH	ACTIVATION OF ANY VALVE TAMPER SUPERVISORY SWITCH	ACTIVATION OF ANY LOW TEMPERATURE SWITCH	ACTIVATION OF ANY LOW WATER LEVEL SUPERVISORY SWITCH (2)	FIRE PUMP - RUNNING	FIRE PUMP - LOSS OF PHASE	FIRE PUMP - PHASE REVERSAL	FIRE PUMP - CONTROLLER CONNECTED TO ALTERNATE SOURCE	POWER SUPPLY PROBLEMS (PRIMARY - TROUBLE, AND SECONDARY)	OPEN WIRE OR GROUND IN ANY SUPERVISED CIRCUIT
	DEVICE ACTIVATION											
ACTIVATE BUILDING COMBINATION HORN/STROBE AND STROBE APPLIANCES	●	●	●									
ACTIVATE ELECTRIC SPRINKLER ALARM BELL			●									
ACTIVATE SYSTEM SUPERVISORY				●	●	●	●	●	●	●		
ACTIVATE SYSTEM TROUBLE											●	●
ANNUNCIATE AT THE FACP AND REMOTE LCD ANNUNCIATOR PANEL	●	●	●	●	●	●	●	●	●	●	●	●
RECORD EVENTS IN THE SYSTEM MEMORY	●	●	●	●	●	●	●	●	●	●	●	●
TRANSMIT SIGNAL TO THE AACO APPROVED SUPERVISING STATION	●	●	●	●	●	●	●	●	●	●	●	●

FIRE ALARM MATRIX NOTES:

(1) FOR ADDITIONAL SYSTEM OPERATION REQUIREMENTS, SEE SPEC SECTION 283111.

(2) TWO SEPARATE SIGNALS: ONE INDICATING THAT THE REQUIRED WATER LEVEL HAS BEEN LOWERED OR RAISED (OFF NORMAL) AND THE OTHER INDICATING RESTORATION.



FIRE ALARM RISER DIAGRAM

NO SCALE

FIRE ALARM RISER DIAGRAM GENERAL NOTES:

1. ALL WIRING AND CONDUIT SIZES AND QUANTITIES SHALL BE IN ACCORDANCE WITH THE FIRE ALARM SYSTEM MANUFACTURER'S RECOMMENDATIONS, NFPA 70 AND NFPA 72. COORDINATE ALL WORK WITH THE ELEVATOR, MECHANICAL AND SPRINKLER CONTRACTOR.
2. FIRE ALARM RISER DIAGRAM IS DIAGRAMMATIC. RUNS OF CONDUIT AND MANNER OF CONNECTION SHALL BE DETERMINED BY THE CONTRACTOR AND IN ACCORDANCE WITH THE FIRE ALARM SYSTEM MANUFACTURER'S RECOMMENDATIONS, NFPA 70, NFPA 72 AND THE CONTRACT SPECIFICATIONS.
3. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN 3/4"C CONDUIT MINIMUM.
4. SEE FLOOR PLAN DRAWINGS FOR THE FIRE ALARM SYSTEM INITIATING AND NOTIFICATION APPLIANCE DEVICE LOCATIONS.
5. FOR 120V BRANCH CIRCUIT REQUIREMENTS, SEE ELECTRICAL DRAWINGS.

FIRE ALARM RISER DIAGRAM DRAWING NOTES:

(1) TO INITIATING DEVICES (TYPICAL).

(2) CONNECT TO BRANCH CIRCUIT SERVING EXISTING FACP.

(3) TELEPHONE WIRING.

(4) TO NEW INITIATING DEVICES IN FIRE PUMP HOUSE.

FIRE ALARM LEGEND

(NEW WORK)

SYMBOL	DESCRIPTION
	SPECIAL CABINET - TYPE AS NOTED
P	ADDRESSABLE FIRE ALARM MANUAL STATION WITH LEXAN GUARD AND SOUNDER MOUNTING HEIGHT 4'-0"
C 15,30, 75,110	FIRE ALARM COMBINATION AUDIO/VISUAL (HORN/STROBE) DEVICE MOUNTING HEIGHT 6'-8" UNLESS NOTED OTHERWISE SUBSCRIPT '15,30,75,110' DENOTES CANDELA RATINGS SUPERSCRIPT 'C' DENOTES CEILING MOUNTED
15,30, 75,110,115	FIRE ALARM VISUAL (STROBE) DEVICE MOUNTING HEIGHT 6'-8" UNLESS NOTED OTHERWISE SUBSCRIPT '15,30,75,110,115' DENOTES CANDELA RATINGS
WP 185	ELECTRIC SPRINKLER ALARM COMBINATION HORN/STROBE DEVICE MOUNTING HEIGHT 7'-6" UNLESS NOTED OTHERWISE SUPERSCRIPT "WP" DENOTES WEATHERPROOF DEVICE SUBSCRIPT "185" DENOTES CANDELA RATING
	SMOKE SENSOR - PHOTOELECTRIC TYPE
WF	SPRINKLER WATERFLOW SWITCH WITH ADDRESSABLE MONITOR MODULE
VS	VALVE TAMPER SUPERVISORY SWITCH WITH ADDRESSABLE MONITOR MODULE
LWL	LOW WATER LEVEL SUPERVISORY SWITCH WITH ADDRESSABLE MONITOR MODULE
LT	LOW TEMPERATURE SENSOR WITH ADDRESSABLE MONITOR MODULE
AIM	JUNCTION BOX WITH ADDRESSABLE MONITOR MODULE
AOM	JUNCTION BOX WITH ADDRESSABLE CONTROL MODULE
J	JUNCTION BOX WITH FIRE PLATE - SIZE AS REQUIRED
	DEDICATED TELEPHONE OUTLET (SEE ELECTRICAL/INFORMATION TECHNOLOGY DRAWINGS AND SPECIFICATIONS)
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
	FIRE ALARM/SPRINKLER ZONE BOUNDARY
	MATCHLINE
#	DRAWING NOTE NUMBER

ABBREVIATIONS

A	AMPERE
AHJ	AUTHORITY HAVING JURISDICTION
AFAPB	ADDRESSABLE FIRE ALARM POWER BOOSTER PANEL
AHU	AIR HANDLING UNIT
ATC	AUTOMATIC TEMPERATURE CONTROL
C	CONDUIT
EOR	ENGINEER OF RECORD
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAGAP	FIRE ALARM GRAPHIC ANNUNCIATOR PANEL
FAPB	FIRE ALARM POWER BOOSTER PANEL
FASC	FIRE ALARM SYSTEM CONTRACTOR
FDC	FIRE DEPARTMENT CONNECTION
FPE	FIRE PROTECTION ENGINEER
GRD	GROUND
IBC	INTERNATIONAL BUILDING CODE
IMC	INTERNATIONAL MECHANICAL CODE
MAX	MAXIMUM
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
Ø	PHASE
P	POLE (1P,2P,3P)
PA	PUBLIC ADDRESS SYSTEM
RTU	ROOF TOP UNIT
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WIRE
W/	WITH

CONVENTIONS

DETAIL

1 — DETAIL NO.

3 5 — SHEET NO. WHERE DETAIL IS SHOWN

SHEET NO. WHERE DETAIL IS TAKEN

FIRE ALARM/ELECTRICAL GENERAL NOTES:

1. THE GENERAL SCOPE OF THE FIRE ALARM PORTION OF THIS PROJECT SHALL CONSIST OF MODIFICATIONS TO AN EXISTING SUPERVISED DIGITAL/ADDRESSABLE FIRE ALARM AND DETECTION SYSTEM. ALL WORK SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS AND APPENDIX OF NFPA 70, 72, 90A, 101, IBC, IMC, LOCAL AUTHORITY, AND THE SPECIFICATIONS.
2. WHERE FIRE ALARM DEVICES ARE INSTALLED IN NEW PARTITIONS, THE DEVICES SHALL BE RECESSED MOUNTED. THE CONDUIT SHALL BE INSTALLED CONCEALED IN WALLS AND ABOVE CEILINGS - UNLESS NOTED OTHERWISE.
3. FIRE ALARM MANUAL PULL STATIONS AT DOOR OPENINGS SHALL BE WITHIN 5'-0" HORIZONTALLY OF THE DOOR OPENING.
4. SPACING OF SMOKE SENSOR/HEAT SENSORS SHALL BE IN ACCORDANCE WITH NFPA 72, 90A, IMC, AND AS INDICATED ON THE CONTRACT DOCUMENTS.
5. PROVIDE SYNCHRONIZATION FOR AUDIO (HORN) AND VISUAL (STROBE) NOTIFICATION APPLIANCE DEVICES WHERE THERE ARE MORE THAN TWO DEVICES WITHIN A FIELD OF VIEW TO COMPLY WITH THE REQUIREMENTS OF NFPA 72.
6. PROVIDE QUANTITY OF FIRE ALARM POWER BOOSTER PANELS BASED ON A/V LOAD, INCLUDING SPARE CAPACITY AS SPECIFIED IN SPEC SECTION 283111.
7. ALL FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED IN 3/4-INCH CONDUIT MINIMUM. CONDUCTORS FOR THE FIRE ALARM SYSTEM DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70. THE CONDUCTORS SHALL NOT BE INSTALLED IN CONDUIT, JUNCTION BOXES, OR OUTLET BOXES WITH CONDUCTORS OF LIGHTING OR POWER SYSTEMS. THE SUM OF THE CROSS-AREAS OF INDIVIDUAL CONDUCTORS SHALL NOT EXCEED 40 PERCENT OF THE INTERIOR CROSS-SECTIONAL AREA OF THE CONDUIT. ALL FIRE ALARM NON-POWER LIMITED CIRCUITS (WIRING) SHALL BE:
   - A. LOW-VOLTAGE CIRCUITS: NO. 14 AWG SOLID (THWN), MINIMUM INITIATING AND SIGNALING LINE CIRCUITS.
   - B. LOW-VOLTAGE CIRCUITS: NO. 14 AWG SOLID (THWN), MINIMUM NOTIFICATION APPLIANCE CIRCUITS.
   - C. LOW-VOLTAGE CIRCUITS NO. 16/2 AWG SHIELDED-SOLID-COPPER, MINIMUM NOTIFICATION APPLIANCE (SPEAKER) CIRCUITS. WEST PENN. NO. 60990 BS OR AN APPROVED EQUAL.
   - D. LINE-VOLTAGE CIRCUITS: NO. 12 AWG SOLID (THWN), MINIMUM.
8. ALL FIRE ALARM CONDUIT, COUPLINGS, AND CONNECTORS SHALL BE FACTORY PAINTED RED.
9. THE FIRE ALARM/ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF CEILING MOUNTED FIRE ALARM SYSTEM DEVICES INCLUDING THE ROUTING OF CONDUIT ABOVE CEILINGS WITH LIGHT FIXTURES, CONDUITS, DUCTWORK, DIFFUSERS, PIPING, AND ANY OTHER OBSTRUCTIONS.
10. CONDUCTORS FOR THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70. THE CONDUCTORS SHALL NOT BE INSTALLED WITH CONDUCTORS OF LIGHTING OR POWER SYSTEMS. THE SUM OF THE CROSS-AREA OF INDIVIDUAL CONDUCTORS SHALL NOT EXCEED 40 PERCENT OF THE INTERIOR CROSS-SECTION OF THE CONDUIT. ALL FIRE ALARM SYSTEM CONDUIT SHALL NOT BE LESS THAN 3/4 INCH.
11. FOR ADDITIONAL ELECTRICAL WORK, SEE ELECTRICAL DRAWINGS.
12. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.

CODE REFERENCES:

ALL REFERENCES TO IBC SHALL MEAN THE 2018 EDITION.
ALL REFERENCES TO IMC SHALL MEAN THE 2018 EDITION.
ALL REFERENCES TO NFPA 1 SHALL MEAN THE 2018 EDITION.
ALL REFERENCES TO NFPA 70 SHALL MEAN THE 2017 EDITION.
ALL REFERENCES TO NFPA 72 SHALL MEAN THE 2016 EDITION.
ALL REFERENCES TO NFPA 90A SHALL MEAN THE 2018 EDITION.
ALL REFERENCES TO NFPA 101 SHALL MEAN THE 2018 EDITION.
ALL REFERENCES TO NFPA 241 SHALL MEAN THE 2018 EDITION.
ALL REFERENCES TO NFPA 1221 SHALL MEAN THE 2018 EDITION.

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STATE OF MARYLAND — DANIEL A. BENZEN — No. 40447 — PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER 40447, EXPIRATION DATE 02/14/2026."

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NO.	DESCRIPTION	BY	DATE
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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE CHIEF ENGINEER	APPROVED DATE PROJECT MANAGER	SCALE: AS NOTED DRAWN BY: JCW CHECKED BY: DAB	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE ASSISTANT CHIEF ENGINEER	APPROVED DATE CHIEF, RIGHT OF WAY	SHEET NO. 20 OF 73 PROJECT NO. P584600 CONTRACT NO. P584608	FIRE ALARM GENERAL NOTES, LEGEND, AND ABBREVIATIONS — FH-FA001

GENERAL NOTES:

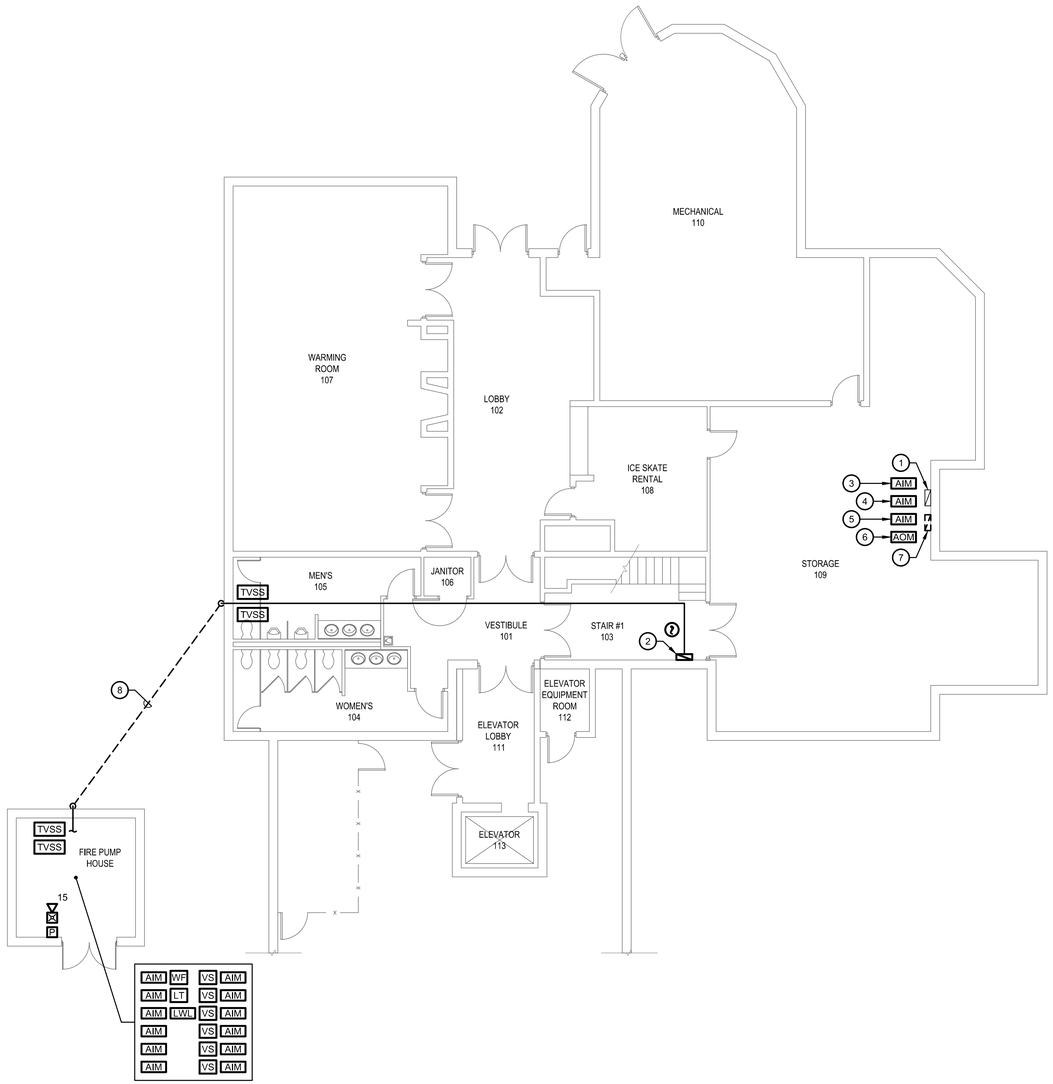
(APPLIES TO SHEET ONLY)

1. FOR FIRE ALARM GENERAL NOTES, LEGEND, ABBREVIATIONS, AND DETAILS, SEE SHEET FA001.

DRAWING NOTES:

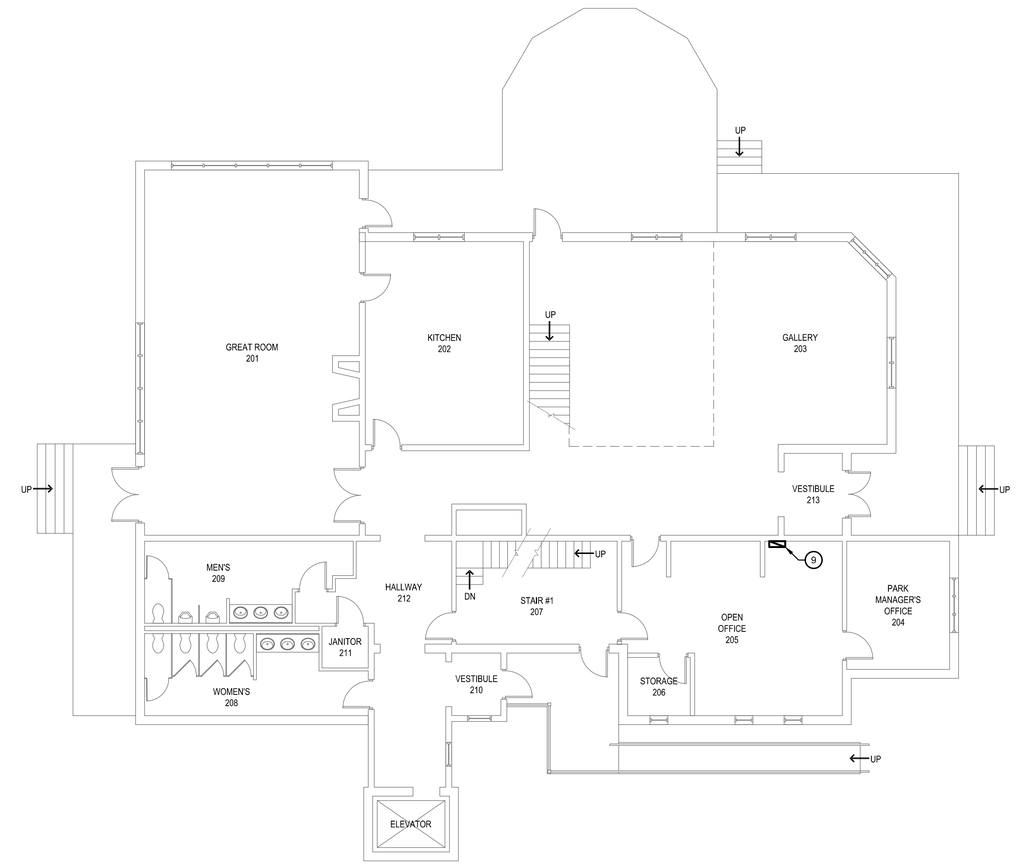
(APPLIES TO THIS SHEET ONLY)

1. ETR ADDRESSABLE FIRE ALARM CONTROL PANEL (MANUFACTURER: ADEMCO VISTA 128FBP).
2. NEW ADDRESSABLE FIRE ALARM CONTROL PANEL WITH INTEGRAL DIALER.
3. EXTEND 2#14 - 3/4"C FROM NEW ADDRESSABLE MONITOR MODULE AND CONNECT TO ETR FIRE ALARM CONTROL PANEL TO MONITOR TROUBLE CONDITIONS.
4. EXTEND 2#14 - 3/4"C FROM NEW ADDRESSABLE MONITOR MODULE AND CONNECT TO ETR FIRE ALARM CONTROL PANEL TO MONITOR SUPERVISORY CONDITIONS.
5. EXTEND 2#14 - 3/4"C FROM NEW ADDRESSABLE MONITOR MODULE AND CONNECT TO ETR FIRE ALARM CONTROL PANEL TO MONITOR ALARM CONDITIONS.
6. EXTEND 2#14 - 3/4"C FROM NEW ADDRESSABLE CONTROL MODULE AND CONNECT TO ETR FIRE ALARM CONTROL PANEL FOR CROSS TRIP WITH NEW FIRE ALARM CONTROL PANEL.
7. RX DIALER AND EXTEND TELEPHONE WIRING TO INTEGRAL DIALER IN NEW FIRE ALARM CONTROL PANEL.
8. UNDERGROUND CONDUIT IN 2-WAY DUCTBANK. COORDINATE WITH INFORMATION SHOWN IN ELECTRICAL AND CIVIL PLANS.
9. NEW FIRE ALARM GRAPHIC ANNUNCIATOR PANEL LOCATION TO BE COORDINATED BEFORE FINAL SUBMISSION.



FIRE PUMP HOUSE AND VISITOR CENTER GROUND FLOOR PLANS - FIRE ALARM - NEW WORK

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



VISITOR CENTER FIRST FLOOR PLAN - FIRE ALARM - NEW WORK

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

CAUTION:
IF THIS PLAN IS A REDUCTION, GRAPHIC SCALES MUST BE USED.

GRAPHIC SCALE 1/8"=1'-0"

0 4' 8' 16' 24'

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STATE OF MARYLAND — DANIEL A. BENITEZ — No. 40447 — PROFESSIONAL ENGINEER

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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
		DRAWN BY: JCW	
		CHECKED BY: DAB	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO. 21 OF 73	FIRE ALARM – FIRE PUMP HOUSE AND VISITORS CENTER FLOOR PLANS
		PROJECT NO. P584600	FH-FA101
		CONTRACT NO. P584608	

ABBREVIATIONS:

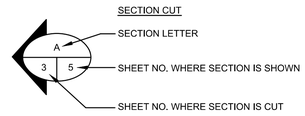
AFF	ABOVE FINISHED FLOOR
ATR	ALL-THREAD ROD
CL	CENTER LINE
CHR	CHROME
ELEV	ELEVATION
ETR	EXISTING TO REMAIN
EX	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FHV	FIRE HOSE VALVE
FF	FINISHED FLOOR
FM	FACTORY MUTUAL
GPM	GALLONS-PER-MINUTE
MAX	MAXIMUM
MIN	MINIMUM
NO	NUMBER
OS&Y	OUTSIDE SCREW & YOKE
PSI	POUNDS-PER-SQUARE INCH
PAC	PERMIT APPLICATION CENTER
QR	QUICK RESPONSE
RC	REDUCING COUPLING
RCP	REFLECTED CEILING PLAN
RN	RISER NIPPLE
RX	REMOVE EXISTING
SCH	SCHEDULE
SF	SQUARE FOOT
STD	STANDARD
TBD	TO BE DETERMINED
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
W/	WITH
WWP	WATER WORKING PRESSURE

FIRE PROTECTION LEGEND

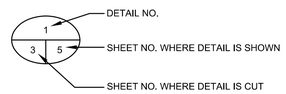
SYMBOL	DESCRIPTION
	SPRINKLER MAIN/BRANCHLINE W/ CHANGE IN ELEVATION
	SPRINKLER MAIN/BRANCHLINE W/ RISE OR DROP PIPE
	PIPE HANGER
	NEW SPRINKLER MAIN/BRANCHLINE
	OS&Y VALVE
	CHECK VALVE; DIRECTION OF FLOW INDICATED
VS	VALVE TAMPER SUPERVISORY SWITCH
WF	WATERFLOW SWITCH
	PIPE CAP - FLUSHING CONNECTION
#	HYDRAULIC CALCULATION NODE
	HYDRAULIC CALCULATION REMOTE AREA BOUNDARY
WP	ELECTRIC SPRINKLER ALARM BELL SUPERSCRIPT 'WP' DENOTES WEATHERPROOF DEVICE
	FIRE DEPARTMENT CONNECTION WITH CAPS AND CHAINS
	INCOMING SERVICE/SPRINKLER RISER
+0-0	CEILING HEIGHT
[*0"C]	BOTTOM OF ROOF SLAB OR DECK TO CENTERLINE OF PIPE
[+0'-0"C]	FINISHED FLOOR TO CENTERLINE OF PIPE
	FIRE ALARM/SPRINKLER ZONE BOUNDARY
	PIPE SLEEVE

CONVENTIONS

SECTION CUT



DETAIL CUT



CODE REFERENCES:

ALL REFERENCES TO NFPA 13 SHALL MEAN THE 2016 EDITION.
ALL REFERENCES TO NFPA 20 SHALL MEAN THE 2016 EDITION.
ALL REFERENCES TO NFPA 25 SHALL MEAN THE 2016 EDITION.
ALL REFERENCES TO NFPA 70 SHALL MEAN THE 2017 EDITION.
ALL REFERENCES TO NFPA 72 SHALL MEAN THE 2016 EDITION.
ALL REFERENCES TO NFPA 101 SHALL MEAN THE 2018 EDITION.
ALL REFERENCES TO NFPA 241 SHALL MEAN THE 2015 EDITION.
ALL REFERENCES TO NFPA 291 SHALL MEAN THE 2015 EDITION.
ALL REFERENCES TO IBC SHALL MEAN THE 2018 EDITION.

FIRE PROTECTION DESIGN CRITERIA:

1. ALL AUTOMATIC SPRINKLER SYSTEMS SHALL BE HYDRAULICALLY DESIGNED AS FOLLOWS:

   - EXTRA HAZARD, GROUP 2 AREAS SHALL BE HYDRAULICALLY DESIGNED BASED ON .40 GPM/SF OVER THE MOST HYDRAULICALLY REMOTE 2500 SF. MAXIMUM SPRINKLER HEAD SPACING SHALL BE 100 SF.

2. SPRINKLER HEADS IN FINISHED CEILING AREAS SHALL BE CONCEALED QUICK RESPONSE HEADS WITH A WHITE ESCUTCHEON/COLOR PLATE AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 AND CONTRACT SPECIFICATIONS UNO.

3. SPRINKLER HEADS IN UNFINISHED CEILING AREAS SHALL BE QUICK RESPONSE, BRASS FINISH, UPRIGHT TYPE HEADS INSTALLED IN ACCORDANCE WITH NFPA 13 AND CONTRACT SPECIFICATIONS UNO.

4. GENERALLY PIPING SHALL BE CONCEALED ABOVE SUSPENDED CEILINGS IN FINISHED CEILING AREAS.

5. ALL FIRE SPRINKLER SYSTEM PIPING SHALL ADHERE TO THE FOLLOWING REQUIREMENTS:
   A. 2-INCH AND SMALLER - THREADED BLACK STEEL SCHEDULE 40
   B. 2-1/2-INCH AND LARGER - ROLL OR CUT GROOVED BLACK STEEL SCHEDULE 40 OR ROLL GROOVED BLACK STEEL SCHEDULE 10 PER ASTM A53 AND ASTM 135.
   C. BRANCHLINE OUTLETS AT MAIN PIPING SHALL BE SHOP-WELDED.
   D. MECHANICAL TEE OUTLETS SHALL NOT BE USED ON BRANCHLINES FROM THE BRANCHLINE OUTLET TO THE SPRINKLER HEAD(S).
   E. ALL PIPING SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13.

6. ALL FITTINGS SHALL BE MINIMUM 175 WWP RATED.

FIRE PROTECTION GENERAL NOTES:

1. THE CONTRACTOR SHALL PROVIDE A NEW AUTOMATIC SPRINKLER SYSTEM FOR THE NEW BUILDING AS INDICATED. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED AND SHALL BE INSTALLED IN FULL ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, NFPA 20, NFPA 25, NFPA 70, NFPA 72, NFPA 241, NFPA 291, LOCAL AUTHORITY REQUIREMENTS, AND THE CONTRACT DOCUMENTS.

2. THE GENERAL SCOPE OF THE AUTOMATIC FIRE PROTECTION SYSTEM SHALL CONSIST OF THE FOLLOWING FOR ALL AREAS OF THE PROJECT AS SHOWN:
   A. PROVIDE WET PIPE SPRINKLER SYSTEMS, FIRE PUMP, AND UNDERGROUND WATER STORAGE TANK AS SHOWN.

3. THE FIRE PROTECTION INSTALLER(S) SHALL SUBMIT COMPLETE LAYOUT SHOP DRAWINGS, CALCULATIONS AS REQUIRED, AND ANNOTATED MANUFACTURER'S DATA INFORMATION TO THE OWNER, AND ENGINEER OF RECORD FOR REVIEW AND APPROVAL. APPROVALS SHALL BE OBTAINED BEFORE THE PURCHASE OR INSTALLATION OF EQUIPMENT.

4. THE FIRE PROTECTION INSTALLER(S) SHALL BE RESPONSIBLE FOR ALL APPLICABLE TRADE PERMITS, AND REQUESTS FOR INSPECTION AND TESTING AS REQUIRED BY THE APPROVING AHJ.

5. ALL FIRE SPRINKLER SYSTEM COMPONENTS AND HEAD LOCATIONS SHALL BE COORDINATED WITH PROPOSED ARCHITECTURAL, STRUCTURAL MECHANICAL AND ELECTRICAL FEATURES. THIS CONCEPTUAL DESIGN MAY REQUIRE ADDITIONAL COORDINATION AND MODIFICATIONS PRIOR TO INSTALLATION WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATION WITH STRUCTURAL ELEMENTS AND OTHER TRADES IS THE RESPONSIBILITY OF THE FIRE PROTECTION INSTALLER(S). CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE DESIGN OF THE AUTOMATIC SPRINKLER SYSTEM PRIOR TO FABRICATION & INSTALLATION OF PIPE. INSTALLATION SHOP DRAWINGS, AND MANUFACTURER'S DATA SHEETS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE PURCHASE AND INSTALLATION. DEVIATIONS FROM CONSTRUCTION DOCUMENTS SHALL BE CLEARLY ANNOTATED AND SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL. FINAL DESIGN OF THE SYSTEMS SHALL BE COMPLETED BY THE FIRE PROTECTION INSTALLER(S) AND COORDINATED WITH FIELD CONDITIONS.

6. MAJOR PIPING LAYOUT AND SPRINKLER HEAD DEVIATIONS THAT ARE REQUESTED BY THE FIRE PROTECTION INSTALLER(S) SHALL REQUIRE THE FIRE PROTECTION INSTALLER(S) TO REVISE AND RESUBMIT THE SHOP DRAWINGS & HYDRAULIC CALCULATIONS TO THE ENGINEER OF RECORD AND CECIL COUNTY. THIS EFFORT SHALL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.

7. THE FIRE PROTECTION INSTALLER(S) SHALL PROVIDE ALL NECESSARY PARTS AND ACCESSORIES EVEN THOUGH THE PARTS AND ACCESSORIES ARE NOT SPECIFICALLY MENTIONED OR SHOWN HEREIN.

8. THE SPRINKLER SYSTEM PIPING SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE TEST IN ACCORDANCE WITH NFPA 13.

9. PIPE HANGERS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13. ALL HANGER MATERIALS SHALL BE UL LISTED AND FM APPROVED. THE FIRE PROTECTION INSTALLERS SHALL ASSUME FOR BIDDING PURPOSES THAT 30% OF ALL HANGERS WILL NEED TO BE TRAPEZE OR NIPPLE & CAP STYLE ALTHOUGH NOT INDICATED ON THE SPRINKLER LAYOUT.

10. FLUSHING CONNECTIONS SHALL BE PROVIDED ON THE SPRINKLER SYSTEM PIPING PER NFPA 13 EVEN IF NOT SPECIFICALLY SHOWN HEREIN.

11. APPROVED IDENTIFICATION SIGNS FOR ALL SYSTEM COMPONENTS, INCLUDING PIPE, SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13.

12. WHERE FIRE SPRINKLER PIPING PENETRATES A FIRE RESISTANCE RATED WALL OR FLOOR/CEILING ASSEMBLY, A RATED THRU PENETRATION FIRE STOP SHALL BE PROVIDED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. WHERE ADDITIONAL DETAILING, ESCUTCHEON PLATES, ETC., ARE NEEDED, THEY WILL BE NOTED ON THE CONTRACT DRAWINGS.

13. WHERE FIRE SPRINKLER PIPING PENETRATES A NON FIRE RESISTANCE RATED WALL OR FLOOR/CEILING ASSEMBLY, TREATMENT OF THE THRU PENETRATION SHALL BE PROVIDED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. WHERE ADDITIONAL DETAILING, ESCUTCHEON PLATES, ETC., ARE NEEDED, THEY WILL BE NOTED ON THE CONTRACT DRAWINGS.

14. THE FIRE PROTECTION INSTALLER(S) SHALL FIELD LOCATE THE NEED FOR 286°F & 212°F SPRINKLERS DUE TO UNIT HEATERS, DIFFUSERS, OTHER HEAT SOURCES. ALL COMBUSTIBLE CONCEALED SPACES SHALL BE PROVIDED WITH INTERMEDIATE TEMPERATURE RATED SPRINKLERS.

15. THE FIRE PROTECTION INSTALLER(S) SHALL FIELD LOCATE SPRINKLERS BELOW OBSTRUCTIONS SUCH AS DUCTWORK GREATER THAN 4 FT IN WIDTH.

16. THE FIRE PROTECTION INSTALLER(S) SHALL PROVIDE SPRINKLER HEAD GUARDS ON ALL PLATFORM, STORAGE ROOMS, MECHANICAL ROOM, ETC.

17. ALL ELECTRICAL WORK AND ALARM WIRING SHALL BE BY OTHERS.

18. THE FIRE PROTECTION INSTALLER(S) SHALL FIELD LOCATE THE NEED FOR AUXILIARY DRAINS AND CONNECTIONS TO SUITABLE INTERIOR DRAINS IN THE BUILDING OR HARD-PIPED TO THE EXTERIOR PER NFPA 13. PIPING TO INTERIOR DRAINS SHALL BE PRE-APPROVED BY THE ENGINEER OF RECORD.

19. PROVIDE ESCUTCHEONS AT WALL PENETRATIONS ON EXPOSED PIPING.

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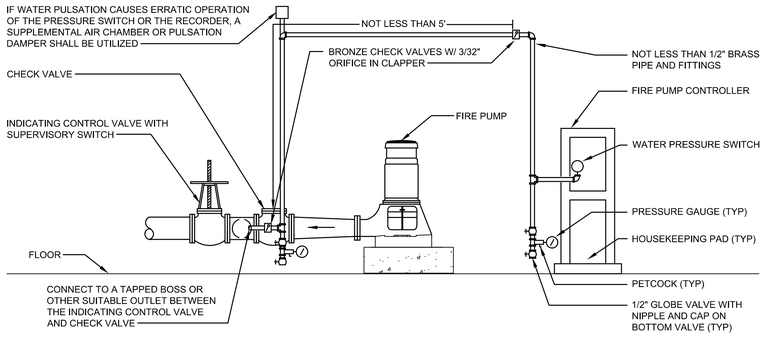
APPROVED DATE CHIEF ENGINEER	APPROVED DATE PROJECT MANAGER	SCALE: AS NOTED DRAWN BY: JCW CHECKED BY: DAB	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE ASSISTANT CHIEF ENGINEER	APPROVED DATE CHIEF, RIGHT OF WAY	SHEET NO. 22 OF 73 PROJECT NO. P584600 CONTRACT NO. P584608	FIRE PROTECTION GEN. NOTES, LEGEND, AND ABBREVIATIONS — FH-FP001



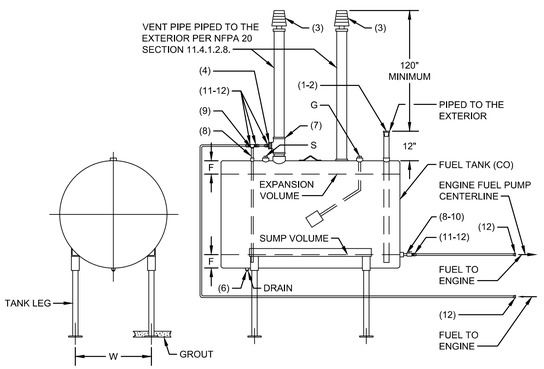
FIRE PUMP PRESSURE SENSING LINE SCHEMATIC

NO SCALE

NOTE: PROVIDE SEPARATE CONTROLLER SENSING LINE FOR THE JOCKEY PUMP CONNECTED TO THE JOCKEY PUMP PIPING.

FIRE PUMP SCHEDULE

PUMP	PUMP TYPE	DRIVER TYPE	DRIVER				RATED PUMP CAPACITY (GPM)	PRESSURE (PSI)
			HP	VOLTS	PH	RPM		
VERTICAL FIRE PUMP	VERTICAL TURBINE	DIESEL	N/A	N/A	N/A	1760	450	65
JOCKEY PUMP	VERTICAL	ELECTRIC	.75	480	3	3439	5	71

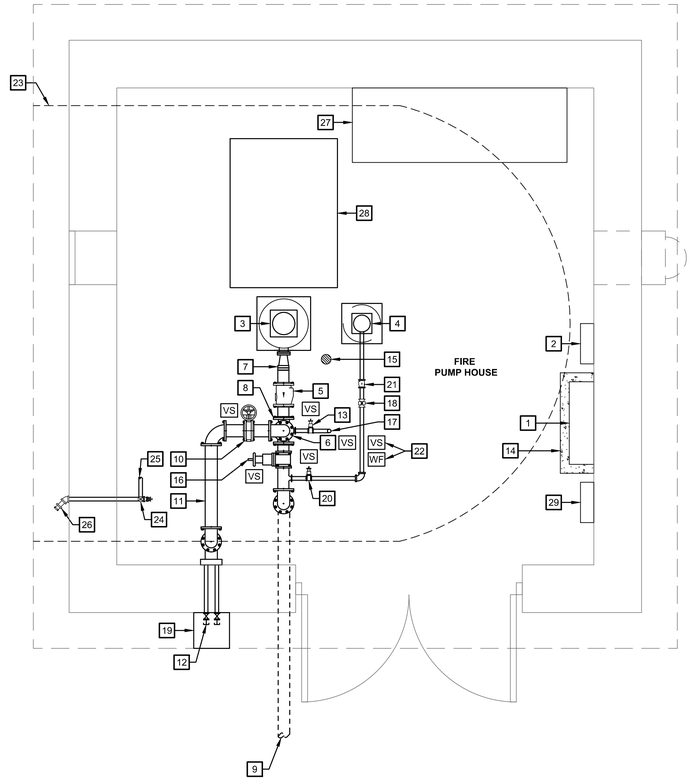


FUEL SYSTEM	
ITEM	DESCRIPTION
1	CAP, FILL 2"
2	STRAINER, 1/16 MESH
3	VENT, WEATHER 4" NPT
4	BUSHING, PIPE 2" x 1/2" NPT
5	PLUG, PIPE 2" NPT
6	PLUG, PIPE 1" NPT
7	TEE, PIPE REDG 4" x 4" x 2" NPT
8	NIPPLE, PIPE SCR 1/2" x CLOSE
9	TEE, PIPE 1/2" NPT
10	COCK, STOP 1/2" NPT
11	FITG, FLARED TUBE 5/8" O.D. TUBE x 1/2" MALE PIPE
12	NUT, TUBE FOR 5/8" O.D. TUBE

DIESEL FUEL SYSTEM SCHEMATIC

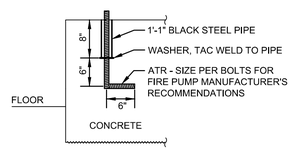
NO SCALE

NOTES:
1. PROVIDE TANK LEAK MONITOR. CONNECT TO THE FIRE PUMP CONTROLLER.
2. FIRE SPRINKLER INSTALLER SHALL PROVIDE TANK LEGS AND ALL ASSOCIATED FUEL PIPING, VENT, AND FILL LINE PIPING.



FIRE PUMP HOUSE FLOOR PLAN - FIRE PROTECTION - NEW WORK

SCALE: 1/2"=1'-0"



PUMP ANCHOR DETAIL (TYPICAL)

NO SCALE

NOTE: COAT PIPE AND ROD WITH PITCH.

GENERAL NOTES:

(APPLIES TO FIRE PUMP HOUSE FLOOR PLAN ONLY)

1. FOR FIRE PROTECTION GENERAL NOTES, LEGEND, ABBREVIATIONS, AND DETAILS, SEE SHEET FP001.
2. PROVIDE FLOOR CLAMPS. SECURE TO PIPE AND FLOOR.
3. PIPE ALL DRAINS TO FLOOR DRAIN UNO.
4. FIRE PUMPHOUSE BUILDING FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
5. FIRE PUMPHOUSE BUILDING TO BE PROVIDED WITH LIGHT, HEAT AND ACCESSORIES PER NFPA 20. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
6. PROVIDE AUTOMATIC SPRINKLER PROTECTION FOR THE FIRE PUMPHOUSE BUILDING. FIRE PUMPHOUSE BUILDING TO BE DESIGNED FOR EXTRA HAZARD GROUP II.
7. PUMPS SHALL BE INSTALLED ON CONCRETE HOUSE KEEPING PADS. MIN 6" IN HEIGHT.
8. FIRE PUMP INSTALLER SHALL PROVIDE ALL NECESSARY ANCHORS, BOLTS, STEEL PLATES, CONCRETE PADS, ETC TO SECURE THE FIRE PUMP AND JOCKEY PUMP OVER THE OPENINGS TO THE TANK.

FIRE PUMP DESIGN CRITERIA:

(APPLIES TO FIRE PUMP HOUSE FLOOR PLAN ONLY)

1. PROVIDE A NEW SUPERVISED, AUTOMATIC START/ STOP FIRE PUMP WITH AUTOMATIC START/STOP JOCKEY PUMP PER NFPA 20, CONTRACT DRAWINGS AND SPECIFICATIONS.
2. THE FIRE PUMP SHALL BE SIZED ACCORDING TO THE FIRE PUMP SCHEDULE SHOWN ON THIS SHEET.

DRAWING NOTES:

(APPLIES TO FIRE PUMP HOUSE FLOOR PLAN ONLY)

1. FIRE PUMP CONTROLLER MOUNTED ON 4" HIGH CONCRETE HOUSEKEEPING PAD.
2. WALL MOUNTED JOCKEY PUMP CONTROLLER.
3. VERTICAL TURBINE FIRE PUMP. CONTRACTOR SHALL COORDINATE THE LOCATION ON CENTER LINE OF TANK. REFER TO PUMP SCHEDULE ON THIS SHEET.
4. VERTICAL TURBINE JOCKEY PUMP. CONTRACTOR SHALL COORDINATE THE LOCATION. REFER TO PUMP SCHEDULE ON THIS SHEET.
5. MINIMUM 6" GROOVED CHECK VALVE.
6. MINIMUM 6" GROOVED 90 DEGREE ELBOW (TYPICAL UNO).
7. MINIMUM 4"X 6" INCREASER.
8. MINIMUM 6" GROOVED TEE TO FIRE PUMP TEST HEADER CONTROL VALVE.
9. MINIMUM 6" UNDERGROUND PIPE TO SPRINKLER SYSTEM. FOR CONTINUATION REFER TO SITE PLAN ON FP0.00 AND THE CIVIL DRAWINGS.
10. 4" GROOVED BUTTERFLY VALVE WITH VALVE TAMPER SUPERVISORY SWITCH. VALVE NORMALLY CLOSED TO FIRE PUMP TEST HEADER.
11. MINIMUM 4" TO FIRE PUMP TEST HEADER.
12. FIRE PUMP TEST HEADER WITH 2-2½" FIRE HOSE VALVES WITH CAPS AND CHAINS AND MATCHING/LABELED WALL ESCUTCHEON PLATE. FINISH SHALL BE POLISHED BRASS.
13. MINIMUM 2" CONTROL VALVE WITH VALVE TAMPER SUPERVISORY SWITCH FOR FIRE SPRINKLER SYSTEM FOR THE FIRE PUMPHOUSE BUILDING.
14. MINIMUM 4" HIGH CONCRETE HOUSEKEEPING PAD.
15. FLOOR DRAIN TO SUMP. SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC LOCATION.
16. MINIMUM 6" OS&Y VALVE W/ VALVE TAMPER SUPERVISORY SWITCH.
17. MINIMUM 2" PIPING SUPPLY UP TO FIRE PUMPHOUSE BUILDING AND SPRINKLERS.
18. MINIMUM 1¼" RELIEF VALVE.
19. MINIMUM 4'X4'X4" THICK CONCRETE HOUSEKEEPING PAD CENTERED DIRECTLY UNDER THE FIRE PUMP TEST HEADER.
20. MINIMUM 1¼" OS&Y VALVE W/VALVE TAMPER SUPERVISORY SWITCH.
21. MINIMUM 1¼" CHECK VALVE.
22. WATERFLOW AND VALVE TAMPER SUPERVISORY SWITCHES FOR THE FIRE PUMPHOUSE BUILDING FIRE SPRINKLER SYSTEM.
23. SUCTION TANK BOUNDARY SHOWN FOR COORDINATION. CONTRACTOR TO COORDINATE FINAL LOCATION. CONNECT TO FILL OUTLET ON THE TANK.
24. 1" INSPECTOR'S TEST VALVE.
25. 1" FROM PUMP HOUSE SYSTEM.
26. INSPECTOR'S TEST OUTLET WITH ⅜" ORIFICE. PROVIDE CONCRETE SPLASH BLOCK.
27. DIESEL FUEL TANK.
28. DIESEL ENGINE DRIVER ON CONCRETE MAINTENANCE PAD.
29. WATER LEVEL CONTROL SYSTEM PANEL.

CAUTION:
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GRAPHIC SCALE 1/2"=1'-0"

0 1' 2' 4' 6'

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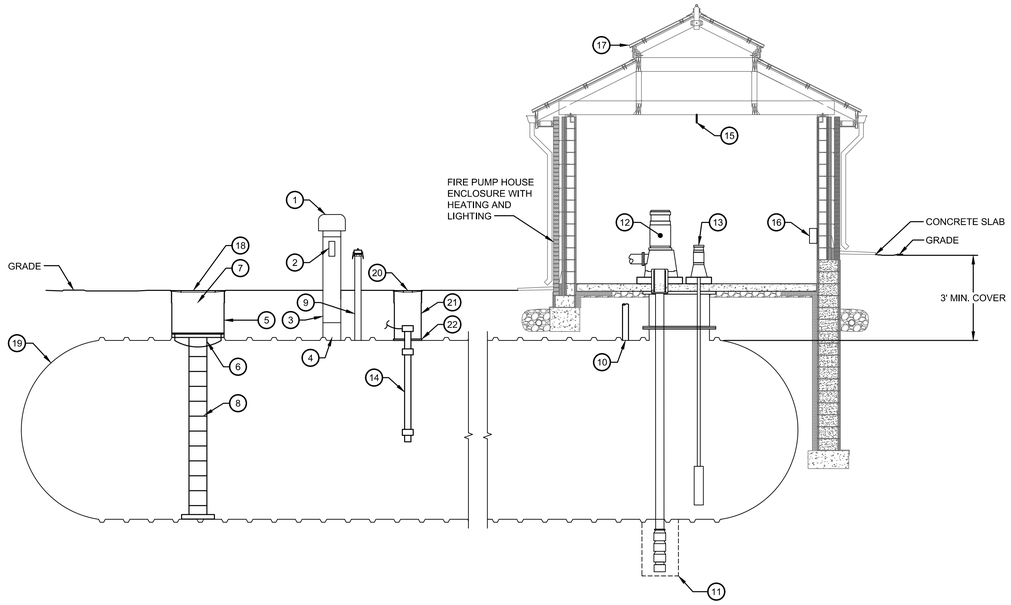
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JCW	
		CHECKED BY: DAB	
APPROVED DATE	APPROVED DATE	SHEET NO. 23 OF 73	FIRE PROTECTION – FIRE PUMP HOUSE FLOOR PLAN AND DETAILS
		PROJECT NO. P584600	FH-FP101
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. P584608	



FIRE PUMP SUCTION TANK ACCESSORIES AND DETAIL

NO SCALE

GENERAL NOTES:

(APPLIES TO FIRE PUMP SUCTION TANK ACCESSORIES DETAIL ONLY)

1. FOR FIRE PROTECTION GENERAL NOTES, LEGEND, ABBREVIATIONS, AND DETAILS, SEE SHEET FP001.
2. LOW WATER LEVEL ALARM AND THE PUMP BUILDING LOW TEMPERATURE SENSOR TO BE MONITORED BY FIRE ALARM SYSTEM.
3. CONTRACTOR SHALL TEST TANK IN ACCORDANCE WITH THE TANK MANUFACTURER'S REQUIREMENTS PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL PRESSURE TEST TANK AND FITTINGS AFTER INSTALLATION TO A MAXIMUM OF 5 PSI IN ACCORDANCE WITH TANK MANUFACTURER'S REQUIREMENTS.
5. CONTRACTOR SHALL CONDUCT A COMPLETE OPERATIONAL TEST OF THE COMPLETED INSTALLATION IN THE PRESENCE OF THE CECIL COUNTY FIRE DEPARTMENT PRIOR TO ACCEPTANCE.
6. REFER TO CIVIL/STRUCTURAL DRAWINGS FOR REQUIRED HOLD DOWN SYSTEM, FOUNDATION AND BACKFILL INFORMATION.
7. STRUCTURAL FOUNDATION SYSTEM OF THE PUMP HOUSE SHALL NOT LOAD THE TANK SUCH THAT THE TANK WILL BE DAMAGED. REFER TO STRUCTURAL ENGINEER OF RECORD FOR INFORMATION.
8. CONTRACTOR SHALL VERIFY DRAFT CONNECTION THREAD TYPE WITH THE LOCAL RESPONDING FIRE DEPARTMENT PRIOR TO INSTALLATION OF DRAFT CONNECTION.
9. CONTRACTOR SHALL COORDINATE ALL AT GRADE OR BELOW GRADE TANK CONNECTIONS WITH THE FINAL "FINISHED" GRADE.

FIRE SUPPRESSION UNDERGROUND WATER STORAGE TANK:

(APPLIES TO FIRE PUMP SUCTION TANK ACCESSORIES DETAIL ONLY)

1. THE UNDERGROUND FIRE SUPPRESSION WATER STORAGE TANK SHALL BE USED TO SUPPLY THE NEW BUILDING FIRE PUMP/FIRE SPRINKLER SYSTEMS AND THE FIRE DEPARTMENT SUPPRESSION OPERATIONS.
2. PROVIDE A COMPLETE AND OPERATIONAL UNDERGROUND FIRE PROTECTION WATER STORAGE TANK SYSTEM PER NFPA 22.
3. THE UNDERGROUND FIRE SUPPRESSION WATER STORAGE TANK INSTALLER SHALL PROVIDE ALL EXCAVATION, BACKFILL MATERIALS, INSTALLATION, AND TESTING PER THE TANK MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS, AHJ REQUIREMENTS, AND NATIONALLY RECOGNIZED CODES AND STANDARDS.
4. THE UNDERGROUND FIRE SUPPRESSION WATER STORAGE TANK INSTALLER SHALL PROVIDE THE ANCHORING SYSTEM AS REQUIRED FOR THE TANK AND AS REQUIRED BY THE FIRE SUPPRESSION WATER TANK MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS, AHJ REQUIREMENTS, AND NATIONALLY RECOGNIZED CODES AND STANDARDS.
5. THE UNDERGROUND FIRE SUPPRESSION WATER STORAGE TANK AND ASSOCIATED ANCHORING SYSTEM DESIGN, PROVIDED BY THE TANK MANUFACTURER, SHALL BE SEALED BY A STATE OF MARYLAND LICENSED ENGINEER. A BUOYANCY REQUEST FORM SHALL BE OBTAINED AND COMPLETED BY THE TANK INSTALLER AND SUBMITTED TO THE TANK MANUFACTURER FOR THEIR DESIGN OF THE UNDERGROUND FIRE SUPPRESSION WATER STORAGE TANK ANCHORING SYSTEM, (I.E DEADMEN, CABLES, ETC.).
6. DEADMEN ANCHORS SHALL BE PROVIDED IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTIONS DESIGN STANDARDS.
7. THE UNDERGROUND FIRE SUPPRESSION WATER STORAGE TANK INSTALLER SHALL OBTAIN ALL REQUIRED PERMITS (I.E SHIPPING, COUNTY, STATE, ETC.) AS A PART OF THE WORK, AT NO ADDITIONAL COST TO THE OWNER.

DRAWING NOTES:

(APPLIES TO FIRE PUMP SUCTION TANK ACCESSORIES DETAIL ONLY)

1. 12" PVC VENT CAP WITH SCREEN.
2. TANK WATER LEVEL SITE PORT.
3. 8" PVC SCHEDULE 40 COMBINATION TANK VENT AND LEVEL INDICATING DEVICE.
4. 8" FLANGED AND GUSSETED CONNECTION (FACTORY INSTALLED).
5. FLANGED MANWAY (FACTORY INSTALLED).
6. FLANGED FIBERGLASS MANWAY EXTENSION PER TANK MANUFACTURER SPECIFICATIONS.
7. 30" MANWAY RISER PER TANK MANUFACTURER SPECIFICATIONS.
8. 12" ALUMINUM LADDER (FACTORY INSTALLED).
9. 4" FILL CONNECTION ASSEMBLY (FACTORY INSTALLED). EXTEND TO 30" ABOVE GRADE AND PROVIDE 2'-2" HOSE CONNECTION.
10. 2" COPPER (TYPE K). TANK FILL (FACTORY INSTALLED) (FOR REFILL AFTER TEST). 2" FILL SUPPLY FROM WELL HOUSE.
11. 30" FIBER REINFORCED PLASTIC FLANGED BOTTOM SUMP.
12. VERTICAL TURBINE FIRE PUMP. SEE FIRE PUMP SCHEDULE. SIZE SHAFT PER MANUFACTURE'S RECOMMENDATIONS.
13. JOCKEY PUMP ASSEMBLY. SEE FIRE PUMP SCHEDULE. SIZE SHAFT PER MANUFACTURES RECOMMENDATIONS.
14. LOW WATER LIQUID LEVEL FLOAT SWITCH. CONNECTED TO WATER LEVEL TANK MODULE IN THE FIRE PUMPHOUSE.
15. PUMP BUILDING LOW TEMPERATURE SENSOR CONNECTED TO FACP.
16. WATER LEVEL CONTROL PANEL. CONNECT TO THE FIRE ALARM SYSTEM.
17. PUMPHOUSE ROOF. CONTRACTOR SHALL INSTALL VERTICAL TURBINE FIRE PUMP AND JOCKEY PUMP THROUGH ROOF HATCH.
18. PROVIDE A HINGE AND LOCKABLE MANWAY COVER. EXTEND ABOVE FINISHED GRADE.
19. 30,000 GALLON FIBERGLASS WATER STORAGE TANK.
20. 18" DIAMETER WATER TIGHT MANHOLE COVER PLATE.
21. 18" DIAMETER MANWAY.
22. 18" DIAMETER MANHOLE COVER WITH 4" OPENING ATTACHED TO TANK.

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STATE OF MARYLAND
DANIEL A. BENTZEN
No. 40447
PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 40447, EXPIRATION DATE 02/14/2026."

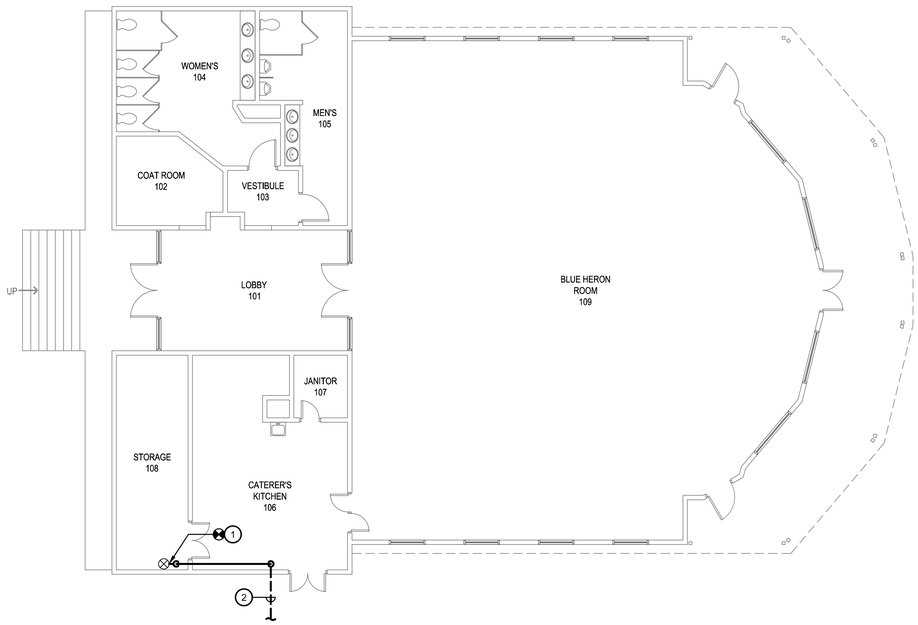
(C) EBL ENGINEERS, LLC
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

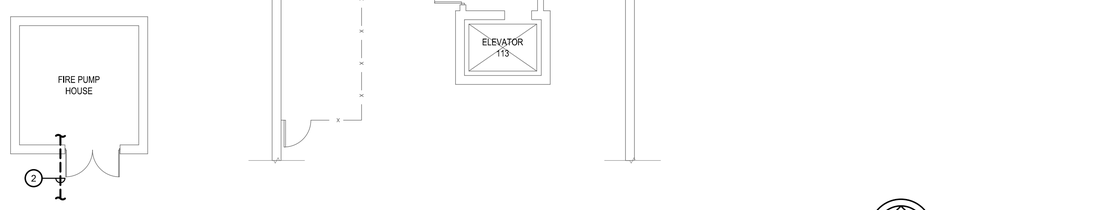
DATE: 03-28-2025

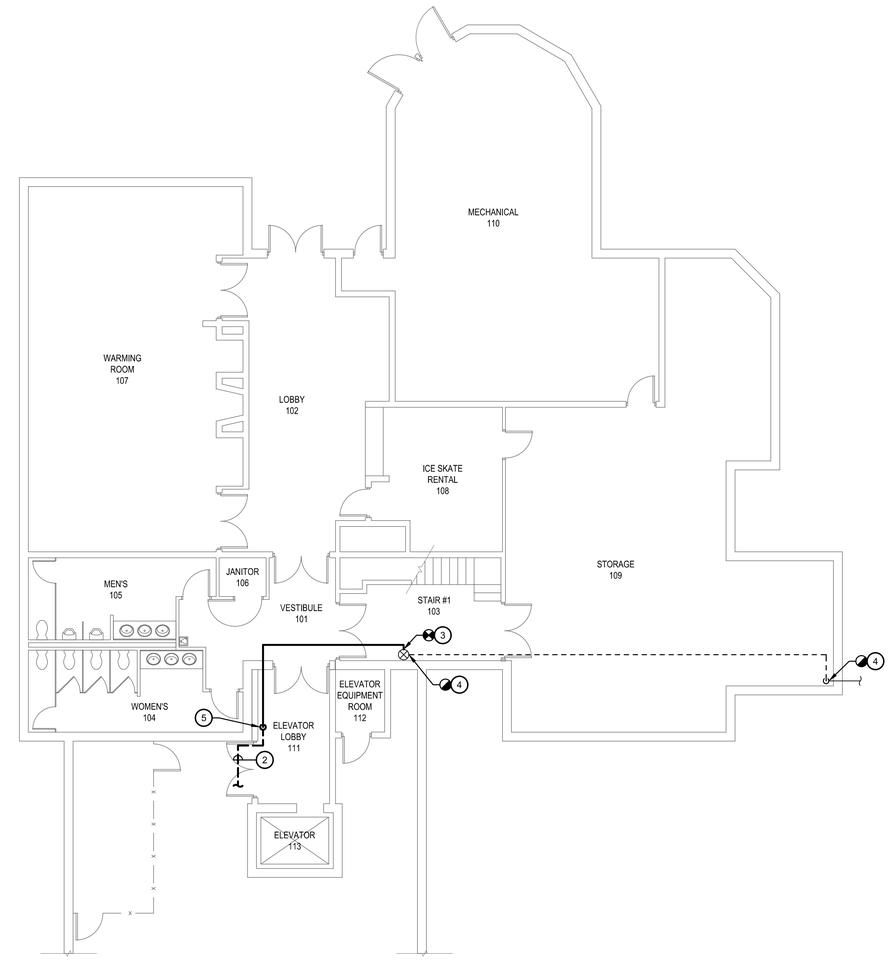
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
		DRAWN BY: JCW	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
CHIEF ENGINEER	PROJECT MANAGER	CHECKED BY: DAB	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE	APPROVED DATE	SHEET NO. 24 OF 73	FIRE PROTECTION DETAILS — FH-FP102
		PROJECT NO. P584600	
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. P584608	



BLUE HERON BUILDING - FIRE PROTECTION - NEW WORK

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





VISITORS CENTER - FIRE PROTECTION - NEW WORK

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

GENERAL NOTES:

(APPLIES TO SHEET ONLY)

1. FOR FIRE PROTECTION GENERAL NOTES, LEGEND, ABBREVIATIONS, AND DETAILS, SEE SHEET FP001.

DRAWING NOTES:

(APPLIES TO THIS SHEET ONLY)

1. ETR SPRINKLER SYSTEM RISER FOR BLUE HERON BUILDING. MODIFY AS NECESSARY TO CUT AND CAP THE EXISTING INCOMING WATER SERVICE AT THE FLOOR LEVEL, AND ALLOW FOR CONNECTION OF NEW 6-INCH INCOMING WATER SERVICE TO SUPPLY THE SPRINKLER SYSTEM.
2. NEW 6-INCH INCOMING FP WATER SERVICE. REFER TO CIVIL DRAWINGS FOR FURTHER DETAIL.
3. ETR SPRINKLER SYSTEM RISER FOR VISITORS CENTER BUILDING. MODIFY AS NECESSARY TO ALLOW FOR CONNECTION OF NEW 6-INCH INCOMING WATER SERVICE TO SUPPLY THE SPRINKLER SYSTEM.
4. RX FP WATER SERVICE PIPING AND ASSOCIATED EQUIPMENT AS INDICATED FROM EXISTING INCOMING PENETRATION THROUGH WALL TO THE LOCATION OF THE EXISTING SPRINKLER SYSTEM RISER IN STAIRWELL. CUT AND CAP THE EXISTING INCOMING WATER SERVICE AT PENETRATION THROUGH WALL.
5. INSTALL PIPE RISE AS TIGHT TO CORNER AS FEASIBLE.

CAUTION:

IF THIS PLAN IS A REDUCTION, GRAPHIC SCALES MUST BE USED.

GRAPHIC SCALE 1/8"=1'-0"

0 4' 8' 16' 24'

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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JCW CHECKED BY: DAB	
APPROVED DATE	APPROVED DATE	SHEET NO. 25 OF 73	FIRE PROTECTION - BLUE HERON BUILDING AND VISITORS CENTER - NEW WORK
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. P584608	FH-FP103

General Notes

1.0 GENERAL

A. DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE OBTAINED FROM THE ARCHITECTURAL DRAWINGS AVAILABLE PRIOR TO RELEASE OF CONTRACT DOCUMENTS. ARCHITECTURAL DIMENSIONS WILL GOVERN OVER STRUCTURAL DIMENSIONS. LAYOUT OF BUILDING FOUNDATIONS OR OTHER ITEMS SHALL BE BASED ON THE ARCHITECTURAL, CIVIL, AND STRUCTURAL DRAWINGS. ERRORS AND INCONSISTENCIES IN DIMENSIONS SHALL BE FORWARDED TO THE ARCHITECT FOR RESOLUTION.

1.5 SUBMITTALS

A. BEFORE SUBMISSION OF SHOP DRAWINGS, CONTRACTOR SHALL HAVE DETERMINED AND VERIFIED QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS, CATALOG NUMBERS, AND SIMILAR DATA WITH RESPECT THERETO AND REVIEWED OR COORDINATED EACH SHOP DRAWING WITH OTHER SHOP DRAWINGS AND SAMPLES AND WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS.

B. AFTER CHECKING AND VERIFYING COMPLIANCE WITH CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS, CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS REFERENCED IN THE INDIVIDUAL MATERIALS SECTIONS, AS WELL AS IN LIST BELOW. CONTRACTOR SHALL STAMP OR PROVIDE A SIMILAR WRITTEN INDICATION THAT CONTRACTOR HAS REVIEWED THE SUBMISSION AND IS SATISFIED THAT MATERIALS SHOWN ARE IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.

C. SHOP DRAWING SUBMISSION OF MULTIPLE COMPONENT TYPES WILL REQUIRE ADDITIONAL REVIEW TIME. SHOP DRAWINGS WILL BE FORWARDED TO THE ARCHITECT OR CLIENT FOR THEIR REVIEW BEFORE RETURNING TO THE CONTRACTOR.

D. INCOMPLETE SUBMITTALS WILL BE REJECTED WITHOUT REVIEW. IF STAMPED AND SIGNED SHOP DRAWINGS AND/OR CALCULATIONS ARE SPECIFIED AND THEY ARE SUBMITTED WITHOUT THE P.E. STAMP, THEY WILL BE REJECTED WITHOUT REVIEW.

E. UNLESS OTHERWISE NOTED ELSEWHERE IN THE STRUCTURAL NOTES OR CONSTRUCTION DOCUMENTS, SHOP DRAWINGS SHALL BE REQUIRED ON THE FOLLOWING ITEMS:

- CONCRETE MIX DESIGN BY EITHER TRIAL BATCH OR FIELD EXPERIENCE METHODS. EACH SUBMITTED MIX MUST IDENTIFY ITS INTENDED USE OR APPLICATION.
- CONCRETE REINFORCING.
- MASONRY REINFORCING.
- MORTAR AND GROUT MIX DESIGNS.
- MASONRY MATERIALS.

3.1 CONCRETE

A. UNLESS GOVERNED BY BUILDING CODE OR LOCAL AMENDMENTS: CONCRETE WORK INCLUDING FORMING, MIXING, PLACING, AND CURING SHALL BE IN ACCORDANCE WITH ACI 301. PLACEMENT OF REINFORCING SHALL BE IN ACCORDANCE WITH ACI 315 AND 318. WHEN THERE IS A CONFLICT, THE MOST STRINGENT IS TO APPLY.

B. SUBMIT COMPLETE SHOP AND ERECTION DRAWINGS FOR REVIEW PRIOR TO FABRICATION OR ERECTION. REPRINTS OF CONTRACT DRAWINGS ARE NOT ACCEPTABLE. SUBMIT DESIGN MIXES FOR EACH CLASS OF CONCRETE PRIOR TO USE.

C. CONCRETE REINFORCING: ASTM A-615, GRADE 60.

D. WELDED WIRE REINFORCEMENT: ASTM A-1064.

E. PORTLAND CEMENT: ASTM C-150, TYPE I.

F. BLENDED HYDRAULIC CEMENT: ASTM C-595.

G. FLY ASH: ASTM C-618, CLASS F (25% MAX.)

H. AGGREGATE: ASTM C-33. 1" MAXIMUM FOR FOOTINGS, WALLS, AND SLABS ON GRADE, 1/2" MAXIMUM FOR THIN SLABS, AND 3/8" FOR WALL FILL.

I. CONCRETE TO BE AIR-ENTRAINED AND SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF: 3,500 PSI. WATER CEMENT RATIO NOT TO EXCEED 0.45 FOR AIR ENTRAINED CONCRETE.

J. INSTALL WELDED WIRE REINFORCEMENT 2" BELOW UPPER SURFACE OF CONCRETE SLAB.

K. REINFORCING FOR FOOTINGS SHALL HAVE 3" CONCRETE COVER. REINFORCING FOR CONCRETE EXPOSED TO GROUND OR WEATHER AFTER REMOVAL OF FORMS SHALL HAVE 2" CONCRETE COVER. REINFORCING SHALL HAVE 3/4" CONCRETE COVER FOR SLABS.

L. LAP CONTINUOUS FOOTING REINFORCING 44 BAR DIAMETERS AT SPLICES.

M. USE A WATER REDUCING ADMIXTURE IN ALL CONCRETE.

N. SLUMP - ACI (211.1). WITH A MAXIMUM SLUMP OF 4". SHOULD EXTRA WATER BE REQUIRED BEFORE DEPOSITING CONCRETE, AND WATER/CEMENT RATIO OF ACCEPTED MIX DESIGN HAS NOT BEEN EXCEEDED, GENERAL CONTRACTORS SUPERINTENDENT SHALL HAVE SOLE AUTHORITY TO AUTHORIZE ADDITION OF WATER. ANY ADDITIONAL WATER ADDED TO MIX AFTER LEAVING BATCH PLANT SHALL BE INDICATED ON THE TRUCK TICKET AND SIGNED BY PERSON RESPONSIBLE. SUBMIT COPY OF TRUCK TICKET FOR REVIEW.

O. NO CALCIUM CHLORIDE WILL BE PERMITTED IN CONCRETE.

P. AIR ENTRAIN EXTERIOR EXPOSED CONCRETE 5% +/- 1%.

Q. ENGAGE THE SERVICES OF A TESTING AGENCY APPROVED BY THE ARCHITECT TO PERFORM TESTS OF CONCRETE. TAKE A MINIMUM OF 6 CYLINDERS FOR EACH CLASS OF CONCRETE POURED IN ANY ONE DAY. PERFORM 1 SLUMP TEST PER TRUCK LOAD OF CONCRETE.

R. PROVIDE TWO COMPRESSION TESTS AT 7 DAYS, TWO AT 28 DAYS, AND RETAIN TWO TESTS FOR ADDITIONAL TESTING AS NEEDED. COMPRESSIVE STRENGTH OF CONCRETE AT 7 DAYS TO ACHIEVE AT LEAST 70% OF MINIMUM DESIGN STRENGTH.

4.1 MASONRY

A. UNLESS GOVERNED BY BUILDING CODE OR LOCAL AMENDMENTS: MANUFACTURE AND INSTALL MASONRY IN ACCORDANCE WITH ACI 530/ASCE 5/TMS 402. WHEN THERE IS A CONFLICT, THE MOST STRINGENT IS TO APPLY.

B. BRICK: 3,000 PSI COMPRESSIVE STRENGTH - ASTM C-216

C. BLOCK: CONCRETE MASONRY UNITS: 1,900 PSI COMPRESSIVE STRENGTH (AVERAGE OF THREE UNITS). ASTM C-90 WITH MINIMUM DENSITY OF 125 LBS. PER CU. FT. FOR NORMAL WEIGHT UNITS.

D. DESIGNED m: 1,500 PSI AT 28 DAYS.

E. BLOCK USED IN WALLS WITH VERTICAL STEEL REINFORCING SHALL BE MANUFACTURED AND LAID SUCH THAT WEBS ARE IN COMPLETE ALIGNMENT.

F. MORTAR: ASTM C-270, TYPE S. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS TO BE 1,800 PSI.

G. GROUT FOR WALL FILL: ASTM C-476, 2000 PSI MINIMUM AT 28 DAYS WITH 70% OF STRENGTH AT 7 DAYS. USE FINE AGGREGATE SIZE #1 IN ACCORDANCE WITH ASTM C-404. MIX TO A SLUMP OF 8 TO 11 INCHES UTILIZING WATER REDUCING ADMIXTURES. FLY ASH AND BLAST-FURNACE SLAG (UP TO 25%) MAY BE USED. HOWEVER, FLY ASH AND BLAST-FURNACE SLAG CAN PRODUCE SLOWER INITIAL STRENGTH GAIN, WHICH NEEDS TO BE CONSIDERED IN COLD WEATHER.

H. REINFORCING: ASTM A-615, GRADE 60.

I. SINGLE WYTHE 6" THICK OR MORE CONSTRUCTED WITH BRICK, BLOCK, OR ANY COMBINATION THEREOF (EXCEPT 4" VENEERS SEPARATED BY AIR SPACE) SHALL HAVE GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCING AT 16" O/C MAXIMUM WITH PREFABRICATED CORNER AND "T" PIECES UNLESS NOTED. PARAPET WALLS SHALL HAVE HORIZONTAL JOINT REINFORCING AT 8" O/C. LAP SPLICES 6" MIN. PROVIDE AN ADDITIONAL ROW ABOVE AND BELOW OPENINGS AND EXTEND 2'-0" BEYOND JAMBS. STOP HORIZONTAL JOINT REINFORCING EACH SIDE OF CONTROL AND EXPANSION JOINTS.

J. BLOCK WALLS WITH BRICK SHALL HAVE CONTINUOUS HORIZONTAL JOINT REINFORCING IN THE FIRST AND SECOND BED JOINTS AND AT 16" VERTICAL INTERVALS ELSEWHERE EXCEPT IN PARAPETS WHERE IT SHALL BE SPACED AT 8" VERTICAL INTERVALS. PROVIDE TWO ADDITIONAL ROWS OF REINFORCING AT 8" O/C IN THE TWO COURSES IMMEDIATELY ABOVE AND BELOW OPENINGS. EXTEND ADDITIONAL PIECES 2'-0" EACH SIDE OF THE OPENING. LAP SPLICES IN JOINT REINFORCING 6" MINIMUM. PROVIDE PREFABRICATED CORNER AND "T" PIECES AT CORNERS AND INTERSECTING WALLS. INSTALL JOINT REINFORCING TO ALLOW AN ADJUSTABLE WALL TIE TO BE PLACED WITHIN 8" OF THE JAMBS OF OPENINGS AND CORNERS ON EACH HORIZONTAL JOINT REINFORCING ROW. HORIZONTAL JOINT REINFORCING SYSTEM SHALL BE MANUFACTURED AS A CONTINUOUS REINFORCEMENT SHALL CONSIST OF 2 DEFORMED 9 GAGE LONGITUDINAL SIDE RODS WELDED AT 16" O/C TO A CONTINUOUS 9 GAGE DIAGONAL CROSS ROD FORMING A TRUSS DESIGN. OUT-TO-OUT SPACING OF SIDE RODS SHALL BE APPROXIMATELY 2" LESS THAN THE NOMINAL THICKNESS OF THE BACK UP WYTHE. WALL TIE EYE SECTIONS COMPATIBLE WITH THE ADJUSTABLE WALL TIE PINTLE SECTIONS SHALL BE WELDED TO THE HORIZONTAL JOINT REINFORCEMENT NOT MORE THAN 24" O/C HORIZONTALLY. WALL TIE PINTLE SECTIONS SHALL BE 3/16" MINIMUM DIAMETER AND SHALL HAVE ADEQUATE LENGTH TO EXTEND TO WITHIN 1 1/2" OF THE EXTERIOR FACE OF THE VENEER.

K. JOINT REINFORCEMENT IN EXTERIOR WALLS TO BE HOT DIPPED GALVANIZED, AFTER FABRICATION, IN ACCORDANCE WITH ASTM A-153, CLASS B2 (1.80 OZ./SQ. FT.).

L. FILL CELLS OF BLOCK SOLID WITH MORTAR IN COURSE DIRECTLY BELOW CHANGES IN THICKNESS AND BOND.

M. BLOCK SHALL BE LAID IN FULL BED OF MORTAR, INCLUDING CROSSWEBS.

N. WALLS NOTED AS FILLED SOLID AND CELLS CONTAINING VERTICAL REINFORCING SHALL HAVE CORES OF BLOCK FILLED WITH GROUT IN SIX COURSE MAXIMUM LIFTS.

O. LAP SPLICES IN REINFORCING 48 BAR DIAMETER MINIMUM. UNLESS NOTED OTHERWISE, VERTICAL REINFORCING TO BE FULL HEIGHT OF WALL AND DOWELED INTO FOOTINGS.

P. SHORE REINFORCED WALLS UNTIL ROOF FRAMING IS INSTALLED.

Q. SEE MASONRY INSPECTION NOTES 4.2.

R. SUBMIT MATERIAL CERTIFICATION FOR:

S. BRICK UNITS

T. BLOCK UNITS

U. MORTAR

V. GROUT

W. HORIZONTAL JOINT REINFORCING

6.1 WOOD FRAMING

A. WOOD FRAMING AND FASTENERS - COMPLY WITH THE RECOMMENDATIONS OF THE AMERICAN WOOD COUNCIL (AWC).

B. PLYWOOD: APA - THE ENGINEERED WOOD ASSOCIATION GRADE TRADE MARKED MEETING THE REQUIREMENTS OF THE LATEST EDITION, PER CODE, OF U.S. PRODUCT STANDARD PS-1.

C. PANEL THICKNESS AND IDENTIFICATION INDEX SHALL BE AT LEAST EQUAL TO THAT SHOWN ON THE DRAWINGS. INSTALL AND CONNECT IN ACCORDANCE WITH THE RECOMMENDATIONS OF APA - THE ENGINEERED WOOD ASSOCIATION.

D. NAILS AS OUTLINED IN GENERAL NOTES AND DRAWINGS ARE FOR COMMON NAIL TYPE AND SIZES AND ARE AS FOLLOWS:

8D (0.134 DIA.) 2.5 INCHES 10D (0.148) 3 INCHES

12D (0.148) 3-1/4 INCHES 16D (0.165) 3-1/2 INCHES.

E. UNLESS OTHERWISE NOTED ON DRAWINGS, ATTACH PLYWOOD TO FRAMING WITH MIN. 8d NAILS AT 6" O/C ON EDGES OF SHEET AND 12" O/C ON EACH INTERIOR SUPPORT.

F. FOR PLYWOOD 1/2" IN THICKNESS AND LESS, USE H CLIPS AT MIDPOINT FOR SPANS GREATER THAN 16" O/C. FOR PLYWOOD 5/8" AND THICKER, USE TONGUE AND GROOVE EDGES OR H CLIPS AT MIDPOINT FOR SPANS GREATER THAN 16" O/C. FOR 48" SPANS, PROVIDE 2-H CLIPS AT 1/3 POINTS OF SPAN OR PROVIDE TONGUE AND GROOVE PLYWOOD.

G. STRUCTURAL LUMBER (2"-4" THICK, EXCEPT NONBEARING STUDS AND PLATES) - SPRUCE PINE FIR NO. 1/NO. 2 OR BETTER WITH 19% MAXIMUM MOISTURE CONTENT IN USE AND SHALL HAVE THE FOLLOWING MINIMUM UNFACTORED PROPERTIES:

E = 1,400,000 PSI fe = 425 PSI

fb = 875 PSI ft = 450 PSI

fc(PARALLEL TO GRAIN)= 1,150 PSI fv = 135 PSI

H. PRESSURE TREATED LUMBER - SOUTHERN PINE #2 WITH THE FOLLOWING RETENTION LEVELS: FOR ABOVE GROUND USE - 0.4 PCF FOR PROCESSES USING ACQ AND CBA-A, 0.2 FOR PROCESS USING CA-B.

I. EXPOSED STRUCTURAL FRAMING MEMBERS IN ABOVE GROUND USE AND WOOD PLATES IN CONTACT WITH SLABS ON GRADE TO BE PRESSURE TREATED LUMBER. TREAT WOOD WITH A WATERBORNE PRESERVATIVE MATERIAL WITH ONE OF THE FOLLOWING: ALKALINE COPPER QUAT (ACQ) TYPES B OR D, OR COPPER AZOLE (CBA-A, CA-B).

J. STEEL MATERIALS IN CONTACT WITH PRESSURE TREATED LUMBER TO BE HOT DIPPED GALVANIZED. MINIMUM GALVANIZED COATING FOR PREFABRICATED METAL CONNECTORS TO BE G-185 PER ASTM A-653. CONNECTORS HOT DIPPED GALVANIZED AFTER FABRICATION TO BE IN ACCORDANCE WITH ASTM A-123. FASTENERS HOT DIPPED GALVANIZED AFTER FABRICATION TO BE IN ACCORDANCE WITH ASTM A-153. MECHANICALLY GALVANIZED FASTENERS TO BE IN ACCORDANCE WITH ASTM B-695, CLASS 55.

SYMBOLS

A. TYPICAL DETAILS, SECTIONS, AND NOTES ARE GENERAL IN NATURE, AND USAGE IS NOT LIMITED TO WHERE SPECIFICALLY NOTED.

B / S-3 — TYPICAL DETAIL LETTER; SHEET WHERE DETAIL IS DRAWN

1 / S-3 — SECTION NUMBER; DIRECTION OF SECTION; SHEET WHERE SECTION IS DRAWN

1.1 — GENERAL NOTE NUMBER

STRUCTURAL ABBREVIATIONS

MARK	MEANING	MARK	MEANING	MARK	MEANING
ø	DIAMETER	FF	FINISHED FLOOR	SOG	SLAB ON GRADE
#	POUND/NUMBER	FND	FOUNDATION	SPF	SPRUCE PINE FIR
&	AND	FT	FOOT	SQ	SQUARE
@	AT	FTG	FOOTING	STD	STANDARD
±	PLUS OR MINUS	GA	GAUGE	STIFF	STIFFENER
AB	ANCHOR BOLTS	GALV	GALVANIZED	STL	STEEL
ADD	ADDITIONAL	GC	GENERAL CONTRACTOR	TC	TOP CHORD
ALT	ALTERNATE	GEN	GENERAL	T&B	TOP AND BOTTOM
ARCH	ARCHITECT	GLB	GLUE LAMINATED BEAM	T&G	TOUNGUE AND GROOVE
BLKG	BLOCKING	GT	GIRDER TRUSS	T/FTG	TOP OF FOOTING
BM	BEAM	HDR	HEADER	T/SLAB	TOP OF SLAB
BOTT	BOTTOM	HGR	HANGER	TOS	TOP OF STEEL
BC	BOTTOM CHORD	HK	HOOK	THRU	THROUGH
BRG	BEARING	HT	HEIGHT	TYP	TYPICAL
BRDG	BRIDGING	HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
BLDG	BUILDING	HSS	TUBE STEEL/PIPE COLUMN	VERT	VERTICAL
CBR	CAMBER	IN	INCH	VAR	VARIES
CANT	CANTILEVER	INSUL	INSULATION	VIF	VERIFY IN FIELD
CL	CENTERLINE	INT	INTERIOR	W	WIDE FLANGE BEAM
CR	CLEAR	JST	JOIST	W/	WITH
COL	COLUMN	K	KIP	W/O	WITH OUT
CONC	CONCRETE	L	ANGLE	WD	WOOD
CJ	CONTROL JOINT	LBS	POUND	WWF	WELDED WIRE FABRIC
CONN	CONNECTION	LLH	LONG LEG HORIZONTAL		
CONT	CONTINUOUS	LLV	LONG LEG VERTICAL		
COORD	COORDINATE	LVL	LAMINATED VENEER LUMBER		
CONST	CONSTRUCTION	LG	LONG		
CONTR	CONTRACTOR	LT GA	LIGHT GAUGE		
d	PENNY NAIL	MATL	MATERIAL		
DP	DEEP	MAX	MAXIMUM		
DET	DETAIL	MTL	METAL		
DIAG	DIAGONAL	MIDHT	MID HEIGTH		
DO	DITTO	MIN	MINIMUM		
DBL	DOUBLE	MNFR	MANUFACTURER		
DF	DOUGLAS FIR	NIC	NOT IN CONTRACT		
DWG	DRAWING	NTS	NOT TO SCALE		
DWL	DOWELL	OC	ON CENTER		
EA	EACH	OPNG	OPENING		
EE	EACH END	OPP	OPPOSITE		
EF	EACH FACE	OSB	ORIENTED STRAND BOARD		
EJ	EXPANSION JOINT	PAF	POWER ACTIVATED FASTENER		
EL	ELEVATION	PL	PLATE		
ELEV	ELEVATOR	PSF	POUNDS PER SQUARE FOOT		
EMBED	EMBEDMENT	PSI	POUNDS PER SQUARE INCH		
EQ	EQUAL	PSL	PARALLEL STRAND LUMBER		
ES	EACH SIDE	PLWD	PLYWOOD		
EW	EACH WAY	PT	PRESSURE TREATED		
EWB	EACH WAY BOTTOM	RCP	REINFORCED CONCRETE PIPE		
EX	EXISTING	REINF	REINFORCING		
EXP	EXPANSION	REQ'D	REQUIRED		
EXT	EXTERIOR	SHTG	SHEATHING		
FIN	FINISHED	SIM	SIMILAR		

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — STEPHEN M. BROWN — No. 200363 — PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 200363, EXPIRATION DATE 3/19/2025."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 12/9/2024

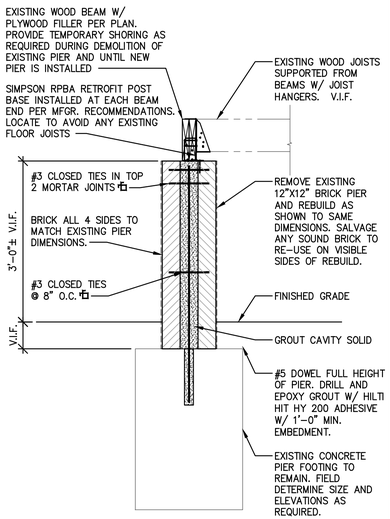
APPROVED DATE — CHIEF ENGINEER
APPROVED DATE — PROJECT MANAGER
APPROVED DATE — ASSISTANT CHIEF ENGINEER
APPROVED DATE — CHIEF, RIGHT OF WAY

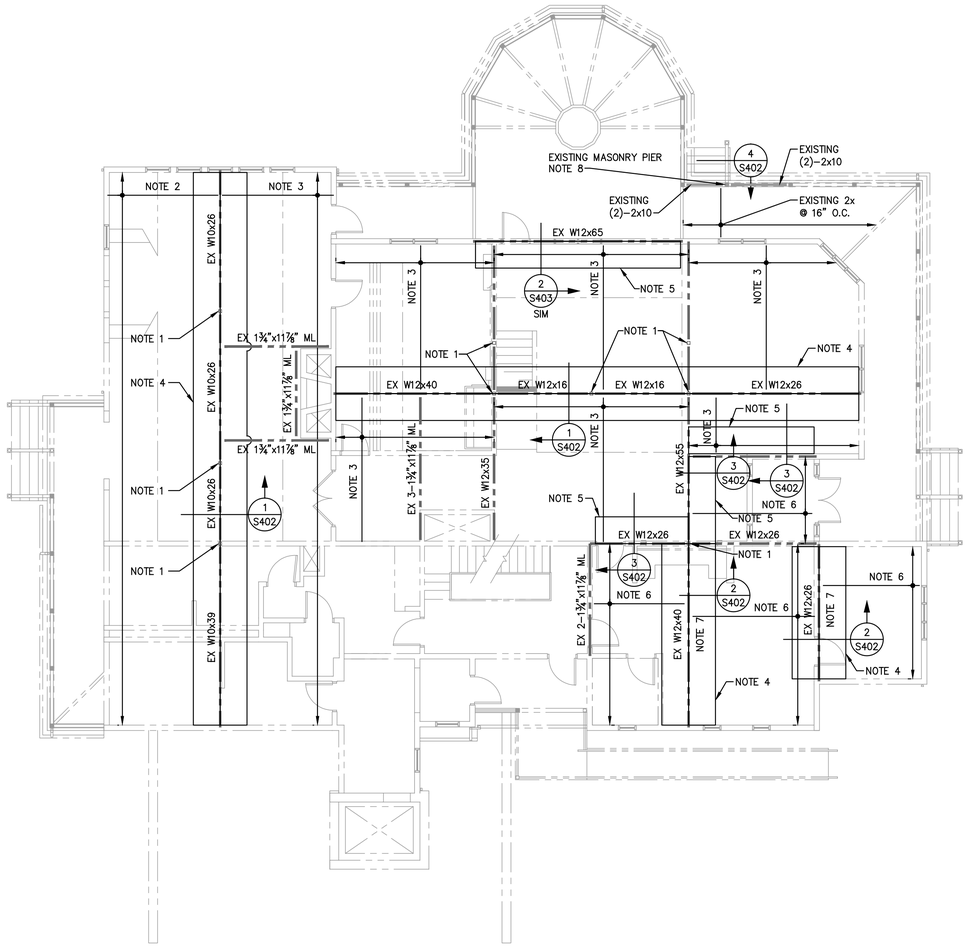
SCALE: AS NOTED
DRAWN BY: JM
CHECKED BY: JG
SHEET NO. 26 OF 73
PROJECT NO. P584600
CONTRACT NO. 10493

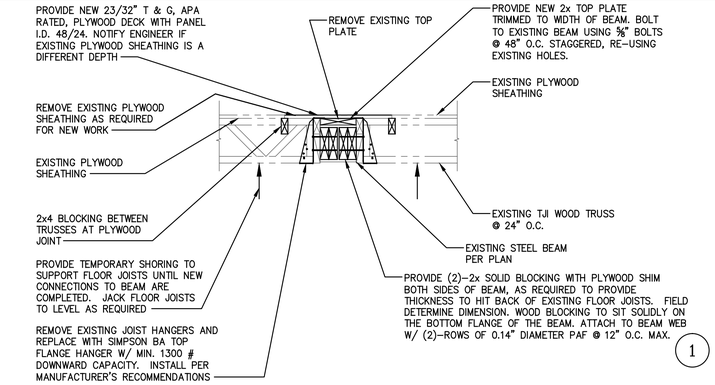
QUIET WATERS PARK
FIRE PUMP BUILDING - VISITOR CENTER & BLUE HERON RENOVATIONS
600 QUIET WATERS PARK RD
ANNAPOLIS, MD 21403

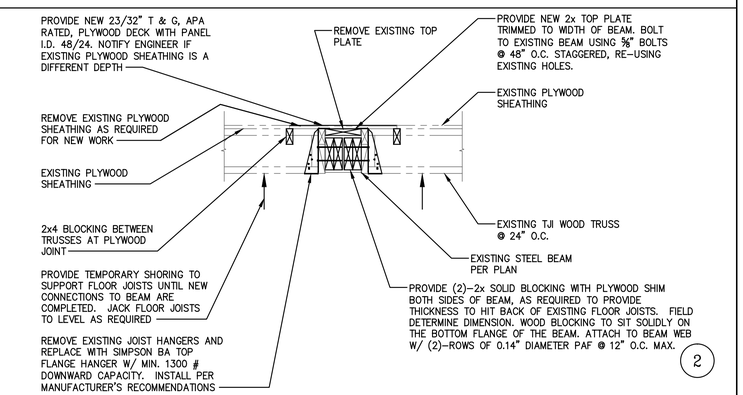
BLUE HERON AND VISITORS CENTER
GENERAL NOTES

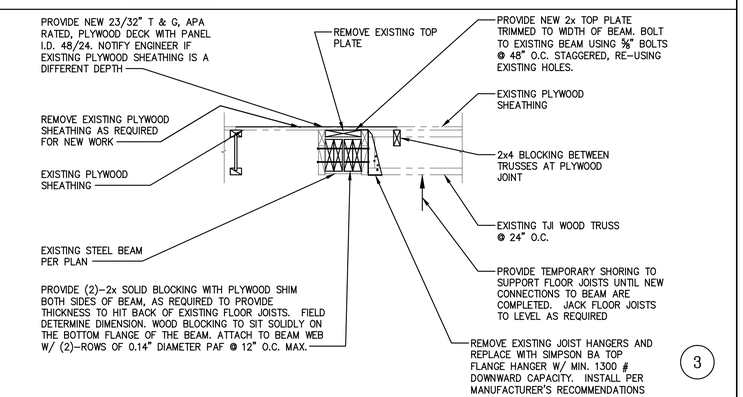
S401











Visitor's Center - First Floor Framing Plan

1/8" = 1'-0"

1. EXISTING STEEL COLUMN BELOW.
2. EXISTING 12" OPEN WEB WOOD TRUSSES @ 2'-0" O.C MAX.
3. EXISTING 12" TJI FLOOR JOISTS @ 24" O.C. MAX.
4. REMOVE EXISTING CEILING BELOW APPROXIMATELY 3'-0" ON EACH SIDE OF BEAM, OR AS REQUIRED FOR NEW WORK. REMOVE EXISTING FINISH FLOORING AND PLYWOOD SUB-FLOORING FOR APPROXIMATELY 2'-0" ON EACH SIDE OF BEAM. PROVIDE TEMPORARY SHORING FOR EXISTING JOISTS ON BOTH SIDES OF BEAM. REMOVE EXISTING HANGERS AND REMOVE AND REPLACE TOP PLATE. SEE 1/S403 FOR ADDITIONAL INFORMATION.
5. REMOVE EXISTING CEILING BELOW APPROXIMATELY 3'-0" ON SIDE OF BEAM, OR AS REQUIRED FOR NEW WORK. REMOVE EXISTING FINISH FLOORING AND PLYWOOD SUB-FLOORING FOR APPROXIMATELY 2'-0" ON SIDE OF BEAM. PROVIDE TEMPORARY SHORING FOR EXISTING JOISTS. REMOVE EXISTING HANGERS AND REMOVE AND REPLACE TOP PLATE. SEE 1/S403 FOR ADDITIONAL INFORMATION.
6. EXISTING FLOOR JOISTS TO BE FIELD DETERMINED. CEILING ACCESS WAS NOT AVAILABLE.
7. CONDITION OF CONNECTIONS OF JOISTS TO BEAM COULD NOT BE VERIFIED. ASSUME CONNECTIONS NEED TO BE PATCHED. EOR TO INSPECT ONCE CEILINGS ARE OPENED UP AND A FINAL DETERMINATION CAN BE MADE AT THAT TIME.
8. DEMOLISH EXISTING 12"x12" BRICK PIER AND REBUILD.

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND · STEPHEN M. BROWN · No. 200363 · PROFESSIONAL ENGINEER

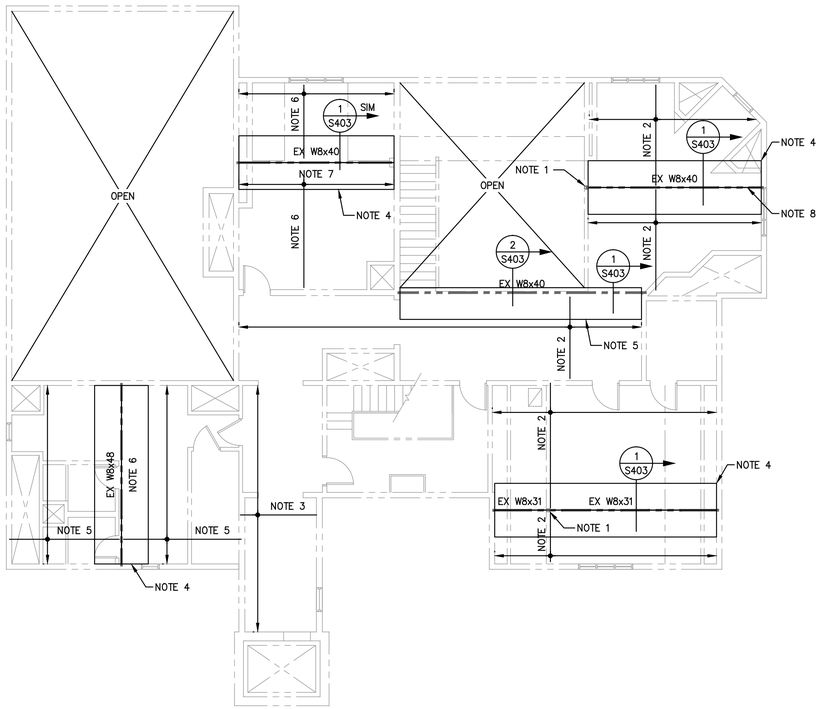
"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 200363, EXPIRATION DATE 3/19/2025."

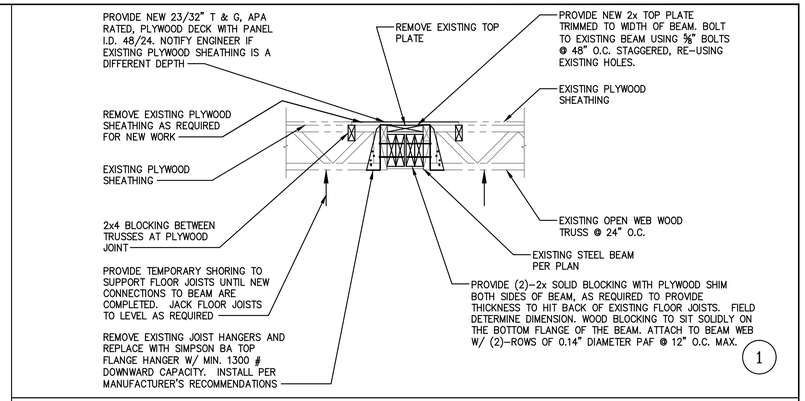
NO.	DESCRIPTION	BY	DATE
△			

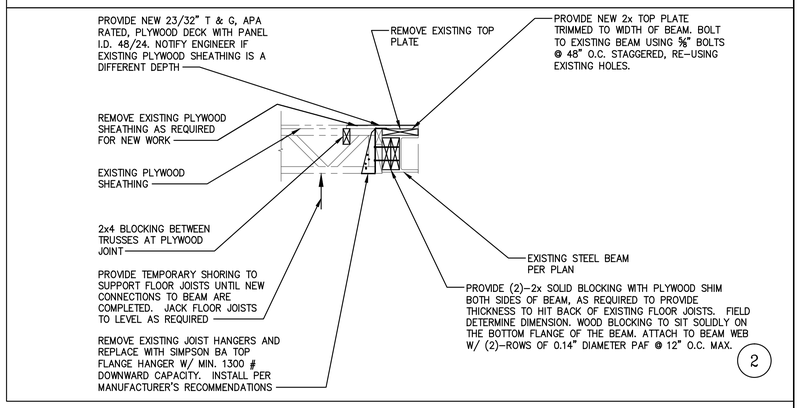
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 12/9/2024

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING - VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
		DRAWN BY: JM	
CHIEF ENGINEER	PROJECT MANAGER	CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO. 27 OF 73	VISITORS CENTER FIRST FLOOR FRAMING PLAN
		PROJECT NO. P584600	S402
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. 10493	







Visitor's Center - Second Floor Framing Plan

1/8" = 1'-0"

1. EXISTING STEEL COLUMN BELOW.
2. EXISTING 12" OPEN WEB WOOD TRUSSES @ 2'-0" O.C MAX.
3. EXISTING 12" TJI FLOOR JOISTS @ 24" O.C. MAX.
4. REMOVE EXISTING CEILING APPROXIMATELY 3'-0" ON EACH SIDE OF BEAM. REMOVE EXISTING FINISH FLOORING AND PLYWOOD SUB-FLOORING FOR APPROXIMATELY 2'-0" ON EACH SIDE OF BEAM. PROVIDE TEMPORARY SHORING FOR EXISTING JOISTS ON BOTH SIDES OF BEAM. REMOVE EXISTING HANGERS AND REMOVE AND REPLACE TOP PLATE. SEE 1/S403 FOR ADDITIONAL INFORMATION.
5. REMOVE EXISTING CEILING APPROXIMATELY 3'-0" ON SIDE OF BEAM. REMOVE EXISTING FINISH FLOORING AND PLYWOOD SUB-FLOORING FOR APPROXIMATELY 2'-0" ON SIDE OF BEAM. PROVIDE TEMPORARY SHORING FOR EXISTING JOISTS. REMOVE EXISTING HANGERS AND REMOVE AND REPLACE TOP PLATE. SEE 1/S403 FOR ADDITIONAL INFORMATION.
6. EXISTING FLOOR JOISTS TO BE FIELD DETERMINED. CEILING ACCESS HAD BEEN PATCHED AND COULD NOT BE VERIFIED.
7. CONDITION OF CONNECTIONS OF JOISTS TO BEAM COULD NOT BE VERIFIED. ASSUME CONNECTIONS NEED TO BE PATCHED. EOR TO INSPECT ONCE CEILINGS ARE OPENED UP AND A FINAL DETERMINATION CAN BE MADE AT THAT TIME.
8. NO JOIST HANGER FOUND AT FIRST JOIST. PROVIDE SIMPSON BA TOP FLANGE JOIST HANGER.

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3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND
STEPHEN M. BRUNO
No. 200363
PROFESSIONAL ENGINEER

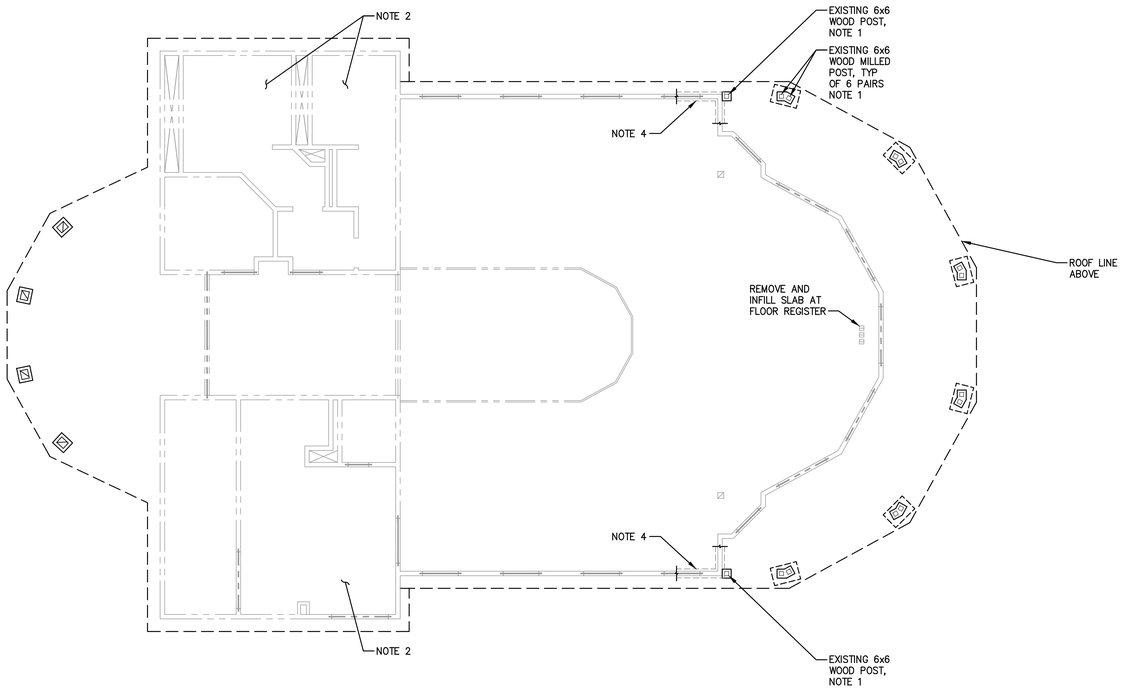
"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 200363, EXPIRATION DATE 3/19/2025."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 12/9/2024

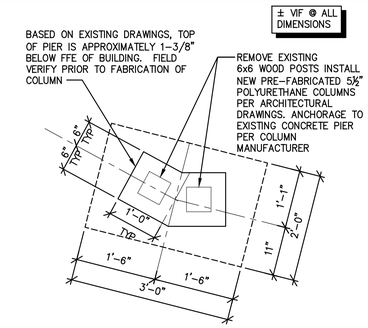
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING - VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO. 28 OF 73	VISITORS CENTER SECOND FLOOR FRAMING PLAN
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. 10493	S403



Blue Heron - Fiirst Floor / Foundation Plan

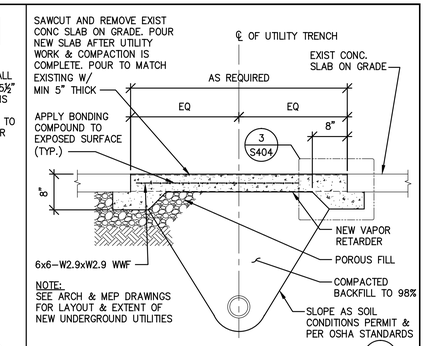
1/8" = 1'-0"

1. REMOVE EXISTING WOOD POSTS. PROVIDE TEMPORARY SHORING FOR EXISTING ROOF STRUCTURE UNTIL NEW SUPPORTING FOUNDATIONS AND PIERS ARE INSTALLED. PROVIDE NEW 5½" POLYURETHANE COLUMNS PER ARCHITECTURAL DRAWINGS. POSTS TO REPLACE EXISTING. ANCHORAGE TO EXISTING PIERS AND HEADER ABOVE PER MANUFACTURER.
2. SAWCUT AND REMOVE EXISTING CONCRETE SLAB ON GRADE AS REQUIRED FOR NEW UNDERGROUND UTILITIES. COORDINATE LOCATION OF UTILITIES AND EXTENT OF REQUIRED DEMOLITION WITH PLUMBING DRAWINGS. PATCH SLAB WITH MINIMUM 5" CONCRETE SLAB ON GRADE REINFORCED WITH 6x6-W2.9xW2.9 WELDED WIRE MESH. TOP OF PATCH ELEVATION TO MATCH EXISTING ADJACENT SLAB. SEE DETAIL 2/S404.
3. REMOVE AND SALVAGE EXISTING BRICK PAVING AS REQUIRED FOR INSTALLATION OF NEW COLUMN. SEE 1/S404 FOR GEOMETRY OF EXISTING PIER FOUNDATION. PATCH WITH SALVAGED BRICK PAVING.
4. EXISTING CONCRETE WALL FOOTING. FIELD DETERMINE SIZE AND DEPTH AS REQUIRED.



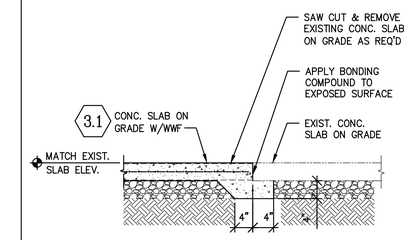
EXISTING CONCRETE PORCH PIER & FOOTING

1



TYPICAL NEW UTILITY AT EXIST SLAB ON GRADE

2



TYPICAL NEW SLAB AT EXISTING SLAB ON GRADE

3

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Telephone Number: 410-234-8444

STATE OF MARYLAND — STEPHEN M. BROWN — No. 200363 — PROFESSIONAL ENGINEER

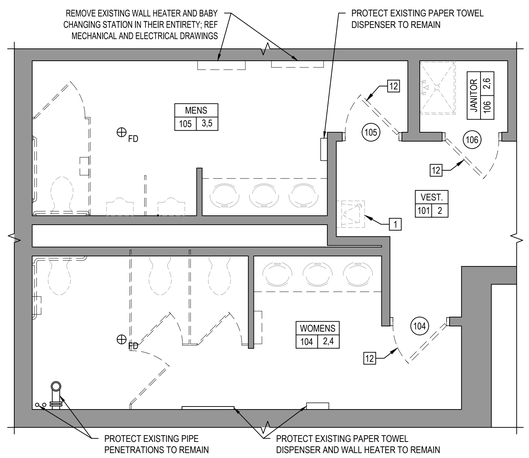
"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 200363, EXPIRATION DATE 3/19/2025."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 12/9/2024

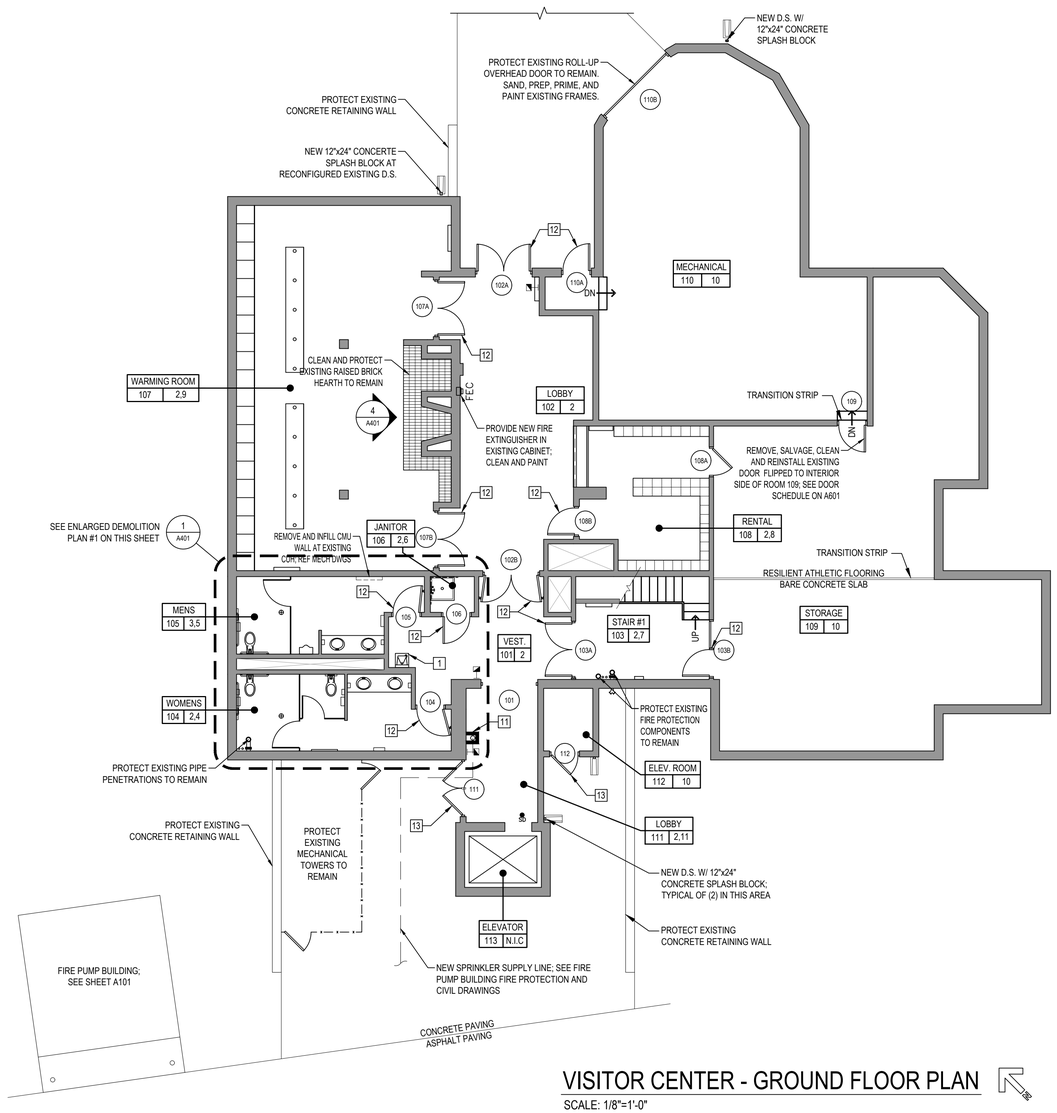
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING - VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO. 29 OF 73	BLUE HERON FIRST FLOOR/FOUNDATION PLAN
		PROJECT NO. P584600	S404
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. 10493	



GROUND FLOOR ENLARGED DEMOLITION PLAN

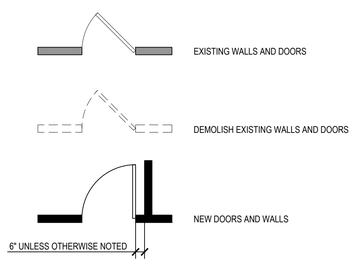
7

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



VISITOR CENTER - GROUND FLOOR PLAN

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



SYMBOL LEGEND

SCALE: NTS

GROUND FLOOR NUMBERED PLAN NOTES:

LEGEND: ROOM NUMBER — ROOM 000 1.2.3 — ROOM NAME / NUMBERED PLAN NOTES; 12 — NUMBERED PLAN NOTES

1. DEMOLISH EXISTING WATER FOUNTAIN. PROTECT EXISTING DOMESTIC WATER, SANITARY, AND POWER TO BE RECONFIGURED FOR NEW BOTTLE FILLER FOUNTAIN MOUNTED ON ADJACENT WALL. INFILL EXISTING MASONRY WALL TO MATCH ADJACENT WALL CONSTRUCTION. INSTALL NEW BOTTLE FILLER FOUNTAIN AT ADA COMPLIANT HEIGHT, CENTERED ON WALL BETWEEN VESTIBULE 101 AND WOMENS 104. RECONFIGURE EXISTING DOMESTIC WATER, SANITARY, AND POWER AS NEEDED FOR NEW BOTTLE FILLER FOUNTAIN. PATCH EXISTING WALL TO MATCH ADJACENT WALL CONSTRUCTION FOLLOWING INSTALLATION OF NEW BOTTLE FILLER FOUNTAIN.
2. **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. RESURFACE EXISTING SLAB WITH SELF-LEVELER, PREPARE, AND INSTALL NEW RESILIENT ATHLETIC FLOORING AND WALL BASE PER MANUFACTURER'S RECOMMENDATIONS. RAISE EXISTING FLOOR DRAINS TO BE FLUSH WITH NEW FLOORING WITH EXTENDED COLLARS PER MEP PLANS. PROVIDE AND INSTALL NEW FLOOR DRAIN COVER.
   WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. (WOMEN'S 104 ONLY) DEMOLISH ALL EXISTING WALL TILES; PROTECT EXISTING PLUMBING ROUGH-INS AND WALLS TO REMAIN. GRIND AND SMOOTH SURFACE DOWN TO SOUND MATERIAL AND APPLY PORTLAND CEMENT PARGE COAT TO ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CERAMIC WALL TILES. SCRAPE, SAND, AND PREPARE EXISTING CMU WALL BEHIND LAVATORIES FOR INSTALLATION OF NEW CERAMIC WALL TILES. INSTALL NEW CERAMIC WALL TILES FROM TOP OF RESILIENT ATHLETIC FLOORING BASE, UP TO 6" ABOVE FINISHED CEILING.
   CEILING: DEMOLISH EXISTING ACOUSTICAL LAY-IN CEILING, GRID, AND ALL ASSOCIATED SUPPORTS. PROTECT ALL EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES TO BE REINSTALLED IN NEW CEILING; DEVICES SHALL BE INSTALLED CENTERED IN NEW TILES. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES. ; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LAY-IN CEILING TILES, GRIDS, AND SUPPORTS AS PER PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
3. **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. RESURFACE EXISTING SLAB WITH SELF-LEVELER, PREPARE, AND INSTALL NEW RESILIENT ATHLETIC FLOORING AND WALL BASE PER MANUFACTURER'S RECOMMENDATIONS. RAISE EXISTING FLOOR DRAINS TO BE FLUSH WITH NEW FLOORING. PROVIDE AND INSTALL NEW FLOOR DRAIN COVER.
   WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. DEMOLISH ALL EXISTING WALL TILES; PROTECT EXISTING PLUMBING ROUGH-INS AND WALLS TO REMAIN. GRIND AND SMOOTH SURFACE DOWN TO SOUND MATERIAL AND APPLY PORTLAND CEMENT PARGE COAT OVER ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CERAMIC WALL TILES. SCRAPE, SAND, AND PREPARE EXISTING CMU WALL BEHIND LAVATORIES FOR INSTALLATION OF NEW CERAMIC WALL TILES. INSTALL NEW CERAMIC WALL TILES FROM TOP OF RESILIENT ATHLETIC FLOORING BASE, UP TO UNDERSIDE OF FINISHED CEILING; PROVIDE STAINLESS STEEL J-TRIM AT TOP OF WALL TILE FLUSH TO UNDERSIDE OF CEILING.
   CEILING: DEMOLISH EXISTING HARD CEILING IN IT'S ENTIRETY IN PREPARATION FOR STRUCTURAL REPAIR WORK. PROTECT EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES; PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. CONSTRUCT NEW SUSPENDED GYPSUM WALLBOARD CEILING AT EXISTING ELEVATION; PAINTED.
4. DEMOLISH EXISTING TOILET PARTITIONS, ACCESSORIES, PLUMBING FIXTURES, AND COUNTERTOP IN THEIR ENTIRETY; PROTECT EXISTING DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW WOMENS RESTROOM LAYOUT PER ENLARGED FLOOR PLAN #1 ON SHEET A401, PLUMBING, AND ELECTRICAL DRAWINGS.
5. DEMOLISH EXISTING TOILET PARTITIONS, ACCESSORIES, PLUMBING FIXTURES, AND COUNTERTOP IN THEIR ENTIRETY - PROTECT EXISTING DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW MENS RESTROOM LAYOUT PER ENLARGED FLOOR PLAN #1 ON SHEET A401, PLUMBING, AND ELECTRICAL DRAWINGS.
6. DEMOLISH EXISTING FLOOR SINK, FLOORING, AND WALL MOUNTED SHELVING IN THEIR ENTIRETY - PROTECT EXISTING FAUCET, DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW JANITOR CLOSET LAYOUT PER ENLARGED FLOOR PLAN #1 ON SHEET A401, PLUMBING, AND ELECTRICAL DRAWINGS.
7. PROTECT EXISTING STAIRS, STRINGERS, AND RAILINGS TO REMAIN. PREP, SAND, PRIME, AND PAINT ALL EXISTING PAINTED STAIR PANS, STRINGERS, AND RAILINGS WITH (2) FINISH COATS OF PAINT.
8. PROTECT EXISTING SKATE SHELVES, STAINLESS STEEL COUNTERTOP, TV, EQUIPMENT, AND OVERHEAD ROLLING DOOR TO REMAIN. SAND, PREP, PRIME, AND PAINT ALL EXISTING SHELVING AND DESK.
9. PROTECT EXISTING LOCKERS AND POST MOUNTED BENCHES TO REMAIN. SAND, PREP, AND SEAL EXISTING WOOD BENCHES WITH (3) COATS OF OIL-BASED POLYURETHANE - PAINT BENCH POSTS TO MATCH NEW CABINET HEATER ENCLOSURE; SEE MEP PLANS. REMOVE EXISTING BASE TILE FINISH AT FIREPLACE SURROUND - PROTECT EXISTING FIREBOX, FIREPLACE WALLS, AND RAISED BRICK HEARTH TO REMAIN. CAREFULLY REMOVE AND SALVAGE EXISTING WOOD MANTEL SHELF TO BE REINSTALLED. CLEAN, PREP, PRIME, AND PAINT EXISTING STUCCO FINISH TO REMAIN. RESURFACE RAISED MANTEL WHERE EXISTING BASE TILE WAS REMOVED AND PREPARE FOR NEW RESILIENT ATHLETIC FLOORING BASE. SEE INTERIOR ELEVATION #4 ON SHEET A401.
10. PROTECT EXISTING MECHANICAL, ELECTRICAL AND FIRE PROTECTION EQUIPMENT SCHEDULED TO REMAIN PER MEP AND FP NEW WORK PLANS. REMOVE ALL EXISTING LIGHT FIXTURES. PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES. INSTALL NEW LIGHTING FIXTURES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. STORAGE ROOM 109 ONLY; PREPARE EXISTING CONCRETE SLAB FOR NEW RESILIENT ATHLETIC FLOORING TO BE INSTALLED TO THE EXTENTS SHOWN ON PLANS. PROVIDE TRANSITION STRIP ALONG ALL MATERIAL TERMINATIONS THAT OCCUR ALONG PATHS OF EGRESS AND ALL ALL DOORS. ENSURE DOORS ARE SIZED TO CLEAR FLOORING.
11. CONSTRUCT 5/8" GWB ON 3-5/8" (20) GAUGE METAL STUDS (WALL TYPE C - SEE G101) ANCHORED TO EXISTING SLAB AND CMU WALLS, FROM FLOOR TO 6" ABOVE FINISHED CEILING, TIGHT TO NEW 6" WATER LINE. INSTALL NEW SPRINKLER LINE TIGHT TO EXISTING WALLS UNTIL UP ABOVE FINISHED CEILING. NEW SPRINKLER LINE TO BE BROUGHT INTO THE BUILDING UNDER DOOR #111. SAW-CUT AND PATCH EXISTING CONSTRUCTION PER STRUCTURAL DRAWINGS.
12. REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE IN THEIR ENTIRETY; PROTECT EXISTING DOOR FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. PROVIDE AND INSTALL NEW DOOR AND HARDWARE PER DOOR SCHEDULE ON A601. NEW DOORS SHALL BE PROVIDED WITH 3/4" UNDERCUT AT NEW FLOOR FINISHES PER FINISH SCHEDULE.
13. REMOVE AND SALVAGE EXISTING HARDWARE TO BE REUSED. PROTECT EXISTING DOOR AND FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. CLEAN AND REINSTALL EXISTING HARDWARE TO MATCH EXISTING CONFIGURATION.
14. SELECTIVELY DEMOLISH CMU WALLS TO CREATE MASONRY OPENING SIZED PER NEW MECHANICAL DUCTS. SEAL WITH FIRE STOPPING AROUND DUCTS FOLLOWING INSTALLATION. PROVIDE AND INSTALL NEW STEEL LINTELS PER STRUCTURAL LINTEL SCHEDULES SIZED FOR MASONRY OPENINGS. REFER TO NEW MECHANICAL PLANS.

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Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRIMES — No. 21365 — ARCHITECT

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

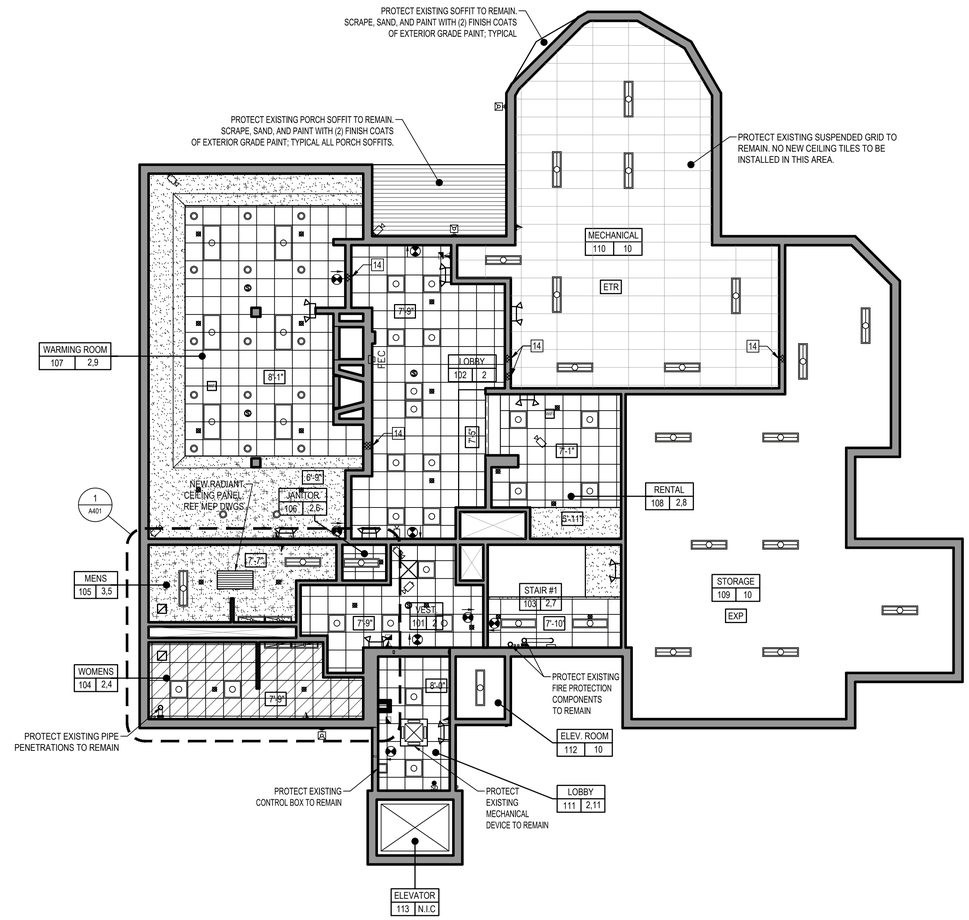
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
		DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.30OF 73	VISITOR CENTER GROUND FLOOR PLAN
		PROJECT NO. P584600	A102
		CONTRACT NO. P584608	



VISITOR CENTER - GROUND FLOOR REFLECTED CEILING PLAN

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

RCP SYMBOL LEGEND:

- X'-X" CEILING HEIGHT
- A — NEW 2X2 SUSPENDED ACOUSTICAL LAY IN CEILING TYPE 'A'
- B — NEW 2X2 SUSPENDED ACOUSTICAL LAY IN CEILING TYPE 'B'
- EXISTING CEILING TO REMAIN (U.O.N.); PREP & PAINT W/ (2) FINISH COATS
- REMOVE EXISTING GWB CEILING AND INSTALL NEW PAINTED GWB CEILING
- WiFi NODE
- DATA JACK
- SPEAKER
- CEILING MOUNTED CAMERA
- EMERGENCY LED WALL PACK
- SMOKE DETECTOR
- WALL MOUNTED LED UP & DOWN LIGHT
- WALL MOUNTED LED DOWN LIGHT
- DIRECTIONAL LED TRACK LIGHTS
- LED PORTRAIT TRACK LIGHTS
- WALL MOUNTED STROBE
- FIRE PULL STATION
- LAY-IN 2x2 LED LIGHT FIXTURE
- LAY-IN 2x4 LED LIGHT FIXTURE
- RECESSED 1X4 LED LIGHT FIXTURE
- SURFACE 1X4 LED LIGHT FIXTURE
- WALL MOUNTED LED LIGHT FIXTURE
- RECESSED LED DOWNLIGHT
- LED EXIT SIGN
- RETURN GRILLE
- SUPPLY GRILLE
- ACCESS PANEL
- SPRINKLER HEAD
- SEMI-RECESSED LED DOWN LIGHT
- INTERIOR LED WALL SCONCE
- ORNATE EXTERIOR WALL SCONCE; PROVIDE NEW SIDING BASE PLATE
- EXTERIOR LED WALL PACK; PROVIDE NEW SIDING BASE PLATE

GROUND FLOOR NUMBERED PLAN NOTES:

LEGEND: ROOM NUMBER — ROOM 000 1.2.3 — ROOM NAME / NUMBERED PLAN NOTES; 12 — NUMBERED PLAN NOTES

1. DEMOLISH EXISTING WATER FOUNTAIN. PROTECT EXISTING DOMESTIC WATER, SANITARY, AND POWER TO BE RECONFIGURED FOR NEW BOTTLE FILLER FOUNTAIN MOUNTED ON ADJACENT WALL. INFILL EXISTING MASONRY WALL TO MATCH ADJACENT WALL CONSTRUCTION. INSTALL NEW BOTTLE FILLER FOUNTAIN AT ADA COMPLIANT HEIGHT, CENTERED ON WALL BETWEEN VESTIBULE 101 AND WOMENS 104. RECONFIGURE EXISTING DOMESTIC WATER, SANITARY, AND POWER AS NEEDED FOR NEW BOTTLE FILLER FOUNTAIN. PATCH EXISTING WALL TO MATCH ADJACENT WALL CONSTRUCTION FOLLOWING INSTALLATION OF NEW BOTTLE FILLER FOUNTAIN.
2. FLOOR: REMOVE AND DISPOSE OF ALL EXISTING FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. RESURFACE EXISTING SLAB WITH SELF-LEVELER, PREPARE, AND INSTALL NEW RESILIENT ATHLETIC FLOORING AND WALL BASE PER MANUFACTURER'S RECOMMENDATIONS. RAISE EXISTING FLOOR DRAINS TO BE FLUSH WITH NEW FLOORING WITH EXTENDED COLLARS PER MEP PLANS. PROVIDE AND INSTALL NEW FLOOR DRAIN COVER.
   WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. (WOMEN'S 104 ONLY) DEMOLISH ALL EXISTING WALL TILES; PROTECT EXISTING PLUMBING ROUGH-INS AND WALLS TO REMAIN. GRIND AND SMOOTH SURFACE DOWN TO SOUND MATERIAL AND APPLY PORTLAND CEMENT PARGE COAT TO ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CERAMIC WALL TILES. SCRAPE, SAND, AND PREPARE EXISTING CMU WALL BEHIND LAVATORIES FOR INSTALLATION OF NEW CERAMIC WALL TILES. INSTALL NEW CERAMIC WALL TILES FROM TOP OF RESILIENT ATHLETIC FLOORING BASE, UP TO 6" ABOVE FINISHED CEILING.
   CEILING: DEMOLISH EXISTING ACOUSTICAL LAY-IN CEILING, GRID, AND ALL ASSOCIATED SUPPORTS. PROTECT ALL EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES TO BE REINSTALLED IN NEW CEILING; DEVICES SHALL BE INSTALLED CENTERED IN NEW TILES. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES. ; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LAY-IN CEILING TILES, GRIDS, AND SUPPORTS AS PER PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
3. FLOOR: REMOVE AND DISPOSE OF ALL EXISTING FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. RESURFACE EXISTING SLAB WITH SELF-LEVELER, PREPARE, AND INSTALL NEW RESILIENT ATHLETIC FLOORING AND WALL BASE PER MANUFACTURER'S RECOMMENDATIONS. RAISE EXISTING FLOOR DRAINS TO BE FLUSH WITH NEW FLOORING. PROVIDE AND INSTALL NEW FLOOR DRAIN COVER.
   WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. DEMOLISH ALL EXISTING WALL TILES; PROTECT EXISTING PLUMBING ROUGH-INS AND WALLS TO REMAIN. GRIND AND SMOOTH SURFACE DOWN TO SOUND MATERIAL AND APPLY PORTLAND CEMENT PARGE COAT OVER ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CERAMIC WALL TILES. SCRAPE, SAND, AND PREPARE EXISTING CMU WALL BEHIND LAVATORIES FOR INSTALLATION OF NEW CERAMIC WALL TILES. INSTALL NEW CERAMIC WALL TILES FROM TOP OF RESILIENT ATHLETIC FLOORING BASE, UP TO UNDERSIDE OF FINISHED CEILING; PROVIDE STAINLESS STEEL J-TRIM AT TOP OF WALL TILE FLUSH TO UNDERSIDE OF CEILING.
   CEILING: DEMOLISH EXISTING HARD CEILING IN IT'S ENTIRETY IN PREPARATION FOR STRUCTURAL REPAIR WORK. PROTECT EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES; PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. CONSTRUCT NEW SUSPENDED GYPSUM WALLBOARD CEILING AT EXISTING ELEVATION; PAINTED.
4. DEMOLISH EXISTING TOILET PARTITIONS, ACCESSORIES, PLUMBING FIXTURES, AND COUNTERTOP IN THEIR ENTIRETY; PROTECT EXISTING DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW WOMENS RESTROOM LAYOUT PER ENLARGED FLOOR PLAN #1 ON SHEET A401, PLUMBING, AND ELECTRICAL DRAWINGS.
5. DEMOLISH EXISTING TOILET PARTITIONS, ACCESSORIES, PLUMBING FIXTURES, AND COUNTERTOP IN THEIR ENTIRETY - PROTECT EXISTING DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW MENS RESTROOM LAYOUT PER ENLARGED FLOOR PLAN #1 ON SHEET A401, PLUMBING, AND ELECTRICAL DRAWINGS.
6. DEMOLISH EXISTING FLOOR SINK, FLOORING, AND WALL MOUNTED SHELVING IN THEIR ENTIRETY - PROTECT EXISTING FAUCET, DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW JANITOR CLOSET LAYOUT PER ENLARGED FLOOR PLAN #1 ON SHEET A401, PLUMBING, AND ELECTRICAL DRAWINGS.
7. PROTECT EXISTING STAIRS, STRINGERS, AND RAILINGS TO REMAIN. PREP, SAND, PRIME, AND PAINT ALL EXISTING PAINTED STAIR PANS, STRINGERS, AND RAILINGS WITH (2) FINISH COATS OF PAINT.
8. PROTECT EXISTING SKATE SHELVES, STAINLESS STEEL COUNTERTOP, TV, EQUIPMENT, AND OVERHEAD ROLLING DOOR TO REMAIN. SAND, PREP, PRIME, AND PAINT ALL EXISTING SHELVING AND DESK.
9. PROTECT EXISTING LOCKERS AND POST MOUNTED BENCHES TO REMAIN. SAND, PREP, AND SEAL EXISTING WOOD BENCHES WITH (3) COATS OF OIL-BASED POLYURETHANE - PAINT BENCH POSTS TO MATCH NEW CABINET HEATER ENCLOSURE; SEE MEP PLANS. REMOVE EXISTING BASE TILE FINISH AT FIREPLACE SURROUND - PROTECT EXISTING FIREBOX, FIREPLACE WALLS, AND RAISED BRICK HEARTH TO REMAIN. CAREFULLY REMOVE AND SALVAGE EXISTING WOOD MANTEL SHELF TO BE REINSTALLED. CLEAN, PREP, PRIME, AND PAINT EXISTING STUCCO FINISH TO REMAIN. RESURFACE RAISED MANTEL WHERE EXISTING BASE TILE WAS REMOVED AND PREPARE FOR NEW RESILIENT ATHLETIC FLOORING BASE. SEE INTERIOR ELEVATION #4 ON SHEET A401.
10. PROTECT EXISTING MECHANICAL, ELECTRICAL AND FIRE PROTECTION EQUIPMENT SCHEDULED TO REMAIN PER MEP AND FP NEW WORK PLANS. REMOVE ALL EXISTING LIGHT FIXTURES. PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES. INSTALL NEW LIGHTING FIXTURES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. STORAGE ROOM 109 ONLY: PREPARE EXISTING CONCRETE SLAB FOR NEW RESILIENT ATHLETIC FLOORING TO BE INSTALLED TO THE EXTENTS SHOWN ON PLANS. PROVIDE TRANSITION STRIP ALONG ALL MATERIAL TERMINATIONS THAT OCCUR ALONG PATHS OF EGRESS AND ALL ALL DOORS. ENSURE DOORS ARE SIZED TO CLEAR FLOORING.
11. CONSTRUCT 5/8" GWB ON 3-5/8" (20) GAUGE METAL STUDS (WALL TYPE C - SEE G101) ANCHORED TO EXISTING SLAB AND CMU WALLS, FROM FLOOR TO 6" ABOVE FINISHED CEILING, TIGHT TO NEW 6" WATER LINE. INSTALL NEW SPRINKLER LINE TIGHT TO EXISTING WALLS UNTIL UP ABOVE FINISHED CEILING. NEW SPRINKLER LINE TO BE BROUGHT INTO THE BUILDING UNDER DOOR #111. SAW-CUT AND PATCH EXISTING CONSTRUCTION PER STRUCTURAL DRAWINGS.
12. REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE IN THEIR ENTIRETY; PROTECT EXISTING DOOR FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. PROVIDE AND INSTALL NEW DOOR AND HARDWARE PER DOOR SCHEDULE ON A601. NEW DOORS SHALL BE PROVIDED WITH 3/4" UNDERCUT AT NEW FLOOR FINISHES PER FINISH SCHEDULE.
13. REMOVE AND SALVAGE EXISTING HARDWARE TO BE REUSED. PROTECT EXISTING DOOR AND FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. CLEAN AND REINSTALL EXISTING HARDWARE TO MATCH EXISTING CONFIGURATION.
14. SELECTIVELY DEMOLISH CMU WALLS TO CREATE MASONRY OPENING SIZED PER NEW MECHANICAL DUCTS. SEAL WITH FIRE STOPPING AROUND DUCTS FOLLOWING INSTALLATION. PROVIDE AND INSTALL NEW STEEL LINTELS PER STRUCTURAL LINTEL SCHEDULES SIZED FOR MASONRY OPENINGS. REFER TO NEW MECHANICAL PLANS.

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Baltimore, Maryland 21227-1044
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STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

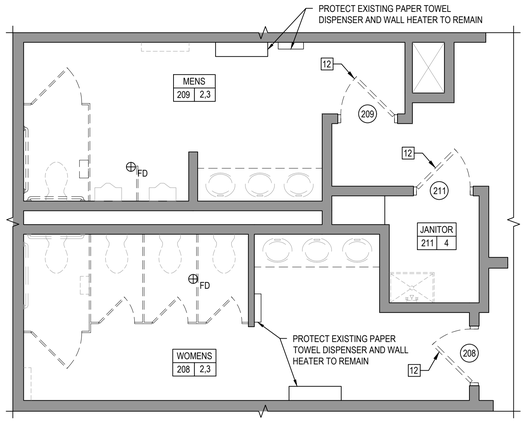
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

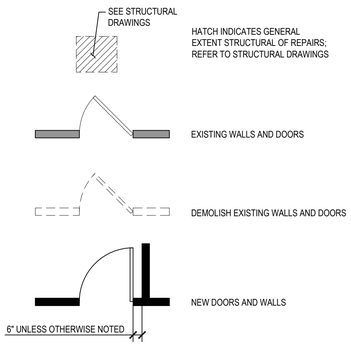
APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK
		DRAWN BY: JM	FIRE PUMP BUILDING–VISITOR CENTER & BLUE HERON RENOVATIONS
		CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO. 31 OF 73	VISITOR CENTER – GROUND FLOOR REFLECTED CEILING PLAN
		PROJECT NO. P584600	A103
		CONTRACT NO. P584608	



FIRST FLOOR ENLARGED DEMOLITION PLAN

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

1



SYMBOL LEGEND

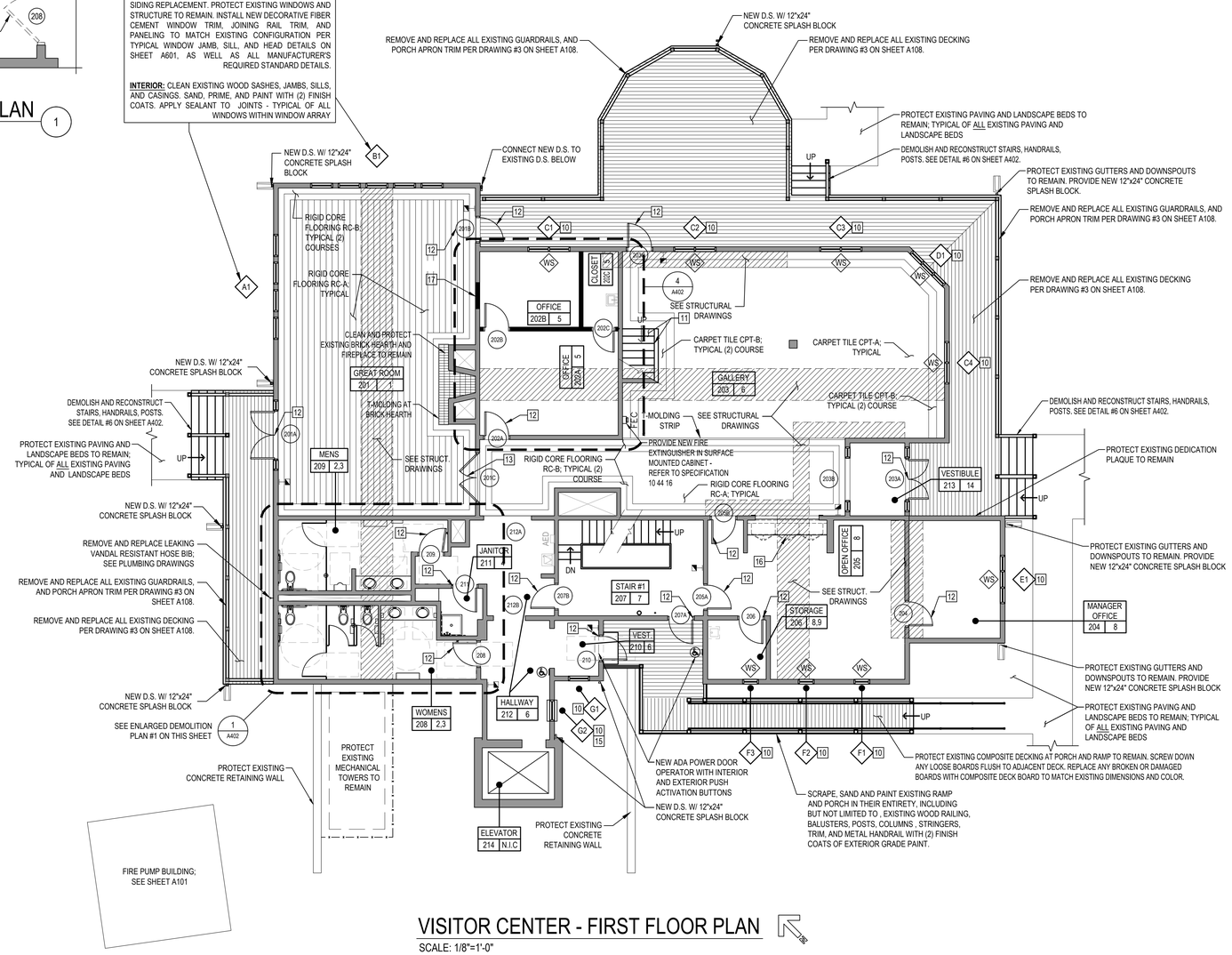
SCALE: NTS

EXTERIOR: REMOVE EXISTING EXTERIOR WINDOW TRIM, JOINING RAIL TRIM, AND PANELING IN CONJUNCTION WITH SIDING REPLACEMENT. PROTECT EXISTING WINDOWS AND STRUCTURE TO REMAIN. INSTALL NEW DECORATIVE FIBER CEMENT WINDOW TRIM, JOINING RAIL TRIM, AND PANELING TO MATCH EXISTING CONFIGURATION PER TYPICAL WINDOW JAMB, SILL, AND HEAD DETAILS ON SHEET A601, AS WELL AS ALL MANUFACTURER'S REQUIRED STANDARD DETAILS.

INTERIOR: CLEAN EXISTING WOOD SASHES, JAMBS, SILLS, AND CASINGS. SAND, PRIME, AND PAINT WITH (2) FINISH COATS. APPLY SEALANT TO JOINTS - TYPICAL OF ALL WINDOWS WITHIN WINDOW ARRAY

GENERAL NOTE:

WS PROVIDE WINDOW SHADES WHERE INDICATED.



VISITOR CENTER - FIRST FLOOR PLAN

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

FIRST FLOOR NUMBERED PLAN NOTES:

LEGEND: ROOM NUMBER — ROOM 000 1,2,3 — ROOM NAME / NUMBERED PLAN NOTES; 12 — NUMBERED PLAN NOTES

1 **FLOOR:** REMOVE ALL EXISTING SHOE MOLDING AND PLANK FLOORING DOWN TO EXISTING HARDWOOD FLOOR BELOW; PROTECT EXISTING WOOD BASE AND BRICK HEARTH TO REMAIN. SAWCUT AND REMOVE EXISTING HARDWOOD FLOOR AND SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS. INFILL EXISTING HARDWOOD AND SUBFLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE W/ NO LIPS OR EDGES AT ADJOINING SURFACES. PREP EXISTING HARDWOOD FLOOR SURFACE TO RECEIVE NEW RIGID CORE FLOORING THROUGHOUT. PROVIDE AND INSTALL NEW RIGID CORE FLOORING FOLLOWING STRUCTURAL REPAIRS PER STRUCTURAL PLANS; NEW RIGID CORE FLOORING DESIGN IN GREAT ROOM 201 TO CONSIST OF (2) DIFFERENT COLORS, WITH A FIELD (RC-A) AND A BORDER (RC-B), INSTALLED AS SHOWN ON PLANS. INSTALL NEW SHOE MOLDING SIZED TO MATCH EXISTING PROFILE FOLLOWING FLOORING INSTALL. SAND, PREP, AND FINISH EXISTING WOOD BASE AND NEW SHOE MOLDING TO MATCH RC-B.
WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PROTECT EXISTING WINDOW ARRAYS 'A1' AND 'B1', INCLUDING THE (2) HALF-CIRCLE TRANSOM LITES ABOVE. PREP, SKIM-COAT, SAND, PRIME, AND PAINT ENTIRETY OF ALL WALL SURFACES, INCLUDING EXISTING PAINTED WINDOW AND DOOR TRIM, THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT. WALL PAINT COLOR LIMITED TO VERTICAL SURFACES ONLY - CEILINGS SHALL BE PAINTED FLAT WHITE.
CEILING: PROTECT EXISTING HARD CEILING, SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES. PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.

2 **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING TILE FLOORING AND BASE THROUGHOUT ENTIRE SPACE DOWN TO EXISTING SUBFLOORING. REMOVE EXISTING SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS; INFILL EXISTING SUBFLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE WITH NO LIPS OR EDGES AT ADJACENT SURFACES. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. GRIND AND SMOOTH SUBFLOOR DOWN TO SOUND MATERIAL AND APPLY SELF-LEVER OVER ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CERAMIC FLOOR TILES AND BASE FOLOWING STRUCTURAL REPAIRS. RAISE EXISTING FLOOR DRAINS TO BE FLUSH WITH NEW FLOORING. PROVIDE AND INSTALL NEW FLOOR DRAIN COVER.
WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PREP, SKIM-COAT, SAND, PRIME, AND PAINT ENTIRETY OF ALL PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. DEMOLISH EXISTING WALL TILE FROM ENTIRE FACE OF WALL BEHIND TOILETS, URINALS, AND LAVATORIES; PROTECT EXISTING PLUMBING ROUGH-INS AND BACKER BOARD TO REMAIN. GRIND AND SMOOTH BACKER BOARD DOWN TO SOUND MATERIAL AND APPLY PARGE COAT OVER ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CERAMIC WALL TILES. INSTALL NEW CERAMIC WALL TILES FROM TOP TO UNDERSIDE OF FINISHED CEILING; PROVIDE STAINLESS STEEL J-TRIM AT TOP OF WALL TILE FLUSH TO UNDERSIDE OF CEILING.
CEILING: PROTECT EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. DEMOLISH ENTIRE HARD CEILING IN COORDINATION WITH STRUCTURAL REPAIRS; SEE STRUCTURAL DRAWINGS. REMOVE ALL EXISTING LIGHT FIXTURES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW 1/2" GYPSUM WALLBOARD CEILING THROUGHOUT ENTIRE SPACE AT EXISTING ELEVATION. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL HARD CEILINGS WITH (2) FINISH COATS OF PAINT.

3 DEMOLISH EXISTING TOILET PARTITIONS, ACCESSORIES, PLUMBING FIXTURES, AND COUNTERTOP IN THEIR ENTIRETY - PROTECT EXISTING DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW RESTROOM LAYOUTS PER ENLARGED FLOOR PLAN #1 ON SHEET A402.

4 DEMOLISH EXISTING FLOOR SINK AND FLOORING IN THEIR ENTIRETY - PROTECT EXISTING FAUCET, DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW MOP SINK PER MEP PLANS. PROTECT EXISTING WALL MOUNTED SHELVING TO REMAIN. INSTALL NEW 3'x3' FRP PANELS AT REAR AND SIDE OF NEW MOP SINK. PREPARE EXISTING SUBFLOORING AND INSTALL NEW VCT FLOORING AND RESILIENT BASE THROUGHOUT SPACE. PAINT ALL WALLS.

5 **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING TILE FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. SELECTIVELY SAWCUT AND REMOVE EXISTING SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS. INFILL EXISTING SUBFLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE WITH NO LIPS OR EDGES AT ADJOINING SURFACES. INFILL FLOOR AT ABANDONED OPENINGS TO MATCH ADJACENT CONSTRUCTION. GRIND AND SMOOTH SUBFLOOR DOWN TO SOUND MATERIAL AND APPLY SELF-LEVER OVER ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CARPET TILES AND BASE FOLLOWING STRUCTURAL REPAIRS AND INFILL.
WALLS: REMOVE EXISTING WALL TILES IN THEIR ENTIRETY. CAP ALL ABANDONED DOMESTIC AND SANITARY CONNECTIONS BEHIND THE WALL / BELOW DECK. INSTALL NEW LAYER OF 5/8" GYPSUM WALLBOARD OVER ENTIRE WALL SURFACE WHERE WALL TILES HAVE BEEN REMOVED - PAINT ALL WALLS FOLLOWING REPAIR WORK. SEE ROOF PLAN ON SHEET A108 FOR KITCHEN EXHAUST FAN DEMOLITION NOTES. CONSTRUCT NEW GYPSUM WALLBOARD AND METAL STUD PARTITIONS PER ENLARGED FLOOR PLAN #4 ON SHEET A402. SEE MECHANICAL, PLUMBING, AND ELECTRICAL NEW WORK PLANS. SEE G101 FOR WALL TYPES.
CEILING: SEE CEILING WORK IN NOTE #2 ABOVE. RELOCATE LIGHT FIXTURES PER NEW ELECTRICAL PLANS.

6 **FLOOR:** REMOVE ALL EXISTING SHOE MOLDING AND CARPET DOWN TO EXISTING HARDWOOD FLOOR; PROTECT EXISTING WOOD BASE TO REMAIN. SELECTIVELY SAWCUT AND REMOVE EXISTING SUBFLOORING AND HARDWOOD FLOOR AS REQUIRED FOR NEW STRUCTURAL REPAIRS. INFILL EXISTING HARDWOOD AND SUBFLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE WITH NO LIPS OR EDGES AT ADJOINING SURFACES. PREP EXISTING HARDWOOD SURFACE TO RECEIVE NEW FINISHES THROUGHOUT ENTIRE SPACE. NEW FLOORING DESIGN IN GALLERY 203 TO CONSIST OF CARPET TILE AND RIGID CORE FLOORING, INSTALLED AS SHOWN ON PLANS. FLOORING IN HALLWAY 212 SHALL BE RC-B. INSTALL NEW SHOE MOLDING SIZED TO MATCH EXISTING PROFILE FOLLOWING FLOORING INSTALL. SAND, PREP, AND FINISH EXISTING WOOD BASE AND NEW SHOE MOLDING TO MATCH RC-B.
WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PROTECT EXISTING WINDOW CASING AND TRIM TO REMAIN. SKIM-COAT, PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL WALL SURFACES, INCLUDING EXISTING PAINTED WINDOW AND DOOR TRIM, THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT. WALL PAINT COLOR LIMITED TO VERTICAL SURFACES ONLY - CEILINGS SHALL BE PAINTED FLAT WHITE.
CEILING: SEE CEILING WORK IN NOTE #2 ABOVE.

7 **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING VCT FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. RESURFACE EXISTING SLAB , PREPARE, AND INSTALL NEW VCT FLOORING AND RUBBER WALL BASE PER MANUFACTURER'S RECOMMENDATIONS.
STAIRS: PROTECT EXISTING STAIRS, STRINGERS, AND RAILINGS TO REMAIN, PREP, SAND, PRIME, AND PAINT ALL EXISTING PAINTED STAIR PANS, STRINGERS, AND RAILINGS WITH (2) FINISH COATS OF PAINT.
WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING.
CEILING: PROTECT EXISTING HARD CEILING, SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES. PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.

8 **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING FLOORING AND SHOE MOLDING, THROUGHOUT ENTIRE SPACE, DOWN TO BARE FLOOR JOISTS. PROTECT EXISTING WALLS, WALL BASE, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. INSTALL NEW FLOOR JOISTS, SISTERED TO EXISTING JOISTS, CONSTRUCTED TO CREATE A LEVEL AND EVEN PLANE, AND INSTALL NEW SUB-FLOORING THROUGHOUT ENTIRE SPACE. PREPARE NEW SUB-FLOORING AND INSTALL NEW CARPET TILE THROUGHOUT PER MANUFACTURER'S RECOMMENDATIONS. INSTALL NEW WOOD SHOE MOLDING STAINED TO MATCH EXISTING BUILT-IN CABINETRY IN OFFICE 205. REFER TO STRUCTURAL DRAWINGS.
WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO UNDERSIDE OF FINISHED CEILING.
CEILING: SEE CEILING WORK IN NOTE #2 ABOVE.

9 REMOVE EXISTING HAND SINK AND ASSOCIATED PLUMBING SUPPLY AND SANITARY LINES IN THEIR ENTIRETY. CAP ALL DOMESTIC AND SANITARY CONNECTIONS BEHIND THE WALL - PATCH AND PAINT EXISTING WALL TO MATCH ADJACENT CONSTRUCTION. INSTALL NEW FLOOR REGISTER PER MECHANICAL DRAWINGS. PROTECT EXISTING SERVER, NETWORK, AND SECURITY DEVICES AND SYSTEMS TO REMAIN. COORDINATE WITH OWNER WHEN DEMOLISHING FINISHES WITHIN SPACE TO ENSURE ALL SECURITY PROTOCOLS ARE ABIDED BY. PROVIDE NEW STATIC DISSIPATIVE VCT WITH GROUNDING MAT PER MANUFACTURER'S RECOMMENDATIONS. SEE FINISH SCHEDULE.

10 SELECTIVELY DEMOLISH EXISTING WINDOW IN ITS ENTIRETY - PROTECT EXISTING INTERIOR AND EXTERIOR WINDOW CASING AND TRIM TO REMAIN. PROVIDE AND INSTALL NEW TRIPLE PANE, INSULATED, VINYL WINDOW UNITS - SIZED TO FIT EXISTING ROUGH OPENINGS AND CONFIGURATIONS. SEE WINDOW SCHEDULE AND TYPES ON SHEET A601. CAULK ENTIRE PERIMETER OF NEW WINDOW - BOTH INTERIOR AND EXTERIOR. TOUCH-UP PAINT EXISTING TRIM, SIDING, CASING FOLLOWING INSTALLATION.

11 REMOVE AND DISPOSE OF EXISTING STAIR CARPET DOWN TO BARE TREADS AND RISERS. INSTALL NEW CARPET AND PROTECTIVE STAIR NOSE STRIP ON ALL THREADS. SAND, PRIME, AND PAINT ALL RISERS WITH (2) FINISH COATS OF PAINT. PROTECT EXISTING WOOD STRINGERS, HANDRAIL, AND CAP.

12 REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE IN THEIR ENTIRETY; PROTECT EXISTING DOOR FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. PROVIDE AND INSTALL NEW DOOR AND HARDWARE PER DOOR SCHEDULE ON A601. NEW DOORS SHALL BE PROVIDED WITH 3/4" UNDERCUT AT NEW FLOOR FINISHES PER FINISH SCHEDULE.

13 REMOVE AND SALVAGE EXISTING HARDWARE TO BE REUSED. PROTECT EXISTING DOOR AND FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. CLEAN AND REINSTALL EXISTING HARDWARE TO MATCH EXISTING CONFIGURATION.

14 **FLOOR:** REMOVE ALL EXISTING FLOOR TILE DOWN TO EXISTING SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS. PROTECT EXISTING WOOD BASE TO REMAIN. PROVIDE AND INSTALL NEW PLYWOOD SUBFLOORING THROUGHOUT ENTIRE SPACE. INSTALL NEW WALK-OFF CARPET TILE THROUGHOUT ENTIRE SPACE PER FINISH SCHEDULE.
WALLS: PROTECT EXISTING DOOR FRAMES AND SIDELITES TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAMES WITH (2) FINISH COATS OF PAINT. PROTECT EXISTING FEATURE WALL AND WOOD PANELS TO REMAIN. PROTECT, RECONFIGURE, AND INSTALL NEW FIRE CONTROL PANELS PER FIRE PROTECTION PLANS. REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PREP, SKIM-COAT, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT.
CEILING: SEE CEILING WORK IN NOTE #2 ABOVE.

15 PROTECT EXISTING THRU-WALL MECHANICAL UNIT TO REMAIN. PROVIDE AND INSTALL NEW EXTERIOR TRIM WITH NEW FLASHING TIED-IN TO EXISTING WALL SLEEVE, INSTALLED WITH POSITIVE DRAINAGE AWAY FROM THE STRUCTURE AND MECHANICAL UNIT.

16 DEMOLISH EXISTING BUILT-IN DESK, CABINETS, AND ROLL-UP DOOR IN THEIR ENTIRETY. CONSTRUCT NEW GYPSUM WALLBOARD ON 2x4 FIRE RATED KNEE WALL WITH BUILT-IN PLASTIC LAMINATE CABINETS AND SOLID SURFACE COUNTERTOP. SEE PLAN AND ELEVATIONS 7 & 8 ON A402.

17 DEMOLISH EXISTING DOOR AND FRAME IN THEIR ENTIRETY BACK TO FRAMED ROUGH-OPENING. CONSTRUCT NEW WALL INFILL (WALL TYPE D - SEE G101) AT ABANDONED DOORWAY AND FINISH TO MATCH ADJACENT WALL SURFACES. PROVIDE AND INSTALL NEW WOOD WALL BASE AND SHOE MOLDING TO MATCH EXISTING IN GREAT ROOM 201; STAINED AND FINISHED TO MATCH EXISTING.

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STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21366 — ARCHITECT

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21366, EXPIRATION DATE 01/11/2027."

(C) RRMM ARCHITECTS
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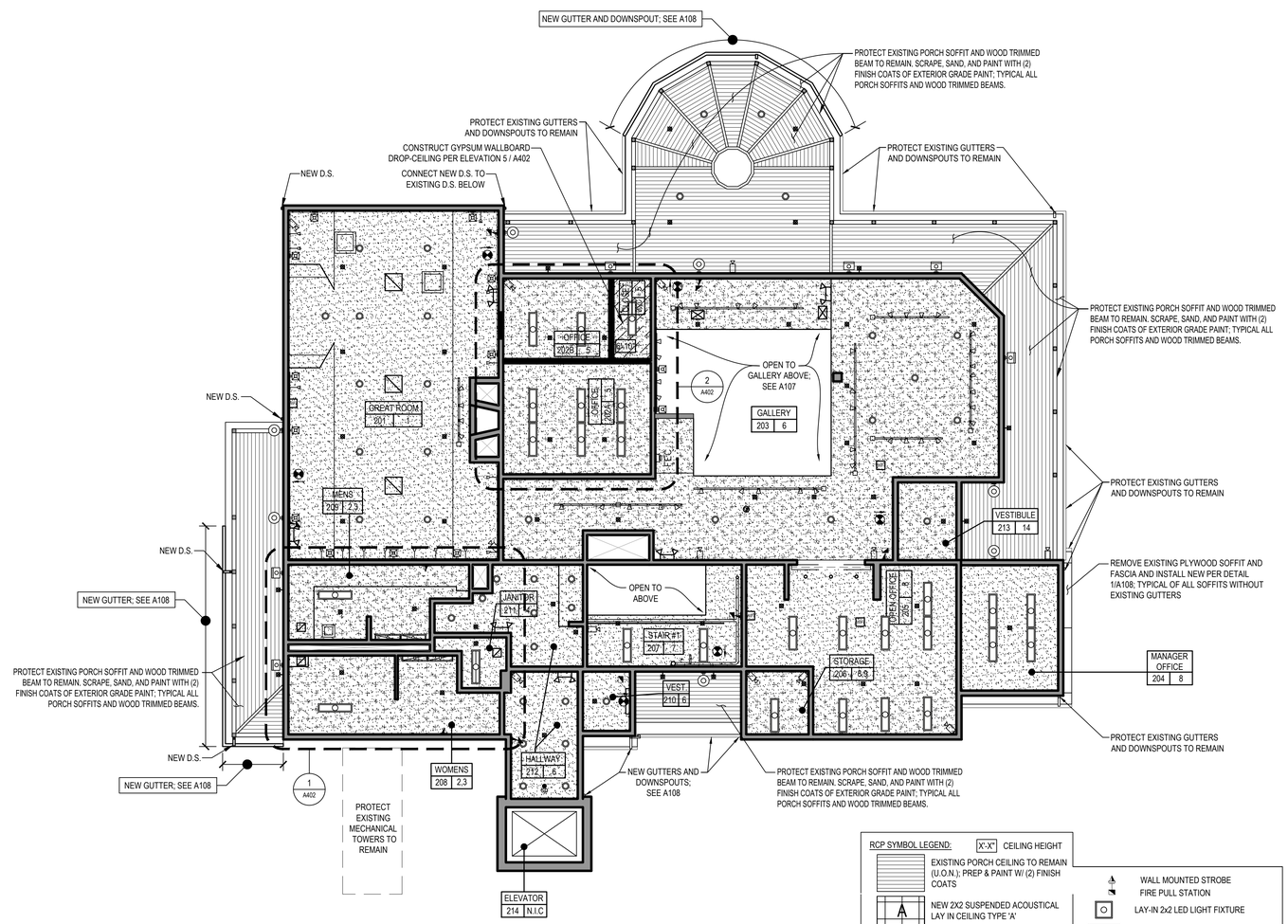
NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JG CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO.32OF 73	VISITOR CENTER FIRST FLOOR PLAN
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. P584608	A104



VISITOR CENTER - FIRST FLOOR REFLECTED CEILING PLAN

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

RCP SYMBOL LEGEND:

- X'-X" CEILING HEIGHT
- EXISTING PORCH CEILING TO REMAIN (U.O.N.); PREP & PAINT W/ (2) FINISH COATS
- A — NEW 2X2 SUSPENDED ACOUSTICAL LAY IN CEILING TYPE 'A'
- B — NEW 2X2 SUSPENDED ACOUSTICAL LAY IN CEILING TYPE 'B'
- EXISTING CEILING TO REMAIN (U.O.N.); PREP & PAINT W/ (2) FINISH COATS
- REMOVE EXISTING GWB CEILING AND INSTALL NEW PAINTED GWB CEILING
- WiFi NODE
- DATA JACK
- SPEAKER
- CEILING MOUNTED CAMERA
- EMERGENCY LED WALL PACK
- SMOKE DETECTOR
- WALL MOUNTED LED UP & DOWN LIGHT
- WALL MOUNTED LED DOWN LIGHT
- DIRECTIONAL LED TRACK LIGHTS
- LED PORTRAIT TRACK LIGHTS
- WALL MOUNTED STROBE
- FIRE PULL STATION
- LAY-IN 2x2 LED LIGHT FIXTURE
- LAY-IN 2x4 LED LIGHT FIXTURE
- RECESSED 1X4 LED LIGHT FIXTURE
- SURFACE 1X4 LED LIGHT FIXTURE
- WALL MOUNTED LED LIGHT FIXTURE
- RECESSED LED DOWNLIGHT
- LED EXIT SIGN
- RETURN GRILLE
- SUPPLY GRILLE
- ACCESS PANEL
- SPRINKLER HEAD
- SEMI-RECESSED LED DOWN LIGHT
- INTERIOR LED WALL SCONCE
- ORNATE EXTERIOR WALL SCONCE; PROVIDE NEW SIDING BASE PLATE
- EXTERIOR LED WALL PACK; PROVIDE NEW SIDING BASE PLATE

LEGEND:

- ROOM — ROOM NAME
- ROOM NUMBER — 000 1,2,3 — NUMBERED PLAN NOTES
- 12 — NUMBERED PLAN NOTES

FIRST FLOOR NUMBERED PLAN NOTES:

1. **FLOOR:** REMOVE ALL EXISTING SHOE MOLDING AND PLANK FLOORING DOWN TO EXISTING HARDWOOD FLOOR BELOW; PROTECT EXISTING WOOD BASE AND BRICK HEARTH TO REMAIN. SAWCUT AND REMOVE EXISTING HARDWOOD FLOOR AND SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS. INFILL EXISTING HARDWOOD AND SUBFLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE W/ NO LIPS OR EDGES AT ADJOINING SURFACES. PREP EXISTING HARDWOOD FLOOR SURFACE TO RECEIVE NEW RIGID CORE FLOORING THROUGHOUT. PROVIDE AND INSTALL NEW RIGID CORE FLOORING FOLLOWING STRUCTURAL REPAIRS PER STRUCTURAL PLANS; NEW RIGID CORE FLOORING DESIGN IN GREAT ROOM 201 TO CONSIST OF (2) DIFFERENT COLORS, WITH A FIELD (RC-A) AND A BORDER (RC-B), INSTALLED AS SHOWN ON PLANS. INSTALL NEW SHOE MOLDING SIZED TO MATCH EXISTING PROFILE FOLLOWING FLOORING INSTALL. SAND, PREP, AND FINISH EXISTING WOOD BASE AND NEW SHOE MOLDING TO MATCH RC-B.
   WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PROTECT EXISTING WINDOW ARRAYS 'A1' AND 'B1', INCLUDING THE (2) HALF-CIRCLE TRANSOM LITES ABOVE. PREP, SKIM-COAT, SAND, PRIME, AND PAINT ENTIRETY OF ALL WALL SURFACES, INCLUDING EXISTING PAINTED WINDOW AND DOOR TRIM, THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT. WALL PAINT COLOR LIMITED TO VERTICAL SURFACES ONLY - CEILINGS SHALL BE PAINTED FLAT WHITE.
   CEILING: PROTECT EXISTING HARD CEILING, SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES. PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
2. **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING TILE FLOORING AND BASE THROUGHOUT ENTIRE SPACE DOWN TO EXISTING SUBFLOORING. REMOVE EXISTING SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS; INFILL EXISTING SUBFLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE WITH NO LIPS OR EDGES AT ADJACENT SURFACES. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. GRIND AND SMOOTH SUBFLOOR DOWN TO SOUND MATERIAL AND APPLY SELF-LEVER OVER ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CERAMIC FLOOR TILES AND BASE FOLOWING STRUCTURAL REPAIRS. RAISE EXISTING FLOOR DRAINS TO BE FLUSH WITH NEW FLOORING. PROVIDE AND INSTALL NEW FLOOR DRAIN COVER.
   WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PREP, SKIM-COAT, SAND, PRIME, AND PAINT ENTIRETY OF ALL PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. DEMOLISH EXISTING WALL TILE FROM ENTIRE FACE OF WALL BEHIND TOILETS, URINALS, AND LAVATORIES; PROTECT EXISTING PLUMBING ROUGH-INS AND BACKER BOARD TO REMAIN. GRIND AND SMOOTH BACKER BOARD DOWN TO SOUND MATERIAL AND APPLY PARGE COAT OVER ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CERAMIC WALL TILES. INSTALL NEW CERAMIC WALL TILES FROM TOP CERAMIC WALL BASE UP TO UNDERSIDE OF FINISHED CEILING; PROVIDE STAINLESS STEEL J-TRIM AT TOP OF WALL TILE FLUSH TO UNDERSIDE OF CEILING.
   CEILING: PROTECT EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. DEMOLISH ENTIRE HARD CEILING IN COORDINATION WITH STRUCTURAL REPAIRS; SEE STRUCTURAL DRAWINGS. REMOVE ALL EXISTING LIGHT FIXTURES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW 1/2" GYPSUM WALLBOARD CEILING THROUGHOUT ENTIRE SPACE AT EXISTING ELEVATION. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
3. DEMOLISH EXISTING TOILET PARTITIONS, ACCESSORIES, PLUMBING FIXTURES, AND COUNTERTOP IN THEIR ENTIRETY - PROTECT EXISTING DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW RESTROOM LAYOUTS PER ENLARGED FLOOR PLAN #1 ON SHEET A402.
4. DEMOLISH EXISTING FLOOR SINK AND FLOORING IN THEIR ENTIRETY - PROTECT EXISTING FAUCET, DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW MOP SINK PER MEP PLANS. PROTECT EXISTING WALL MOUNTED SHELVING TO REMAIN. INSTALL NEW 3'x3' FRP PANELS AT REAR AND SIDE OF NEW MOP SINK. PREPARE EXISTING SUBFLOORING AND INSTALL NEW VCT FLOORING AND RESILIENT BASE THROUGHOUT SPACE. PAINT ALL WALLS.
5. **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING TILE FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. SELECTIVELY SAWCUT AND REMOVE EXISTING SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS. INFILL EXISTING SUBFLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE WITH NO LIPS OR EDGES AT ADJOINING SURFACES. INFILL FLOOR AT ABANDONED OPENINGS TO MATCH ADJACENT CONSTRUCTION. GRIND AND SMOOTH SUBFLOOR DOWN TO SOUND MATERIAL AND APPLY SELF-LEVER OVER ENTIRE SURFACE TO CREATE SMOOTH SURFACE FOR NEW CARPET TILES AND BASE FOLLOWING STRUCTURAL REPAIRS AND INFILL.
   WALLS: REMOVE EXISTING WALL TILES IN THEIR ENTIRETY. CAP ALL ABANDONED DOMESTIC AND SANITARY CONNECTIONS BEHIND THE WALL / BELOW DECK. INSTALL NEW LAYER OF 5/8" GYPSUM WALLBOARD OVER ENTIRE WALL SURFACE WHERE WALL TILES HAVE BEEN REMOVED - PAINT ALL WALLS FOLLOWING REPAIR WORK. SEE ROOF PLAN ON SHEET A108 FOR KITCHEN EXHAUST FAN DEMOLITION NOTES. CONSTRUCT NEW GYPSUM WALLBOARD AND METAL STUD PARTITIONS PER ENLARGED FLOOR PLAN #4 ON SHEET A402. SEE MECHANICAL, PLUMBING, AND ELECTRICAL NEW WORK PLANS. SEE G101 FOR WALL TYPES.
   CEILING: SEE CEILING WORK IN NOTE #2 ABOVE. RELOCATE LIGHT FIXTURES PER NEW ELECTRICAL PLANS.
6. **FLOOR:** REMOVE ALL EXISTING SHOE MOLDING AND CARPET DOWN TO EXISTING HARDWOOD FLOOR; PROTECT EXISTING WOOD BASE TO REMAIN. SELECTIVELY SAWCUT AND REMOVE EXISTING SUBFLOORING AND HARDWOOD FLOOR AS REQUIRED FOR NEW STRUCTURAL REPAIRS. INFILL EXISTING HARDWOOD AND SUBFLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE WITH NO LIPS OR EDGES AT ADJOINING SURFACES. PREP EXISTING HARDWOOD SURFACE TO RECEIVE NEW FINISHES THROUGHOUT ENTIRE SPACE. NEW FLOORING DESIGN IN GALLERY 203 TO CONSIST OF CARPET TILE AND RIGID CORE FLOORING, INSTALLED AS SHOWN ON PLANS. FLOORING IN HALLWAY 212 SHALL BE RC-B. INSTALL NEW SHOE MOLDING SIZED TO MATCH EXISTING PROFILE FOLLOWING FLOORING INSTALL. SAND, PREP, AND FINISH EXISTING WOOD BASE AND NEW SHOE MOLDING TO MATCH RC-B.
   WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PROTECT EXISTING WINDOW CASING AND TRIM TO REMAIN. SKIM-COAT, PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL WALL SURFACES, INCLUDING EXISTING PAINTED WINDOW AND DOOR TRIM, THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT. WALL PAINT COLOR LIMITED TO VERTICAL SURFACES ONLY - CEILINGS SHALL BE PAINTED FLAT WHITE.
   CEILING: SEE CEILING WORK IN NOTE #2 ABOVE.
7. **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING VCT FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. RESURFACE EXISTING SLAB , PREPARE, AND INSTALL NEW VCT FLOORING AND RUBBER WALL BASE PER MANUFACTURER'S RECOMMENDATIONS.
   STAIRS: PROTECT EXISTING STAIRS, STRINGERS, AND RAILINGS TO REMAIN. PREP, SAND, PRIME, AND PAINT ALL EXISTING PAINTED STAIR PANS, STRINGERS, AND RAILINGS WITH (2) FINISH COATS OF PAINT.
   WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING.
   CEILING: PROTECT EXISTING HARD CEILING, SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES. PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
8. **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING FLOORING AND SHOE MOLDING, THROUGHOUT ENTIRE SPACE, DOWN TO BARE FLOOR JOISTS. PROTECT EXISTING WALLS, WALL BASE, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. INSTALL NEW FLOOR JOISTS, SISTERED TO EXISTING JOISTS, CONSTRUCTED TO CREATE A LEVEL AND EVEN PLANE, AND INSTALL NEW SUB-FLOORING THROUGHOUT ENTIRE SPACE. PREPARE NEW SUB-FLOORING AND INSTALL NEW CARPET TILE THROUGHOUT PER MANUFACTURER'S RECOMMENDATIONS. INSTALL NEW WOOD SHOE MOLDING STAINED TO MATCH EXISTING BUILT-IN CABINETRY IN OFFICE 205. REFER TO STRUCTURAL DRAWINGS.
   WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO UNDERSIDE OF FINISHED CEILING.
   CEILING: SEE CEILING WORK IN NOTE #2 ABOVE.
9. REMOVE EXISTING HAND SINK AND ASSOCIATED PLUMBING SUPPLY AND SANITARY LINES IN THEIR ENTIRETY. CAP ALL DOMESTIC AND SANITARY CONNECTIONS BEHIND THE WALL - PATCH AND PAINT EXISTING WALL TO MATCH ADJACENT CONSTRUCTION. INSTALL NEW FLOOR REGISTER PER MECHANICAL DRAWINGS. PROTECT EXISTING SERVER, NETWORK, AND SECURITY DEVICES AND SYSTEMS TO REMAIN. COORDINATE WITH OWNER WHEN DEMOLISHING FINISHES WITHIN SPACE TO ENSURE ALL SECURITY PROTOCOLS ARE ABIDED BY. PROVIDE NEW STATIC DISSIPATIVE VCT WITH GROUNDING MAT PER MANUFACTURER'S RECOMMENDATIONS. SEE FINISH SCHEDULE.
10. SELECTIVELY DEMOLISH EXISTING WINDOW IN ITS ENTIRETY - PROTECT EXISTING INTERIOR AND EXTERIOR WINDOW CASING AND TRIM TO REMAIN. PROVIDE AND INSTALL NEW TRIPLE PANE, INSULATED, VINYL WINDOW UNITS - SIZED TO FIT EXISTING ROUGH OPENINGS AND CONFIGURATIONS. SEE WINDOW SCHEDULE AND TYPES ON SHEET A601. CAULK ENTIRE PERIMETER OF NEW WINDOW - BOTH INTERIOR AND EXTERIOR. TOUCH-UP PAINT EXISTING TRIM, SIDING, CASING FOLLOWING INSTALLATION.
11. REMOVE AND DISPOSE OF EXISTING STAIR CARPET DOWN TO BARE TREADS AND RISERS. INSTALL NEW CARPET AND PROTECTIVE STAIR NOSE STRIP ON ALL THREADS. SAND, PRIME, AND PAINT ALL RISERS WITH (2) FINISH COATS OF PAINT. PROTECT EXISTING WOOD STRINGERS, HANDRAIL, AND CAP.
12. REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE IN THEIR ENTIRETY; PROTECT EXISTING DOOR FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. PROVIDE AND INSTALL NEW DOOR AND HARDWARE PER DOOR SCHEDULE ON A601. NEW DOORS SHALL BE PROVIDED WITH 3/4" UNDERCUT AT NEW FLOOR FINISHES PER FINISH SCHEDULE.
13. REMOVE AND SALVAGE EXISTING HARDWARE TO BE REUSED. PROTECT EXISTING DOOR AND FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. CLEAN AND REINSTALL EXISTING HARDWARE TO MATCH EXISTING CONFIGURATION.
14. **FLOOR:** REMOVE ALL EXISTING FLOOR TILE DOWN TO EXISTING SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS. PROTECT EXISTING WOOD BASE TO REMAIN. PROVIDE AND INSTALL NEW PLYWOOD SUBFLOORING THROUGHOUT ENTIRE SPACE. INSTALL NEW WALK-OFF CARPET TILE THROUGHOUT ENTIRE SPACE PER FINISH SCHEDULE.
   WALLS: PROTECT EXISTING DOOR FRAMES AND SIDELITES TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAMES WITH (2) FINISH COATS OF PAINT. PROTECT EXISTING FEATURE WALL AND WOOD PANELS TO REMAIN. PROTECT, RECONFIGURE, AND INSTALL NEW FIRE CONTROL PANELS PER FIRE PROTECTION PLANS. REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PREP, SKIM-COAT, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT.
   CEILING: SEE CEILING WORK IN NOTE #2 ABOVE.
15. PROTECT EXISTING THRU-WALL MECHANICAL UNIT TO REMAIN. PROVIDE AND INSTALL NEW EXTERIOR TRIM WITH NEW FLASHING TIED-IN TO EXISTING WALL SLEEVE. INSTALLED WITH POSITIVE DRAINAGE AWAY FROM THE STRUCTURE AND MECHANICAL UNIT.
16. DEMOLISH EXISTING BUILT-IN DESK, CABINETS, AND ROLL-UP DOOR IN THEIR ENTIRETY. CONSTRUCT NEW GYPSUM WALLBOARD ON 2x4 FIRE RATED KNEE WALL WITH BUILT-IN PLASTIC LAMINATE CABINETS AND SOLID SURFACE COUNTERTOP. SEE PLAN AND ELEVATIONS 7 & 8 ON A402.
17. DEMOLISH EXISTING DOOR AND FRAME IN THEIR ENTIRETY BACK TO FRAMED ROUGH-OPENING. CONSTRUCT NEW WALL INFILL (WALL TYPE D - SEE G101) AT ABANDONED DOORWAY AND FINISH TO MATCH ADJACENT WALL SURFACES. PROVIDE AND INSTALL NEW WOOD WALL BASE AND SHOE MOLDING TO MATCH EXISTING IN GREAT ROOM 201; STAINED AND FINISHED TO MATCH EXISTING.

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STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

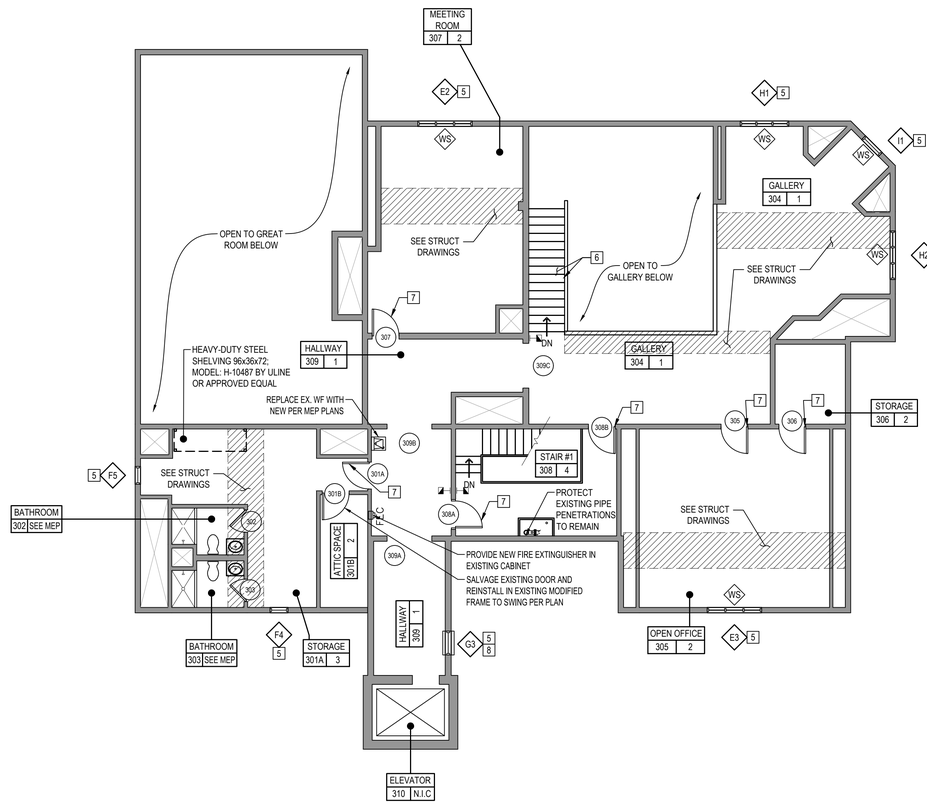
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK
		DRAWN BY: JM	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
		CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.33OF 73	VISITOR CENTER - FIRST FLOOR REFLECTED CEILING PLAN
		PROJECT NO. P584600	A105
		CONTRACT NO. P584608	



VISITOR CENTER - SECOND FLOOR PLAN

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

GENERAL NOTE:

WS PROVIDE WINDOW SHADES WHERE INDICATED.

SECOND FLOOR NUMBERED PLAN NOTES:

LEGEND:

ROOM NUMBER → ROOM | 000 | 1,2,3 ← NUMBERED PLAN NOTES — ROOM NAME

12 NUMBERED PLAN NOTES

1 **FLOORS:** REMOVE ALL EXISTING CARPET. SAWCUT AND REMOVE EXISTING SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS. PROTECT EXISTING WOOD BASE TO REMAIN. REMOVE SHOE MOLDING IN PREPARATION FOR NEW CARPET TILES. INFILL EXISTING SUBFLOORING FLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE WITH NO LIPS OR EDGES AT ADJACENT SURFACE. PREP EXISTING FLOOR SURFACE TO RECEIVE NEW CARPET TILE THROUGHOUT ENTIRE SPACE. INSTALL NEW SHOE MOLDING SIZED TO MATCH EXISTING PROFILE FOLLOWING CARPET TILE INSTALL; COLOR TO MATCH EXISTING WOOD WALL BASE.
WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PROTECT EXISTING WINDOW CASING AND TRIM TO REMAIN. SKIM-COAT, PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL WALL SURFACES, INCLUDING EXISTING PAINTED WINDOW AND DOOR TRIM, THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT. WALL PAINT COLOR LIMITED TO VERTICAL SURFACES ONLY - CEILINGS SHALL BE PAINTED FLAT WHITE. PROTECT EXISTING KNEE WALL AND WOOD CAP TO REMAIN.
CEILING: PROTECT EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. PROTECT EXISTING HARD CEILINGS TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW 1/2" GYPSUM WALLBOARD CEILING THROUGHOUT ENTIRE SPACE. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL HARD CEILINGS WITH (2) FINISH COATS OF PAINT.

2 **FLOORS:** REMOVE AND DISPOSE OF ALL EXISTING VCT FLOORING AND WALL BASE, THROUGHOUT ENTIRE SPACE, DOWN TO BARE SUB-FLOORING. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. SAWCUT AND REMOVE EXISTING SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS. INFILL EXISTING SUBFLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE WITH NO LIPS OR EDGES AT ADJACENT SURFACE. PREP EXISTING FLOOR SURFACE TO RECEIVE NEW VCT TILE THROUGHOUT ENTIRE SPACE. INSTALL NEW RESILIENT WALL BASE THROUGHOUT
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STORAGE ROOMS 301B & 306: REPAIR MISSING FIBERGLASS INSULATION, INSTALL 5/8" GYPSUM WALLBOARD (PAINTED). INSTALL NEW POWER AND LIGHTING CONTROLS PER ELECTRICAL NEW WORK PLANS.
CEILING: PROTECT EXISTING HARD CEILING, SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES. PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LIGHTING FIXTURES AND CONTROLS CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PATCH, PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.

3 **FLOORS:** SEE FLOOR WORK IN NOTE #2 ABOVE. INSTALL NEW COMMERICIAL SHELVING SYSTEM PER PLANS - ANCHORED TO FLOOR AND WALLS.
WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO UNDERSIDE OF FINISHED CEILING.
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4 **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. RESURFACE EXISTING SLAB , PREPARE, AND INSTALL NEW VCT FLOORING AND RUBBER WALL BASE PER MANUFACTURER'S RECOMMENDATIONS.
STAIRS: PROTECT EXISTING STAIRS, STRINGERS, AND RAILINGS TO REMAIN. PREP, SAND, PRIME, AND PAINT ALL EXISTING PAINTED STAIR PANS, STRINGERS, AND RAILINGS WITH (2) FINISH COATS OF PAINT.
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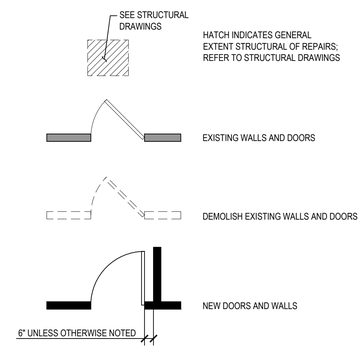
6 REMOVE AND DISPOSE OF EXISTING STAIR CARPET DOWN TO BARE TREADS AND RISERS. INSTALL NEW CARPET AND PROTECTIVE STAIR NOSE STRIP ON ALL THREADS. SAND, PRIME, AND PAINT ALL RISERS WITH (2) FINISH COATS OF PAINT. PROTECT EXISTING WOOD STRINGERS, HANDRAIL, AND CAP.

7 REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE IN THEIR ENTIRETY; PROTECT EXISTING DOOR FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. PROVIDE AND INSTALL NEW DOOR AND HARDWARE PER DOOR SCHEDULE ON A601. NEW DOORS SHALL BE PROVIDED WITH 3/4" UNDERCUT AT NEW FLOOR FINISHES PER FINISH SCHEDULE.

8 PROTECT EXISTING THRU-WALL MECHANICAL UNIT TO REMAIN. PROVIDE AND INSTALL NEW EXTERIOR TRIM WITH NEW FLASHING TIED-IN TO EXISTING WALL SLEEVE, INSTALLED WITH POSITIVE DRAINAGE AWAY FROM THE STRUCTURE AND MECHANICAL UNIT.



SYMBOL LEGEND

SCALE: NTS

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

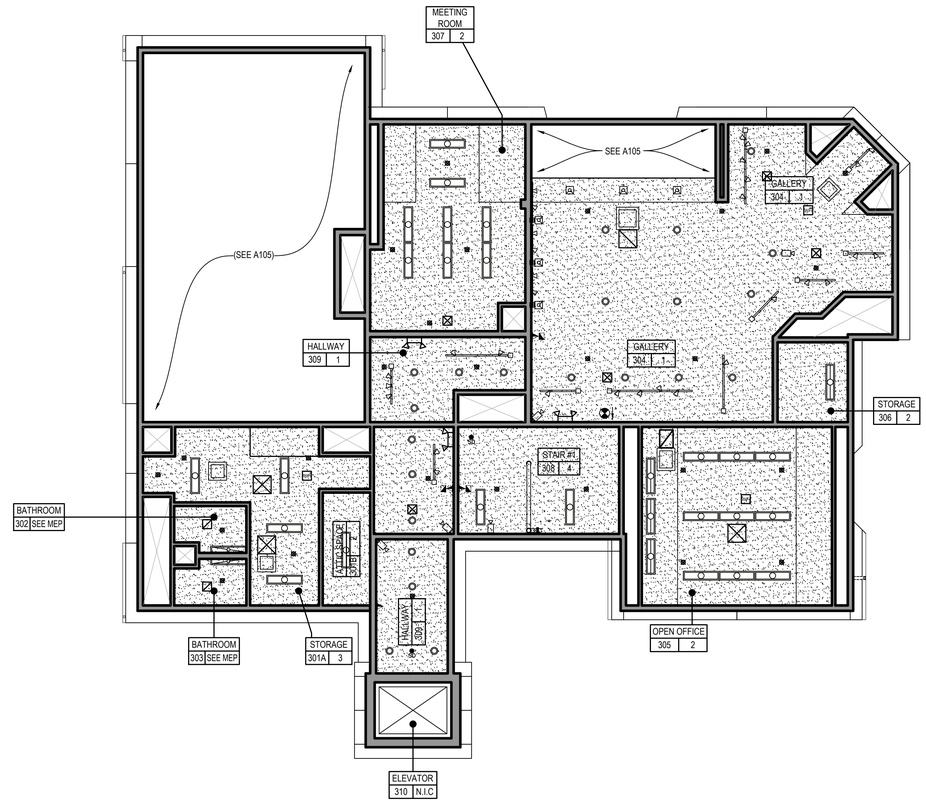
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
		DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.34 OF 73	VISITOR CENTER SECOND FLOOR PLAN
		PROJECT NO. P584600	A106
		CONTRACT NO. P584608	



VISITOR CENTER - SECOND FLOOR REFLECTED CEILING PLAN

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

SECOND FLOOR NUMBERED PLAN NOTES:

LEGEND:

ROOM NUMBER — ROOM | 000 | 1,2,3 — ROOM NAME; NUMBERED PLAN NOTES

12 — NUMBERED PLAN NOTES

1 **FLOORS:** REMOVE ALL EXISTING CARPET. SAWCUT AND REMOVE EXISTING SUBFLOORING AS REQUIRED FOR NEW STRUCTURAL REPAIRS. PROTECT EXISTING WOOD BASE TO REMAIN. REMOVE SHOE MOLDING IN PREPARATION FOR NEW CARPET TILES. INFILL EXISTING SUBFLOORING FLOORING WHERE REMOVED FOR STRUCTURAL REPAIRS AND CREATE A SMOOTH SURFACE WITH NO LIPS OR EDGES AT ADJACENT SURFACE. PREP EXISTING FLOOR SURFACE TO RECEIVE NEW CARPET TILE THROUGHOUT ENTIRE SPACE. INSTALL NEW SHOE MOLDING SIZED TO MATCH EXISTING PROFILE FOLLOWING CARPET TILE INSTALL; COLOR TO MATCH EXISTING WOOD WALL BASE.
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3 **FLOORS:** SEE FLOOR WORK IN NOTE #2 ABOVE. INSTALL NEW COMMERICIAL SHELVING SYSTEM PER PLANS - ANCHORED TO FLOOR AND WALLS.
WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO UNDERSIDE OF FINISHED CEILING.
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STAIRS: PROTECT EXISTING STAIRS, STRINGERS, AND RAILINGS TO REMAIN. PREP, SAND, PRIME, AND PAINT ALL EXISTING PAINTED STAIR PANS, STRINGERS, AND RAILINGS WITH (2) FINISH COATS OF PAINT.
WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING.
CEILING: PROTECT EXISTING HARD CEILING, SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES. PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, CONTROLS, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.

5 SELECTIVELY DEMOLISH EXISTING WINDOW IN ITS ENTIRETY - PROTECT EXISTING INTERIOR AND EXTERIOR WINDOW CASING AND TRIM TO REMAIN. PROVIDE AND INSTALL NEW TRIPLE PANE, INSULATED, VINYL WINDOW UNITS - SIZED TO FIT EXISTING ROUGH OPENINGS AND CONFIGURATIONS. SEE WINDOW SCHEDULE AND TYPES ON SHEET A601. CAULK ENTIRE PERIMETER OF NEW WINDOW - BOTH INTERIOR AND EXTERIOR. TOUCH-UP PAINT EXISTING TRIM, SIDING, CASING FOLLOWING INSTALLATION.

6 REMOVE AND DISPOSE OF EXISTING STAIR CARPET DOWN TO BARE TREADS AND RISERS. INSTALL NEW CARPET AND PROTECTIVE STAIR NOSE STRIP ON ALL THREADS. SAND, PRIME, AND PAINT ALL RISERS WITH (2) FINISH COATS OF PAINT. PROTECT EXISTING WOOD STRINGERS, HANDRAIL, AND CAP.

7 REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE IN THEIR ENTIRETY; PROTECT EXISTING DOOR FRAME TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. PROVIDE AND INSTALL NEW DOOR AND HARDWARE PER DOOR SCHEDULE ON A601. NEW DOORS SHALL BE PROVIDED WITH 3/4" UNDERCUT AT NEW FLOOR FINISHES PER FINISH SCHEDULE.

8 PROTECT EXISTING THRU-WALL MECHANICAL UNIT TO REMAIN. PROVIDE AND INSTALL NEW EXTERIOR TRIM WITH NEW FLASHING TIED-IN TO EXISTING WALL SLEEVE, INSTALLED WITH POSITIVE DRAINAGE AWAY FROM THE STRUCTURE AND MECHANICAL UNIT.

RCP SYMBOL LEGEND:

- X'-X" CEILING HEIGHT
- A — NEW 2X2 SUSPENDED ACOUSTICAL LAY IN CEILING TYPE 'A'
- B — NEW 2X2 SUSPENDED ACOUSTICAL LAY IN CEILING TYPE 'B'
- EXISTING CEILING TO REMAIN (U.O.N.); PREP & PAINT W/ (2) FINISH COATS
- REMOVE EXISTING GWB CEILING AND INSTALL NEW PAINTED GWB CEILING
- WiFi NODE
- DATA JACK
- SPEAKER
- CEILING MOUNTED CAMERA
- EMERGENCY LED WALL PACK
- SMOKE DETECTOR
- WALL MOUNTED LED UP & DOWN LIGHT
- WALL MOUNTED LED DOWN LIGHT
- DIRECTIONAL LED TRACK LIGHTS
- LED PORTRAIT TRACK LIGHTS
- WALL MOUNTED STROBE
- FIRE PULL STATION
- LAY-IN 2x2 LED LIGHT FIXTURE
- LAY-IN 2x4 LED LIGHT FIXTURE
- RECESSED 1X4 LED LIGHT FIXTURE
- SURFACE 1X4 LED LIGHT FIXTURE
- WALL MOUNTED LED LIGHT FIXTURE
- RECESSED LED DOWNLIGHT
- LED EXIT SIGN
- RETURN GRILLE
- SUPPLY GRILLE
- ACCESS PANEL
- SPRINKLER HEAD
- SEMI-RECESSED LED DOWN LIGHT
- INTERIOR LED WALL SCONCE
- ORNATE EXTERIOR WALL SCONCE; PROVIDE NEW SIDING BASE PLATE
- EXTERIOR LED WALL PACK; PROVIDE NEW SIDING BASE PLATE

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

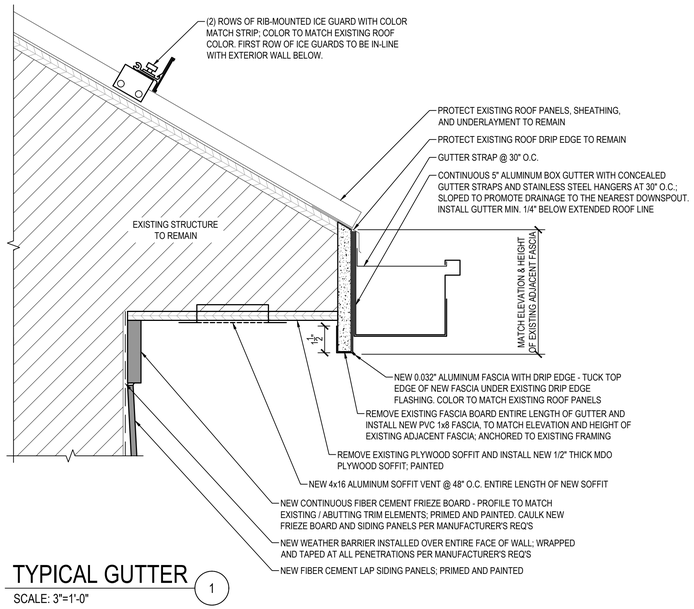
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

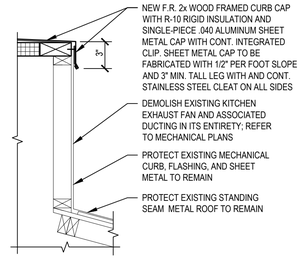
DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK — FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS — 600 QUIET WATERS PARK RD — ANNAPOLIS, MD 21403
		DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.35OF 73	VISITOR CENTER - SECOND FLOOR REFLECTED CEILING PLAN
		PROJECT NO. P584600	A107
		CONTRACT NO. P584608	



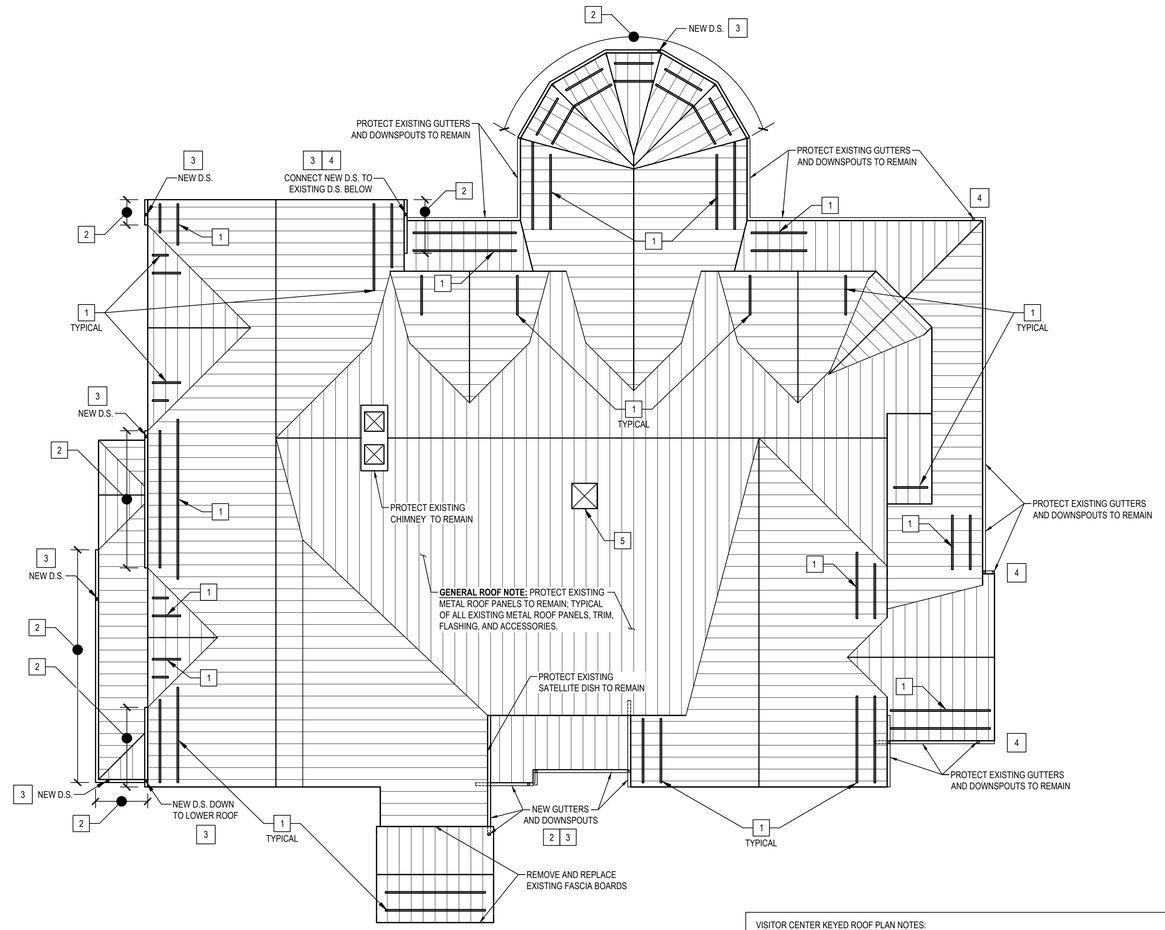
TYPICAL GUTTER (1)

SCALE: 3"=1'-0"



EXHAUST FAN CURB (2)

SCALE: 1-1/2"=1'-0"



VISITOR CENTER - ROOF PLAN

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

VISITOR CENTER KEYED ROOF PLAN NOTES:

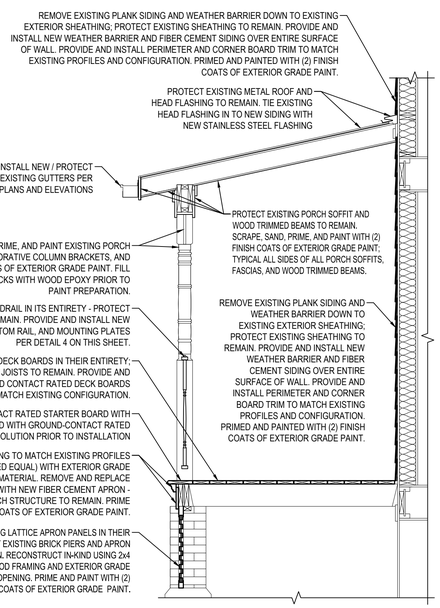
1 (SYMBOL) INSTALL (2) ROWS OF NEW NON-PENETRATING, FACTORY FINISHED ALUMINUM, RIB-MOUNTED SNOW RAILS WITH STAINLESS STEEL SET SCREWS ATTACHED TO EXISTING STANDING SEAM METAL ROOF PANELS. COLOR TO MATCH EXISTING ROOF PANELS FROM AVAILABLE STANDARD COLORS. INSTALL FIRST ROW OF SNOW GUARDS IN-LINE WITH FACE OF EXTERIOR WALL BELOW. SECOND ROW OF SNOW GUARDS SHALL BE OFFSET 24" UP FROM FIRST ROW. PROTECT EXISTING STANDING SEAM METAL ROOF PANELS, FLASHING AND ASSOCIATED TRIM TO REMAIN.

2 REMOVE EXISTING WOOD FASCIA BOARD AND REPLACE WITH NEW METAL CLAD PVC FASCIA BOARD SIZED TO MATCH EXISTING. PROVIDE AND INSTALL NEW CONTINUOUS 5" WIDE PAINTED ALUMINUM BOX GUTTER WITH END CAPS AND HEAVY DUTY GUTTER HANGERS AT 30" O.C. AND CONCEALED FASTENER CLIPS AT 30" O.C. STAGGERED 15" FROM HANGER SPACING. MAX. SLOPE GUTTER TOWARDS NEW DOWNSPOUTS PER PLANS. EDGE OF GUTTER TO BE INSTALLED 1/4" BELOW EXTENSION OF ROOF SLOPE. COLOR TO MATCH EXISTING GUTTERS FROM MANUFACTURER'S STANDARD COLOR OPTIONS. FABRICATE AND INSTALL SPLASH GUARDS WHERE VALLEYS TERMINATE AT GUTTER; COLOR TO MATCH GUTTER. PROTECT EXISTING STANDING SEAM METAL ROOF PANELS, FLASHING AND ASSOCIATED TRIM TO REMAIN. SEE DETAIL #1 ON SHEET A108.

3 INSTALL NEW DOWNSPOUT ANCHORED TO WALL WITH (2) ANCHORS FOR EVERY (10) FEET OF DOWNSPOUT. PROVIDE NEW 12"x24" CONCRETE SPLASH BLOCK AT EACH DOWNSPOUT - INSTALLED TO PROMOTE DRAINAGE AWAY FROM EXISTING FOUNDATION WALLS.

4 PROVIDE NEW 12"x24" CONCRETE SPLASH BLOCK AT EXISTING DOWNSPOUT - INSTALLED TO PROMOTE DRAINAGE AWAY FROM EXISTING FOUNDATION WALLS.

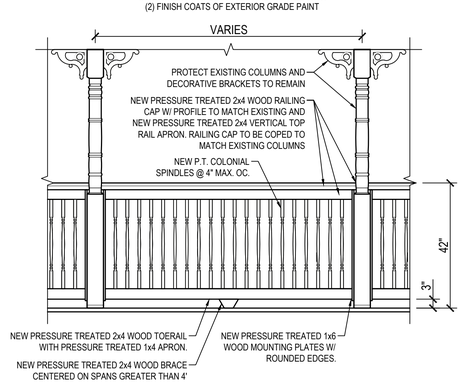
5 DEMOLISH EXISTING KITCHEN EXHAUST FAN AND ASSOCIATED WIRING IN THEIR ENTIRETY; SEE MECHANICAL AND ELECTRICAL PLANS. PROTECT EXISTING MECHANICAL CURB, FLASHING, AND ADJACENT ROOF PANELS TO REMAIN. FABRICATE AND INSTALL AN INSULATED, WEATHERTIGHT CURB CAP TO SEAL MECHANICAL CURB FOLLOWING EXHAUST FAN REMOVAL. PRIME AND PAINT CURB CAP TO MATCH EXISTING ROOF PANELS WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT. SEE DETAIL #2 ON SHEET A108.



TYPICAL PORCH SECTION (3)

SCALE: 1/2"=1'-0"

GENERAL NOTE: ALL NEW AND EXISTING COMPONENTS TO BE PRIMED AND PAINTED WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT



TYPICAL PORCH GUARDRAIL (4)

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

RRMM ARCHITECTS, PC
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Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

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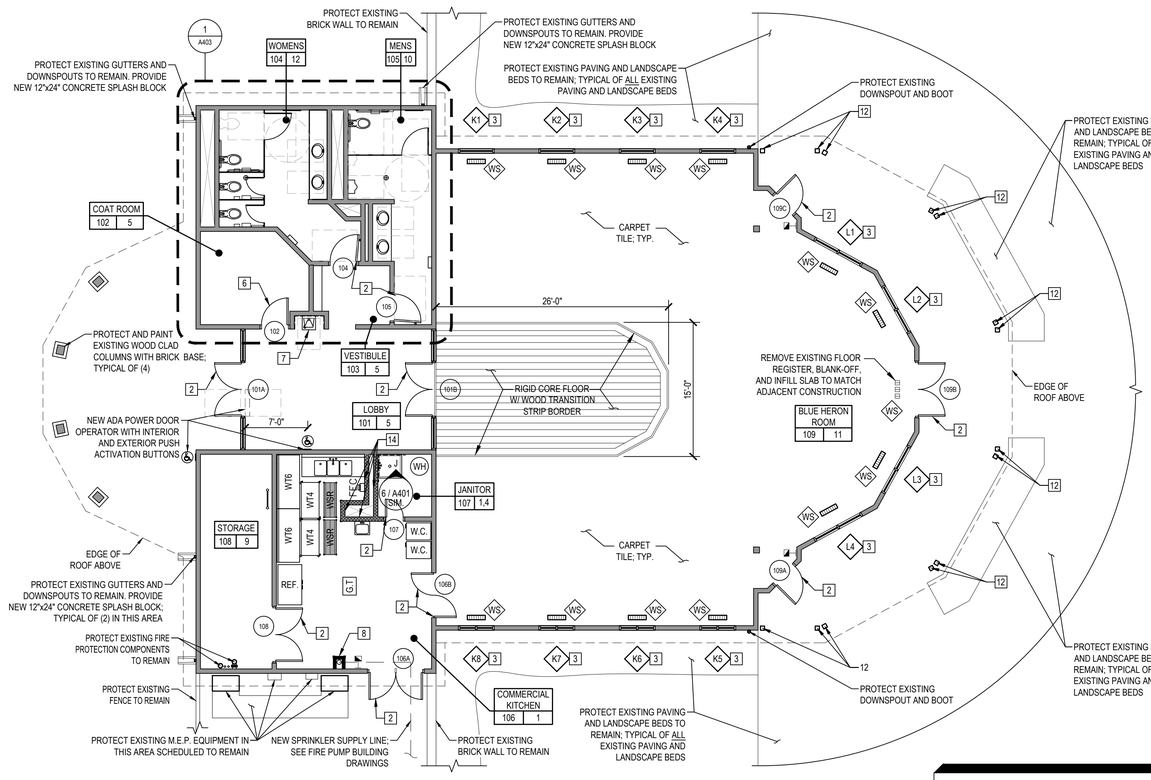
NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
		DRAWN BY: JM	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
CHIEF ENGINEER	PROJECT MANAGER	CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE	APPROVED DATE	SHEET NO.36 OF 73	
		PROJECT NO. P584600	VISITOR CENTER - ROOF PLAN
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. P584608	A108



BLUE HERON - FLOOR PLAN

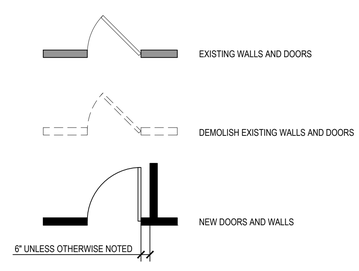
SCALE: 1/8"=1'-0"

BASIS OF DESIGN FOR COMMERCIAL KITCHEN EQUIPMENT:

REF.	MANUFACTURER: AVANTCO	MODEL: A-49R-HC 54"
W.C.	MANUFACTURER: AVANTCO	MODEL: HEAT-1836I
WSR	MANUFACTURER: REGENCY	MODEL: 460EC1836BKC
WT6	MANUFACTURER: REGENCY	MODEL: 600TSB3072S
WT4	MANUFACTURER: REGENCY	MODEL: 600T2448GC

GENERAL NOTE:

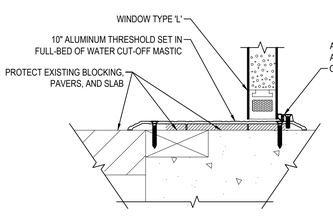
WS PROVIDE WINDOW SHADES WHERE INDICATED.



SYMBOL LEGEND

SCALE: NTS

NOTE: PROTECT, SAND, PRIME, AND PAINT EXISTING PARTING RAILS TO REMAIN



B.H. WINDOW TYPE 'L' & DOOR 109B THRESHOLD (1)

SCALE: 3"=1'-0"

BLUE HERON NUMBERED PLAN NOTES:

LEGEND: ROOM NUMBER — ROOM | 000 | 1,2,3 — ROOM NAME; NUMBERED PLAN NOTES; 12 NUMBERED PLAN NOTES

1. DEMOLISH EXISTING COUNTERTOP AND BASE CABINETS IN THEIR ENTIRETY. DEMOLISH EXISTING WIRE SHELVING AND WALL MOUNTED LEDGER BOARDS ABOVE LAMINATE COUNTERTOP; PROTECT EXISTING WIRE SHELVING, LEDGER BOARDS. STAINLESS STEEL SINK AND HAND SINK TO REMAIN. PROVIDE AND ASSEMBLE (2) 18"x48"x72" PORTABLE WIRE SHELVING RACKS (WSR), (2) 24"x48" STAINLESS STEEL PORTABLE WORK TABLES (WT4), (2) 30"x72" STAINLESS STEEL WORK TABLES (WT6), (1) FULL-SIZED INSULATED HEATED WARMING CABINET (WC), AND (1) 54" WIDE TWO-SECTION REACH-IN COMMERCIAL GRADE REFRIGERATOR (REF.); SEE ELECTRICAL AND MECHANICAL, AND PLUMBING NEW WORK PLANS.
   FLOOR: REMOVE AND DISPOSE OF ALL EXISTING TILE FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. SAW CUT EXISTING SLAB AS NEEDED TO INSTALL NEW SPRINKLER LINE; INFILL PER STRUCTURAL DRAWINGS. RESURFACE EXISTING SLAB WITH SELF-LEVELER, PREPARE, AND INSTALL NEW EPOXY FLOORING AND WALL BASE SYSTEM PER MANUFACTURER'S REQUIREMENTS. RAISE EXISTING FLOOR DRAINS AND GREASE TRAP (G.T.) LID TO BE FLUSH WITH NEW FLOORING. PROVIDE AND INSTALL NEW FLOOR DRAIN COVER.
   WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. INSTALL 48" TALL STAINLESS STEEL CORNER GUARDS AT ALL CORNERS WITHIN KITCHEN (TYPICAL OF (4)). PROVIDE AND INSTALL NEW FIRE EXTINGUISHER PER FIRE PROTECTION PLANS.
   CEILING: DEMOLISH EXISTING ACOUSTICAL LAY-IN CEILING, GRID, AND ALL ASSOCIATED SUPPORTS. PROTECT ALL EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES TO BE REINSTALLED IN NEW CEILING; DEVICES TO BE INSTALLED CENTERED IN NEW TILES. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, SWITCHES, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LAY-IN CEILING TILES, GRIDS, AND SUPPORTS AS PER PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
2. REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE IN THEIR ENTIRETY; PROTECT EXISTING DOOR FRAME AND INTERIOR TRIM TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. PROVIDE AND INSTALL NEW DOOR AND HARDWARE PER DOOR SCHEDULE ON A601. NEW DOORS SHALL BE PROVIDED WITH 3/4" UNDERCUT AT NEW FLOOR FINISHES PER FINISH SCHEDULE. PROVIDE NEW EXTERIOR TRIM TO MATCH EXISTING CONFIGURATION.
3. SELECTIVELY DEMOLISH EXISTING WINDOW AND EXTERIOR TRIM IN ITS ENTIRETY - PROTECT EXISTING INTERIOR WINDOW CASING AND TRIM TO REMAIN. PROVIDE AND INSTALL NEW INSULATED, VINYL CLAD WINDOW UNITS - SIZED TO FIT EXISTING ROUGH OPENINGS AND CONFIGURATIONS. SEE WINDOW SCHEDULE AND TYPES ON SHEET A601. CAULK ENTIRE PERIMETER OF NEW WINDOW - BOTH INTERIOR AND EXTERIOR. TOUCH-UP PAINT EXISTING TRIM FOLLOWING INSTALLATION. PROVIDE AND INSTALL NEW WINDOW SHADES PER PLANS AND DETAILS.
4. DEMOLISH EXISTING FLOOR SINK, FAUCET, AND WALL MOUNTED SHELVING IN THEIR ENTIRETY - PROTECT EXISTING DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW JANITOR CLOSET LAYOUT PER ENLARGED FLOOR PLAN #1 ON SHEET A404. DEMOLISH EXISTING WALL TILE FROM ENTIRE FACE OF WALL BEHIND AND ADJACENT MOP SINK; PROTECT EXISTING PLUMBING ROUGH-INS AND BACKER BOARD. GRIND AND SMOOTH SURFACE DOWN TO SOUND MATERIAL AND CREATE A SMOOTH SURFACE FOR FRP PANEL FINISH SYSTEM ON BOTH WALLS. INSTALL NEW FRP PANEL FINISH SYSTEM OVER AREA WHERE EXISTING WALL TILES WERE REMOVED; EXTEND PANEL COVERAGE TO 3" BEYOND EXISTING TILE COVERAGE. CAULK ENTIRE PERIMETER OF FPR PANEL FINISH SYSTEM, MOP SINK, AND FAUCET. SEE ELEVATION #6 ON SHEET A401 FOR SIMILAR.
5. **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING TILE FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. RESURFACE EXISTING SLAB WITH SELF-LEVELER, PREPARE, AND INSTALL NEW CERAMIC FLOOR TILE AND WALL BASE PER MANUFACTURER'S RECOMMENDATIONS.
   WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PROTECT EXISTING WINDOW CASING AND TRIM TO REMAIN. SKIM-COAT, PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL WALL SURFACES, INCLUDING EXISTING PAINTED WINDOW AND DOOR TRIM, THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT.
   CEILING: DEMOLISH EXISTING ACOUSTICAL LAY-IN CEILING, GRID, AND ALL ASSOCIATED SUPPORTS. PROTECT ALL EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES TO BE REINSTALLED IN NEW CEILING; DEVICES TO BE INSTALLED CENTERED IN NEW TILES. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, SWITCHES, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LAY-IN CEILING TILES, GRIDS, AND SUPPORTS AS PER PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
6. SELECTIVELY DEMOLISH EXISTING WALL PARTITION AS NEEDED TO CREATE NEW ROUGH-OPENING SIZED TO INSTALL A NEW 3'-0" WIDE DOOR WITH HOLLOW METAL FRAME; SEE DOOR SCHEDULE ON SHEET A603. REPAIR BASE TILES AS NEEDED FOLLOWING INSTALLATION OF NEW DOOR 102.
7. INVESTIGATE PRESENCE OF ABANDONDED CONNECTIONS BEHIND WALL PRIOR TO ORDERING NEW FOUNTAIN. PROVIDE AND INSTALL NEW ADA ACCESSIBLE WATER BOTTLE FILLER FOUNTAIN HANGER IN EXISTING WALL NICHE. PROVIDE AND INSTALL NEW DOMESTIC WATER SUPPLY, SANITARY, AND POWER CONNECTIONS CONNECTED TO EXISTING SYSTEMS; SEE MECHANICAL, PLUMBING, AND ELECTRICAL NEW WORK PLANS. INSTALL 54" TALL STAINLESS STEEL PROTECTIVE WALL COVERING ON ALL (3) SIDES OF EXISTING WALL NICHE FLUSH WITH TOP OF EXISTING BASE. INSTALL NEW BOTTLE FILLER FOUNTAIN AT ADA COMPLIANT HEIGHT, CENTERED WITHIN EXISTING WALL NICHE; PROVIDE AND INSTALL ADDITIONAL FIRE-RATED 2x6 BLOCKING AS NEEDED WITHIN EXISTING WALL CAVITY. PATCH EXISTING WALL TO MATCH ADJACENT WALL CONSTRUCTION FOLLOWING INSTALLATION OF NEW BOTTLE FILLER FOUNTAIN. SEE ELEVATION #4 ON SHEET A403.
8. CONSTRUCT 5/8" GWB ON 3-5/8" (20) GAUGE METAL STUDS (WALL TYPE C - SEE G101) ANCHORED TO EXISTING SLAB AND WALLS, FROM FLOOR TO 6" ABOVE FINISHED CEILING, TIGHT TO NEW 6" WATER LINE. INSTALL NEW SPRINKLER LINE TIGHT TO EXISTING WALLS UNTIL UP ABOVE FINISHED CEILING. NEW SPRINKLER LINE TO BE BROUGHT INTO THE BUILDING UNDER DOOR #106A. SAW-CUT AND PATCH EXISTING CONSTRUCTION PER STRUCTURAL DRAWINGS.
9. **FLOOR:** SEE FLOOR WORK IN NOTE #1 ABOVE.
   WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. SECURE EXISTING METAL ACCESS LADDER TO EXISTING WALL USING NEW STEEL BRACKETS.
   CEILING: DEMOLISH EXISTING ACOUSTICAL LAY-IN CEILING, GRID, AND ALL ASSOCIATED SUPPORTS. PROTECT ALL EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES TO BE REINSTALLED IN NEW CEILING; DEVICES TO BE INSTALLED CENTERED IN NEW TILES. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, SWITCHES, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LAY-IN CEILING TILES, GRIDS, AND SUPPORTS AS PER PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
10. DEMOLISH EXISTING TOILET PARTITIONS, ACCESSORIES, PLUMBING FIXTURES, AND COUNTERTOP IN THEIR ENTIRETY - PROTECT EXISTING FINISHES, DOMESTIC WATER SUPPLY, AND SANITARY LINES TO BE RECONFIGURED FOR NEW RESTROOM LAYOUTS PER ENLARGED FLOOR PLAN #1 ON SHEET A404. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
    FLOOR: PROTECT EXISTING EPOXY FLOORING AND WALL BASE TO REMAIN. PATCH AND BLEND WITH NEW EPOXY FLOORING AND BASE TO MATCH EXISTING FOLLOWING NEW WORK SLAB WORK. PROVIDE CHROME BLANK-OFF PLATE AT ALL ABANDONED CONNECTIONS.
    WALLS: PROTECT EXISTING WALL TILE TO REMAIN. PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. PROVIDE CHROME BLANK-OFF PLATE AT ALL ABANDONED CONNECTIONS.
    CEILING: DEMOLISH EXISTING ACOUSTICAL LAY-IN CEILING, GRID, AND ALL ASSOCIATED SUPPORTS. PROTECT ALL EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES TO BE REINSTALLED IN NEW CEILING; DEVICES TO BE INSTALLED CENTERED IN NEW TILES. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES- PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, SWITCHES AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LAY-IN CEILING TILES, GRIDS, AND SUPPORTS AS PER PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
11. **FLOOR:** PROTECT EXISTING WOOD WALL BASE DURING CONSTRUCTION. REMOVE EXISTING CARPET AND DANCE FLOOR FINISHES DOWN TO BARE SUB-FLOOR. PREP EXISTING SUB-FLOOR TO RECEIVE NEW CARPET TILE AND WOOD DANCE FLOOR; DANCE FLOOR TO MATCH EXISTING CONFIGURATION. REMOVE EXISTING FLOOR GRILLES AND REPLACE IN-KIND.
    WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PROTECT EXISTING WINDOW CASING, TRIM, AND CHAIR RAIL TO REMAIN. SKIM-COAT, PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL WALL SURFACES, INCLUDING EXISTING PAINTED WINDOW AND DOOR TRIM, THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT.
    CEILING: PROTECT EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES SCHEDULED TO REMAIN. PROTECT EXISTING HARD CEILINGS TO REMAIN. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, SWITCHES, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL HARD CEILINGS WITH (2) FINISH COATS OF PAINT.
12. DEMOLISH EXISTING TOILET PARTITIONS, ACCESSORIES, PLUMBING FIXTURES, AND COUNTERTOP IN THEIR ENTIRETY - PROTECT EXISTING FINISHES, DOMESTIC WATER SUPPLY, AND SANITARY LINES TO BE RECONFIGURED FOR NEW RESTROOM LAYOUTS PER ENLARGED FLOOR PLAN #1 ON SHEET A404. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
    FLOOR: SAWCUT EXISTING SLAB AS NEEDED TO RECONFIGURE PLUMBING CONNECTIONS FOR NEW FIXTURE LAYOUT SHOWN ON PLANS. PROTECT EXISTING EPOXY FLOORING A WALL BASE TO REMAIN. PATCH AND BLEND WITH NEW EPOXY FLOORING AND BASE TO MATCH EXISTING FOLLOWING NEW WORK. PROVIDE CHROME BLANK-OFF PLATE AT ALL ABANDONED CONNECTIONS.
    WALLS: REMOVE EXISTING WALL TILES AT ADA TOILET AS NEEDED TO RELOCATE AND RECONFIGURE EXISTING DOMESTIC SUPPLY FOR NEW FIXTURE LOCATION PER PLANS. INFILL WITH NEW WALL TILES TO MATCH EXISTING TILES ONCE NEW PLUMBING CONNECTIONS HAVE BEEN CONSTRUCTED. PROTECT EXISTING WALL TILES TO REMAIN. PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. PROVIDE CHROME BLANK-OFF PLATE AT ALL ABANDONED CONNECTIONS.
    CEILING: SEE CEILING WORK IN NOTE #10 ABOVE.
13. REMOVE AND REPLACE EXISTING WOOD COLUMNS WITH NEW "COLONIAL" STYLE POLYURETHANE POSTS PER STRUCTURAL DRAWINGS; TYPICAL OF (14) COLUMNS SEE DETAIL #1 ON SHEET A111 PROVIDE AND INSTALL NEW 5-1/2"x5-1/2" 'COLONIAL' STYLE POLYURETHANE COLUMN, MODEL PP6X36 BY FYPON (OR APPROVED EQUAL), CUT TO SIZE TO SUPPORT EXISTING BEARING LOAD. INSTALL PER MANUFACTURER'S RECOMMENDATIONS, ANCHORING BASE TO EXISTING PAVING AND TOP TO UNDERSIDE OF EXISTING PORCH HEADERS. PROVIDE FACTORY TRIM KIT, CAULK, PRIME, AND PAINT WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT. SEE DETAIL #1 ON SHEET A111.
14. REMOVE AND REPLACE FROM FLOOR TO 4'-0" AFF OF EXISTING WATER DAMAGED WALL FINISH WITH NEW TYPE-X GYPSUM WALLBOARD. FEATHER NEW FINISH INTO EXISTING. PRIME AND PAINT.

RRMM ARCHITECTS, PC
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STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21366 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21366, EXPIRATION DATE 01/11/2027."

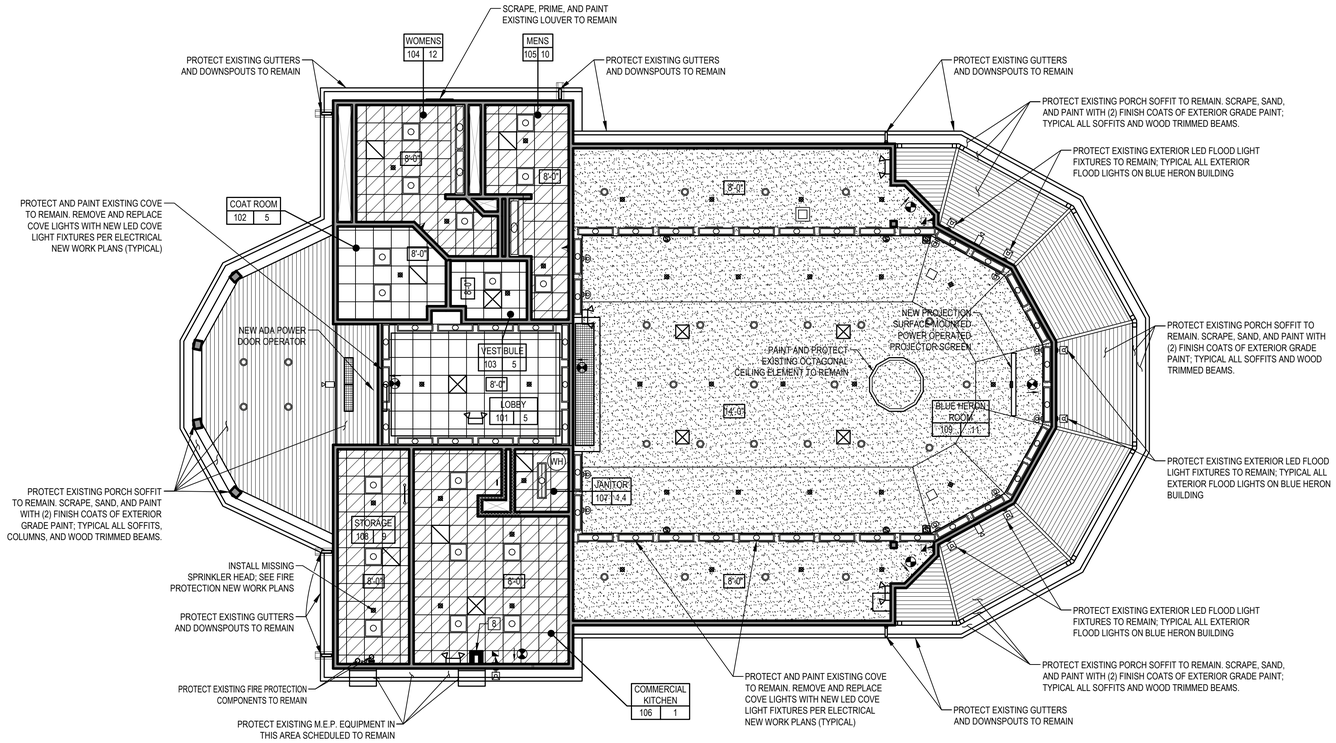
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK — FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS — 600 QUIET WATERS PARK RD — ANNAPOLIS, MD 21403
		DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.37OF 73	BLUE HERON FLOOR PLAN
		PROJECT NO. P584600	A109
		CONTRACT NO. P584608	



BLUE HERON - REFLECTED CEILING PLAN

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

RCP SYMBOL LEGEND:

- X'-X" CEILING HEIGHT
- A — NEW 2X2 SUSPENDED ACOUSTICAL LAY IN CEILING TYPE 'A'
- B — NEW 2X2 SUSPENDED ACOUSTICAL LAY IN CEILING TYPE 'B'
- EXISTING CEILING TO REMAIN (U.O.N.); PREP & PAINT W/ (2) FINISH COATS
- REMOVE EXISTING GWB CEILING AND INSTALL NEW PAINTED GWB CEILING
- WiFi NODE
- DATA JACK
- SPEAKER
- CEILING MOUNTED CAMERA
- EMERGENCY LED WALL PACK
- SMOKE DETECTOR
- WALL MOUNTED LED UP & DOWN LIGHT
- WALL MOUNTED LED DOWN LIGHT
- DIRECTIONAL LED TRACK LIGHTS
- LED PORTRAIT TRACK LIGHTS
- WALL MOUNTED STROBE
- FIRE PULL STATION
- LAY-IN 2x2 LED LIGHT FIXTURE
- LAY-IN 2x4 LED LIGHT FIXTURE
- RECESSED 1X4 LED LIGHT FIXTURE
- SURFACE 1X4 LED LIGHT FIXTURE
- WALL MOUNTED LED LIGHT FIXTURE
- RECESSED LED DOWNLIGHT
- LED EXIT SIGN
- RETURN GRILLE
- SUPPLY GRILLE
- ACCESS PANEL
- SPRINKLER HEAD
- SEMI-RECESSED LED DOWN LIGHT
- INTERIOR LED WALL SCONCE
- ORNATE EXTERIOR WALL SCONCE; PROVIDE NEW SIDING BASE PLATE
- EXTERIOR LED WALL PACK; PROVIDE NEW SIDING BASE PLATE

BLUE HERON NUMBERED PLAN NOTES:

LEGEND: ROOM NUMBER — ROOM 000 1,2,3 — ROOM NAME / NUMBERED PLAN NOTES; 12 — NUMBERED PLAN NOTES

1 DEMOLISH EXISTING COUNTERTOP AND BASE CABINETS IN THEIR ENTIRETY. DEMOLISH EXISTING WIRE SHELVING AND WALL MOUNTED LEDGER BOARDS ABOVE LAMINATE COUNTERTOP; PROTECT EXISTING WIRE SHELVING, LEDGER BOARDS, STAINLESS STEEL SINK AND HAND SINK TO REMAIN. PROVIDE AND ASSEMBLE (2) 18"x48"x72" PORTABLE WIRE SHELVING RACKS (WSR), (2) 24"x48" STAINLESS STEEL PORTABLE WORK TABLES (WT4), (2) 30"x72" STAINLESS STEEL WORK TABLES (WT6), (1) FULL-SIZED INSULATED HEATED WARMING CABINET (WC), AND (1) 54" WIDE TWO-SECTION REACH-IN COMMERCIAL GRADE REFRIGERATOR (REF.); SEE ELECTRICAL AND MECHANICAL, AND PLUMBING NEW WORK PLANS.
FLOOR: REMOVE AND DISPOSE OF ALL EXISTING TILE FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. SAW CUT EXISTING SLAB AS NEEDED TO INSTALL NEW SPRINKLER LINE. INFILL PER STRUCTURAL DRAWINGS. RESURFACE EXISTING SLAB WITH SELF-LEVELER, PREPARE, AND INSTALL NEW EPOXY FLOORING AND WALL BASE SYSTEM PER MANUFACTURER'S REQUIREMENTS. RAISE EXISTING FLOOR DRAINS AND GREASE TRAP (G.T) LID TO BE FLUSH WITH NEW FLOORING. PROVIDE AND INSTALL NEW FLOOR DRAIN COVER.
WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. INSTALL 48" TALL STAINLESS STEEL CORNER GUARDS AT ALL CORNERS WITHIN KITCHEN (TYPICAL OF (4)). PROVIDE AND INSTALL NEW FIRE EXTINGUISHER PER FIRE PROTECTION PLANS.
CEILING: DEMOLISH EXISTING ACOUSTICAL LAY-IN CEILING, GRID, AND ALL ASSOCIATED SUPPORTS. PROTECT ALL EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES TO BE REINSTALLED IN NEW CEILING; DEVICES TO BE INSTALLED CENTERED IN NEW TILES. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, SWITCHES, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LAY-IN CEILING TILES, GRIDS, AND SUPPORTS AS PER PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.

2 REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE IN THEIR ENTIRETY; PROTECT EXISTING DOOR FRAME AND INTERIOR TRIM TO REMAIN. SAND, PREP, PRIME, AND PAINT EXISTING DOOR FRAME WITH (2) FINISH COATS OF PAINT. PROVIDE AND INSTALL NEW DOOR AND HARDWARE PER DOOR SCHEDULE ON A601. NEW DOORS SHALL BE PROVIDED WITH 3/4" UNDERCUT AT NEW FLOOR FINISHES PER FINISH SCHEDULE. PROVIDE NEW EXTERIOR TRIM TO MATCH EXISTING CONFIGURATION.

3 SELECTIVELY DEMOLISH EXISTING WINDOW AND EXTERIOR TRIM IN ITS ENTIRETY - PROTECT EXISTING INTERIOR WINDOW CASING AND TRIM TO REMAIN. PROVIDE AND INSTALL NEW INSULATED, VINYL CLAD WINDOW UNITS - SIZED TO FIT EXISTING ROUGH OPENINGS AND CONFIGURATIONS. SEE WINDOW SCHEDULE AND TYPES ON SHEET A601. CAULK ENTIRE PERIMETER OF NEW WINDOW - BOTH INTERIOR AND EXTERIOR. TOUCH-UP PAINT EXISTING TRIM FOLLOWING INSTALLATION. PROVIDE AND INSTALL NEW WINDOW SHADES PER PLANS AND DETAILS.

4 DEMOLISH EXISTING FLOOR SINK, FAUCET, AND WALL MOUNTED SHELVING IN THEIR ENTIRETY - PROTECT EXISTING DOMESTIC WATER SUPPLY AND SANITARY LINES TO BE RECONFIGURED FOR NEW JANITOR CLOSET LAYOUT PER ENLARGED FLOOR PLAN #1 ON SHEET A404. DEMOLISH EXISTING WALL TILE FROM ENTIRE FACE OF WALL BEHIND AND ADJACENT MOP SINK; PROTECT EXISTING PLUMBING ROUGH-INS AND BACKER BOARD. GRIND AND SMOOTH SURFACE DOWN TO SOUND MATERIAL AND CREATE A SMOOTH SURFACE FOR FRP PANEL FINISH SYSTEM ON BOTH WALLS. INSTALL NEW FRP PANEL FINISH SYSTEM OVER AREA WHERE EXISTING WALL TILES WERE REMOVED; EXTEND PANEL COVERAGE TO 3" BEYOND EXISTING TILE COVERAGE. CAULK ENTIRE PERIMETER OF FPR PANEL FINISH SYSTEM, MOP SINK, AND FAUCET. SEE ELEVATION #6 ON SHEET A401 FOR SIMILAR.

5 **FLOOR:** REMOVE AND DISPOSE OF ALL EXISTING TILE FLOORING AND BASE THROUGHOUT ENTIRE SPACE. PROTECT EXISTING WALLS, DOORS, FRAMES, EQUIPMENT, AND OTHER FINISHES SCHEDULED TO REMAIN. RESURFACE EXISTING SLAB WITH SELF-LEVELER, PREPARE, AND INSTALL NEW CERAMIC FLOOR TILE AND WALL BASE PER MANUFACTURER'S RECOMMENDATIONS.
WALLS: REMOVE EXISTING WALLPAPER FINISH FROM ALL WALLS - PROTECT EXISTING GYPSUM WALLBOARD TO REMAIN. PROTECT EXISTING WINDOW CASING AND TRIM TO REMAIN. SKIM-COAT, PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL WALL SURFACES, INCLUDING EXISTING PAINTED WINDOW AND DOOR TRIM, THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT.
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6 SELECTIVELY DEMOLISH EXISTING WALL PARTITION AS NEEDED TO CREATE NEW ROUGH-OPENING SIZED TO INSTALL A NEW 3'-0" WIDE DOOR WITH HOLLOW METAL FRAME; SEE DOOR SCHEDULE ON SHEET A603. REPAIR BASE TILES AS NEEDED FOLLOWING INSTALLATION OF NEW DOOR 102.

7 INVESTIGATE PRESENCE OF ABANDONDED CONNECTIONS BEHIND WALL PRIOR TO ORDERING NEW FOUNTAIN. PROVIDE AND INSTALL NEW ADA ACCESSIBLE WATER BOTTLE FILLER FOUNTAIN AND HANGER IN EXISTING WALL NICHE. PROVIDE AND INSTALL NEW DOMESTIC WATER SUPPLY, SANITARY, AND POWER CONNECTIONS CONNECTED TO EXISTING SYSTEMS; SEE MECHANICAL, PLUMBING, AND ELECTRICAL NEW WORK PLANS. INSTALL 54" TALL STAINLESS STEEL PROTECTIVE WALL COVERING ON ALL (3) SIDES OF EXISTING WALL NICHE FLUSH WITH TOP OF EXISTING BASE. INSTALL NEW BOTTLE FILLER FOUNTAIN AT ADA COMPLIANT HEIGHT, CENTERED WITHIN EXISTING WALL NICHE; PROVIDE AND INSTALL ADDITIONAL FIRE-RATED 2x6 BLOCKING AS NEEDED WITHIN EXISTING WALL CAVITY. PATCH EXISTING WALL TO MATCH ADJACENT WALL CONSTRUCTION FOLLOWING INSTALLATION OF NEW BOTTLE FILLER FOUNTAIN. SEE ELEVATION #4 ON SHEET A403.

8 CONSTRUCT 5/8" GWB ON 3-5/8" (20) GAUGE METAL STUDS (WALL TYPE C - SEE G101) ANCHORED TO EXISTING SLAB AND WALLS, FROM FLOOR TO 6" ABOVE FINISHED CEILING, TIGHT TO NEW 6" WATER LINE. INSTALL NEW SPRINKLER LINE TIGHT TO EXISTING WALLS UNTIL UP ABOVE FINISHED CEILING. NEW SPRINKLER LINE TO BE BROUGHT INTO THE BUILDING UNDER DOOR #106A. SAW-CUT AND PATCH EXISTING CONSTRUCTION PER STRUCTURAL DRAWINGS.

9 **FLOOR:** SEE FLOOR WORK IN NOTE #1 ABOVE.
WALLS: PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. SECURE EXISTING METAL ACCESS LADDER TO EXISTING WALL USING NEW STEEL BRACKETS.
CEILING: DEMOLISH EXISTING ACOUSTICAL LAY-IN CEILING, GRID, AND ALL ASSOCIATED SUPPORTS. PROTECT ALL EXISTING SECURITY, SAFETY, AND COMMUNICATION DEVICES TO BE REINSTALLED IN NEW CEILING; DEVICES TO BE INSTALLED CENTERED IN NEW TILES. REMOVE ALL EXISTING LIGHT FIXTURES AND SWITCHES - PROTECT EXISTING ELECTRICAL ROUGH-INS AND CIRCUITS TO BE RECONNECTED TO NEW LIGHT FIXTURES; SEE ELECTRICAL NEW WORK PLANS. REMOVE ALL EXISTING HVAC ACCESSORIES AND DIFFUSION DEVICES. PROTECT EXISTING HVAC BRANCH SUPPLY LINES, SWITCHES, AND ASSOCIATED WIRING TO BE RECONNECTED TO NEW ACCESSORIES AND DIFFUSION DEVICES; SEE MECHANICAL NEW WORK PLANS. INSTALL NEW LAY-IN CEILING TILES, GRIDS, AND SUPPORTS AS PER PLANS. INSTALL NEW LIGHTING FIXTURES AND SWITCHES CONNECTED TO EXISTING CIRCUITS; SEE ELECTRICAL NEW WORK PLANS. PREP, SAND, PRIME, AND PAINT ALL EXISTING HARD CEILINGS WITH (2) FINISH COATS OF PAINT.

10 DEMOLISH EXISTING TOILET PARTITIONS, ACCESSORIES, PLUMBING FIXTURES, AND COUNTERTOP IN THEIR ENTIRETY - PROTECT EXISTING FINISHES, DOMESTIC WATER SUPPLY, AND SANITARY LINES TO BE RECONFIGURED FOR NEW RESTROOM LAYOUTS PER ENLARGED FLOOR PLAN #1 ON SHEET A404. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
FLOOR: PROTECT EXISTING EPOXY FLOORING AND WALL BASE TO REMAIN. PATCH AND BLEND WITH NEW EPOXY FLOORING AND BASE TO MATCH EXISTING FOLLOWING NEW WORK SLAB WORK. PROVIDE CHROME BLANK-OFF PLATE AT ALL ABANDONED CONNECTIONS.
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WALLS: REMOVE EXISTING WALL TILES AT ADA TOILET AS NEEDED TO RELOCATE AND RECONFIGURE EXISTING DOMESTIC SUPPLY FOR NEW FIXTURE LOCATION PER PLANS. INFILL WITH NEW WALL TILES TO MATCH EXISTING TILES ONCE NEW PLUMBING CONNECTIONS HAVE BEEN CONSTRUCTED. PROTECT EXISTING WALL TILES TO REMAIN. PREP, SAND, PRIME, AND PAINT ENTIRETY OF ALL EXISTING PAINTED WALL SURFACES THROUGHOUT SPACE WITH (2) FINISH COATS OF PAINT UP TO 6" ABOVE FINISHED CEILING. PROVIDE CHROME BLANK-OFF PLATE AT ALL ABANDONED CONNECTIONS.
CEILING: SEE CEILING WORK IN NOTE #10 ABOVE.

13 REMOVE AND REPLACE EXISTING WOOD COLUMNS WITH NEW "COLONIAL" STYLE POLYURETHANE POSTS PER STRUCTURAL DRAWINGS; TYPICAL OF (14) COLUMNS SEE DETAIL #1 ON SHEET A111 PROVIDE AND INSTALL NEW 5-1/2"x5-1/2" "COLONIAL" STYLE POLYURETHANE COLUMN, MODEL P99X96 BY FYPON (OR APPROVED EQUAL), CUT TO SIZE TO SUPPORT EXISTING BEARING LOAD. INSTALL PER MANUFACTURER'S RECOMMENDATIONS, ANCHORING BASE TO EXISTING PAVING AND TOP TO UNDERSIDE OF EXISTING PORCH HEADERS. PROVIDE FACTORY TRIM KIT, CAULK, PRIME, AND PAINT WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT. SEE DETAIL #1 ON SHEET A111.

14 REMOVE AND REPLACE FROM FLOOR TO 4'-0" AFF OF EXISTING WATER DAMAGED WALL FINISH WITH NEW TYPE-X GYPSUM WALLBOARD. FEATHER NEW FINISH INTO EXISTING. PRIME AND PAINT.

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3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-9444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

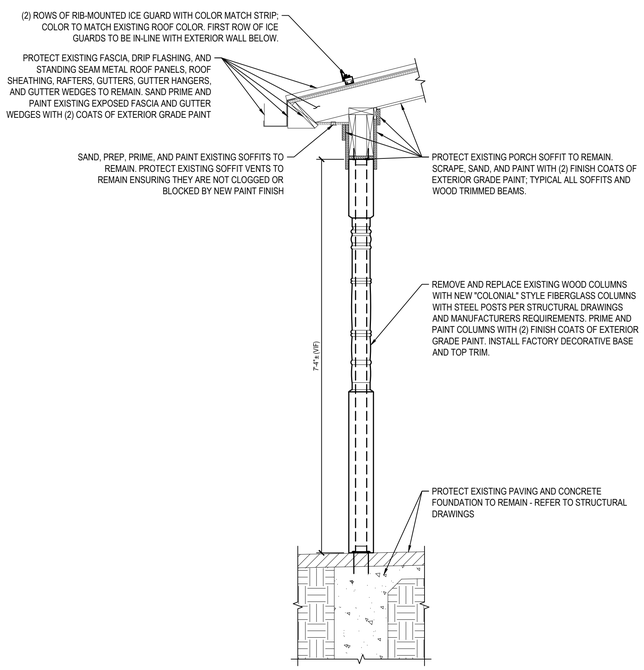
DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK — FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS — 600 QUIET WATERS PARK RD — ANNAPOLIS, MD 21403
		DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.38 OF 73	BLUE HERON REFLECTED CEILING PLAN — A110
		PROJECT NO. P584600	
		CONTRACT NO. P584608	

BLUE HERON KEYED ROOF PLAN NOTES:

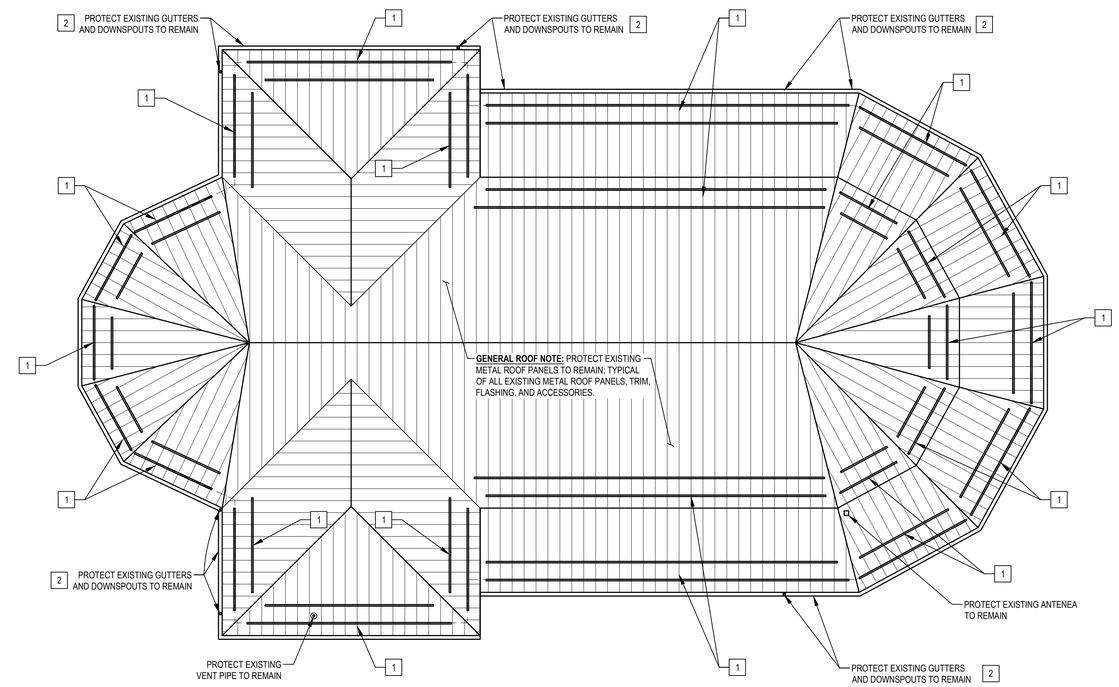
1 (SYMBOL) INSTALL (2) ROWS OF NEW NON-PENETRATING, FACTORY FINISHED ALUMINUM, RIB-MOUNTED SNOW RAILS WITH STAINLESS STEEL SETSCREWS ATTACHED TO EXISTING STANDING SEAM METAL ROOF PANELS. COLOR TO MATCH EXISTING FROM AVAILABLE STANDARD COLORS. INSTALL FIRST ROW OF SNOW GUARDS IN-LINE WITH FACE OF EXTERIOR WALL BELOW. SECOND ROW OF SNOW GUARDS SHALL BE OFFSET 24" UP FROM FIRST ROW. PROTECT EXISTING STANDING SEAM METAL ROOF PANELS, FLASHING AND ASSOCIATED TRIM TO REMAIN.

2 PROVIDE NEW 12"x24" CONCRETE SPLASH BLOCK AT EXISTING DOWNSPOUT - INSTALLED TO PROMOTE DRAINAGE AWAY FROM EXISTING FOUNDATION WALLS.



BLUE HERON POLYURETHANE COLUMN (6)

SCALE: 3/4"=1'-0"



BLUE HERON - ROOF PLAN

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

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

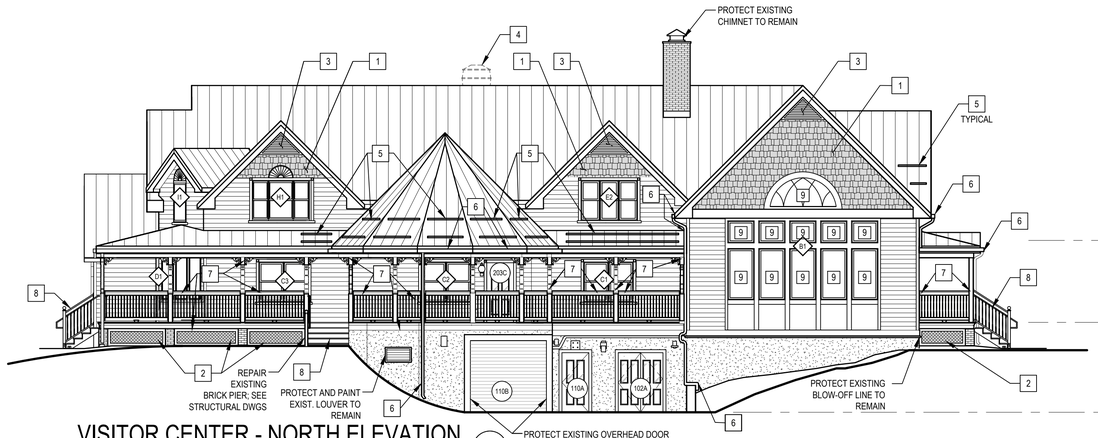
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK
		DRAWN BY: JM	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
		CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.39 OF 73	BLUE HERON ROOF PLAN
		PROJECT NO. P584600	A111
		CONTRACT NO. P584608	

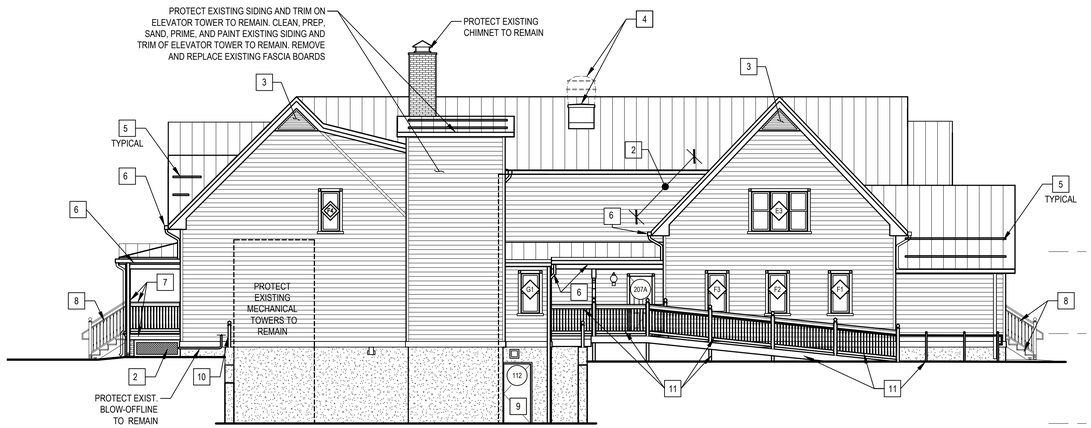


VISITOR CENTER - NORTH ELEVATION (1)

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

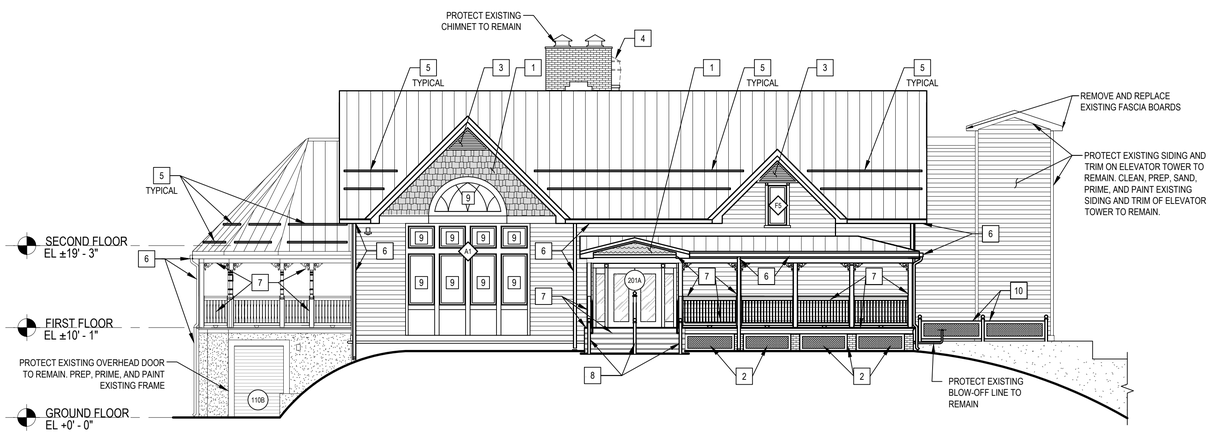
VISITOR CENTER - EAST ELEVATION (2)

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



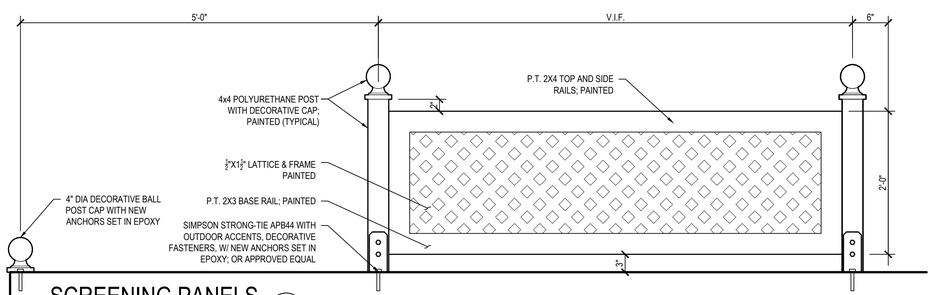
VISITOR CENTER - SOUTH ELEVATION (3)

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



VISITOR CENTER - WEST ELEVATION (4)

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



SCREENING PANELS (5)

SCALE: 1"=1'-0"

KEYED VISITOR CENTER ELEVATION NOTES:

1. NEW FIBER CEMENT STAGGERED EDGE SHINGLE SIDING PANELS TO MATCH EXISTING CONFIGURATION; PRIMED AND PAINTED ACCENT COLOR #1. PROVIDE CONTINUOUS STAINLESS STEEL Z-FLASHING AT ALL TRANSITIONS BETWEEN SHINGLE SIDING TO TRIM AND / OR LAP SIDING PANELS.
2. DEMOLISH EXISTING LATTICE APRON PANELS IN THEIR ENTIRETY-PROTECT EXISTING BRICK PIERS AND PORCH TRIM TO REMAIN. RECONSTRUCT IN-KIND USING 2x4 PRESSURE TREATED WOOD FRAMING AND EXTERIOR GRADE LATTICE. PRIME AND PAINT WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT.
3. SCRAPE, SAND, REPAIR WITH WOOD EPOXY AS NEEDED, AND PAINT EXISTING WOOD LOUVER AND TRIM WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT.
4. DEMOLISH EXISTING KITCHEN EXHAUST FAN AND ASSOCIATED WIRING IN THEIR ENTIRETY; SEE MECHANICAL AND ELECTRICAL PLANS. PROTECT EXISTING MECHANICAL CURB, FLASHING, AND ADJACENT ROOF PANELS TO REMAIN. FABRICATE AND INSTALL AN INSULATED, WEATHERTIGHT CURB CAP TO SEAL MECHANICAL CURB FOLLOWING EXHAUST FAN REMOVAL; PRIME AND PAINT CURB CAP TO MATCH EXISTING ROOF PANELS WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT. SEE DETAIL #2 ON SHEET A108.
5. INSTALL NEW ICE GUARDS ; SEE ROOF PLAN ON SHEET A108. PROTECT EXISTING STANDING SEAM METAL ROOF PANELS, FLASHING, AND ASSOCIATED TRIM TO REMAIN.
6. INSTALL NEW GUTTERS AND DOWNSPOUTS; SEE ROOF PLAN ON SHEET A108
7. REMOVE EXISTING DECKING, GUARD RAILS, AND PORCH APRON AND INSTALL NEW. PROTECT EXISTING COLUMNS AND DECORATIVE BRACKETS TO REMAIN. SEE DETAIL 3 ON SHEET A108 FOR TYPICAL PORCH SECTION.
8. DEMOLISH AND CONSTRUCT NEW STAIRS, GUARDRAILS, ADA HANDRAIL, POSTS AND TRIM IN-KIND WITH NEW GROUND CONTACT RATED WOOD AND POLYURETHANE POSTS TO MATCH EXISTING CONFIGURATION; SEE DETAIL #6 ON SHEET A402.
9. REMOVE EXISTING EXTERIOR WINDOW TRIM, JOINING RAIL TRIM, AND PANELING IN CONJUNCTION WITH SIDING REPLACEMENT. PROTECT EXISTING WINDOWS AND STRUCTURE TO REMAIN. INSTALL NEW DECORATIVE FIBER CEMENT WINDOW TRIM, JOINING RAIL TRIM, AND PANELING TO MATCH EXISTING CONFIGURATION PER TYPICAL WINDOW JAMB, SILL, AND HEAD DETAILS ON SHEET A601, AS WELL AS ALL MANUFACTURER'S REQUIRED STANDARD DETAILS.
10. DEMOLISH EXISTING DETERIORATED DECORATIVE SCREENING PANELS, POSTS ,POST CAPS, AND LATTICE PANELS- RECONSTRUCT IN-KIND USING PRESSURE TREATED WOOD AND POLYURETHANE POSTS. PRIME AND PAINT NEW SCREEN PANELS WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT. SEE SCREENING PANELS DETAIL #5 ON THIS SHEET.
11. SCRAPE, SAND AND PAINT ENTIRE EXISTING RAMP GUARDRAIL, INCLUDING BUT NOT LIMITED TO , EXISTING WOOD RAILING, BALUSTERS, POSTS, STRINGERS, TRIM, AND METAL HANDRAIL WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT. CONTRACTOR SHALL REFASTEN / RESECURE ALL LOOSE COMPONENTS TO ENSURE A SECURE INSTALLATION PRIOR TO PAINT PREPARATION. PROTECT EXISTING COMPOSITE DECKING AT PORCH AND RAMP ADJACENT DOOR 210 TO REMAIN. SEE DETAIL 3 ON SHEET A108 FOR TYPICAL PORCH SECTION.

GENERAL VISITOR CENTER ELEVATION NOTES:

1. DETERGENT WASH AND RINSE ENTIRETY OF EXISTING METAL ROOFING, GUTTERS, AND DOWNSPOUTS AND RINSE WITH CLEAN WATER FOLLOWING INSTALLATION OF ICE-GUARDS, PRIOR TO INSTALLATION OF NEW FIBER CEMENT SIDING. PROTECT EXISTING STANDING SEAM METAL ROOF PANELS, FLASHING AND ASSOCIATED TRIM TO REMAIN.
2. REMOVE AND DISCARD ALL EXISTING WALL SIDING, CORNER BOARDS, SOFFITS, FRIEZE BOARDS, STARTER BOARDS, DECORATIVE SCALE SHINGLES, DECORATIVE WINDOW EMBELLISHMENTS, FASCIA BOARDS, AND WEATHER BARRIER FROM THE ENTIRE FACE OF THE WALL, DOWN TO BARE EXISTING EXTERIOR SHEATHING (UNLESS OTHERWISE NOTED). PROTECT ALL EXISTING SOUND EXTERIOR SHEATHING. STANDING SEAM METAL ROOF PANELS, AND ROOF TRIM TO REMAIN. REPLACE DAMAGED AND DETERIORATED EXTERIOR SHEATHING WITH NEW 1/2" THICK EXTERIOR GRADE C-D PLYWOOD AS APPROVED BY OWNER AND ARCHITECT. INSTALL NEW WEATHER BARRIER SYSTEM OVER THE ENTIRE FACE OF WALL WITH ALL PERIMETERS, PENETRATIONS, AND TERMINATIONS FLASHED PER MANUFACTURER'S REQUIREMENTS. INSTALL NEW FIBER CEMENT WALL SIDING OVER THE ENTIRE WALL SURFACE. INSTALL NEW FIBER CEMENT CORNER BOARDS (AT ALL INSIDE AND OUTSIDE CORNERS), DECORATIVE SCALE SHINGLES, DECORATIVE WINDOW EMBELLISHMENTS, FASCIA BOARDS, FRIEZE BOARDS, AND STARTER BOARDS TO MATCH EXISTING PROFILES, DESIGN, AND CONFIGURATION. PRIME AND PAINT ALL SURFACES WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT. SEE SIDING DETAILS ON SHEET A602. PAINT SCHEME TO MATCH EXISTING DESIGN WITH ACCENT COLOR AND FIELD COLORS TO BE SELECTED DURING CONSTRUCTION. PROTECT ALL EXISTING FINISHES AND SYSTEMS SCHEDULED TO REMAIN. INSTALL NEW SOFFITS, VENT SCREENS, AND FASCIA BOARDS PER DETAIL #1 ON SHEET A108.
3. INSTALL NEW 8" TALL METAL STEP FLASHING ALONG ALL EXISTING ROOF EDGES AT ALL INSTANCES WHERE SLOPED METAL ROOF PANELS TERMINATE AT FIBER CEMENT SIDING. PROTECT EXISTING METAL ROOF PANELS, TRIM, AND VENTILATED HEAD FLASHING TO REMAIN. PROVIDE AND INSTALL NEW STAINLESS STEEL FLASHING TO TIE-IN NEW SIDING AT EXISTING HEADFLASHING. INSTALL NEW KICKOUT FLASHING DIRECTED TO GUTTERS, STEP FLASHING TO MATCH THE COLOR OF THE EXISTING ROOF PANELS. KICKOUT FLASHING TO MATCH THE COLOR OF WALL SIDING. SEE SIDING DETAILS ON SHEET A602.
4. DETERGENT WASH AND RINSE WITH CLEAN WATER AND REMOVE ALL PEELING AND LOOSE PAINT FROM ALL EXISTING BEADED SOFFITS, COLUMNS, WOOD CLAD BEAMS, AND RAILINGS SCHEDULED TO REMAIN. APPLY PRIMER AND (2) COATS OF EXTERIOR GRADE PAINT TO ALL BEADED SOFFITS, COLUMNS, BEAMS, AND RAILINGS; COLOR SCHEME TO MATCH EXISTING. PROTECT ALL EXISTING FINISHES AND SYSTEMS SCHEDULED TO REMAIN. (TYPICAL OF ALL PAINTED SURFACES)
5. DETERGENT WASH AND RINSE ENTIRETY OF EXISTING FOUNDATION FINISH AND RINSE WITH CLEAN WATER FOLLOWING COMPLETION OF SIDING INSTALLATION AND EXTERIOR PAINTING.
6. PROTECT ALL EXISTING GUTTERS, DOWNSPOUTS, MECHANICAL, ELECTRICAL, SECURITY, AND COMMUNICATION EQUIPMENT SCHEDULED TO REMAIN. SEE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION PLANS FOR NEW WORK.

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21366 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21366, EXPIRATION DATE 01/11/2027."

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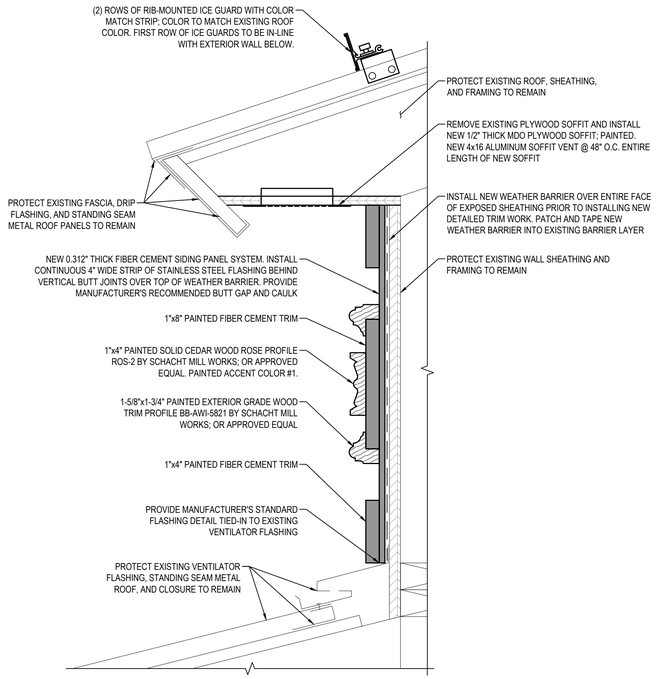
NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

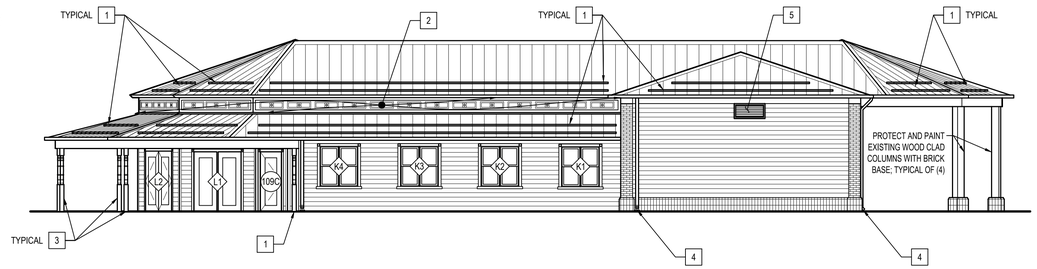
DATE: 3-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
		DRAWN BY: JM	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
CHIEF ENGINEER	PROJECT MANAGER	CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE	APPROVED DATE	SHEET NO.40OF 73	VISITOR CENTER ELEVATIONS
		PROJECT NO. P584600	A201
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. P584608	



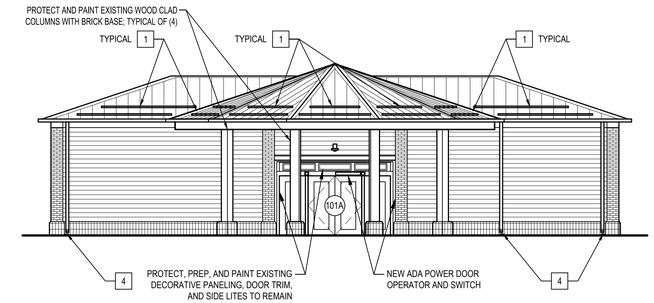
BLUE HERON FASCIA DETAIL (1)

SCALE: 3"=1'-0"



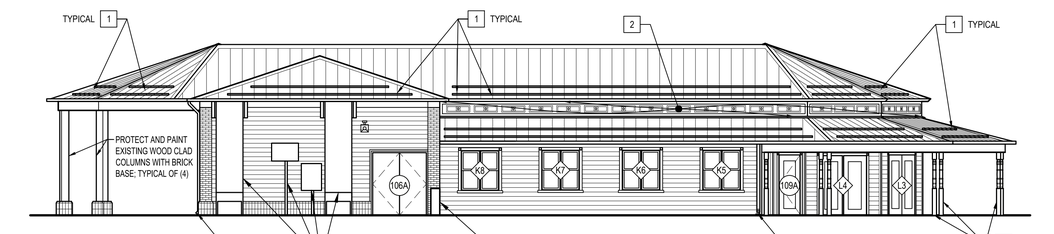
BLUE HERON - NORTH ELEVATION

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



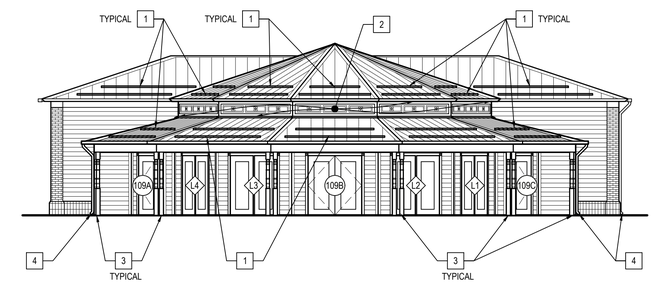
BLUE HERON - WEST ELEVATION

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



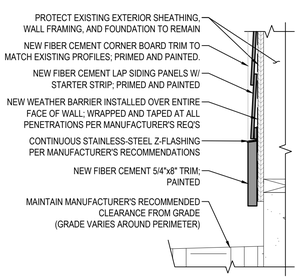
BLUE HERON - SOUTH ELEVATION

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



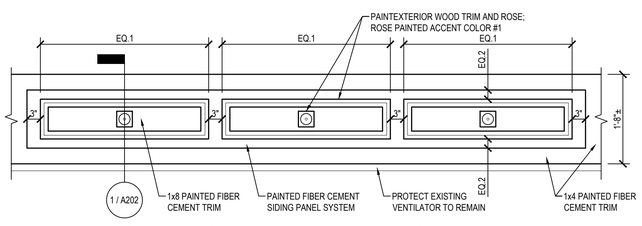
BLUE HERON - EAST ELEVATION

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



BLUE HERON SIDING STARTER BOARD (2)

SCALE: 1-1/2"=1'-0"



BLUE HERON TYPICAL FASCIA ELEVATION (3)

SCALE: 3"=1'-0"

KEYED BLUE HERON ELEVATION NOTES:

1. INSTALL NEW ICE GUARDS ; SEE ROOF PLAN ON SHEET A111. PROTECT EXISTING STANDING SEAM METAL ROOF PANELS, FLASHING, AND ASSOCIATED TRIM TO REMAIN.
2. DEMOLISH EXISTING DECORATIVE PANELS, TRIM, ROSE DETAILS, CORNER BOARDS, PERIMETER TRIM, SOFFIT, AND EXTERIOR PLYWOOD FINISH IN THEIR ENTIRETY DOWN TO EXISTING WEATHER BARRIER. PROTECT EXISTING WALL CONSTRUCTION, FASCIA AND DRIP METAL, STANDING SEAM METAL ROOF PANELS, HEAD FLASHING, AND ASSOCIATED TRIM SCHEDULED TO REMAIN. PROVIDE AND INSTALL NEW WEATHER TIGHT FIBER CEMENT SIDING PANEL SYSTEM OVER ENTIRE SURFACE. PROVIDE AND INSTALL NEW SOLID CEDAR WOOD DECORATIVE "PANEL" TRIM AND ROSE DETAILS TO MATCH EXISTING PROFILES AND CONFIGURATION. PROVIDE AND INSTALL NEW FIBER CEMENT PERIMETER TRIM AND CORNER BOARDS TO MATCH EXISTING PROFILES AND CONFIGURATION. CAULK ALL JOINTS AND FASTENER HOLES PER MANUFACTURER'S REQUIREMENTS. PRIME, AND PAINT WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT; ROSE TO BE PAINTED ACCENT COLOR #1. SEE DETAIL #3 ON SHEET A202.
3. REMOVE AND REPLACE EXISTING WOOD COLUMNS WITH NEW "COLONIAL" STYLE POLYURETHANE COLUMNS WITH STEEL POSTS PER STRUCTURAL DRAWINGS; TYPICAL OF (14) COLUMNS. PRIME AND PAINT COLUMNS WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT. SEE DETAIL #1 ON SHEET A111.
4. PROVIDE NEW 10"x24" CONCRETE SPLASH BLOCK AT EXISTING DOWNSPOUT - INSTALLED TO PROMOTE DRAINAGE AWAY FROM EXISTING FOUNDATION WALLS.
5. SCRAPE, SAND, AND PAINT EXISTING WOOD LOUVER AND TRIM WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT.

GENERAL BLUE HERON ELEVATION NOTES:

1. DETERGENT WASH AND RINSE ENTIRETY OF EXISTING METAL ROOFING, GUTTERS, AND DOWNSPOUTS AND RINSE WITH CLEAN WATER FOLLOWING INSTALLATION OF ICE-GUARDS, PRIOR TO INSTALLATION OF NEW FIBER CEMENT SIDING. PROTECT EXISTING STANDING SEAM METAL ROOF PANELS, FLASHING AND ASSOCIATED TRIM TO REMAIN.
2. REMOVE AND DISCARD ALL EXISTING WALL SIDING, CORNER BOARDS, SOFFITS, FRIEZE BOARDS, STARTER BOARDS, DECORATIVE WINDOW EMBELLISHMENTS, FASCIA BOARDS, AND WEATHER BARRIER FROM THE ENTIRE FACE OF THE WALL, DOWN TO BARE EXISTING EXTERIOR SHEATHING (UNLESS OTHERWISE NOTED). PROTECT ALL EXISTING SOUND EXTERIOR SHEATHING, STANDING SEAM METAL ROOF PANELS, AND ROOF TRIM TO REMAIN. REPLACE DAMAGED AND DETERIORATED EXTERIOR SHEATHING WITH NEW 1/2" THICK EXTERIOR GRADE C-D PLYWOOD AS NEEDED. INSTALL A NEW WEATHER BARRIER LAYER OVER THE ENTIRE FACE OF WALL WITH ALL PERIMETERS, PENETRATIONS, AND TERMINATIONS FLASHED PER MANUFACTURER'S REQUIREMENTS. INSTALL NEW FIBER CEMENT WALL SIDING OVER THE ENTIRE WALL SURFACE. INSTALL NEW FIBER CEMENT CORNER BOARDS (AT ALL INSIDE AND OUTSIDE CORNERS), DECORATIVE WINDOW EMBELLISHMENTS, FASCIA BOARDS, FRIEZE BOARDS, AND STARTER BOARDS TO MATCH EXISTING PROFILES, DESIGN, AND CONFIGURATION. PRIME AND PAINT ALL SURFACES WITH (2) FINISH COATS OF EXTERIOR GRADE PAINT. SEE SIDING DETAILS ON SHEET A602 AND ON THIS SHEET. COLOR SCHEME TO MATCH EXISTING DESIGN. INSTALL NEW SOFFITS, VENT SCREENS, AND FASCIA BOARDS PER DETAILS #1 / A202 AND #1 / A108. PROTECT ALL EXISTING FINISHES AND SYSTEMS SCHEDULED TO REMAIN.
3. INSTALL NEW 8" TALL METAL STEP FLASHING ALONG EXISTING ROOF EDGES AT ALL INSTANCES WHERE SLOPED METAL ROOF PANELS TERMINATE AT FIBER CEMENT SIDING. PROTECT EXISTING METAL ROOF PANELS, TRIM, AND VENTILATED HEAD FLASHING TO REMAIN. INSTALL NEW KICKOUT FLASHING DIRECTED TO EXISTING GUTTER. STEP FLASHING TO MATCH THE COLOR OF THE EXISTING ROOF PANELS. KICKOUT FLASHING TO MATCH THE COLOR OF WALL SIDING. SEE SIDING DETAILS ON SHEET A602.
4. DETERGENT WASH AND RINSE WITH CLEAN WATER AND REMOVE ALL PEELING AND LOOSE PAINT FROM ALL EXISTING BEADED SOFFITS, COLUMNS, AND WOOD CLAD BEAMS SCHEDULED TO REMAIN. APPLY PRIMER AND (2) COATS OF EXTERIOR GRADE PAINT TO ALL BEADED SOFFITS, COLUMNS, BEAMS, AND RAILINGS; COLOR SCHEME TO MATCH EXISTING. PROTECT ALL EXISTING FINISHES AND SYSTEMS SCHEDULED TO REMAIN. (TYPICAL OF ALL PAINTED SURFACES)
5. DETERGENT WASH AND RINSE THE ENTIRE EXISTING BRICK FACADE AND FOUNDATION WITH CLEAN WATER FOLLOWING THE COMPLETION OF SIDING INSTALLATION AND EXTERIOR PAINTING.
6. PROTECT ALL EXISTING GUTTERS, DOWNSPOUTS, MECHANICAL, ELECTRICAL, SECURITY, AND COMMUNICATION EQUIPMENT SCHEDULED TO REMAIN. SEE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION PLANS FOR NEW WORK.

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21385 — ARCHITECT

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

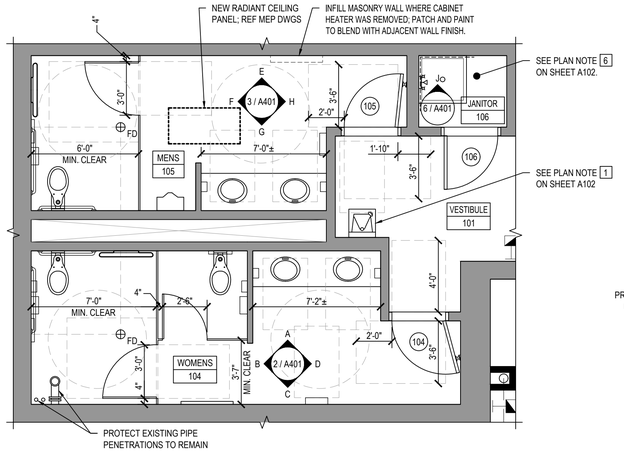
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

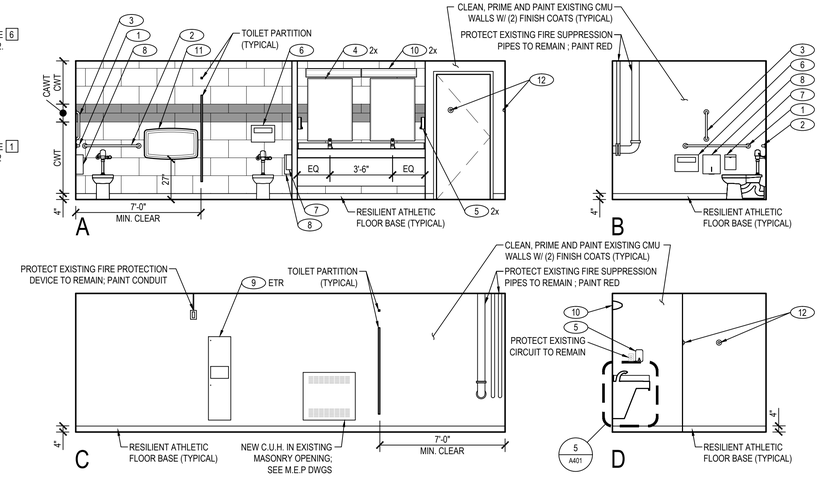
DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK
		DRAWN BY: JM	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
		CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.41 OF 73	BLUE HERON ELEVATIONS
		PROJECT NO. P584600	A202
		CONTRACT NO. P584608	



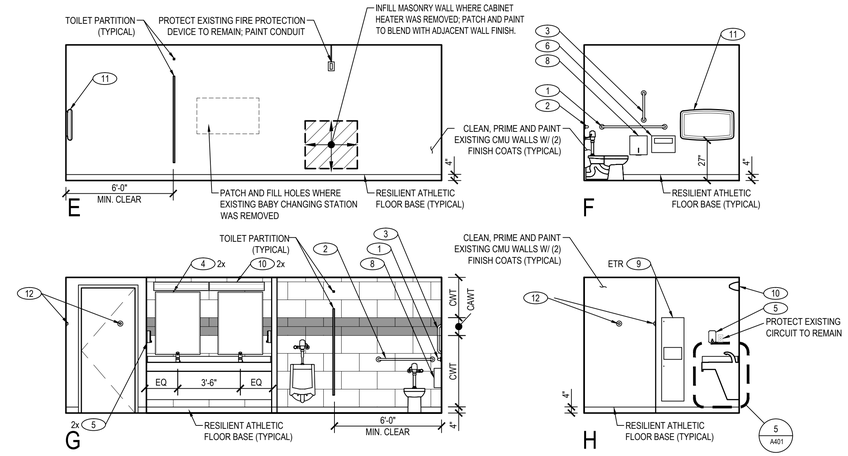
GROUND FLOOR ENLARGED PLAN (1)

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



WOMENS RESTROOM (2)

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



MENS RESTROOM (3)

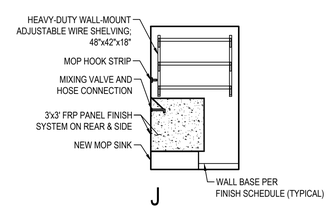
SCALE: 1/4"=1'-0"

NUMBERED DRAWING NOTES:

1. 42" STAINLESS STEEL GRAB BAR
2. 36" STAINLESS STEEL GRAB BAR
3. 18" STAINLESS STEEL GRAB BAR
4. 42"x30" MIRROR
5. SOAP DISPENSER
6. TOILET SEAT COVER DISPENSER
7. SANITARY NAPKIN DISPOSAL
8. TOILET PAPER DISPENSER
9. PAPER TOWEL DISPENSER & DISPOSAL
10. SURFACE MTD LED LIGHT FIXTURE; REF ELEC. DWGS
11. BABY CHANGING STATION
12. MAGNETIC DOOR HOLDER / STOP

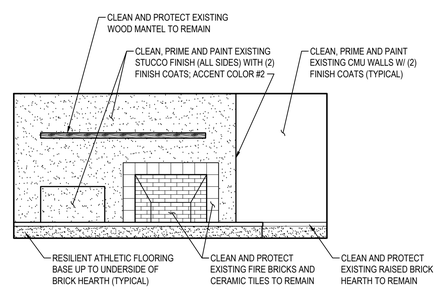
RESTROOM GENERAL NOTES:

1. INSTALL (1) COAT HOOK ON EACH STALL DOOR
2. PROVIDE AND INSTALL SOLID WOOD BLOCKING WITHIN EXISTING WOOD STUD WALL CAVITIES FOR ALL WALL MOUNTED ACCESSORIES
3. INSTALL METAL TRIM PIECES AT ALL OUTSIDE CORNERS, AND ALL TOPS AND BOTTOMS WHERE TILES ABUT A DIFFERENT FINISH.
3. INSTALL CONTINUOUS METAL TRIM PIECES ALONG ENTIRE LENGTH OF CERAMIC WALL TILE BASE.
4. CLEAN, PRIME, AND PAINT ALL EXISTING PAINTED WALLS WITH (2) FINISH COATS OF PAINT. PROTECT ALL EXISTING FINISHES, DEVICES, AND EQUIPMENT SCHEDULED TO REMAIN.
5. CWT = 12x24 CERAMIC WALL TILE
6. CAWT = 6x24 CERAMIC ACCENT WALL TILE



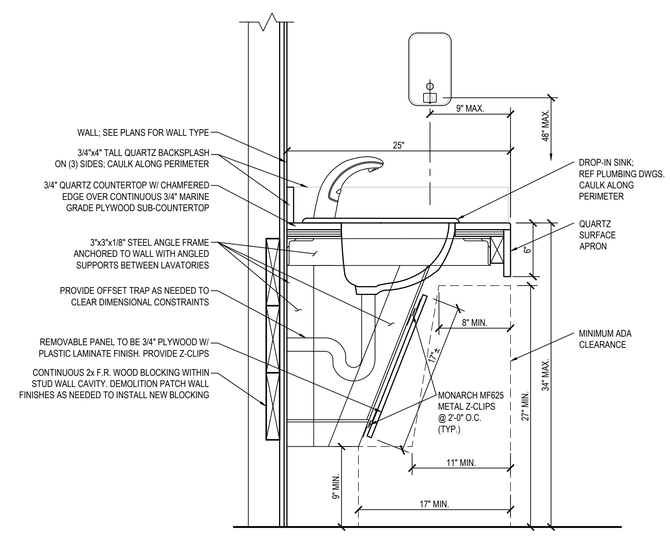
JANITOR (6)

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



FIREPLACE ELEVATION (4)

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



COUNTERTOP SECTION (5)

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

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21366 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21366, EXPIRATION DATE 01/11/2027."

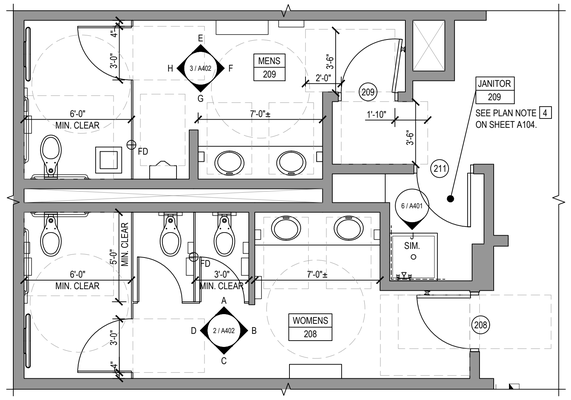
(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

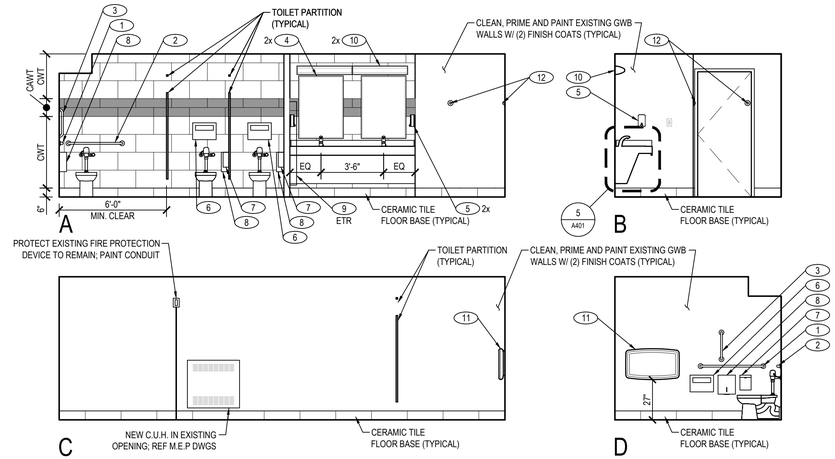
DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
		DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.42 OF 73	VISITOR CENTER - GROUND FLOOR ENLARGED PLANS & ELEVATIONS — A401
		PROJECT NO. P584600	
		CONTRACT NO. P584608	



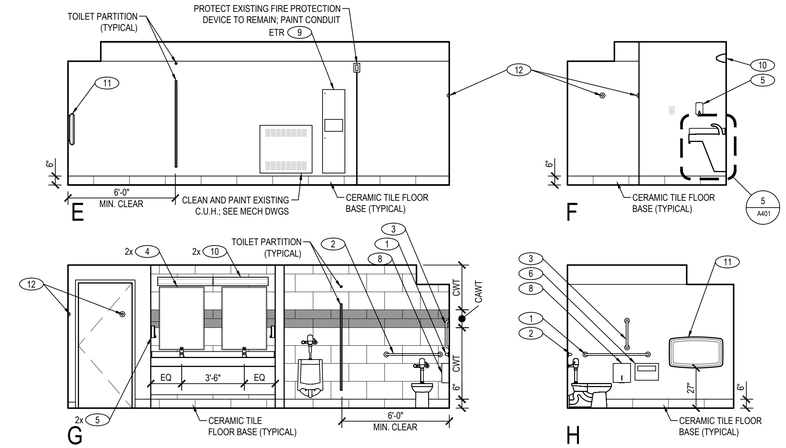
FIRST FLOOR ENLARGED PLAN (1)

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



WOMENS RESTROOM (2)

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



MENS RESTROOM (3)

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

NUMBERED DRAWING NOTES:

1. 42" STAINLESS STEEL GRAB BAR
2. 36" STAINLESS STEEL GRAB BAR
3. 18" STAINLESS STEEL GRAB BAR
4. 42"x30" MIRROR
5. SOAP DISPENSER
6. TOILET SEAT COVER DISPENSER
7. SANITARY NAPKIN DISPOSAL
8. TOILET PAPER DISPENSER
9. PAPER TOWEL DISPENSER & DISPOSAL
10. SURFACE MTD LED LIGHT FIXTURE; REF ELEC. DWGS
11. BABY CHANGING STATION
12. MAGNETIC DOOR HOLDER / STOP

RESTROOM GENERAL NOTES:

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2. PROVIDE AND INSTALL SOLID WOOD BLOCKING WITHIN EXISTING WOOD STUD WALL CAVITIES FOR ALL WALL MOUNTED ACCESSORIES
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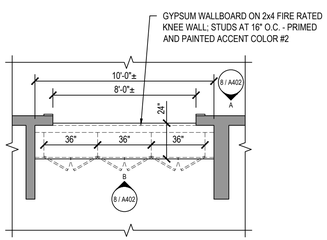
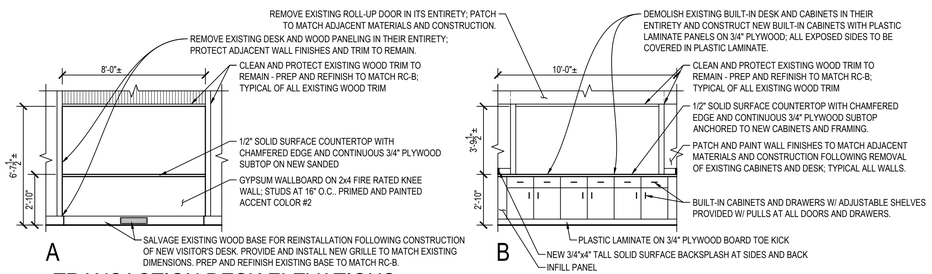


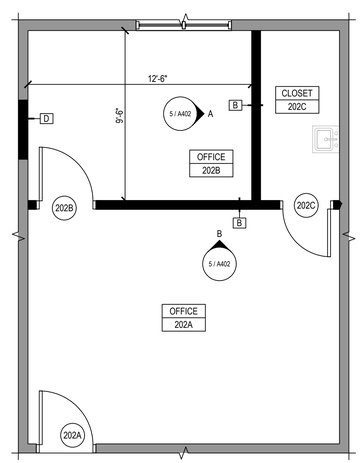
TRANSACTION DESK PLAN (7)

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



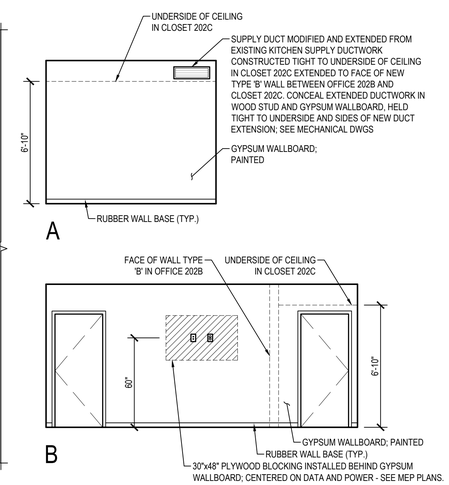
TRANSACTION DESK ELEVATIONS (8)

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



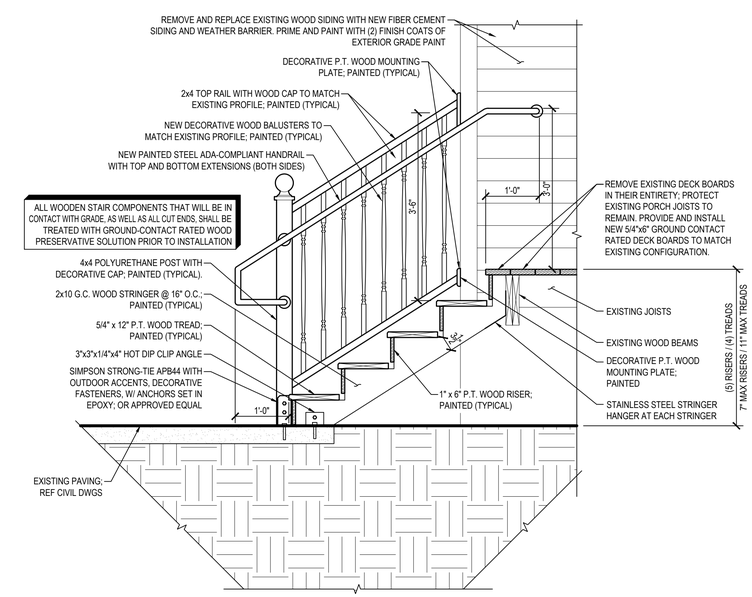
OFFICE ENLARGED PLAN (4)

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



OFFICE INTERIOR ELEVATIONS (5)

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



STAIRS (6)

SCALE: 3/4"=1'-0"

RRMM
ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND
JOSEPH A. GRAVES
No. 21386
ARCHITECT

"PROFESSIONAL CERTIFICATION.
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(C) RRMM ARCHITECTS
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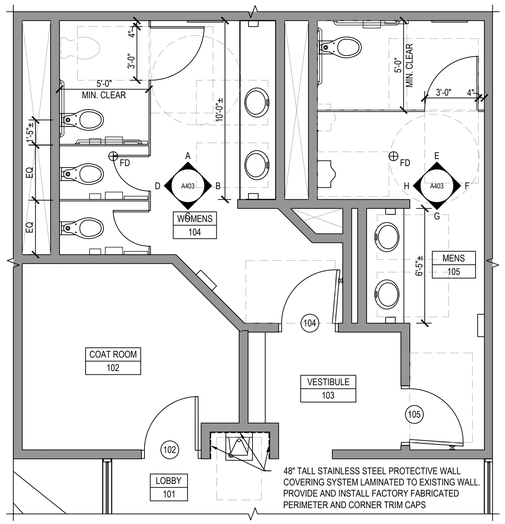
NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

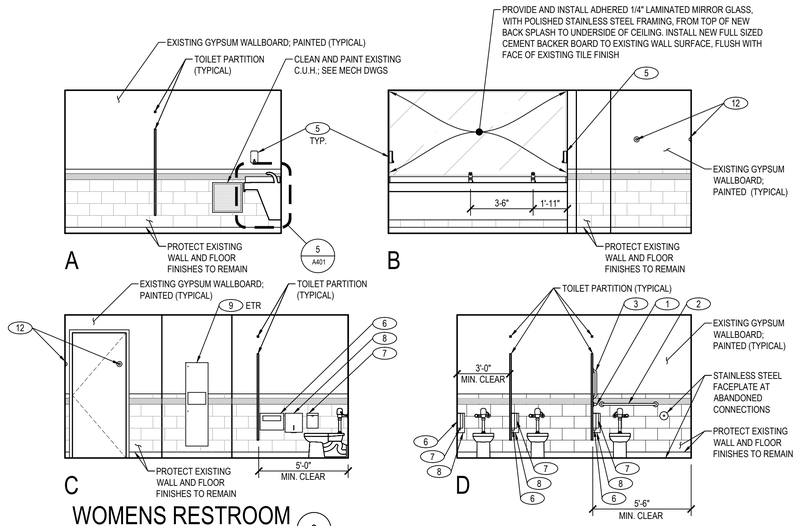
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
APPROVED DATE	APPROVED DATE	CHECKED BY: JG	600 QUIET WATERS PARK RD
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	SHEET NO.43OF 73	ANNAPOLIS, MD 21403
		PROJECT NO. P584600	VISITOR CENTER
		CONTRACT NO. P584608	ENLARGED PLANS & DETAILS

A402



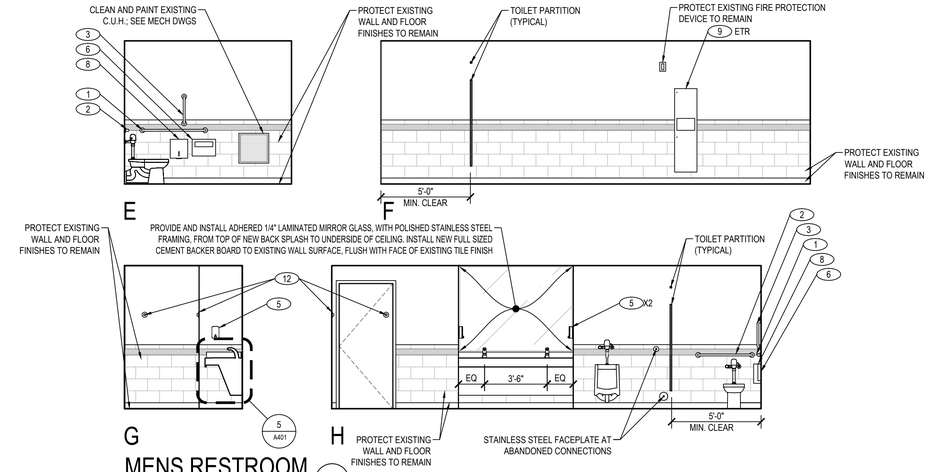
BLUE HERON ENLARGED PLAN (1)

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



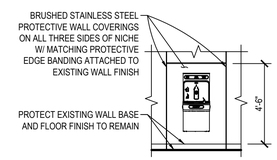
WOMENS RESTROOM (2)

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



MENS RESTROOM (3)

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



WATER FOUNTAIN (4)

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

NUMBERED DRAWING NOTES:

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2. 36" STAINLESS STEEL GRAB BAR
3. 18" STAINLESS STEEL GRAB BAR
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12. MAGNETIC DOOR HOLDER / STOP

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STATE OF MARYLAND JOSEPH A. GRAVES No. 21386 ARCHITECT

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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO.44 OF 73	VISITOR CENTER ENLARGED PLANS & DETAILS
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. P584608	A403

VISITOR CENTER - GROUND FLOOR DOOR SCHEDULE

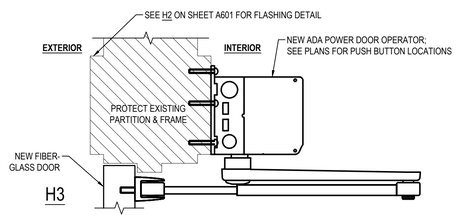
DOOR NO.	WIDTH	HEIGHT	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	HARDWARE	ADDITIONAL REMARKS
101	6'-0"±	6'-8"±	-	-	ETR - HM	PAINTED	-	
102A	(2) 3'-0"±	6'-8"±	A	PAINTED	ETR - HM	PAINTED	HW-1	
102B	(2) 3'-0"±	6'-8"±	F	PAINTED	ETR - HM	PAINTED	HW-3	
103A	(2) 3'-0"±	6'-8"±	F	PAINTED	ETR - HM	PAINTED	HW-4A	1.5-HR FIRE RATED DOOR
103B	(2) 3'-0"±	6'-8"±	F	PAINTED	ETR - HM	PAINTED	HW-5	1.5-HR FIRE RATED DOOR
104	3'-0"±	6'-8"±	E	PAINTED	ETR - HM	PAINTED	HW-6	NO MARBLE THRESHOLD
105	3'-0"±	6'-8"±	E	PAINTED	ETR - HM	PAINTED	HW-6	NO MARBLE THRESHOLD
106	3'-0"±	6'-8"±	E	PAINTED	ETR - HM	PAINTED	HW-7	
107A	(2) 3'-0"±	6'-8"±	G	PAINTED	ETR - HM	PAINTED	HW-8	
107B	(2) 3'-0"±	6'-8"±	G	PAINTED	ETR - HM	PAINTED	HW-8	
108A	3'-0"±	6'-8"±	ETR	PAINTED	ETR - HM	PAINTED	ETR	
108B	3'-0"±	6'-8"±	F	PAINTED	ETR - HM	PAINTED	HW-7	
109	3'-0"±	6'-8"±	ETR	PAINTED	ETR - HM	PAINTED	HW-10	SALVAGE, CLEAN, AND REINSTALL EXISTING DOOR FLIPPED TO SWING PER PLANS. PROVIDE W/ CLOSER
110A	3'-0"±	6'-8"±	A	PAINTED	ETR - HM	PAINTED	HW-2	
110B	ETR	ETR	ETR	PAINTED	ETR - HM	PAINTED	ETR	CLEAN AND PAINT EXISTING DOOR FRAME AND TRIM
111	(2) 3'-0"±	6'-8"±	ETR	PAINTED	ETR - HM	PAINTED	ETR	SALVAGE, CLEAN, REINSTALL, AND RE-KEY EXISTING HARDWARE TO MATCH NEW KEYING
112	3'-0"±	6'-8"±	ETR	PAINTED	ETR - HM	PAINTED	ETR	SALVAGE, CLEAN, REINSTALL, AND RE-KEY EXISTING HARDWARE TO MATCH NEW KEYING

VISITOR CENTER - FIRST FLOOR DOOR SCHEDULE

DOOR NO.	WIDTH	HEIGHT	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	HARDWARE	ADDITIONAL REMARKS
201A	(2) 3'-0"±	6'-8"±	B	PAINTED	ETR - WD	PAINTED	HW-1	
201B	3'-0"±	6'-8"±	B	PAINTED	ETR - WD	PAINTED	HW-2	
201C	(2) 3'-0"±	6'-8"±	ETR	PAINTED	ETR - WD	PAINTED	ETR	SCRAPE AND PAINT EXISTING DOOR TO REMAIN
202A	3'-0"±	6'-8"±	H	STAINED	ETR - WD	PAINTED	HW-10	
202B	3'-0"	6'-8"	I	STAINED	F2	PAINTED	HW-10	
202C	3'-0"	6'-4"	I	STAINED	F2	PAINTED	HW-11	
203A	(2) 3'-0"±	6'-8"±	B	PAINTED	ETR - WD	PAINTED	HW-1	
203B	6'-0"±	6'-8"±	-	-	ETR - WD	PAINTED	-	
203C	3'-0"±	6'-8"±	B	PAINTED	ETR - WD	PAINTED	HW-2	
204	3'-0"±	6'-8"±	H	STAINED	ETR - WD	PAINTED	HW-12	
205A	3'-0"±	6'-8"±	H	STAINED	ETR - HM	PAINTED	HW-4	1.5-HR FIRE RATED DOOR
205B	3'-0"±	6'-8"±	H	STAINED	ETR - WD	PAINTED	HW-10	
206	3'-0"±	6'-8"±	H	STAINED	ETR - WD	PAINTED	HW-12	PROVIDED WITH 12"x12" HEAVY DUTY LOUVER
207A	3'-0"±	6'-8"±	C	PAINTED	ETR - WD	PAINTED	HW-2	1.5-HR FIRE RATED DOOR FAUX PANEL DETAILING INSTALLED ON EXTERIOR
207B	3'-0"±	6'-8"±	F	PAINTED	ETR - HM	PAINTED	HW-4	1.5-HR FIRE RATED DOOR
208	3'-0"±	6'-8"±	E	PAINTED	ETR - HM	PAINTED	HW-6	PROVIDED WITH 12"x12" HEAVY DUTY LOUVER
209	3'-0"±	6'-8"±	E	PAINTED	ETR - HM	PAINTED	HW-6	PROVIDED WITH 12"x12" HEAVY DUTY LOUVER
210	3'-0"±	6'-8"±	A	PAINTED	ETR - WD	PAINTED	HW-2	PROTECT EXISTING SADDLE THRESHOLD TO REMAIN
211	3'-0"±	6'-8"±	E	PAINTED	ETR - HM	PAINTED	HW-7	NEW ADA POWER OPERATOR W/ INT. AND EXT. SWITCHES. INSTALL NEW DOOR IN EX. FRAME WITH SWING REVERSED PER PLANS. MODIFY EXISTING FRAME.
212A	6'-0"±	6'-8"±	-	-	ETR - WD	PAINTED	-	
212B	6'-0"±	6'-8"±	-	-	ETR - WD	PAINTED	-	

VISITOR CENTER - SECOND FLOOR DOOR SCHEDULE

DOOR NO.	WIDTH	HEIGHT	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	HARDWARE	ADDITIONAL REMARKS
301A	3'-0"±	6'-8"±	H	STAINED	ETR - WD	PAINTED	HW-10	
301B	3'-0"±	6'-8"±	ETR	PAINTED	ETR - WD	PAINTED	HW-12	SALVAGE AND REINSTALL EX. DOOR IN EX. FRAME W/ SWING REVERSED PER PLANS. MODIFY EX. FRAME.
302	3'-0"±	6'-8"±	ETR	PAINTED	ETR - WD	PAINTED	HW-12	
303	3'-0"±	6'-8"±	ETR	PAINTED	ETR - WD	PAINTED	HW-12	
304	-	-	-	-	-	-	-	
305	3'-0"±	6'-8"±	H	STAINED	ETR - WD	PAINTED	HW-10	
306	3'-0"±	6'-8"±	H	STAINED	ETR - WD	PAINTED	HW-11	
307	3'-0"±	6'-8"±	H	STAINED	ETR - WD	PAINTED	HW-10	
308A	3'-0"±	6'-8"±	F	PAINTED	ETR - HM	PAINTED	HW-4	1.5-HR FIRE RATED DOOR
308B	3'-0"±	6'-8"±	F	PAINTED	ETR - HM	PAINTED	HW-4	1.5-HR FIRE RATED DOOR
309A	6'-0"±	6'-8"±	-	-	ETR - WD	PAINTED	-	
309B	6'-0"±	6'-8"±	-	-	ETR - WD	PAINTED	-	
309C	6'-0"±	6'-8"±	-	-	ETR - WD	PAINTED	-	



TYPICAL ADA POWER DOOR OPERATOR HEAD DETAIL

SCALE: 3"=1'-0"

BLUE HERON DOOR SCHEDULE

DOOR NO.	WIDTH	HEIGHT	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	HARDWARE	ADDITIONAL REMARKS
101A	(2) 3'-0"±	6'-8"±	B	FACTORY	ETR	PAINTED	HW-1	NEW ADA POWER OPERATOR W/ INT. AND EXT. SWITCHES
101B	(2) 3'-0"±	6'-8"±	J	PAINTED	ETR	PAINTED	HW-8	
102	3'-0"	6'-8"	I	PAINTED	F2	PAINTED	HW-11	
103	-	-	-	-	-	-	-	
104	3'-0"±	7'-0"±	I	STAINED	ETR	PAINTED	HW-6	PROVIDE WITH 12"x12" HEAVY DUTY LOUVER
105	3'-0"±	7'-0"±	I	STAINED	ETR	PAINTED	HW-6	PROVIDE WITH 12"x12" HEAVY DUTY LOUVER
106A	(2) 3'-0"±	7'-0"±	C	FACTORY	ETR	PAINTED	HW-5	
106B	(2) 3'-0"±	7'-0"±	I	STAINED	ETR	PAINTED	HW-13	
107	2'-8"±	6'-8"±	E	FACTORY	ETR	PAINTED	HW-7	PROVIDE WITH 12"x12" HEAVY DUTY LOUVER
108	(2) 3'-0"±	6'-8"±	E	FACTORY	ETR	PAINTED	HW-7 (x2)	PROVIDE WITH (2) 12"x12" HEAVY DUTY LOUVERS
109A	3'-0"±	6'-8"±	B	FACTORY	ETR	PAINTED	HW-2	
109B	(2) 3'-0"±	6'-8"±	B	FACTORY	ETR	PAINTED	HW-1	
109C	3'-0"±	6'-8"±	B	FACTORY	ETR	PAINTED	HW-2	

HARDWARE SETS

HW-1
- (6) HIGH FREQUENCY HINGES
- (2) CLOSERS
- (2) VERTICAL ROD EXIT DEVICES CLASSROOM FUNCTION LEVER LOCKSET & NIGHT LATCH FUNCTION
- FULL-WIDTH ALUMINUM THRESHOLD
- (4) KICKPLATES (BOTH SIDES)
- SILENCERS
- PERIMETER GASKETING
- ADJUSTABLE ASTRAGAL (AS-4A)

HW-2
- (3) HIGH FREQUENCY HINGES
- CLOSER
- RIM EXIT DEVICE W/ CLASSROOM FUNCTION LEVER LOCKSET
- ALUMINUM THRESHOLD
- KICKPLATE (PUSH SIDE)
- SILENCERS
- PERIMETER GASKETING

HW-3
- (6) HIGH FREQUENCY HINGES
- (2) CLOSERS (PUSH SIDE)
- PUSH / PULL SET
- (4) KICK PLATES (BOTH SIDES)
- (2) MAGNETIC DOOR STOP / HOLD-OPEN SETS

HW-4
- (1) RIM EXIT DEVICE WITH CLASSROOM FUNCTION LEVER LOCKSET
- (3) MEDIUM FREQUENCY HINGES
- (1) CLOSER
- (1) WALL MOUNTED DOOR STOP
- (1) KICKPLATES (PUSH SIDE)
- PERIMETER GASKETING
- SILENCERS
- SLOPED ALUMINUM TRANSITION STRIP

HW-4A
- (1) RIM EXIT DEVICE WITH CLASSROOM FUNCTION LEVER LOCKSET
- (6) MEDIUM FREQUENCY HINGES
- (2) CLOSERS
- (2) WALL MOUNTED DOOR STOPS
- (2) KICKPLATES (PUSH SIDE)
- PERIMETER GASKETING
- SLIDE-BOLTS ON TOP AND BOTTOM OF INACTIVE LEAF (PUSH SIDE)
- SECURITY ASTRAGAL WITH VINYL GASKET (AS-1R)
- SILENCERS

HW-5
- (1) RIM EXIT DEVICE WITH CLASSROOM FUNCTION LEVER LOCKSET
- (6) MEDIUM FREQUENCY HINGES
- (2) CLOSERS
- (1) WALL MOUNTED DOOR STOPS
- (2) KICKPLATES (PUSH SIDE)
- SLIDE-BOLTS ON TOP AND BOTTOM OF INACTIVE LEAF (PUSH SIDE)
- PERIMETER GASKETING
- SILENCERS

HW-6
- (3) HIGH FREQUENCY HINGES
- CLOSER
- MAGNETIC HOLD-OPEN DEVICE
- SILENCERS
- PUSH / PULL SET
- KICK PLATE (BOTH SIDES)
- MARBLE THRESHOLD

HW-7
- (3) MEDIUM FREQUENCY HINGES
- STORAGE FUNCTION LEVER LOCKSET
- SILENCERS

HW-8
- (6) HIGH FREQUENCY HINGES
- (2) CLOSERS (PUSH SIDE)
- (1) MORTISE EXIT DEVICE CLASSROOM FUNCTION LEVER LOCKSET
- (2) KICKPLATES (PUSH SIDE)
- (2) DOOR MOUNTED KICK-DOWN HOLDS
- SLIDE-BOLTS ON TOP AND BOTTOM OF INACTIVE LEAF (PUSH SIDE)
- SILENCERS

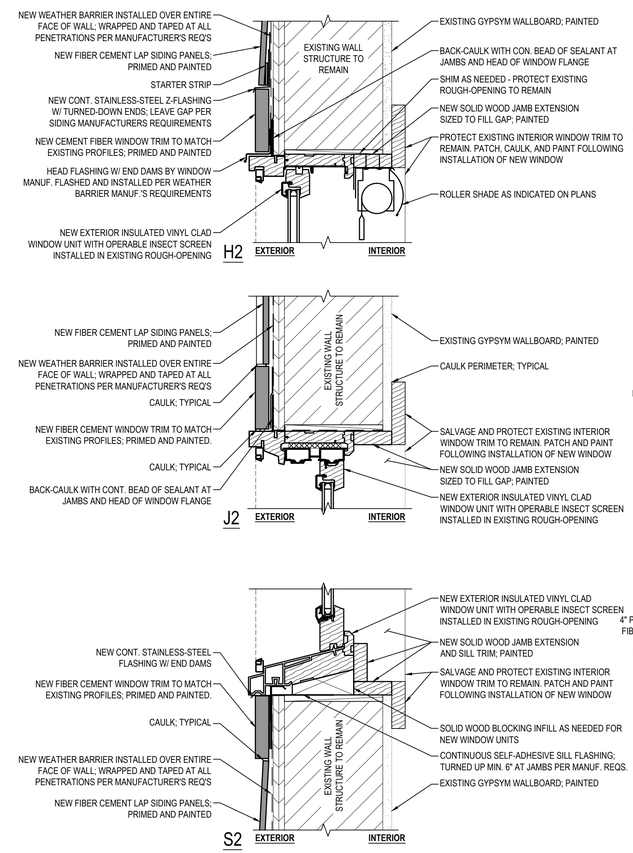
HW-9
- NOT USED

HW-10
- CLASSROOM FUNCTION LEVER LOCKSET
- (3) HIGH FREQUENCY HINGES
- WALL MOUNTED DOOR STOP
- SILENCERS

HW-11
- CLOSET FUNCTION LEVER LOCKSET
- (3) HIGH FREQUENCY HINGES
- WALL MOUNTED DOOR STOP
- SILENCERS

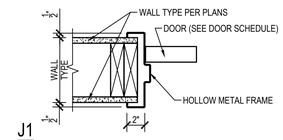
HW-12
- OFFICE FUNCTION LEVER LOCKSET
- (3) MEDIUM FREQUENCY HINGES
- WALL MOUNTED DOOR STOP
- SILENCERS

HW-13
- (6) DOUBLE-ACTING SPRING HINGES
- WALL MOUNTED DOOR STOPS



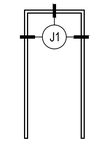
TYPICAL WINDOW JAMB, SILL, AND HEAD DETAILS

SCALE: 3"=1'-0"



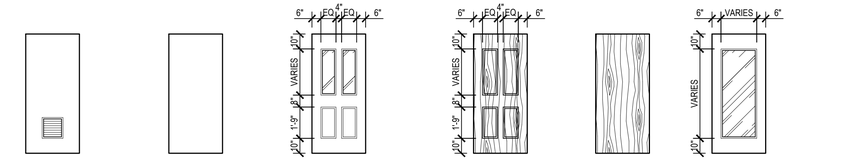
JAMB TYPES

SCALE: 1-1/2"=1'-0"



F2

(16) GAUGE HOLLOW METAL KNOCK DOWN WRAP FRAME



A — 1-3/4" THICK EXTERIOR INSULATED FIBERGLASS DOOR WITH SMOOTH TEXTURE, INSULATED VISION LITES, AND APPLIED FAUX PANEL DETAILING ON BOTH SIDES

B — 1-3/4" THICK EXTERIOR INSULATED FIBERGLASS DOOR WITH SMOOTH TEXTURE, AND 1" INSULATED VISION LITES; BOTTOM LITE TO BE PROVIDED WITH LAMINATED SAFETY GLAZING

C — 1-3/4" THICK FLUSH EXTERIOR INSULATED FIBERGLASS DOOR WITH SMOOTH TEXTURE

D — 1-3/4" THICK FLUSH EXTERIOR INSULATED FIBERGLASS DOOR WITH SMOOTH TEXTURE AND 12X12 HEAVY DUTY ALUMINIUM LOUVER WITH INSECT SCREEN

E — 1-3/4" THICK FLUSH INTERIOR FIBERGLASS DOOR WITH SMOOTH TEXTURE AND 12X12 HEAVY DUTY ALUMINIUM LOUVER

F — 1-3/4" THICK FLUSH INTERIOR FIBERGLASS DOOR WITH SMOOTH TEXTURE

G — 1-3/4" THICK INTERIOR FIBERGLASS DOOR WITH SMOOTH TEXTURE, 1/4" THICK VISION LITES, AND APPLIED FAUX PANEL DETAILING ON BOTH SIDES

H — 1-3/4" THICK INTERIOR SOLID WOOD RAIL & STILE PANEL DOOR

I — 1-3/4" THICK SOLID CORE INTERIOR FLUSH WOOD VENEER DOOR

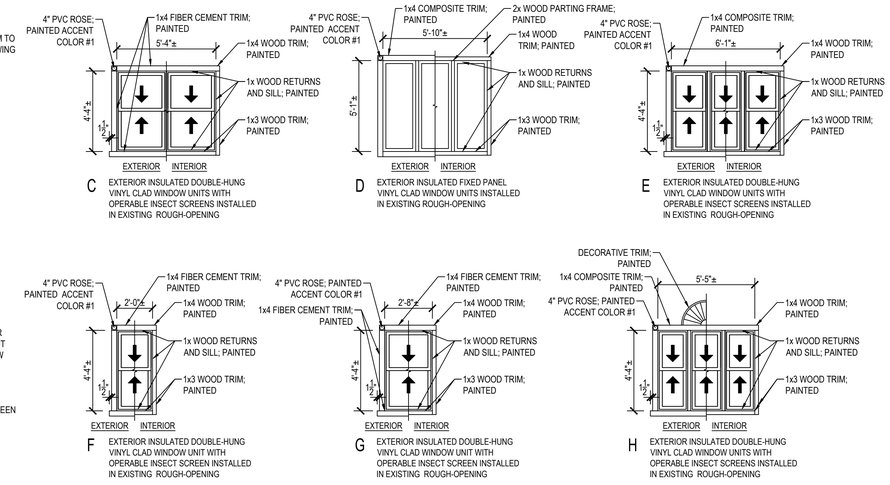
J — 1-3/4" THICK INTERIOR FIBERGLASS DOOR WITH SMOOTH TEXTURE, 1/4" THICK VISION LITES PROVIDED WITH LAMINATED SAFETY GLAZING

FRAME TYPES

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

DOOR TYPES

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



C — EXTERIOR INSULATED DOUBLE-HUNG VINYL CLAD WINDOW UNITS WITH OPERABLE INSECT SCREENS INSTALLED IN EXISTING ROUGH-OPENING

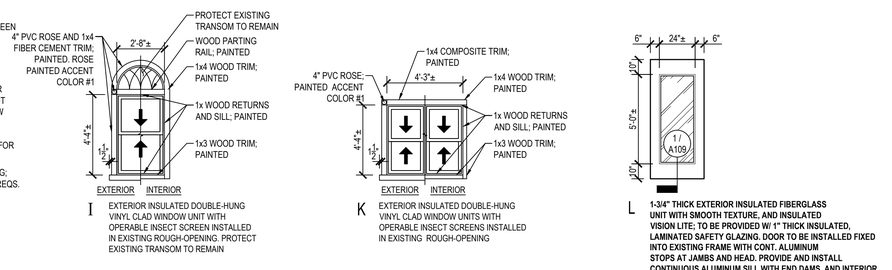
D — EXTERIOR INSULATED FIXED PANEL VINYL CLAD WINDOW UNITS INSTALLED IN EXISTING ROUGH-OPENING

E — EXTERIOR INSULATED DOUBLE-HUNG VINYL CLAD WINDOW UNITS WITH OPERABLE INSECT SCREENS INSTALLED IN EXISTING ROUGH-OPENING

F — EXTERIOR INSULATED DOUBLE-HUNG VINYL CLAD WINDOW UNIT WITH OPERABLE INSECT SCREEN INSTALLED IN EXISTING ROUGH-OPENING

G — EXTERIOR INSULATED DOUBLE-HUNG VINYL CLAD WINDOW UNIT WITH OPERABLE INSECT SCREENS INSTALLED IN EXISTING ROUGH-OPENING

H — EXTERIOR INSULATED DOUBLE-HUNG VINYL CLAD WINDOW UNITS WITH OPERABLE INSECT SCREENS INSTALLED IN EXISTING ROUGH-OPENING



I — EXTERIOR INSULATED DOUBLE-HUNG VINYL CLAD WINDOW UNIT WITH OPERABLE INSECT SCREEN INSTALLED IN EXISTING ROUGH-OPENING. PROTECT EXISTING TRANSOM TO REMAIN

K — EXTERIOR INSULATED DOUBLE-HUNG VINYL CLAD WINDOW UNITS WITH OPERABLE INSECT SCREENS INSTALLED IN EXISTING ROUGH-OPENING

L — 1-3/4" THICK EXTERIOR INSULATED FIBERGLASS UNIT WITH SMOOTH TEXTURE, AND INSULATED VISION LITE; TO BE PROVIDED W/ 1" THICK INSULATED, LAMINATED SAFETY GLAZING. DOOR TO BE INSTALLED FIXED INTO EXISTING FRAME WITH CONT. ALUMINUM STOPS AT JAMBS AND HEAD. PROVIDE AND INSTALL CONTINUOUS ALUMINUM SILL WITH END DAMS, AND INTERIOR STOP, SET IN FULL BED OF WATER CUT-OFF MASTIC

WINDOW TYPES

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

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

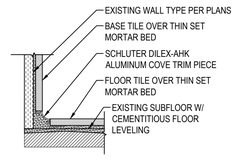
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JM CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO.45 OF 73	DOOR AND WINDOW SCHEDULES
		PROJECT NO. P584600	A601
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. P584608	

VISITOR CENTER FINISH SCHEDULE

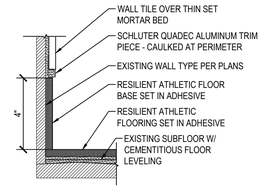
ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	ADDITIONAL REMARKS
GROUND FLOOR.						
101	VESTIBULE	RESILIENT ATHLETIC	RESILIENT ATHLETIC	PAINTED	A.L.I CEILING TILE 'A'	
102	LOBBY	RESILIENT ATHLETIC	RESILIENT ATHLETIC	PAINTED	A.L.I CEILING TILE 'A'	
103	STAIRS #1	VCT	4" RESILIENT WALL BASE	PAINTED	A.L.I CEILING TILE 'A'	PAINT ALL EXISTING GYPSUM WALLBOARD CEILINGS TO REMAIN
104	WOMENS RESTROOM	RESILIENT ATHLETIC	RESILIENT ATHLETIC	PAINTED / CERAMIC TILE	A.L.I CEILING TILE 'B'	
105	MENS RESTROOM	RESILIENT ATHLETIC	RESILIENT ATHLETIC	PAINTED / CERAMIC TILE	PAINTED	
106	JANITOR	RESILIENT ATHLETIC	RESILIENT ATHLETIC	PAINTED	A.L.I CEILING TILE 'B'	
107	WARMING ROOM	RESILIENT ATHLETIC	RESILIENT ATHLETIC	PAINTED	A.L.I CEILING TILE 'A'	PAINT ALL EXISTING GYPSUM WALLBOARD CEILINGS TO REMAIN
108	RENTAL	RESILIENT ATHLETIC	RESILIENT ATHLETIC	PAINTED	A.L.I CEILING TILE 'A'	PAINT ALL EXISTING GYPSUM WALLBOARD CEILINGS TO REMAIN
109	STORAGE	ETR / RESILIENT ATHLETIC	ETR	ETR	ETR	SEE PLANS FOR EXTENT OF RESILIENT ATHLETIC FLOORING
110	MECHANICAL	ETR	ETR	ETR	ETR	
111	LOBBY	RESILIENT ATHLETIC	RESILIENT ATHLETIC	PAINTED	A.L.I CEILING TILE 'A'	
112	ELEVATOR ROOM	ETR	ETR	ETR	ETR	
113	ELEVATOR	N.I.C	N.I.C	N.I.C	N.I.C	
FIRST FLOOR.						
201	GREAT ROOM	RIGID CORE 'A' & 'B'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING BRICK FIREPLACE AND WOOD BASE TO REMAIN; STAINED TO MATCH RC-B. SEE FLOOR PLANS FOR RIGID CORE PATTERN.
202A	OFFICE	CARPET TILE 'B'	4" RESILIENT WALL BASE	PAINTED	PAINTED	
202B	OFFICE	CARPET TILE 'B'	4" RESILIENT WALL BASE	PAINTED	PAINTED	
202C	CLOSET	CARPET TILE 'B'	4" RESILIENT WALL BASE	PAINTED	PAINTED	
203	GALLERY	CARPET TILE 'A' & 'B'; RIGID CORE 'A' & 'B'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING WOOD BASE TO REMAIN; STAINED TO MATCH RC-B. SEE FLOOR PLANS FOR CARPET TILE AND RIGID CORE PATTERN.
204	MANAGER OFFICE	CARPET TILE 'B'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING WOOD BASE TO REMAIN; PAINTED
205	OPEN OFFICE	CARPET TILE 'A'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING WOOD BASE TO REMAIN; PAINTED
206	STORAGE	SD VCT	4" RESILIENT WALL BASE	PAINTED	PAINTED	STATIC DISSIPATIVE VCT PROVIDED WITH GROUNDING COMPONENTS
207	STAIR #1	VCT	4" RESILIENT WALL BASE	PAINTED	PAINTED	
208	WOMENS RESTROOM	CERAMIC FLOOR TILE	CERAMIC WALL BASE	PAINTED / CERAMIC TILE	PAINTED	SEE TYPICAL CERAMIC TILE DETAILS AND INTERIOR ELEVATIONS
209	MENS RESTROOM	CERAMIC FLOOR TILE	CERAMIC WALL BASE	PAINTED / CERAMIC TILE	PAINTED	SEE TYPICAL CERAMIC TILE DETAILS AND INTERIOR ELEVATIONS
210	VESTIBULE	CARPET TILE 'WO'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING WOOD BASE TO REMAIN; STAINED TO MATCH RC-B
211	JANITOR	VCT	4" RESILIENT WALL BASE	PAINTED	PAINTED	
212	HALLWAY	RIGID CORE 'B'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING WOOD BASE TO REMAIN; STAINED TO MATCH RC-B
213	VESTIBULE	CARPET TILE 'WO'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING WOOD BASE AND SLAT WALL TO REMAIN.
214	ELEVATOR	N.I.C	N.I.C	N.I.C	N.I.C	
SECOND FLOOR.						
301A	STORAGE	VCT	4" RESILIENT WALL BASE	PAINTED	PAINTED	
301B	ATTIC SPACE	ETR	ETR	ETR	ETR	
302	BATHROOM	ETR	ETR	ETR	ETR	
303	BATHROOM	ETR	ETR	ETR	ETR	
304	GALLERY	CARPET TILE 'B'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING WOOD BASE TO REMAIN; STAINED TO MATCH RC-B
305	OPEN OFFICE	CARPET TILE 'B'	4" RESILIENT WALL BASE	PAINTED	PAINTED	
306	STORAGE	VCT	4" RESILIENT WALL BASE	PAINTED	PAINTED	
307	MEETING ROOM	CARPET TILE 'B'	4" RESILIENT WALL BASE	PAINTED	PAINTED	
308	STAIR #1	VCT	4" RESILIENT WALL BASE	PAINTED	PAINTED	
309	HALLWAY	CARPET TILE 'B'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING WOOD BASE TO REMAIN; STAINED TO MATCH RC-B
310	ELEVATOR	N.I.C	N.I.C	N.I.C	N.I.C	

BLUE HERON FINISH SCHEDULE

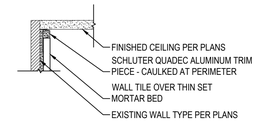
ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	ADDITIONAL REMARKS
GROUND FLOOR.						
101	LOBBY	CERAMIC FLOOR TILE	CERAMIC WALL BASE	PAINTED	A.L.I CEILING TILE 'A'	
102	COAT ROOM	CERAMIC FLOOR TILE	CERAMIC WALL BASE	PAINTED	A.L.I CEILING TILE 'A'	
103	VESTIBULE	CERAMIC FLOOR TILE	CERAMIC WALL BASE	PAINTED	A.L.I CEILING TILE 'A'	PAINT ALL EXISTING GYPSUM WALLBOARD CEILINGS TO REMAIN
104	WOMENS RESTROOM	ETR	ETR	PAINTED GWB / ETR TILE	A.L.I CEILING TILE 'B'	PROTECT EXISTING FINISHES TO REMAIN; PATCH TO MATCH ADJACENT FINISHES
105	MENS RESTROOM	ETR	ETR	PAINTED GWB / ETR TILE	A.L.I CEILING TILE 'B'	PROTECT EXISTING FINISHES TO REMAIN; PATCH TO MATCH ADJACENT FINISHES
106	KITCHEN	EPOXY	EPOXY	PAINTED	A.L.I CEILING TILE 'A'	SEE TYPICAL EPOXY FLOOR AND BASE DETAILS ON THIS SHEET
107	JANITOR	EPOXY	EPOXY	PAINTED	A.L.I CEILING TILE 'B'	
108	STORAGE	EPOXY	EPOXY	PAINTED	A.L.I CEILING TILE 'B'	
109	BLUE HERON ROOM	CARPET TILE 'C' + RIGID CORE 'B'	EXISTING WOOD BASE	PAINTED	PAINTED	PROTECT EXISTING WOOD BASE TO REMAIN; STAINED TO MATCH NEW DANCE FLOOR



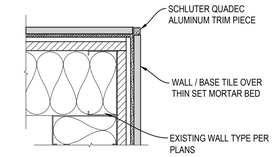
CERAMIC TILE WALL BASE (1)
SCALE: 3"=1'-0"



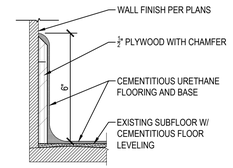
CERAMIC TILE W/ R.A.F. WALL BASE (2)
SCALE: 3"=1'-0"



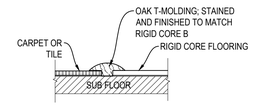
CERAMIC TILE W/ CEILING TRIM (3)
SCALE: 3"=1'-0"



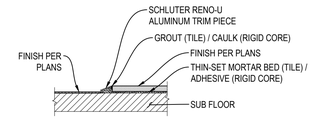
CERAMIC TILE CORNER TRIM (4)
SCALE: 3"=1'-0"



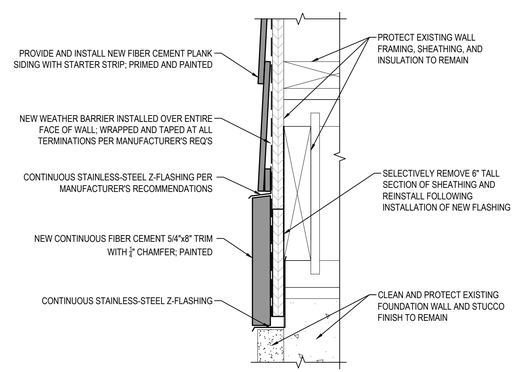
EPOXY FLOOR AND WALL BASE (5)
SCALE: 3"=1'-0"



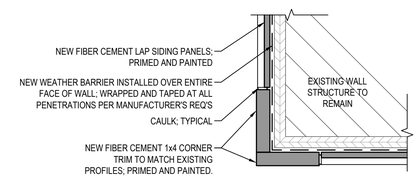
T-MOLDING TRANSITION (6)
SCALE: 3"=1'-0"



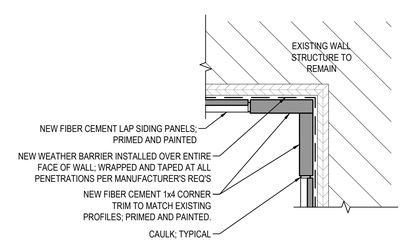
SLOPED ALUMINUM TRANSITION (7)
SCALE: 3"=1'-0"



SIDING TRANSITION DETAIL (A)
SCALE: 1-1/2"=1'-0"



SIDING OUTSIDE CORNER DETAIL (B)
SCALE: 1-1/2"=1'-0"



SIDING INSIDE CORNER DETAIL (C)
SCALE: 1-1/2"=1'-0"

RRMM ARCHITECTS, PC
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOSEPH A. GRAVES — No. 21386 — ARCHITECT

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 21386, EXPIRATION DATE 01/11/2027."

(C) RRMM ARCHITECTS
ALL REPRODUCTION IS PROHIBITED

NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 3-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK — FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS — 600 QUIET WATERS PARK RD — ANNAPOLIS, MD 21403
		DRAWN BY: JM	
		CHECKED BY: JG	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO.46 OF 73	FINISH SCHEDULES AND DETAILS
		PROJECT NO. P584600	A602
		CONTRACT NO. P584608	

ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ATC	AUTOMATIC TEMPERATURE CONTROL *
APPROX	APPROXIMATE
BAS	BUILDING AUTOMATION SYSTEM *
BLDG	BUILDING
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
℄	CENTERLINE
CONC	CONCRETE
COND	CONDENSATE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CTE	CONNECT TO EXISTING
CW	COLD WATER
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
(E)	EXISTING TO REMAIN
EX	EXISTING
EG	EXHAUST GRILLE
EF	EXHAUST FAN
EFF	EFFICIENCY
EL	ELEVATION
ELECT	ELECTRICAL
F	DEGREE FAHRENHEIT
FT	FEET
FT OF W	FEET OF WATER
GAL	GALLON
GPM	GALLONS PER MINUTE
HP	HORSE POWER
HS	HEATING WATER SUPPLY
HR (HWR)	HEATING WATER RETURN
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HZ	HERTZ
IN	INCH
KW	KILOWATT
LB	POUND
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MECH	MECHANICAL
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
MTD	MOUNTED
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PD	PRESSURE DROP
PH	PHASE
PRESS	PRESSURE
PSI	POUNDS PER SQUARE INCH

ABBREVIATION	DESCRIPTION
PSIG	POUNDS PER SQ INCH GAGE
(R)	REMOVE
REQD	REQUIRED
RND	ROUND
RPM	REVOLUTIONS PER MINUTE
SENS	SENSIBLE
TEMP	TEMPERATURE
TYP	TYPICAL
UH	UNIT HEATER
V	VOLT
VTR	VENT THROUGH ROOF
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAGE
L-	LOUVER
L	LONG
CH	CABINET HEATER
EWT	ENTERING WATER TEMPERATURE
D	DEEP
H	HIGH
W	WIDE
TD	TRANSFER DUCT
TG	TRANSFER GRILLE
PRV	PRESSURE REDUCING VALVE
DL	DOOR LOUVER
DP	DIFFERENTIAL PRESSURE
AG	ABOVE GRADE
CF	CHEMICAL FEEDER
FD	FIRE DAMPER
XT	EXPANSION TANK
TS	TEMPERATURE SENSOR
HTG	HEATING
VFD	VARIABLE FREQUENCY DRIVE
LGT	LENGTH
AS	AIR SEPARATOR

* - BAS, FMS & ATC ALL HAVE THE SAME MEANING.

GENERAL NOTES

1. EXISTING UTILITIES, THAT ARE TO REMAIN IN SERVICE, SHALL BE PROTECTED DURING DEMOLITION AND CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING THE EXISTING LOCATIONS OF ALL UTILITIES. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. ALL CUT OR DAMAGED SURFACES SHALL BE REPLACED OR REPAIRED TO ORIGINAL CONDITION(S) AT NO ADDITIONAL COST TO THE OWNER.
3. THE DEMOLITION PLANS DEPICT FIELD CONDITIONS AS KNOWN. MINOR VARIATIONS ARE TO BE EXPECTED. ANY MAJOR DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER OF RECORD'S ATTENTION.
4. THE EXISTING DEMOLITION PLANS DEPICT FIELD CONDITIONS AS KNOWN. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION(S) AND QUANTITIES OF EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AND OTHER ITEMS FOR REMOVAL OR SALVAGE PURPOSES, AS REQUIRED FOR THE RENOVATION WORK.
5. DEMOLITION OF EACH CONTROL COMPONENT INCLUDES ALL ASSOCIATED WIRING, CONDUITS, SENSORS, PANELS, AND ELECTRICAL POWER SUPPLY, UNLESS OTHERWISE NOTED ON THE PLANS. PATCH ANY SURFACES TO ORIGINAL CONDITION, UNLESS NOTED OTHERWISE.
6. CAPPING PIPES SHALL INCLUDE PROVIDING MATERIALS THAT MATCH EXISTING PIPE, WITH SOLDERED, FLANGED, WELDED, OR THREADED CAP AS REQUIRED MATCHING EXISTING PIPE JOINT METHOD. CAP SHALL BE TESTED TO MINIMUM 150 PERCENT SYSTEM WORKING PRESSURES.
7. UNLESS OTHERWISE NOTED, CAPPING AND/OR PLUGGING PIPES AT FLOOR SHALL INCLUDE REMOVING PIPE TO MINIMUM 3-INCHES BELOW TOP OF FLOOR, AND CAPPING AS NOTED ABOVE. FLOOR SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS, OR PREPARED FOR PROPOSED SURFACE.
8. NEW WORK SHOWN ON THE PLANS IS DIAGRAMMATIC IN NATURE. FINAL LOCATIONS OF ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL BE COORDINATED WITH THE OTHER BUILDING TRADES. ALL MECHANICAL ITEMS SHALL BE INSTALLED PER LOCAL, STATE, AND FEDERAL CODES, AS WELL AS PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL TAKE SPECIAL CARE TO ENSURE ALL CLEARANCES ARE MAINTAINED FOR PROPER ACCESS AND MAINTENANCE OF THE EQUIPMENT.
9. CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS SHOWING ALL PROPOSED DUCTWORK, PIPING, EQUIPMENT, TERMINAL BOXES, DIFFUSERS, SPRINKLER SYSTEM, ETC. COORDINATED WITH LIGHTS, BUILDING STRUCTURE, CEILING AND OTHER RELATED ELEMENTS.
10. WHERE THE CONTRACTOR SUBMITS EQUIPMENT OTHER THAN THAT SCHEDULED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL ELECTRICAL POWER, PIPING CONNECTIONS, DUCTWORK CONNECTIONS, AND OTHER ASSOCIATED ITEMS ARE COORDINATED. NO ADDITIONAL COSTS WILL BE ALLOWED FOR NECESSARY CHANGES TO FURNISH AND INSTALL THE SUBMITTED EQUIPMENT.
11. PROVIDE PLASTIC IDENTIFICATION MARKERS FOR ALL PIPING, EQUIPMENT, AND VALVES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
12. PROVIDE DIELECTRIC FITTINGS, HANGERS, AND NIPPLES AS NECESSARY BETWEEN ITEMS MADE OF DISSIMILAR MATERIALS.
13. PROVIDE PIPE HANGERS FOR ALL NEW PIPING SUPPORTED FROM THE BUILDING STRUCTURE.
14. PROVIDE VIBRATION ISOLATORS FOR ALL MOVING EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
15. UNLESS OTHERWISE NOTED, ALL ISOLATION AND BALANCING VALVES SHALL BE THE SAME SIZE AS THE PIPE THEY ARE INSTALLED IN.
16. UNLESS OTHERWISE NOTED, ALL CONTROL VALVES SHALL BE ONE PIPE SIZE SMALLER THAN THE PIPE THEY ARE INSTALLED IN. FINAL SELECTION OF THE CONTROL VALVES SHALL BE BY THE CONTROL SYSTEM SUPPLIER, SIZED TO PROVIDE THE NECESSARY FLOWS FOR EACH COIL OR APPLICATION.
17. ALL NEW (AND EXISTING WHEN AFFECTED BY CONSTRUCTION) DOMESTIC WATER PIPING SHALL BE CLEANED AND DISINFECTED PER LOCAL CODE REQUIREMENTS.
18. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN ALL PIPING SYSTEMS. PROVIDE DRAINS AT ALL LOW POINTS IN ALL PIPING SYSTEMS. PROVIDE AUTOMATIC AIR VENTS AT LOCATIONS INDICATED ON THE PLANS.
19. PROVIDE STRAINERS BEFORE ALL CONTROL VALVES AND/OR COILS.
20. PROVIDE FLEXIBLE PIPE CONNECTIONS AT ALL PUMPS, AIR COMPRESSORS, AND AT OTHER EQUIPMENT THAT MOVES.
21. PIPING AND DUCTWORK PLANS ARE DIAGRAMMATIC ONLY. PROVIDE NECESSARY BENDS AND TRANSITIONS FOR INSTALLATION AROUND NEW AND EXISTING STRUCTURE, PIPING, DUCTS, CONDUITS, LIGHTING FIXTURES, ETC.
22. UNLESS OTHERWISE NOTED, ALL MECHANICAL SYSTEMS SHALL BE TESTED AND BALANCED PER AABC OR NEBB REQUIREMENTS.
23. EXISTING EQUIPMENT PADS SHALL BE MODIFIED AS REQUIRED TO ACCOMODATE NEW EQUIPMENT
24. REMOVAL SYMBOL "(R)" IN THE CONTEXT OF MECHANICAL EQUIPMENT SHALL MEAN THE REMOVAL AND DISPOSAL OF THE EQUIPMENT AND CAPPING THE ASSOCIATED DUCTS/PIPING AS REQUIRED (UNLESS SUCH DUCTWORK AND/OR PIPING IS SHOWN FOR RECONNECTION).
25. CONTRACTOR SHALL COORDINATE WITH THE ROOF MANUFACTURER OF RECORD AND ENGAGE A QUALIFIED ROOFING SUBCONTRACTOR FOR ANY PATCHING AND FLASHING REQUIRED TO MAINTAIN THE EXISTING ROOF WARRANTY.
26. SUBMITTALS SHALL BE PROVIDED BY THE CONTRACTOR, REVIEWED AND ACCEPTED BY THE ENGINEER-OF-RECORD/ARCHITECT, AND RETURNED TO THE CONTRACTOR PRIOR TO THE RELEASE OR INSTALLATION OF ANY EQUIPMENT, DUCTWORK, PIPING, ETC. THE CONTRACTOR UNDERSTANDS THAT IF HE UNDERTAKES WORK PRIOR TO RECEIVING A FORMALLY REVIEWED AND ACCEPTED SUBMITTAL, SUCH WORK IS AT HIS OWN RISK AND MAY BE CHANGED AT NO ADDITIONAL COST TO THE OWNER BASED UPON SUBMITTAL COMMENTS.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	GATE VALVE
	CHECK VALVE
	GLOBE VALVE
	BALL VALVE
	TWO WAY CONTROL VALVE
	THREE WAY CONTROL VALVE
	BALANCE SHUT OFF VALVE (CIRCUIT SETTER)
TD	TRIPLE DUTY VALVE
	STRAINER
P	PRESSURE GAUGE AND COCK
	SAFETY OR RELIEF VALVE
	PRESSURE REDUCING VALVE (PRV)
	BUTTERFLY VALVE
	PIPE UP, PIPE DOWN
M.V.	MANUAL AIR VENT
A.V.	AUTOMATIC AIR VENT
T	THERMOMETER
TT	TEMPERATURE TRANSMITTER
PT	PRESSURE TRANSMITTER
FS	FLOW SENSOR / FLOW SWITCH
FM	FLOW METER
	EXHAUST GRILLE
CT	CURRENT TRANSMITTER
	FLEXIBLE CONNECTION
M M	MOTOR OPERATED DAMPER
	PUMP
G	GAS PIPING
	UNIT HEATER
T	THERMOSTAT/ TEMPERATURE SENSOR
	LIMIT OF DEMOLITION
	CONNECT TO EXISTING

AECOM
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — JOHN N. GRUEN — 52761 — PROFESSIONAL ENGINEER — 03-28-2025

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	DRAWN BY: CD	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
		CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
		SHEET NO. 47 OF 73	MECHANICAL LEGEND, GENERAL NOTES & ABBREVIATIONS
		PROJECT NO. P584600	M001
		CONTRACT NO. 10493	

AIR DEVICE SCHEDULE

DESIG.	TYPE	CFM RANGE	INLET SIZE	MODULE SIZE	THROW	MAX NC	BASIS OF DESIGN	REMARKS
EG-1	EXHAUST GRILLE	50	6x6	6x6	NA	30	TITUS/350FL	ALUMINUM, WHITE, NOTE 1
EG-2	EXHAUST GRILLE	225	8x8	8x8	NA	30	TITUS/350FL	ALUMINUM, WHITE, NOTE 1
EG-3	EXHAUST GRILLE	300	8x8	8x8	NA	30	TITUS/350FL	ALUMINUM, WHITE, NOTE 1
EG-4	EXHAUST GRILLE	300	12x12	24x24	NA	25	TITUS/PAR-AA	ALUMINUM, WHITE, NOTE 1
EG-5	EXHAUST GRILLE	400	12x12	24x24	NA	25	TITUS/PAR-AA	ALUMINUM, WHITE, NOTE 1
SD-1	SUPPLY DIFFUSER	300 - 500	12x12	24x24	NA	25	TITUS/TDC-AA	ALUMINUM, WHITE, NOTE 1
RG-3	SUPPLY DIFFUSER	665	15x15	24x24	NA	25	TITUS/TDC-AA	ALUMINUM, WHITE, NOTE 1
SD-3	SUPPLY DIFFUSER	100	5" RND	12x12	NA	25	TITUS/TMS-AA	ALUMINUM, WHITE, NOTE 1
SD-4	SUPPLY DIFFUSER	320	10"RND	24x24	NA	25	TITUS/TMS	ALUMINUM, WHITE, NOTE 1
RG-1	RETURN GRILLE	170-300	12x12	12x12	NA	25	TITUS/TDC-AA	ALUMINUM, WHITE, NOTE 1
RG-2	RETURN GRILLE	950	18x18	24x24	NA	25	TITUS/TDC-AA	ALUMINUM, WHITE, NOTE 1
SG-1	WALL/FLOOR SUPPLY GRILLE	100-225	18x4	18x4	NA	25	TITUS/CT-PP-0	ALUMINUM, PENCIL ROOF, NOTE 1
SG-2	WALL/FLOOR SUPPLY GRILLE	340	24x6	24x6	NA	25	TITUS/CT-PP-0	ALUMINUM, PENCIL PROOF, NOTE 1

NOTE:
1. PROVIDE AIR DEVICE WITH FULL FACE DAMPER, TITUS MODEL AG, OPPOSED BLADE.

ELECTRIC CABINET UNIT HEATER SCHEDULE

DESIGN.	KW	CFM	BTUH	VOLTS/PHASE	MODEL NO.	REMARKS
CUH-1	5	250	17,065	208	BERKO-MARLEY / CUH935	
CUH-2	2	--	9600	208	QMARK/AWH-4408F	1

NOTE: ALL UNITS SHALL HAVE UNITED MOUNTED, INTEGRAL, THERMOSTATS WITH "OFF" POSITION.
1. RECESSED, PROVIDE MOUNTING FRAME AND BACK BOX.

ENERGY RECOVERY VENTILATOR SCHEDULE

TAG	SUPPLY FAN CFM	SUPPLY FAN ESP	SUPPLY FAN HP	EXHAUST FAN CFM	EXHAUST FAN ESP	EXHAUST FAN HP	ELECTRICAL				BASIS OF DESIGN	REMARKS
							HP	VOLTAGE	HZ	PHASE		
ERV-1	300 CFM	0.07 IN-WG	0.5	300 CFM	0.01 IN-WG	0.5	0.5	208	60	1	EH07INV	

1. PROVIDE ERV WITH MANUFACTURER PROVIDED DISCONNECT SWITCH OR MOTOR RATED SWITCH.
2. PROVIDE WITH MERV 13 FILTER.

BYPASS TERMINAL UNIT SCHEDULE

DESIGN.	CFM MIN/MAX	SIZE	MANUFACTURER/MODEL	REMARKS
BT-1	90 / 300	6	PRICE / LGB	

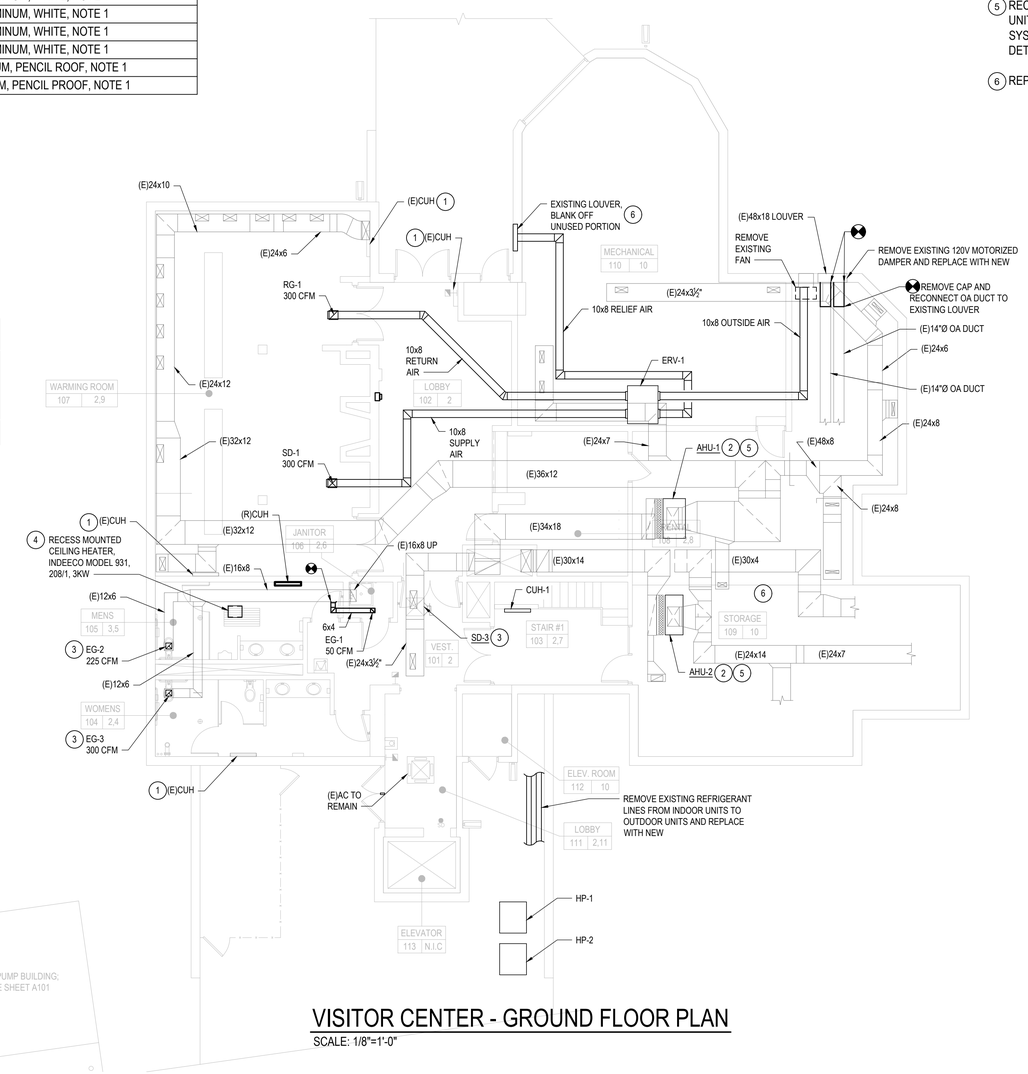
1. PROVIDE WITH LCD PROGRAMMABLE THERMOSTAT
2. PROVIDE WITH ELECTRIC ACTUATOR
3. PROVIDE WITH 115 TO 24 VOLT TRANSFORMER

AIR CONDITIONING UNIT SCHEDULE

DESIGN.	FAN DATA				ELECTRIC HEAT DATA		HEAT PUMP GROSS CAPACITY					BASIS-OF-DESIGN	REMARKS
	CFM	CFM 0.A.	HP (KW)	EXT. S.P.	KW	NO. OF STAGES	COOLING TOTAL (BTUH)	COOLING SENSIBLE (BTUH)	HEAT TOTAL (BTUH)	VOLTS/PHASE	MIN. CIRCUIT AMPS		
AHU-1	4,000	1,000	2.4	1.0	20	2	169.9	112.6	57.9	208 / 3	7.3	CARRIER 40RUQA012A2A	EC MOTOR
AHU-2	3,000	750	2.4 (1.79)	1.0	20	2	142.1	92.1	57.9	208 / 3	6.5	CARRIER 40RUQA08A2A	EC MOTOR

DRAWING NOTES:

1. THOROUGHLY CLEAN EXISTING CABINET UNIT HEATER, REMOVING GREASE MARKS, PAINT, ETC.
2. REMOVE EXISTING HEAT PUMP BOTH INDOOR AND OUTDOOR AND ALL ASSOCIATED CONTROLS, PIPING ETC. AND REPLACE WITH NEW.
3. REMOVE EXISTING AIR DEVICE AND REPLACE WITH NEW
4. PROVIDE UNIT WITH FACTORY MOUNTED INTEGRAL DISCONNECT SWITCH.
5. RECONNECT SUPPLY, RETURN, AND OUTSIDE AIR DUCTWORK TO NEW UNITS. CONNECT AND INTERLOCK NEW UNITS TO EXISTING CONTROL SYSTEM, INCLUDING, BUT NOT LIMITED TO, EXISTING SMOKE DETECTORS, SENSORS, ETC.
6. REPLACE ALL DUCT INSULATION IN MECHANICAL ROOM.



VISITOR CENTER - GROUND FLOOR PLAN

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

AECOM
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — JOHN N. GRUEN — 52761 — PROFESSIONAL ENGINEER — 03-28-2025

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

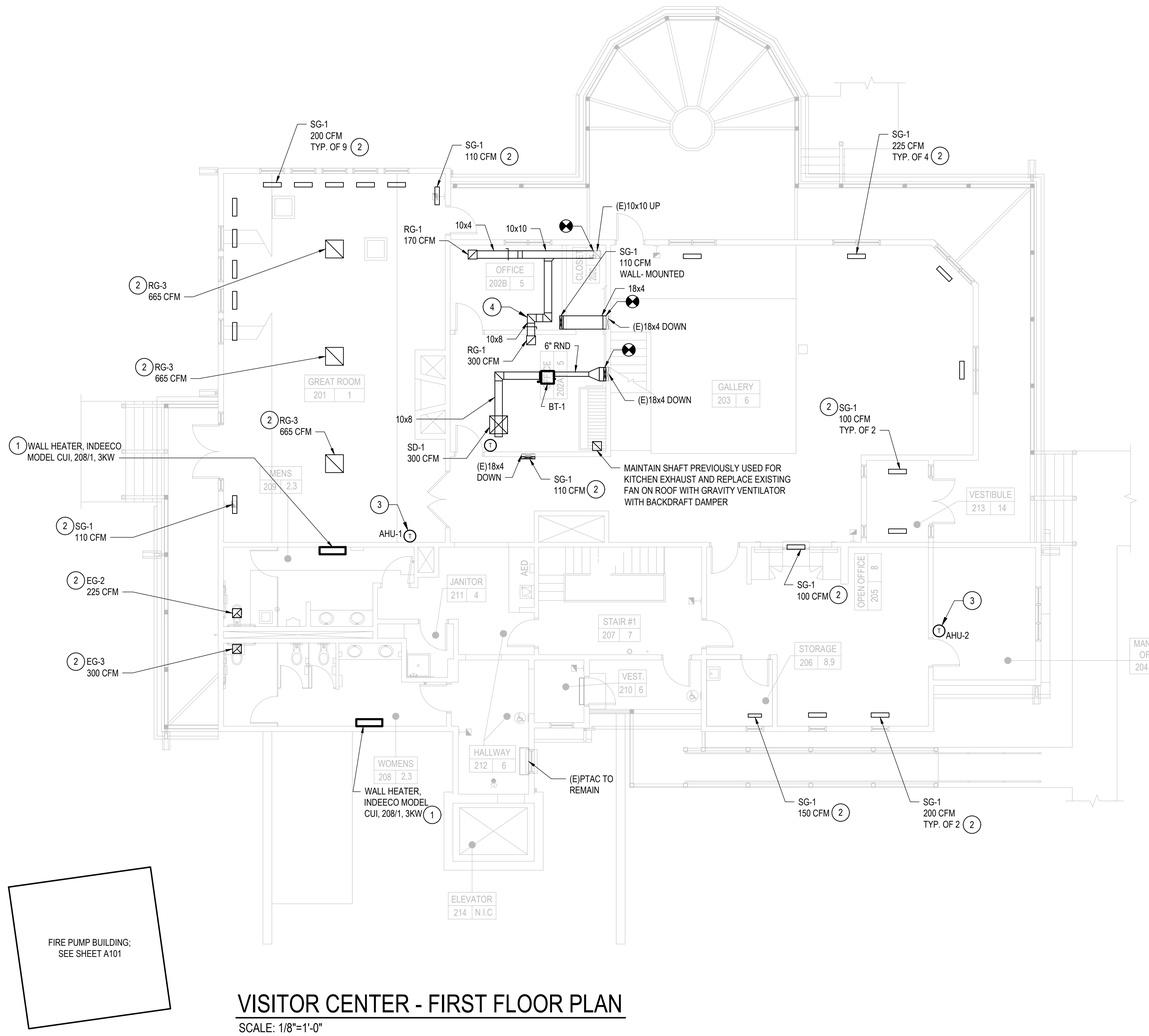
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK — FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS — 600 QUIET WATERS PARK RD — ANNAPOLIS, MD 21403
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	DRAWN BY: XCD	
		CHECKED BY: JCX	
		SHEET NO. 48 OF 73	VISITOR CENTER GROUND FLOOR MECHANICAL PLAN — M101
		PROJECT NO. P584600	
		CONTRACT NO. 10493	

DRAWING NOTES:

1. REMOVE EXISTING WALL HEATER AND CONNECT NEW UNIT TO EXISTING WIRING, ETC.
2. REMOVE EXISTING AIR DEVICE AND REPLACE WITH NEW.
3. PROVIDE NEW THERMOSTAT. MAINTAIN AND REINSTALL CLEAR SHIELD.
4. INSTALL DUCT WITH Z-BEND FOR SOUND ATTENUATION.



VISITOR CENTER - FIRST FLOOR PLAN

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

AECOM

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Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — JOHN N. GRIFFITH — 52761 — PROFESSIONAL ENGINEER
3-28-2025

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

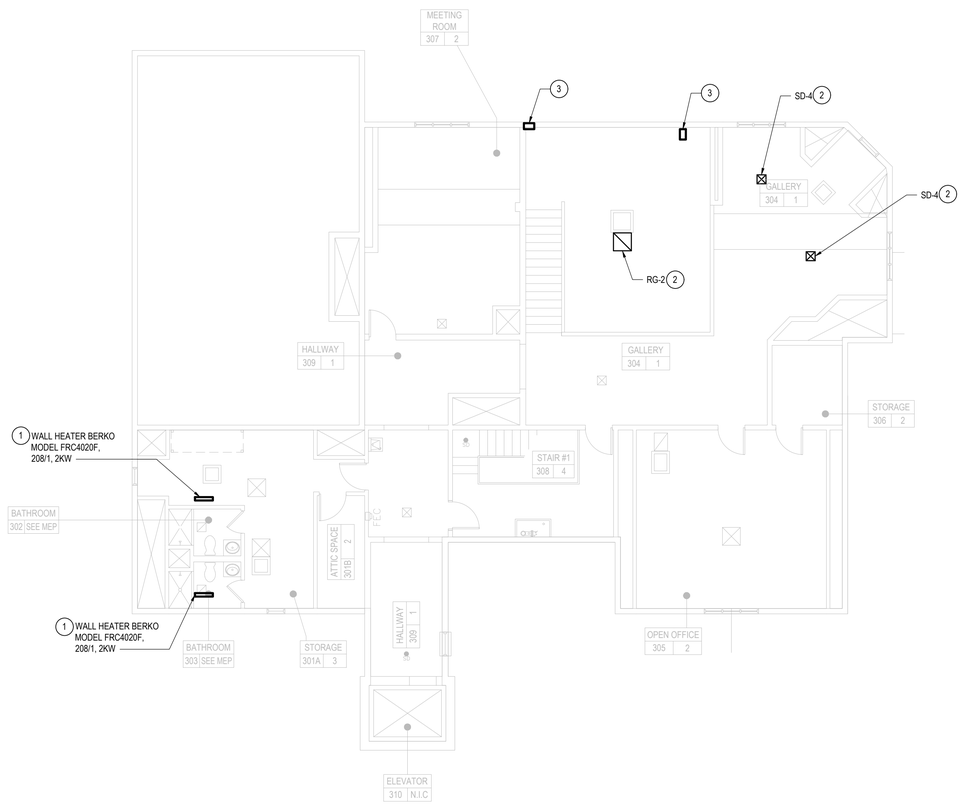
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: CD	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
APPROVED DATE	APPROVED DATE	CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	SHEET NO. 49 OF 73	VISITOR CENTER FIRST FLOOR MECHANICAL PLAN
		PROJECT NO. P584600	M102
		CONTRACT NO. 10493	

DRAWING NOTES:

1. REMOVE EXISTING WALL HEATER AND CONNECT NEW UNIT TO EXISTING WIRING, ETC.
2. REMOVE EXISTING AIR DEVICE AND REPLACE WITH NEW.
3. REMOVE EXISTING AIR DEVICE AND REPLACE WITH NEW, VERIFY SIZE IN FIELD PRIOR TO REMOVAL.



VISITOR CENTER - SECOND FLOOR PLAN

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

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

AECOM
4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — JOHN N. GRUEN — 52761 — PROFESSIONAL ENGINEER — 03-28-2025

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

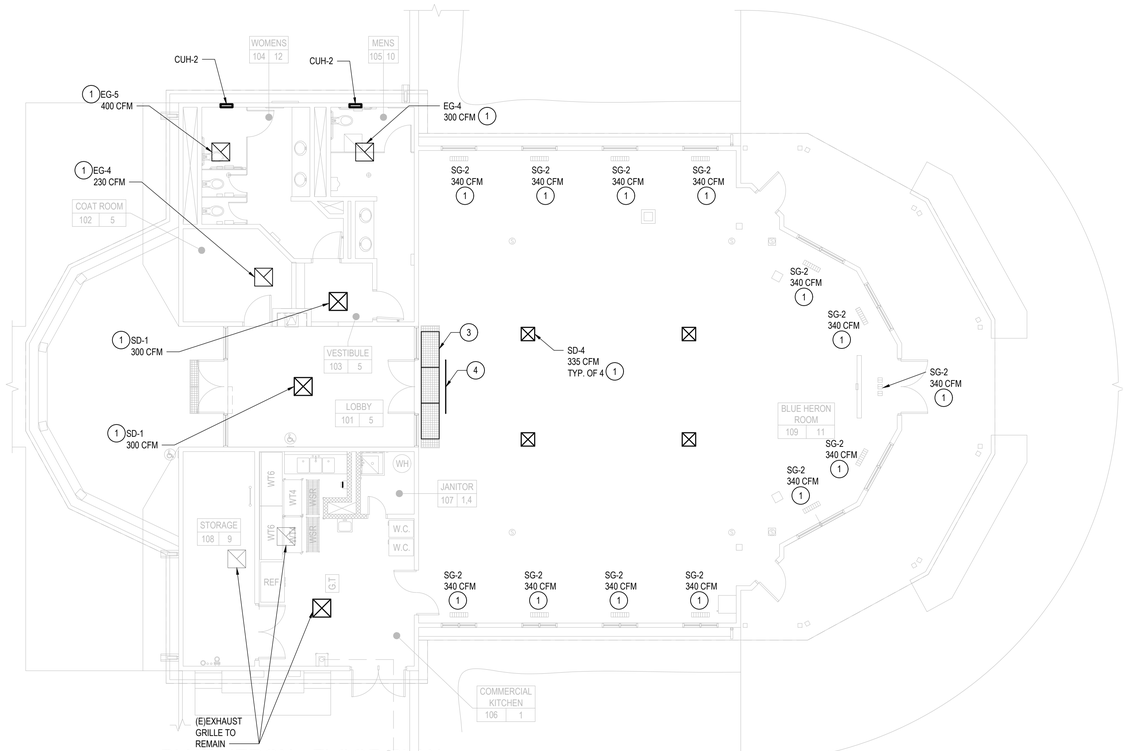
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: CD CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO. 50 OF 73	VISITOR CENTER SECOND FLOOR MECHANICAL PLAN — M103
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. 10493	

DRAWING NOTES:

1. REMOVE EXISTING AIR DEVICE AND REPLACE WITH NEW.
2. REMOVE EXISTING CABINET UNIT HEATER, AND REPLACE WITH NEW.
3. EXISTING 24x48 AIR DEVICE TO REMAIN, CLEAN THOROUGHLY (TYPICAL OF 3).
4. EXISTING 36x14 AIR DEVICE TO REMAIN, CLEAN THOROUGHLY (TYPICAL OF 2).



BLUE HERON - FLOOR PLAN

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

AECOM

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — JOHN N. GRATEN — 52751 — PROFESSIONAL ENGINEER

3-28-2025

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: CD	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
APPROVED DATE	APPROVED DATE	CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	SHEET NO. 51 OF 73	BLUE HERON MECHANICAL PLAN
		PROJECT NO. P584600	M104
		CONTRACT NO. 10493	

PLUMBING ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

ABBREVIATION	DESCRIPTION
A/E	ARCHITECT / ENGINEER
AD	ACCESS DOOR
AFF	ABOVE FINSED FLOOR
AFG	ABOVE FINISHED GRADE
AMB	AMBIENT
APPROX	APPROXIMATE
ARCH	ARCHITECTURE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
AVTR	ACID VENT THROUGH ROOF
BFP	BLACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BTUH	BRITISH THERMAL UNITS PER HOUR
BV	BALANCE VALVE
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CL	CENTERLINE
CMI	CONSTRUCTION MANAGER / INSPECTOR
DN	PIPE DROPS FROM HIGH LEVEL TO LOW LEVEL
DSN	DOWN SPOUT NOZZLE
DWG	DRAWING
DWV	DRAIN WASTE VENT
EFF	EFFICIENCY
EL	ELEVATION
FFE	FINISHED FLOOR ELEVATION
FLA	FULL LOAD AMPS
FR ABV	PIPE DOWN FROM LEVEL ABOVE
FR BLW	PIPE UP FROM LEVEL BELOW
FT	FEET
FU	FIXTURE UNIT
GAL	GALLON
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
IE	INVERT ELEVATION
KW	KILOWATT
LF	LINEAR FEET
MAV	MANUAL AIR VENT
MBH	THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MCF	THOUSAND CUBIC FEET
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MOCP	MAXIMUM OVER CURRENT PROTECTION
MOU	MEMORANDUM OF UNDERSTANDING
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
PD	PRESSURE DROP
PDI	PLUMBING AND DRAINAGE INSTITUTE
PPM	PARTS PER MILLION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
RPM	REVOLUTIONS PER MINUTE
SCFM	STANDARD CUBIC FEET PER MINUTE
SF	SQUARE FEET
SS	STAINLESS STEEL
TEMP	TEMPERATURE
TO ABV	PIPE UP TO LEVEL ABOVE
TO BLW	PIPE DOWN TO LEVEL BELOW
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UP	PIPE RISES FROM LOW LEVEL TO HIGH LEVEL
VTR	VENT THROUGH ROOF
W	WATTS
WG	WATER GAUGE
WM	WATER METER
WPD	WATER PRESSURE DROP
°C	DEGREES CENTIGRADE (CELCIUS)
°F	DEGREES FAHRENHEIT
Ø	DIAMETER

PLUMBING EQUIPMENT ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

ABBREVIATION	DESCRIPTION
AAV	AUTOMATIC AIR VENT
AC	AIR COMPRESSOR
AD	AREA DRAIN
AST	ABOVE GROUND STORAGE TANK
BAC	BREATHING AIR COMPRESSOR
BT	BATHTUB
CO	CLEANOUT
CS	CLINICAL SINK
DAC	DENTAL AIR COMPRESSOR
DF	DRINKING FOUNTAIN
DVP	DENTAL VACUUM PUMP
DW	DISHWASHER
EEW	EMERGENCY EYE WASH
ESH	EMERGENCY SHOWER
ESP	ELEVATOR SUMP PUMP
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FOP	FUEL OIL PUMP
FPHB	FREEZE PROOF HOSE BIBB
FS	FLOOR SINK
GCO	GRADE CLEANOUT
GI	GREASE INTERCEPTOR
GWH	GAS WATER HEATER
HB	HOSE BIBB
HD	HUB DRAIN
HS	HAND SINK
L	LAVATORY
LAC	LABORATORY AIR COMPRESSOR
LVP	LABORATORY VACUUM PUMP
MAC	MEDICAL AIR COMPRESSOR
MB	MOP BASIN
MVP	MEDICAL VACUUM PUMP
NT	NEUTRALIZATION TANK
OFD	OVERFLOW DRAIN
OI	OIL INTERCEPTOR
P	PUMP
RCP	RECIRCULATING PUMP
RD	ROOF DRAIN
RH	ROOF HYDRANT
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
S	SINK
SE	SEWAGE EJECTOR
SH	SHOWER
SP	SUMP PUMP
SS	SERVICE SINK
SWH	STEAM WATER HEATER
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
UR	URINAL
UST	UNDERGROUND STORAGE TANK
VB	VACUUM BREAKER
WC	WATER CLOSET
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR
YH	YARD HYDRANT

PLUMBING STANDARD SYSTEM ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

ABBREVIATION	DESCRIPTION
A	COMPRESSED AIR (SHOP AIR)
AI	AIR INTAKE
CD	CONDENSATE DRAIN
D	DRAIN
DCW	DOMESTIC COLD WATER
DCWR	DOMESTIC COLD WATER RETURN
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DS	DOWN SPOUT
FOO	FUEL OIL OVERFLOW
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
G	NATURAL GAS
ID	INDIRECT DRAIN
LP	LIQUID PROPANE
NPW	NON POTABLE WATER
PD	PUMP DISCHARGE
PW	POTABLE WATER
RO	REVERSE OSMOSIS
ROR	REVERSE OSMOSIS RETURN
ROS	REVERSE OSMOSIS SUPPLY
SAN	SANITARY SEWER
SCW	SOFTENED COLD WATER
SCWR	SOFTENED COLD WATER RETURN
SST	SECONDARY STORM
ST	STORM
TW	TEPID WATER
TWR	TEPID WATER RETURN
TWS	TEPID WATER SUPPLY
V	VENT
VAC	VACUUM
W	WATER

GENERAL PLUMBING LEGEND

- DEMOLITION OF PLUMBING WORK
- DIRECTION OF DOWNWARD SLOPED PIPE
- DIRECTION OF FLOW
- EXISTING DOMESTIC COLD WATER
- EXISTING DOMESTIC HOT WATER
- EXISTING DOMESTIC HOT WATER RETURN
- EXISTING EQUIPMENT
- G — EXISTING NATURAL GAS
- SAN — EXISTING SANITARY
- ST — EXISTING STORMWATER
- EXISTING UNDERGROUND SANITARY
- EXISTING VENT
- CD — NEW CONDENSATE DRAIN
- NEW DOMESTIC COLD WATER
- NEW DOMESTIC HOT WATER
- NEW TEMPERED WATER
- NEW DOMESTIC HOT WATER RETURN
- NEW EQUIPMENT
- G — NEW NATURAL GAS
- SS — NEW SANITARY
- SD — NEW STORM WATER
- NEW VENT

GENERAL PLUMBING SYMBOLS

- BACKFLOW PREVENTER
- BALANCING VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CAP
- CHECK VALVE
- CO — CLEAN OUT
- OS&Y VALVE
- RD — COMBINATION ROOF DRAIN WITH INTEGRAL OVERFLOW
- CONCENTRIC REDUCER
- ELBOW UP, DOWN
- EXTENT OF DEMOLITION
- FLEXIBLE EXPANSION LOOP
- FCO — FLOOR CLEAN-OUT
- FD — FLOOR DRAIN
- GATE VALVE
- GLOBE VALVE
- HOSE BIBB
- # — KEY NOTE
- PIPE GUIDE
- PIPE ANCHOR
- POINT OF CONNECTION, EXISTING & NEW
- WC-1 — PLUMBING FIXTURE TAG NO.
- RECIRCULATING PUMP
- TEE UP, DOWN
- TP RELIEF VALVE
- ATTP — TRAP PRIMER STATION & DISTRIBUTION MANIFOLD
- UNION
- WATER - HAMMER ARRESTOR ASSEMBLY
- WH — WALL HYDRANT
- 2 WAY CONTROL VALVE
- 3 WAY CONTROL VALVE
- PRESSURE GAUGE
- STORM WATER OVERFLOW
- STRAINER

PLUMBING GENERAL NOTES

1. ALL WORK IS TO BE PHASED AS INDICATED ON THE ARCHITECTURAL DRAWINGS. COORDINATE PHASING OF ALL WORK WITH OTHER TRADES. CLOSELY COORDINATE PHASING OF WORK WITHIN CORRIDORS WITH THE OWNER. CORRIDORS CANNOT BE COMPLETELY CLOSED OFF TO PEDESTRIAN TRAFFIC. TO ACCOMMODATE PHASING, CORRIDOR ACCESS WORK MAY NEED TO BE PERFORMED DURING OFF PEAK PERIODS. PRIOR TO MOVING ON TO A NEXT PHASE, ALL WORK IN PREVIOUSLY PHASED AREAS MUST BE COMPLETE AND OPERATIONAL.
2. PROMPTLY REPAIR ANY ITEMS DAMAGED DURING PROCESS OF THIS WORK, INCLUDING ANY DAMAGE TO STRUCTURE, PAVEMENT, SIDEWALKS OR ADJACENT GROUND CAUSED BY TRANSPORTING MATERIALS OR EQUIPMENT.
3. COORDINATE THE LOCATION OF ALL UTILITY CONNECTION POINTS, FLOOR DRAINS AND HUB DRAINS FOR EQUIPMENT WITH OTHER TRADES.
4. VISIT THE SITE OF THE WORK TO GAIN AN ACCEPTABLE KNOWLEDGE OF CONDITIONS AFFECTING THE EXECUTION OF THE WORK. AFTER VISITING THE SITE, REQUEST SUCH INFORMATION AND/OR CLARIFICATIONS AS NECESSARY TO FULLY UNDERSTAND THE WORK REQUIRED AND TO PROPERLY ESTIMATE COSTS.
5. PROVIDE LINE SIZED SHUT-OFF VALVE IN ALL HOT AND COLD WATER BRANCHES SERVING PLUMBING FIXTURES OR EQUIPMENT. BALL VALVES SHALL BE FULL-PORT UNLESS OTHERWISE INDICATED.
6. COORDINATE ALL PIPING PENETRATIONS THROUGH ARCHITECTURAL FINISHES. PROVIDE ESCUTCHEON PLATES AS REQUIRED, FINISH AS SELECTED OR DIRECTED BY THE ARCHITECT.
7. PROVIDE ACCESS PANEL IN DRYWALL CEILINGS TO ACCESS ITEMS SUCH AS VALVES OR AREA ALARM SENSORS.
8. PROVIDE A WATER HAMMER ARRESTOR ON HOT AND COLD WATER LINES AT ENDS OF MAINS, AT ENDS OF BRANCH LINES PRIOR TO THE LAST PLUMBING FIXTURE, AT END OF LINES SERVING GROUPS OF PLUMBING FIXTURES, AND FOR ALL QUICK CLOSING VALVES. SIZE AND INSTALL ARRESTORS AS RECOMMENDED BY PDI WH-201 TO ELIMINATE WATER HAMMER. INSTALL WHERE ACCESSIBLE FOR SERVICE AND PROVIDE ISOLATION VALVE. PROVIDE ACCESS DOOR IF INSTALLED WITHIN RIGID CEILINGS OR WALLS.
9. THE CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING AT ALL PLUMBING RELATED PENETRATIONS OF FIRE, SMOKE AND OTHER RATED STRUCTURES, INCLUDING FLOORS, WALLS, PARTITIONS, ETC. REFER TO ARCHITECTURAL DOCUMENTATION FOR LOCATIONS OF ALL RATED STRUCTURES, AND SPECIFIC INFORMATION AND REQUIREMENTS PERTAINING TO SAME.
10. LAYOUT AND INSTALLATION OF PIPING, EQUIPMENT AND APPURTENANCES INDICATED ON PLAN IS SCHEMATIC IN NATURE. EXACT LOCATION, ROUTING AND INSTALLATION TO BE COORDINATED WITH BUILDING STRUCTURES AND ALL OTHER TRADES.
11. CAPPING PIPE SHALL INCLUDE MATERIALS THAT MATCH EXISTING PIPE, WITH SOLDERED, WELDED, FLANGE, OR THREADED CAP AS REQUIRED TO MATCH EXISTING PIPING JOINT METHOD. CAP SHALL BE TESTED TO MINIMUM 150 PERCENT SYSTEM WORKING PRESSURES.
12. ENSURE THAT WORK WILL NOT INTERFERE OR INTERRUPT SERVICES TO AREAS OUTSIDE OF THE DESIGNATED CONTRACT AREAS. AS ANY INTERRUPTIONS OF EXISTING SERVICES BECOMES NECESSARY, SCHEDULE SUCH INTERRUPTIONS WITH THE OWNER PRIOR TO THEIR COMMENCEMENT. GIVE THE OWNER NO LESS THAN TWO WEEKS NOTICE AS TO WHEN HE EXPECTS SUCH INTERRUPTIONS. WORK SHALL BE PERFORMED AT SUCH TIMES AS DIRECTED BY THE OWNER.
13. UNLESS INDICATED OTHERWISE, ALL FIXTURES AND EQUIPMENT PROVIDED WITH PLUMBING SUPPLY PIPING SHALL BE FURNISHED WITH APPROVED/LISTED SHUTOFF VALVES IN ACCESSIBLE LOCATIONS FOR EACH FIXTURE.
14. UNLESS INDICATED OTHERWISE BY THE ARCHITECTURAL DOCUMENTATION (WHICH SHALL TAKE PRECEDENCE), PLUMBING FIXTURES AND EQUIPMENT MOUNTING HEIGHTS SHALL BE AS INDICATED ON PLUMBING FIXTURE SCHEDULE.
15. PLUMBING PIPING IS NOT PERMITTED TO RUN ABOVE ANY ELECTRICAL SWITCH GEAR, MOTOR CONTROL CENTERS OR PANELS (INCLUDING ACCESS/CLEARANCE SPACE 42" IN FRONT OF THESE ITEMS, AND MIN 30" WIDE), UNDER ANY CIRCUMSTANCES. LOCATION OF NEW ITEMS OF THESE TYPES SHALL BE DETERMINED AND CONFIRMED FROM INDICATION BY THE PROJECT ELECTRICAL DOCUMENTATION, AND ACTUAL INSTALLATION CONFIRMED WITH THE ELECTRICAL CONTRACTOR PRIOR TO START OF WORK.
16. THE SIZES OF SOIL, WASTE, VENT AND WATER BRANCH PIPING TO SINGLE FIXTURES SHALL BE AS SCHEDULED IN THE PLUMBING FIXTURE SCHEDULE.
17. CONTRACTOR SHALL PROVIDE MISCELLANEOUS STEEL AS REQUIRED TO SUPPORT EQUIPMENT AND ASSOCIATED COMPONENTS SUCH AS CONTROL PANELS, TANKS, VALVES, PIPING, ETC. MISCELLANEOUS STEEL SHALL CONSIST OF GALVANIZED STRUT, ANGLE IRON, CHANNELS OR OTHER STANDARD GALVANIZED STEEL ELEMENTS. ALL WELDED CONNECTIONS SHALL BE GROUND AND COLD GALVANIZED IN THE FIELD. PROVIDE STAINLESS STEEL WHERE CONTACT WITH WATER OR CORROSIVE AGENTS IS ANTICIPATED.
18. PROVIDE BACKFLOW PREVENTER OR VACUUM BREAKER IN DOMESTIC WATER LINES WHERE BACKFLOW OR BACK PRESSURE MAY OCCUR, AS REQUIRED BY THE STATE OR LOCAL JURISDICTION. EQUIPMENT SUCH AS WATER COOLERS, HOSE BIBBS AND WALL HYDRANTS SHALL INCLUDE BACKFLOW PREVENTION DEVICES IN THE WATER LINES THAT SERVE THEM.
19. THE CONTRACTOR SHALL INSTALL A TEST TEE IN THE NEW SANITARY WASTE AND VENT PIPING IN ORDER TO TEST THE SYSTEM. FOLLOWING COMPLETION OF TESTING, TEST TEE SHALL BE CAPPED/PLUGGED TO WITHSTAND MINIMUM 150% SYSTEM WORKING PRESSURES (REFER TO NOTE 11 ABOVE).
20. ALL FLOOR PENETRATIONS TO BE SEALED WATER TIGHT AND COMPLETELY PACKED WITH SEALANT OR FIRE STOP MATERIAL WHERE APPLICABLE BY TRADE CONTRACTORS.
21. PROVIDE SHUT-OFF BALL VALVE IN WATER LINES SERVING TRAP PRIMER DISTRIBUTION UNITS, BALANCING VALVES AND WATER HAMMER ARRESTORS.
22. PROVIDE DIELECTRIC FITTINGS, HANGERS, FLANGES AND NIPPLES AS NECESSARY BETWEEN ITEMS MADE OF DISSIMILAR MATERIALS.
23. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. INCLUDE ALL NECESSARY AND APPLICABLE APPURTENANCES, WHETHER INDICATED OR NOT.
24. COORDINATE EXACT REQUIREMENTS AND LOCATION OF WORK WITH THE WORK OF OTHER TRADES PRIOR TO FABRICATION. PROVIDE ADDITIONAL OFF SETS AND SECTIONS OF PIPING AS MAY BE REQUIRED TO MEET THE APPLICABLE JOB CONDITION REQUIREMENTS. VERIFY JOB-SITE ELEVATIONS, DIMENSIONS, AND CONDITIONS, PRIOR TO FABRICATION OR INSTALLATION OF THE WORK. COORDINATE EXACT ROUTING OF PIPING WITH OTHER TRADES SO THAT NO CONFLICTS OCCUR WITH DUCTWORK, PIPING, LIGHTS, STRUCTURE, ETC.
25. INSTALL ALL WORK TO COMPLY WITH ALL LAWS, REGULATIONS, CODES AND STANDARDS (FEDERAL, STATE, AND LOCAL), AS ADOPTED BY THE AUTHORITIES HAVING JURISDICTION, INCLUDING REASONABLY ANTICIPATED REVISIONS BASED ON EMERGING TRENDS IN BUILDING REGULATIONS. WHERE ANY OF THESE DIFFER, THE MOST STRINGENT SHALL APPLY.
26. SALVAGE ALL EXISTING FLUSH VALVES, MIXING VALVES, AND FAUCETS RELATED TO DEMOLITION WORK AND TURN OVER TO OWNER.
27. ALL PIPING PENETRATIONS THRU COUNTERTOPS BY PLUMBING CONTRACTOR. COORDINATE COUNTERTOP PENETRATIONS WITH COUNTERTOP SUBCONTRACTOR TO MINIMIZE POTENTIAL FOR DAMAGE AND TO ENSURE AN ACCEPTABLE FINISH.
28. PROMPTLY REPAIR ANY ITEMS DAMAGED DURING PROCESS OF THIS WORK, INCLUDING ANY DAMAGE TO STRUCTURE, PAVEMENT, SIDEWALKS OR ADJACENT GROUND CAUSED BY TRANSPORTING MATERIALS OR EQUIPMENT.
29. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. INCLUDE ALL NECESSARY AND APPLICABLE APPURTENANCES, WHETHER INDICATED OR NOT.
30. PROVIDE PIPE HANGERS FOR ALL NEW PIPING SUPPORTED BY THE BUILDING STRUCTURE.
31. ALL NEW AND EXISTING (WHEN AFFECTED BY CONSTRUCTION ACTIVITIES) DOMESTIC WATER PIPING SHALL BE CLEANED AND DISINFECTED PER LOCAL CODE REQUIREMENTS, AS WELL AS PER ANY MORE STRINGENT OWNER'S REQUIREMENTS.
32. ALL EXPOSED STEEL PIPING AND SUPPORTS SHALL BE PAINTED IN THE FIELD. PROVIDE TWO COATS OF PRIMER AND TWO COATS OF EPOXY FINISH, COLOR AS SELECTED BY THE ARCHITECT/ENGINEER OF RECORD.
33. ALL FINAL LOCATIONS FOR TRAP PRIMERS SHALL ENSURE ADEQUATE PERSONNEL ACCESSIBILITY AND WORKING SPACE CLEARANCES. CONTRACTOR TO COORDINATE FINAL LOCATIONS WITH CMI/ENGINEER.

AECOM
3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — JOHN N. GRUNT — 52761 — PROFESSIONAL ENGINEER — 03-28-2025

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

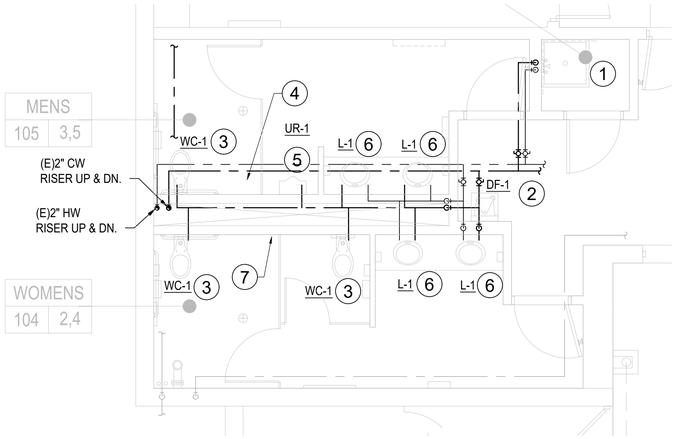
APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK
		DRAWN BY: CD	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
		CHECKED BY: JG	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO. 52 OF 73	PLUMBING LEGEND, ABBREVIATIONS & GENERAL NOTES
		PROJECT NO. P584600	P001
		CONTRACT NO. 10493	

PLUMBING FIXTURE SCHEDULE

REFERENCE NUMBER	FIXTURE	MANUFACTURER	MODEL	FLOW RATE	CW	HW	SAN	VENT	REMARKS
MS-1	TERRAZZO MOP SERVICE BASIN	FIAT	TSB300	--	¾	¾	3	1½	SQUARE MOP SERVICE BASIN WITH INTEGRAL STAINLESS STEEL DRAIN ASSEMBLY AND STRAINER PLATE. 12" DEEP WITH 6" DROPPED FRONT AND STAINLESS STEEL CAP TO ALL CURBS
DF-1	ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION	ELKAY	EZS8WS	1.1	½	--	1¼	1¼	ADA COMPLIANT
WC-1	WATER CLOSET	SLOAN	ST-2229	1.28	1½	--	4	2	FLOOR MOUNT, REAR OUTLET, ADA COMPLIANT, PROVIDE WITH SLOAN SOLIS 8111 FLUSHVALVE
UR-1	URINAL	SLOAN	WEUS-1200.1410	0.125	¾	--	2	2	URINAL AND FLUSHMETER COMBO, SENSOR OPERATED, ADA COMPLIANT
L-1	DROP-IN OVAL SINK	KOHLER	K-2603-SU	--	¾	¾	1½	1½	20-GAUGE STAINLESS STEEL

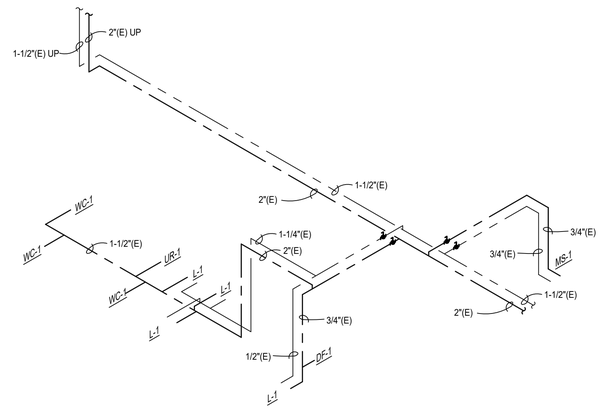
DRAWING NOTES:

1. REMOVE EXISTING MOP BASIN AND FAUCET AND INSTALL NEW BASIN AND FAUCET, RECONNECT CW AND HW, AND ADJUST LOCATION OF SANITARY CONNECTION TO ALIGN WITH NEW BASIN.
2. REMOVE EXISTING WATER COOLER AND INSTALL NEW WATER COOLER AS SHOWN.
3. REMOVE EXISTING WATER CLOSET AND PREPARE EXISTING BRANCH PIPING FOR INSTALLATION OF NEW WATER CLOSET IN SAME LOCATION.
4. REMOVE EXISTING URINAL AND ALL ASSOCIATED FITTINGS, CONNECTIONS, PIPING, HANGERS AND SPECIALTIES.
5. REMOVE EXISTING URINAL AND PREPARE EXISTING BRANCH PIPING FOR INSTALLATION OF NEW URINAL IN SAME LOCATION.
6. REMOVE EXISTING LAVATORY AND PREPARE EXISTING BRANCH PIPING FOR INSTALLATION OF NEW LAVATORY IN SAME LOCATION
7. REMOVE EXISTING WATER CLOSET AND ALL ASSOCIATED FITTINGS, CONNECTIONS, PIPING, HANGERS AND SPECIALTIES.



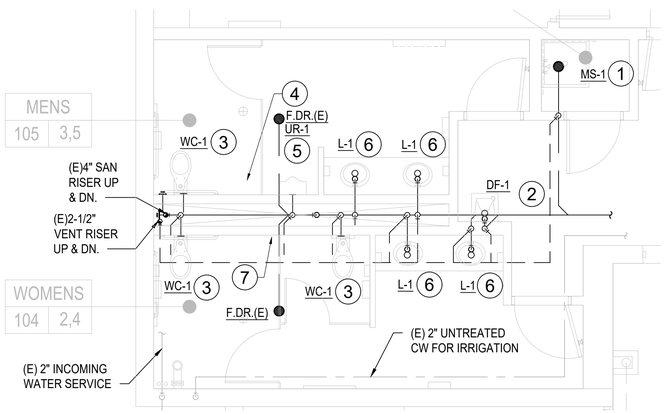
DOMESTIC WATER PART PLAN

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



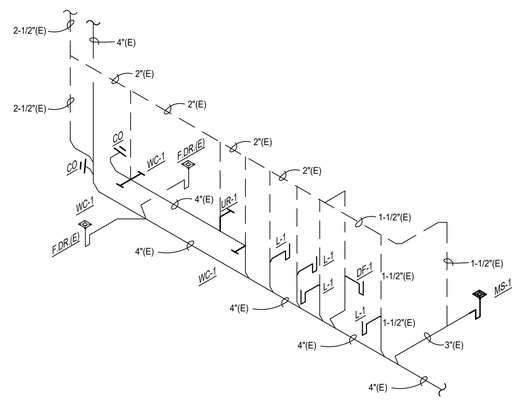
DOMESTIC WATER RISER DIAGRAM

SCALE: NOT TO SCALE



SANITARY PART PLAN

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



SANITARY RISER DIAGRAM

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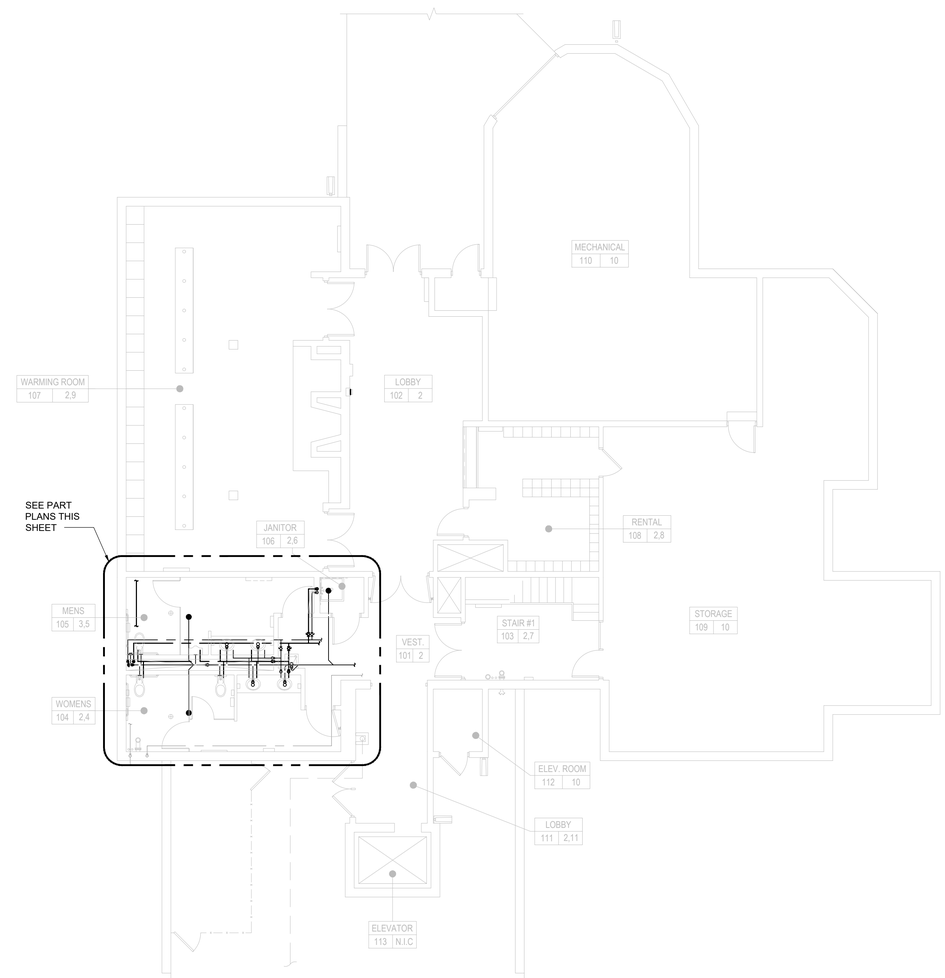


VISITOR CENTER - GROUND FLOOR PLAN

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

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

AECOM
4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — JOHN N. GRUEN — 52761 — PROFESSIONAL ENGINEER — 03-28-2025

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

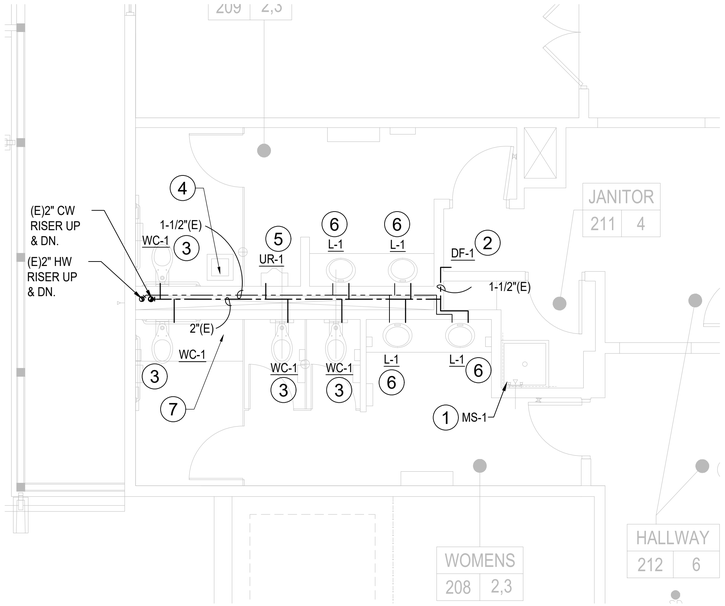
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK — FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS — 600 QUIET WATERS PARK RD — ANNAPOLIS, MD 21403
		DRAWN BY: CD	
		CHECKED BY: JG	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO. 53 OF 73	VISITOR CENTER GROUND FLOOR PLUMBING PLAN — P101
		PROJECT NO. P584600	
		CONTRACT NO. 10493	

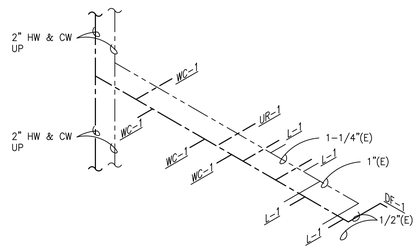
DRAWING NOTES:

1. REMOVE EXISTING MOP BASIN AND FAUCET AND INSTALL NEW BASIN AND FAUCET, RECONNECT CW AND HW, AND ADJUST LOCATION OF SANITARY CONNECTION TO ALIGN WITH NEW BASIN.
2. REMOVE EXISTING WATER COOLER AND INSTALL NEW WATER COOLER AS SHOWN.
3. REMOVE EXISTING WATER CLOSET AND PREPARE EXISTING BRANCH PIPING FOR INSTALLATION OF NEW WATER CLOSET IN SAME LOCATION
4. REMOVE EXISTING URINAL AND ALL ASSOCIATED FITTINGS, CONNECTIONS, PIPING, HANGERS AND SPECIALTIES.
5. REMOVE EXISTING URINAL AND PREPARE EXISTING BRANCH PIPING FOR INSTALLATION OF NEW URINAL IN SAME LOCATION
6. REMOVE EXISTING LAVATORY AND PREPARE EXISTING BRANCH PIPING FOR INSTALLATION OF NEW LAVATORY IN SAME LOCATION
7. REMOVE EXISTING WATER CLOSET AND ALL ASSOCIATED FITTINGS, CONNECTIONS, PIPING, HANGERS AND SPECIALTIES.



DOMESTIC WATER PART PLAN

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



DOMESTIC WATER RISER DIAGRAM

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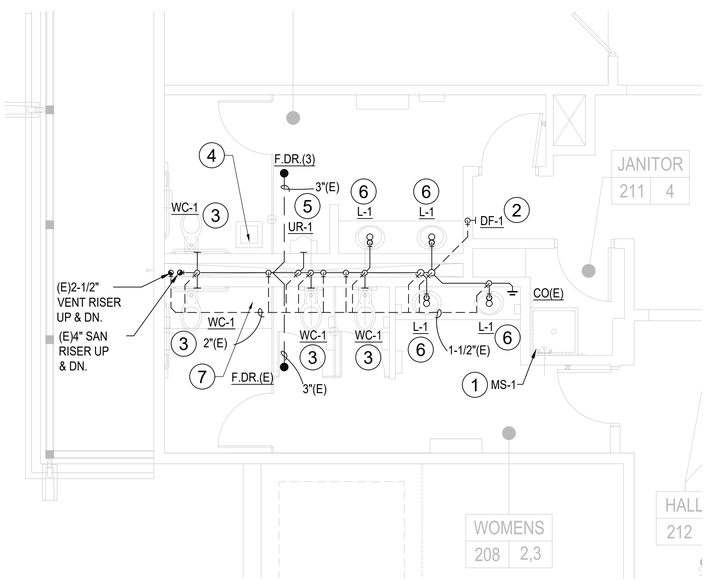
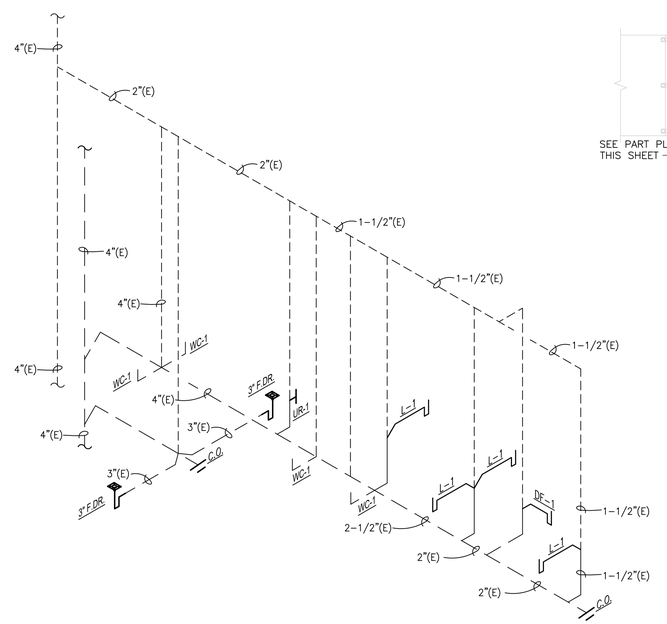


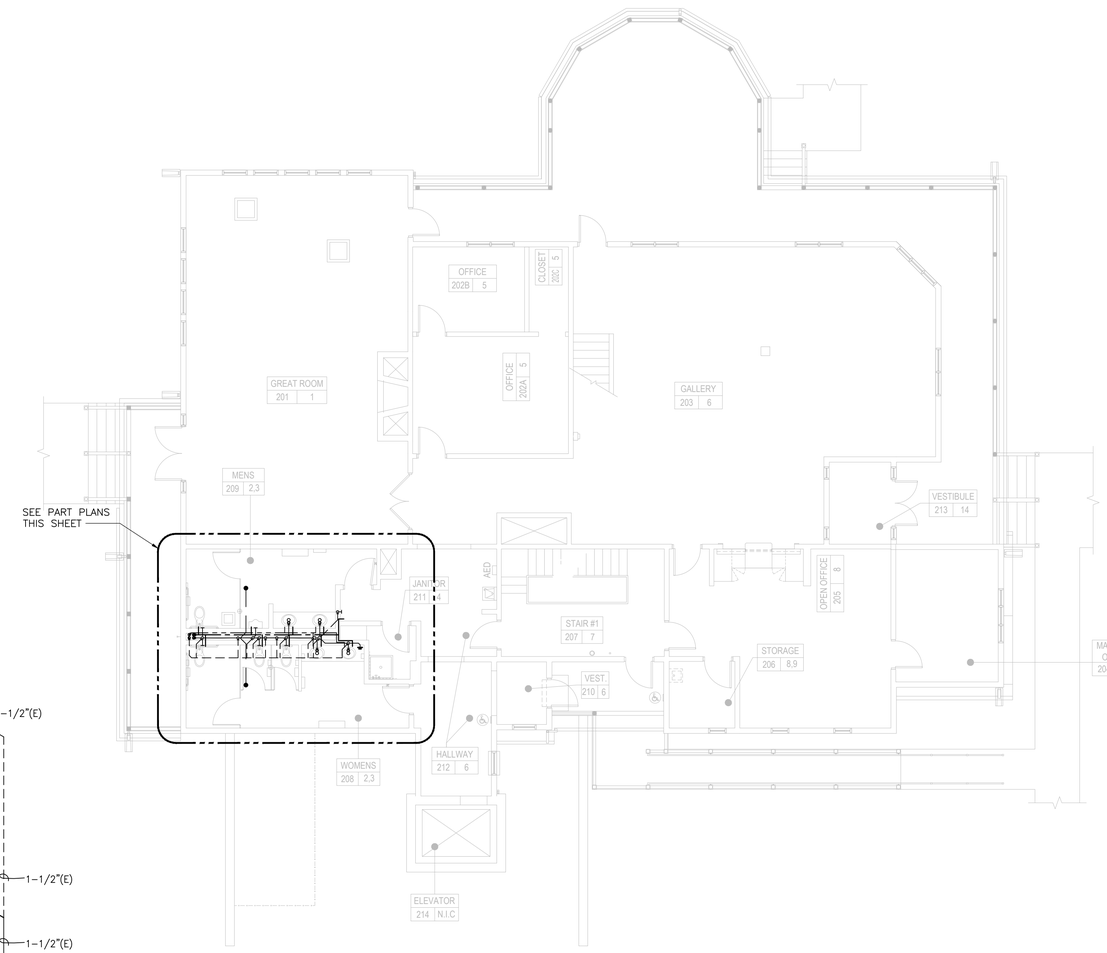
SANITARY PART PLAN

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



SANITARY RISER DIAGRAM

SCALE: NOT TO SCALE



VISITOR CENTER - FIRST FLOOR PLAN

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

AECOM
4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOHN N. GRUEN — 52761 — PROFESSIONAL ENGINEER — 03-28-2025

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

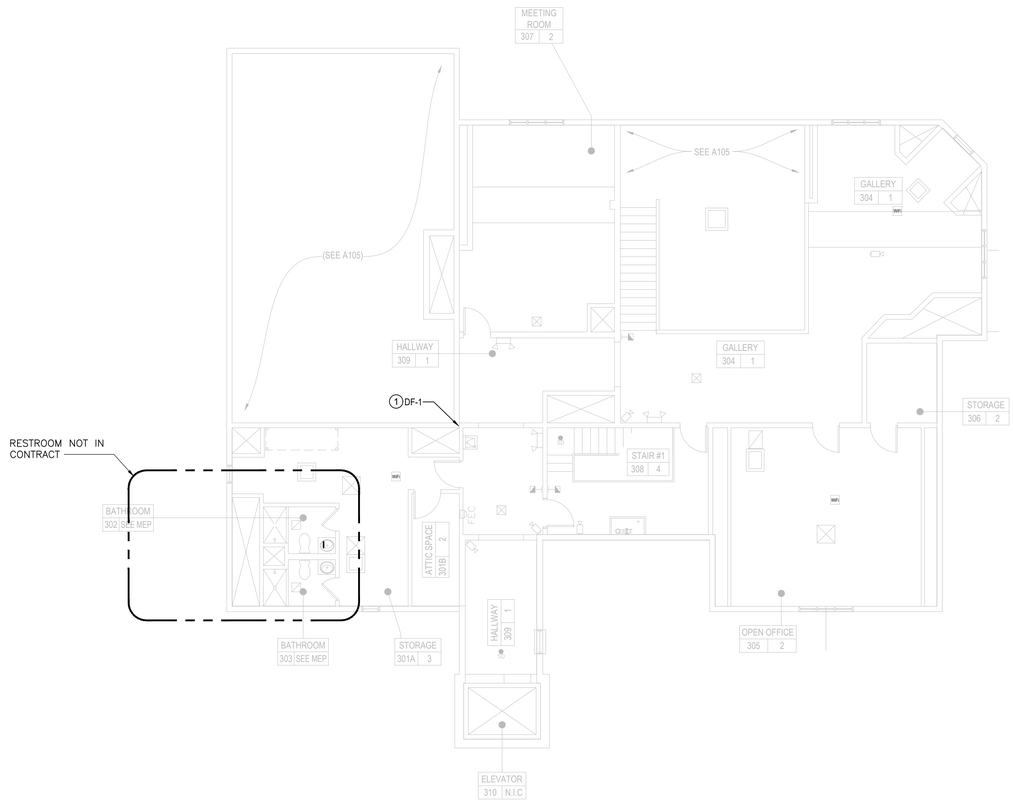
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: CD CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO. 54 OF 73	VISITOR CENTER FIRST FLOOR PLUMBING PLAN
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. 10493	P102

DRAWING NOTES:

1. REMOVE EXISTING WATER COOLER AND INSTALL NEW WATER COOLER AS SHOWN.



VISITOR CENTER - SECOND FLOOR PLAN

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

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

AECOM
4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND JOHN R. GREEN 52761 PROFESSIONAL ENGINEER 03-28-2025

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

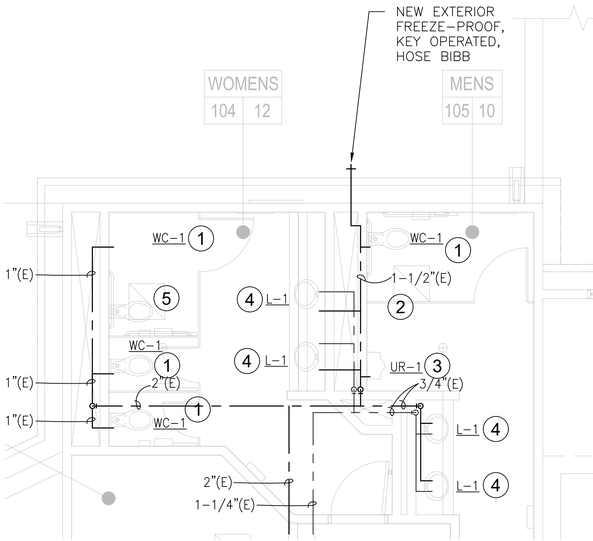
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: CD CHECKED BY: JG	
APPROVED DATE	APPROVED DATE	SHEET NO. 55 OF 73	VISITOR CENTER SECOND FLOOR PLUMBING PLAN
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. 10493	P103

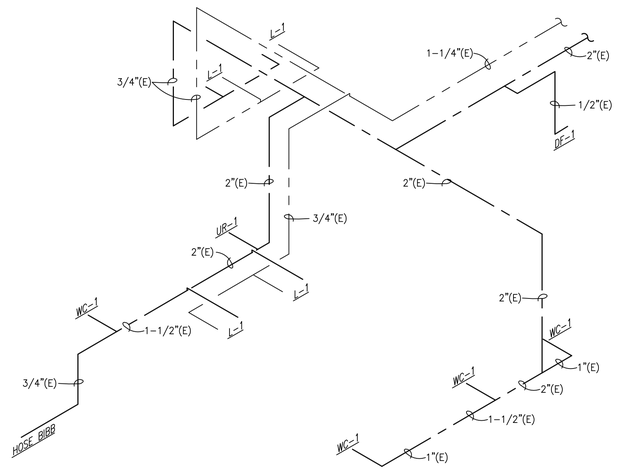
DRAWING NOTES:

1. REMOVE EXISTING WATER CLOSET AND PREPARE EXISTING BRANCH PIPING FOR INSTALLATION OF NEW WATER CLOSET IN SAME LOCATION
2. REMOVE EXISTING URINAL AND ALL ASSOCIATED FITTINGS, CONNECTIONS, PIPING, HANGERS AND SPECIALTIES.
3. REMOVE EXISTING URINAL AND PREPARE EXISTING BRANCH PIPING FOR INSTALLATION OF NEW URINAL IN SAME LOCATION
4. REMOVE EXISTING LAVATORY AND PREPARE EXISTING BRANCH PIPING FOR INSTALLATION OF NEW LAVATORY IN SAME LOCATION
5. REMOVE EXISTING WATER CLOSET AND ALL ASSOCIATED FITTINGS, CONNECTIONS, PIPING, HANGERS AND SPECIALTIES.
6. CONTRACTOR TO REMOVE PORTION OF WALL TO INVESTIGATE THE LOCATION OF EXISTING SANITARY AND DOMESTIC WATER PIPING PRIOR TO ORDERING NEW WATER COOLER. REPORT FINDINGS TO ENGINEER AND OWNER.



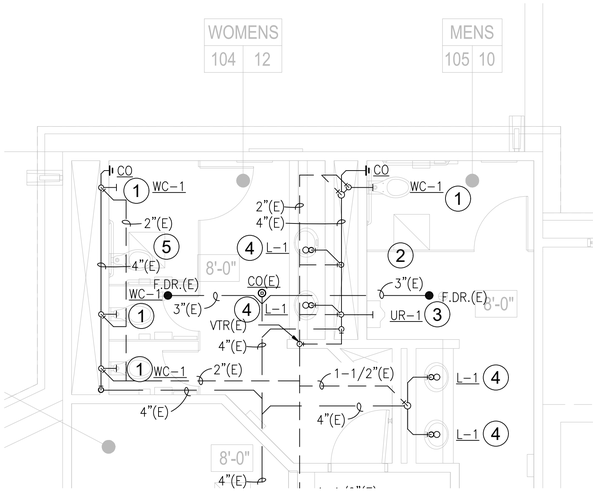
DOMESTIC WATER PART PLAN

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



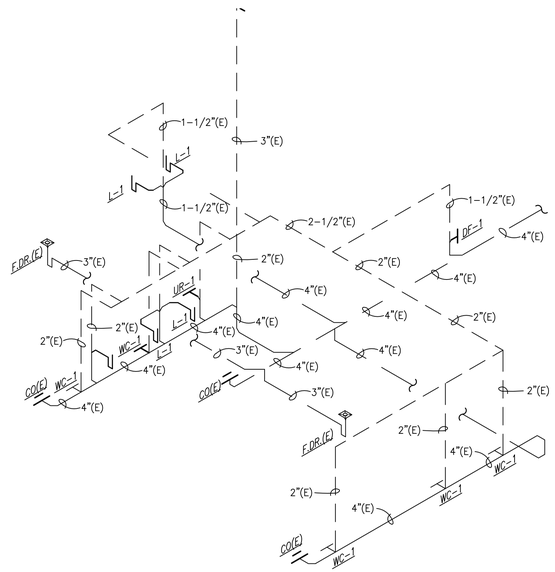
DOMESTIC WATER RISER DIAGRAM

SCALE: NOT TO SCALE



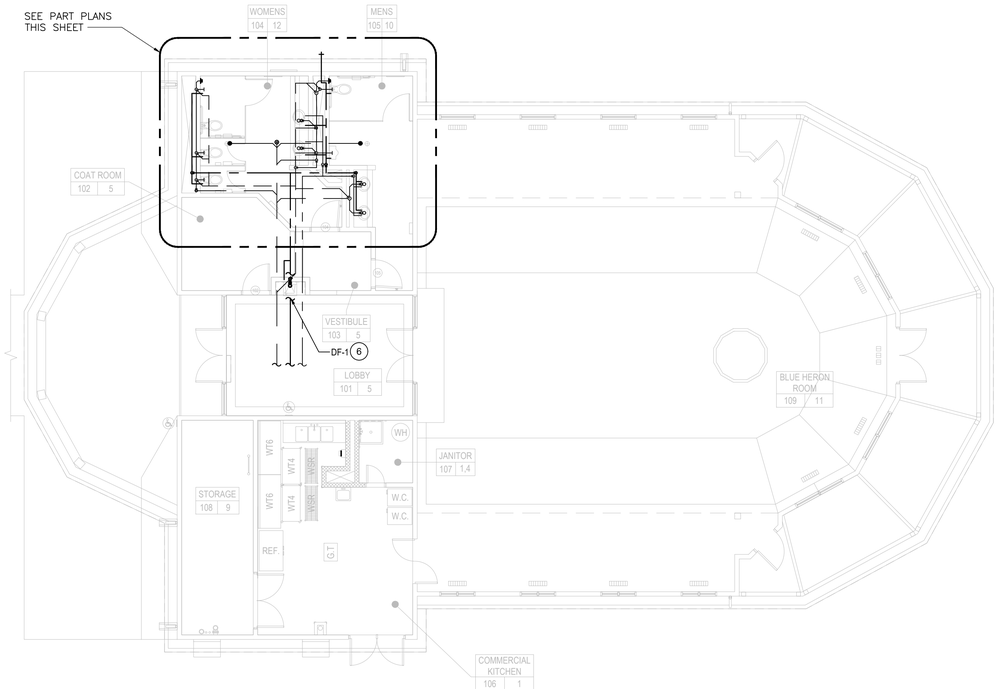
SANITARY PART PLAN

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



SANITARY RISER DIAGRAM

SCALE: NOT TO SCALE



BLUE HERON - FLOOR PLAN

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

AECOM
4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND — JOHN K. GRIFFITH — 52761 — PROFESSIONAL ENGINEER
3-28-2025

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 52761, EXPIRATION DATE 05/31/2026."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
		DRAWN BY: CD	
		CHECKED BY: JG	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO. 56 OF 73	BLUE HERON PLUMBING PLAN
		PROJECT NO. P584600	P104
		CONTRACT NO. 10493	

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING FIXTURES-REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE TYPES AND MOUNTING
	DUPLEX RECEPTACLE WHITE SPEC GRADE, 1PH, 20A, 125V, NEMA 5-20R, GROUNDING TYPE, MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE
	QUADRUPLEX RECEPTACLE 20A, 125V. - GROUND FAULT INTERRUPTING, SPEC GRADE 120V, 20A FEED THRU TYPE, MOUNTED 48" A.F.F. WHITE AT INTERIORS, BLACK AT EXTERIORS UNLESS NOTED OTHERWISE
	DUPLEX RECEPTACLE 20A, 125V. - GROUND FAULT INTERRUPTING, SPEC GRADE 120V, 20A FEED THRU TYPE, MOUNTED 48" A.F.F. WHITE AT INTERIORS, BLACK AT EXTERIORS UNLESS NOTED OTHERWISE
	SIMPLEX RECEPTACLE WHITE SPEC GRADE, 1PH, 20A, 125V, NEMA 5-20R, GROUNDING TYPE, MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE
	SPECIAL RECEPTACLE WHITE SPEC GRADE, 1PH, 240V, NEMA TYPE AS NOTED
OS	OCCUPANCY SENSOR, INTEGRAL TO TRACK
S	SWITCH, SINGLE POLE WHITE, SPEC GRADE, 20A, 120/277V, MOUNTED 48" A.F.F.
S_2	SWITCH, DOUBLE POLE WHITE SPEC GRADE, 20A, 120/277V, MOUNTED 48" A.F.F.
S_3	SWITCH, THREE-WAY WHITE SPEC GRADE, 20A, 120/277V, MOUNTED 48" A.F.F.
S_4	SWITCH, FOUR-WAY WHITE SPEC GRADE, 20A, 120/277V, MOUNTED 48" A.F.F.
S_M	MANUAL MOTOR STARTER
M	MOTOR
	PUSH BUTTON
	HOMERUN CIRCUIT 2#12 AWG & #12G, UON
ETC	EMPLOYEE TIMECLOCK
S	SPEAKER
WiFi	WIFI NODE
	SECURITY CAMERA
	PHONE/DATA OUTLET

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	NL	NIGHT LIGHT
AFG	ABOVE FINISHED GRADE	NTS	NOT TO SCALE
A	AMPERE	OH	OVERHEAD
C	CONDUIT	PH	PHASE
ELEC	ELECTRIC	SCH	SCHEDULE
DIA	DIAMETER	SPD	SURGE PROTECTIVE DEVICE
DWG	DRAWING	SQ	SQUARE
GFI/GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TELE	TELEPHONE
GND	GROUND	TYP	TYPICAL
HP	HORSEPOWER	UON	UNLESS OTHERWISE NOTED
KW	KILO-WATT	V	VOLT
LV	LOW VOLTAGE	WP	WEATHER-PROOF
MIN	MINIMUM		
MTD	MOUNTED		

ELECTRICAL GENERAL NOTES

1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND REPRESENT A COMPLETED PROJECT. MINOR MODIFICATIONS OF WORK SHALL BE PROVIDED BY THE CONTRACTOR TO COMPLY WITH PROJECT REQUIREMENTS, AS PART OF THE BASE BID. LOCATIONS OF DEVICES AND EQUIPMENT SHOW A GENERAL ARRANGEMENT AND INTENDED FUNCTION. BEFORE INSTALLATION OF WORK, CHECK DOOR SWINGS AND ALL REQUIRED CLEARANCES, TO AVOID INTERFERENCE WITH OTHER TRADES. COORDINATE WITH ALL CONTRACT DOCUMENTS, SHOP DRAWINGS, EQUIPMENT DRAWINGS, SITE, STRUCTURAL, ARCHITECTURAL AND MECHANICAL PLANS, CONTRACT SPECIFICATIONS, AND OWNER PROVIDED MATERIALS OR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONTRACT DRAWINGS.
2. PROVIDE ELECTRICAL CONNECTION FOR EVERY FIXTURE, APPLIANCE, OR EQUIPMENT REQUIRING SAME, WHICH IS SHOWN ON ANY CONTRACT DRAWING OR SPECIFIED IN THE CONSTRUCTION SPECIFICATIONS.
3. INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND CONDITIONS FOR WARRANTY AND GUARANTEE. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE AND SATISFACTORY INSTALLATION READY FOR USE.
4. COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES AND STANDARDS. IN THE EVENT OF A CONFLICT THE MOST STRINGENT SHALL GOVERN. SHOULD A CONFLICT ARISE BETWEEN CONSTRUCTION DOCUMENTS AND APPLICABLE CODES, WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ENFORCING CODE AUTHORITIES.
5. COORDINATE ELECTRICAL CHARACTERISTICS AND CIRCUIT PROTECTION REQUIREMENTS OF EQUIPMENT SUPPLIED, REGARDLESS OF TRADE, PRIOR TO ROUGH-IN. VERIFY HORSEPOWER AND NAMEPLATE RATINGS OF EQUIPMENT AND COORDINATE CIRCUIT CHARACTERISTICS TO PROVIDE CODE CONFORMANCE.
6. WIRE SIZES ARE FOR 75 DEG C. COPPER THHN/ THWN-2 INDOORS AND XHHW OUTDOORS. MINIMUM WIRE SIZE FOR POWER CIRCUITS SHALL BE #12 AWG. ALUMINUM SHALL NOT BE USED. CONDUCTORS SHALL BE SOLID UP THROUGH #10 AWG. PANELBOARD FEEDERS SHALL BE THHN/THWN WITHIN CONDUITS. EQUIPMENT CONNECTIONS SHALL BE MAXIMUM OF 6'-0" OF FLEXIBLE METALLIC RACEWAY INDOORS OR FLEXIBLE LIQUIDTIGHT RACEWAY OUTDOORS OR IN DAMP LOCATIONS. NOTE: EACH BRANCH CIRCUIT FOR LIGHTING AND POWER SHALL CONTAIN A DEDICATED NEUTRAL CONDUCTOR.
7. GROUNDING: PROVIDE GROUNDING IN ACCORDANCE WITH NEC 250. CONDUCTORS SHALL BE COPPER. FEEDERS, BRANCH CIRCUITS, CABLE ASSEMBLIES, AND OTHER WIRING SYSTEMS SHALL HAVE A GREEN INSULATED GROUND WIRE, #12 AWG MINIMUM, UNLESS OTHERWISE NOTED. GROUND ELECTRODE CONDUCTORS SHALL BE SOLID THROUGH #6 AWG. EXOTHERMIC CONNECTIONS SHALL BE USED FOR DRIVEN RODS OR UNDERGROUND CONNECTIONS.
8. EQUIPMENT:
   - A. EQUIPMENT OR MATERIALS SHALL BE NEW AND FOR ANY GIVEN SYSTEM, SHALL BE A PRODUCT OF THE SAME MANUFACTURER. ITEMS SUCH AS LAMPS, CONDUIT FITTINGS, WIRE, WIRING DEVICES, FUSES, CIRCUIT BREAKERS, ETC. SHALL BE THE SAME THROUGHOUT THE PROJECT.
   - B SUBMIT PRODUCT DATA FOR MATERIALS AND EQUIPMENT AS DIRECTED, FOR ACCEPTANCE REVIEW.
9. DO NOT CUT AND PATCH BUILDING STRUCTURE WITHOUT APPROVAL OF STRUCTURAL ENGINEER. PROVIDE U.L. LISTED FIRE STOP METHODS FOR PENETRATIONS OF FIRE-RATED BUILDING COMPONENTS OR BARRIERS AS PER CODE. WATERPROOF OUTDOOR PENETRATIONS.
10. UNLESS OTHERWISE INDICATED, PROVIDE A FULL WARRANTY FOR A PERIOD OF ONE YEAR MINIMUM, MATERIALS, WORKMANSHIP, AND SERVICES PROVIDED. REPLACE, REPAIR, OR ADJUST ANY EQUIPMENT OR WORKMANSHIP FOUND TO BE UNACCEPTABLE TO THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED BY OR RESULTING FROM DEFECTS IN WORKMANSHIP.
11. THE CONTRACTOR SHALL COORDINATE ALL RELATED WORK WITH VERIZON TELEPHONE COMPANY AND NOTIFY THEM AT LEAST (14) CALENDAR DAYS PRIOR TO STARTING CONSTRUCTION.
12. THE CONTRACTOR SHALL COORDINATE ALL RELATED WORK WITH BGE POWER COMPANY AND NOTIFY THEM PRIOR TO STARTING CONSTRUCTION.
13. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING NEAR EXISTING-TO-REMAIN UNDERGROUND UTILITIES (CABLES, WATER PIPES, DRAINAGE PIPES, ETC.) SO AS NOT TO DAMAGE THEM. HAND EXCAVATION SHALL BE CONSIDERED IN SUCH CASES. IF ANY EXISTING UTILITY IS DAMAGED AS A RESULT OF WORK DONE BY THE CONTRACTOR, THE EXISTING UTILITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
14. ALL LOW VOLTAGE DATA, TELEPHONE, WIRING SHALL BE INSTALLED IN MINIMUM 3/4" CONDUIT.
15. CONCEAL RACEWAY WHEREVER POSSIBLE.
16. MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES IS TO TOP OF BOX. MOUNTING HEIGHTS OF LUMINAIRES IS TO BOTTOM OF FIXTURE.
17. PROVIDE UPDATED TYPEWRITTEN DIRECTORIES FOR PANELBOARD CIRCUITS AFFECTED BY THE WORK

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

AECOM
4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — JOHN CONSTANTOPOULOS — No. 50610 — PROFESSIONAL ENGINEER

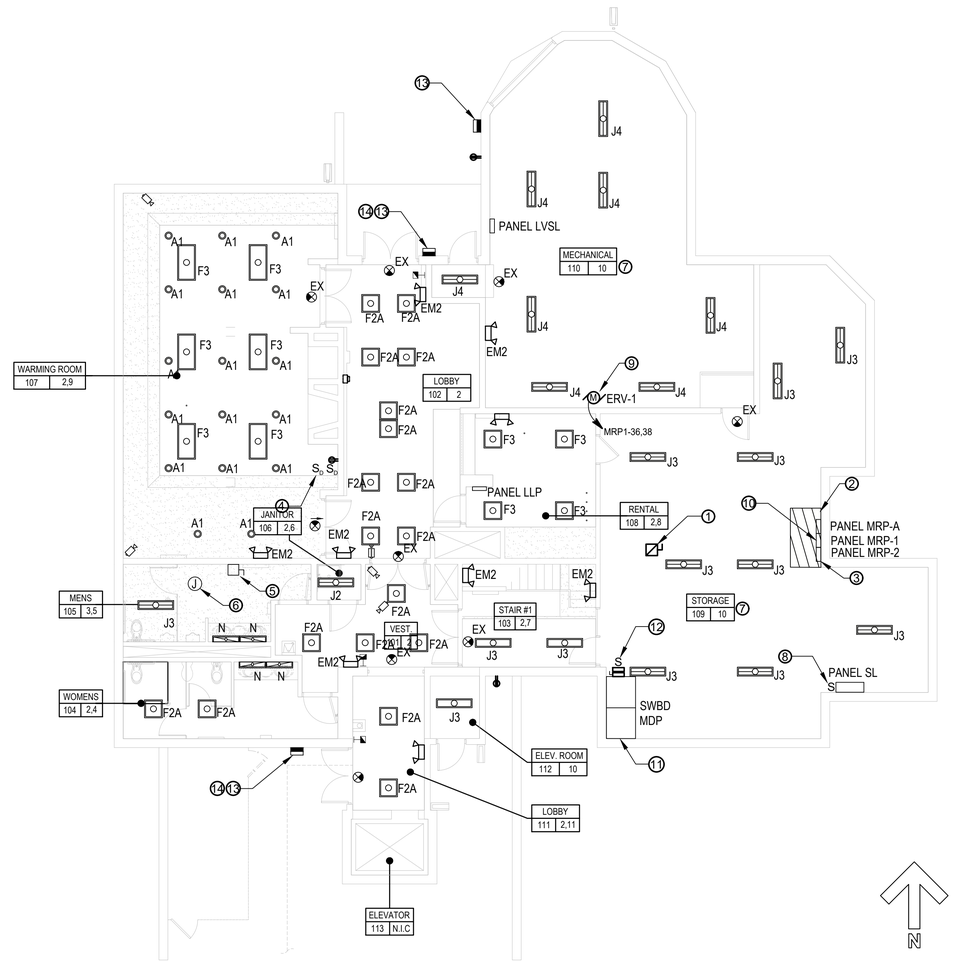
"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 50610, EXPIRATION DATE 02/19/2025."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK
		DRAWN BY: TC	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
		CHECKED BY: JL	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO. 57 OF 73	ELECTRICAL ABBREVIATIONS, LEGEND AND GENERAL NOTES
		PROJECT NO. P584600	E001
		CONTRACT NO. 10493	



VISITOR CENTER - GROUND FLOOR ELECTRICAL PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

GENERAL POWER NOTES

1. REPLACE EXTERIOR GFCI RECEPTACLE COVERS WITH WEATHERPROOF-IN-USE TYPE.
2. FILL GAPS AROUND CONDUIT AND CABLE PENETRATIONS WITH LISTED SEALANTS IN SPECIFICATIONS 260519 AND 271513.
3. REPLACE EXISTING MAIN SWITCHBOARD.
4. PANELBOARDS TO BE TESTED AND/OR REPLACED UNDER SEPARATE CONTRACT.
5. REPLACE ALL RECEPTACLES SHOWN.
6. REMOVE ALL SURFACE RACEWAYS AND EXPOSED CONDUCTORS AT INTERIORS SERVING POWER, LIGHTING, TELECOMMUNICATIONS, DATA, CCTV AND SECURITY SYSTEMS. PROVIDE CONCEALED RACEWAY WITH CONDUCTORS TO MATCH EXISTING WITHIN NEW OR EXISTING WALLS. PROVIDE BLANK COVER PLATES AT ALL UNUSED OPENINGS, PAINTED TO MATCH SURROUNDING SURFACE. COORDINATE WORK WITH DRYWALL INSTALLER.

GENERAL COMMUNICATIONS NOTES

1. REPLACE ALL DAMAGED COMMUNICATIONS DEVICES.
2. PROTECT EXISTING SECURITY CAMERAS AND DEVICES DURING DEMOLITION AND CONSTRUCTION.
3. COORDINATE CAMERA AND TELE/DATA LOCATIONS WITH MARK GREGSON OF AA OIT DEPARTMENT.

GENERAL LIGHTING NOTES

1. REPLACE ALL LIGHTING FIXTURES WITH LED FIXTURES. REFER TO E-201
2. FOR LIGHTING FIXTURE SCHEDULE.
3. REPLACE LIGHTING CONTROL FACE PLATES.
4. REPLACE EMERGENCY LIGHTING AS INDICATED.
5. REPLACE ALL NON FUNCTIONAL EMERGENCY EXIT SIGNS AS INDICATED.

POWER KEYNOTES NOTES

1. DISCONNECT SWITCH AHU #2 TO BE LOWERED SO TOPMOST HANDLE POSITION IS 79" ABOVE THE FLOOR. MOUNT DISCONNECT SWITCH TO SLOTTED CHANNEL. SUPPORTED AT FLOOR AND STRUCTURE ABOVE AND CONNECTED TO THE AHU USING LFMC WITH MAXIMUM LENGTH 72 INCHES.
2. REMOVE ANY ITEMS IN FRONT OF THE PANELBOARDS AND PLACE IN LOCATION DIRECTED BY OWNER. MAINTAIN A CLEARANCE AREA OF 3FT IN FRONT OF THE PANELS AND 30 INCHES SURROUNDING PANELS. PROVIDE FLOOR MARKING TAPE INDICATING: "36 INCH CLEARANCE REQUIRED. DO NOT BLOCK".
3. PROVIDE RED COLOR HANDLE CLAMP ON PANEL MRP CIRCUIT #4 SERVING FIRE ALARM SYSTEM.
4. REPLACE DIMMER SWITCH FOR EACH ZONE WITH LED COMPATIBLE DIMMER.
5. REMOVE EXISTING DISCONNECT SWITCH SERVING CABINET UNIT HEATER (CUH).
6. EXTEND EXISTING CONDUCTORS SERVING CUH TO NEW CEILING HEATER AT THIS LOCATION. PROVIDE CONDUCTORS AND CONDUIT TO MATCH EXISTING.
7. PROVIDE WATERPROOF FIRESTOPPING AT CONDUIT AND CABLE PENETRATIONS TO EXTERIOR AND ADJACENT ROOMS. (TYPICAL)
8. TEST CIRCUITS LABELED "VISITORS CIRCLE" AND SWITCH LABELED "VISITORS CTR CIRCLE & STAIRS". REPLACE CONDUCTORS, SWITCH, WIRING DEVICES, AND/OR CIRCUIT BREAKER AS REQUIRED TO CORRECT FAULT.
9. ENERGY RECOVERY VENTILATOR WITH INTEGRAL DISCONNECT SWITCH (BY DIV 23). PROVIDE 2#12 AWG & 1#12G IN 3/4"C TO CIRCUIT INDICATED.
10. PROVIDE 2P/15A CIRCUIT BREAKER IN EXISTING SPACE TO SERVE ERV-1.
11. REMOVE EXISTING SWITCHBOARD MDP AND PROVIDE SWITCHBOARD AS INDICATED ON SHEET E202.
12. REMOVE EXISTING DISCONNECT SWITCH, SHUNT TRIP TEST SWITCH AND DEMAND METER.
13. REMOVE EXISTING LAMP AND PROVIDE 11 WATT, 3500K, 1100 LUMEN, ENCLOSED AND DAMP RATED LAMP IN EXISTING LUMINAIRE. FIELD VERIFY LAMP BASE.
14. INSTALL EMERGENCY INVERTER/DRIVER ABOVE ACCESSIBLE CEILING IN ADJACENT INTERIOR SPACE.

AECOM

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — JOHN CONSTANTOPOULOS — No. 50610 — PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 50610, EXPIRATION DATE 01/19/2025."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED
		DRAWN BY: TC
		CHECKED BY: JL
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO. 58 OF 73
		PROJECT NO. P584600
		CONTRACT NO. 10493

QUIET WATERS PARK
FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
600 QUIET WATERS PARK RD
ANNAPOLIS, MD 21403

VISITOR CENTER GROUND FLOOR ELECTRICAL PLAN

E101

GENERAL POWER NOTES

1. REPLACE EXTERIOR GFCI RECEPTACLE COVERS .
2. PANELBOARDS TO BE TESTED AND/OR REPLACED UNDER SEPARATE CONTRACT.
3. REPLACE ALL RECEPTACLES SHOWN.

GENERAL COMMUNICATIONS NOTES

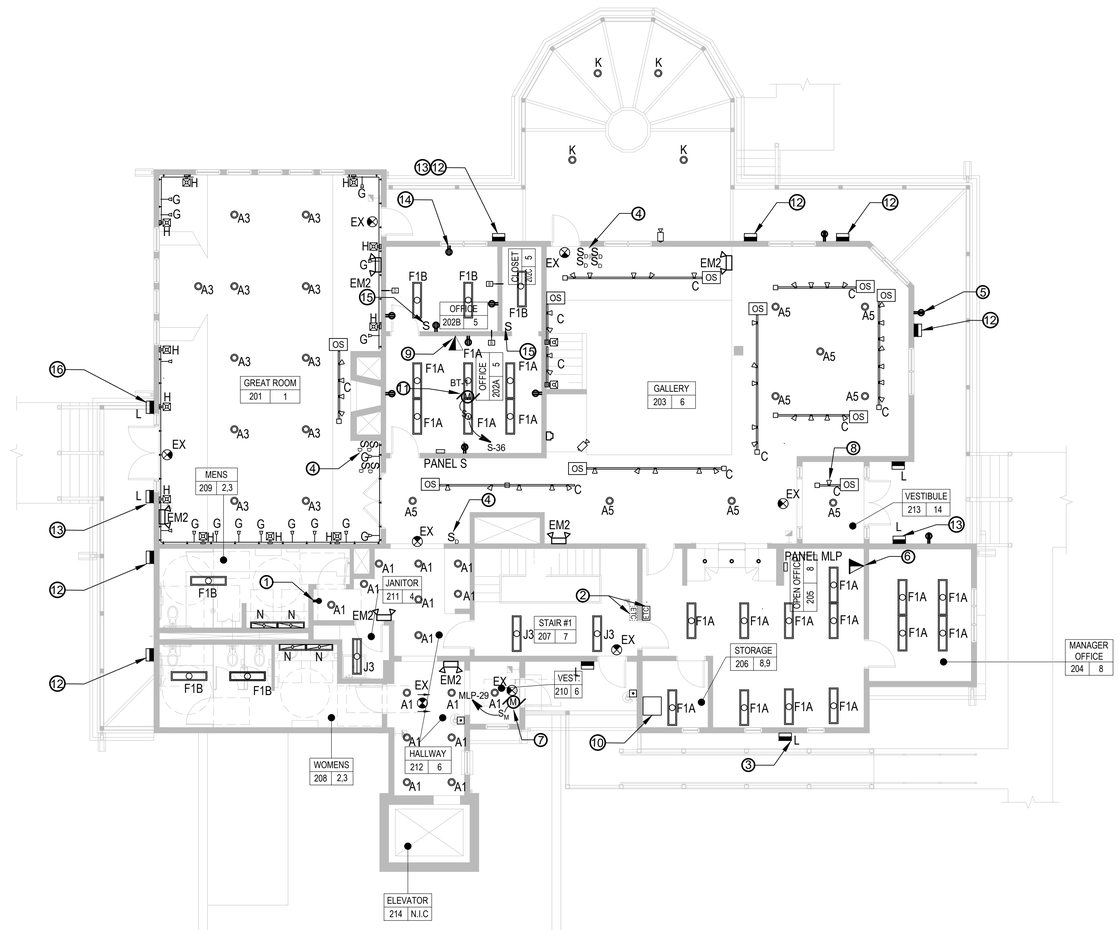
1. REPLACE ALL DAMAGED COMMUNICATIONS DEVICES.
2. PROTECT EXISTING SECURITY CAMERAS AND DEVICES DURING DEMOLITION AND CONSTRUCTION.
3. REMOVE ALL SURFACE RACEWAYS AND EXPOSED CONDUCTORS AT INTERIORS SERVING POWER, LIGHTING, TELECOMMUNICATIONS, DATA, CCTV AND SECURITY SYSTEMS. PROVIDE CONCEALED RACEWAY WITH CONDUCTORS TO MATCH EXISTING WITHIN NEW OR EXISTING WALLS. PROVIDE BLANK COVER PLATES AT ALL UNUSED OPENINGS, PAINTED TO MATCH SURROUNDING SURFACE. COORDINATE WORK WITH DRYWALL INSTALLER.
4. COORDINATE CAMERA AND TELE/DATA LOCATIONS WITH MARK GREGSON OF AA OIT DEPARTMENT.

GENERAL LIGHTING NOTES

1. REPLACE ALL LIGHTING FIXTURES WITH LED FIXTURES. REFER TO E-201 FOR LIGHTING FIXTURE SCHEDULE.
2. REPLACE LIGHTING CONTROL FACE PLATES.
3. REPLACE EMERGENCY LIGHTING AS INDICATED.
4. REPLACE EMERGENCY EXIT SIGNS AS INDICATED.

POWER KEYNOTES NOTES

1. REPLACE RECEPTACLE WITH GFCI RECEPTACLE SERVING WATER FOUNTAIN.
2. REMOVE EXISTING TIMECLOCK OUTLET FROM FIRE RATED STAIR. PROVIDE REGRESSED CLOCK-TYPE RECEPTACLE AND EMPLOYEE TIMECLOCK IN OPEN OFFICE.
3. PROVIDE LUMINAIRE AT HEIGHT TO MATCH OTHER EXISTING LUMINAIRES IN THIS AREA. CONNECT TO EXISTING CIRCUIT WITH CONDUIT AND CONDUCTORS TO MATCH EXISTING.
4. REPLACE DIMMER SWITCH FOR EACH ZONE WITH LED COMPATIBLE DIMMER.
5. PROVIDE RECEPTACLE COVER WITH WEATHERPROOF-IN-USE COVER (TYPICAL FOR ALL EXTERIOR RECEPTACLES).
6. REPLACE PHONE/DATA OUTLET WITH OUTLET TO MATCH EXISTING.
7. MAKE ALL FINAL CONNECTIONS TO DOOR MOTOR AND PUSHBUTTONS (FURNISHED BY DIVISION 08). COORDINATE FINAL LOCATIONS WITH DOOR INSTALLER.
8. PROVIDE LUMINAIRE AND CONNECT TO EXISTING CIRCUIT SERVING THIS AREA WITH CONDUCTORS AND CONDUIT TO MATCH EXISTING.
9. PROVIDE TWO-PORT TELECOM/DATA OUTLET AT 60" AFF. PROVIDE CONDUCTORS AND CONDUIT TO EXISTING PATCH PANEL TO MATCH EXISTING.
10. EXISTING TELECOMMUNICATIONS RACK TO REMAIN. ASSIGN NETWORK PORTS AS REQUIRED TO ACCOMODATE NEW OUTLETS.
11. MAKE ALL FINAL CONNECTIONS TO DAMPER MOTOR. COORDINATE FINAL LOCATION WITH MECHANICAL INSTEALLER.
12. REMOVE EXISTING LAMP AND PROVIDE 11 WATT, 3500KM 1100 LUMEN, ENCLOSED AND DAMP RATED LAMP IN EXISTING LUMINAIRE. FIELD VERIFY LAMP BASE.
13. INSTALL EMERGENCY INVERTER/DRIVER ABOVE ACCESSIBLE CEILING IN ADJACENT SPACE.
14. PROVIDE NEW RECEPTACLE AT 60" AFF CONNECT TO EXISTING CIRCUIT SERVING THIS SPACE WITH CONDUIT AND CONDUCTORS TO MATCH EXISTING.
15. PROVIDE NEW LIGHT SWITCH AT 44" AFF TO SERVE LIGHTING IN THIS SPACE.
16. LOWER EXISTING ELECTRICAL BOX AND PLATE TO ACCOMMODATE NEW LUMINAIRE AS NEEDED. LOWER ADJACENT LUMINAIRE TO EQUAL HEIGHT.



VISITOR CENTER - FIRST FLOOR ELECTRICAL PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

AECOM

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — STEFANOS CONSTANTINOPOLITIS — No. 50610 — PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 50610, EXPIRATION DATE 06/19/2025."

NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: TC	FIRE PUMP BUILDING–VISITOR CENTER & BLUE HERON RENOVATIONS
		CHECKED BY: JL	600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE	APPROVED DATE	SHEET NO. 59 OF 73	VISITOR CENTER FIRST FLOOR ELECTRICAL PLAN
		PROJECT NO. P584600	E102
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. 10493	

GENERAL POWER NOTES

1. REPLACE EXTERIOR GFCI RECEPTACLE COVERS .
2. PANELBOARDS TO BE TESTED AND/OR REPLACED UNDER SEPARATE CONTRACT.
3. REMOVE ALL SURFACE RACEWAYS AND EXPOSED CONDUCTORS AT INTERIORS SERVING POWER, LIGHTING, TELECOMMUNICATIONS, DATA, CCTV AND SECURITY SYSTEMS. PROVIDE CONCEALED RACEWAY WITH CONDUCTORS TO MATCH EXISTING WITHIN NEW OR EXISTING WALLS. PROVIDE BLANK COVER PLATES AT ALL UNUSED OPENINGS, PAINTED TO MATCH SURROUNDING SURFACE. COORDINATE WORK WITH DRYWALL INSTALLER.

GENERAL COMMUNICATIONS NOTES

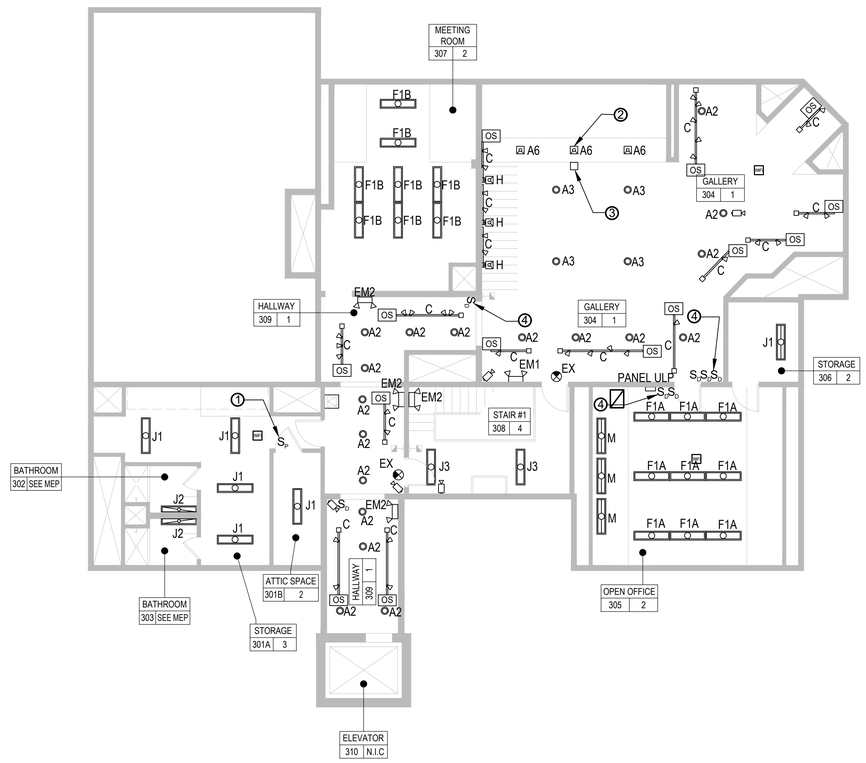
1. REPLACE ALL DAMAGED COMMUNICATIONS DEVICES.
2. PROTECT EXISTING SECURITY CAMERAS AND DEVICES DURING DEMOLITION AND CONSTRUCTION.
3. COORDINATE CAMERA AND TELE/DATA LOCATIONS WITH MARK GREGSON OF AA OIT DEPARTMENT.

GENERAL LIGHTING NOTES

1. REPLACE LIGHTING FIXTURES WITH LED FIXTURES. REFER TO E-201
2. FOR LIGHTING FIXTURE SCHEDULE.
3. REPLACE LIGHTING CONTROL FACE PLATES.
4. REPLACE EMERGENCY LIGHTING AS INDICATED.
5. REPLACE EMERGENCY EXIT SIGNS AS INDICATED.

POWER KEYNOTES NOTES

1. REPLACE SWITCH WITH LED PILOT LIGHT SWITCH. PROVIDE LABEL "ATTIC STORAGE LIGHT".
2. INSTALL DRIVER ABOVE CEILING NEAR EXISTING ADJACENT ACCESS PANEL. REINSTALL GLARE SHIELD AFTER LUMINAIRE INSTALLATION. TYPICAL FOR TYPE A6.
3. APPROXIMATE LOCATION OF EXISTING ACCESS PANEL IN CEILING. REFER TO KEYNOTE 2, THIS SHEET.
4. REPLACE DIMMER SWITCH FOR EACH ZONE WITH LED COMPATIBLE DIMMER.



VISITOR CENTER - SECOND FLOOR ELECTRICAL PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

AECOM

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 50610, EXPIRATION DATE 06/19/2025."

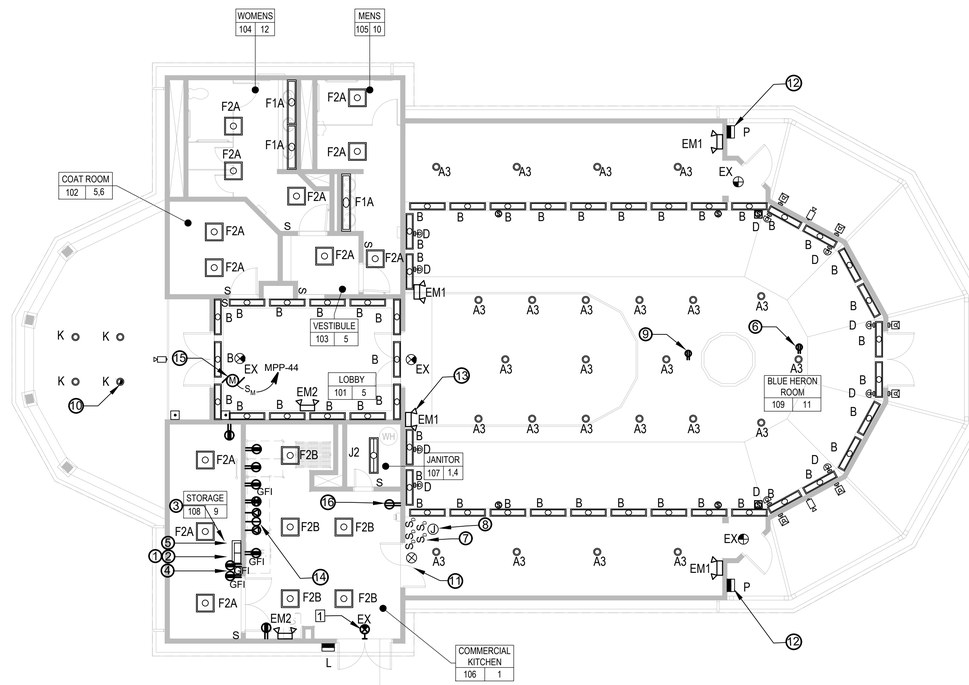
STATE OF MARYLAND · HARRY CONSTANTINOPLE · No. 50610 · PROFESSIONAL ENGINEER

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: TC CHECKED BY: JL	
APPROVED DATE	APPROVED DATE	SHEET NO. 60 OF 73	VISITOR CENTER SECOND FLOOR ELECTRICAL PLAN
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. 10493	E103



BLUE HERON - ELECTRICAL FLOOR PLAN

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

GENERAL POWER NOTES

1. PROVIDE RECEPTACLE TO BE INSTALLED FOR MOTORIZED CEILING MOUNTED PROJECTOR. LOCATION TO BE CONFIRMED WITH OWNER.
2. PROVIDE CONDUIT FOR UNPROTECTED BRANCH CIRCUITS IN THE STORAGE ROOM.
3. PANELBOARD MPP-A TO BE TESTED AND/OR REPLACED UNDER SEPARATE CONTRACT.
4. ENCLOSED CIRCUIT BREAKER SERVING RTU-1 TO BE INSPECTED, TESTED AND REPAIRED OR REPLACED IF DEFECTIVE.
5. REMOVE ALL SURFACE RACEWAYS AND EXPOSED CONDUCTORS AT INTERIORS SERVING POWER, LIGHTING, TELECOMMUNICATIONS, DATA, CCTV AND SECURITY SYSTEMS. PROVIDE CONCEALED RACEWAY WITH CONDUCTORS TO MATCH EXISTING WITHIN NEW OR EXISTING WALLS. PROVIDE BLANK COVER PLATES AT ALL UNUSED OPENINGS, PAINTED TO MATCH SURROUNDING SURFACE. COORDINATE WORK WITH DRYWALL INSTALLER.

GENERAL LIGHTING NOTES

1. PROVIDE NEW LED LIGHTING. REFER TO E-201
2. FOR LIGHTING FIXTURE SCHEDULE.
3. REPLACE ALL LIGHTING CONTROLS WITH LED COMPATIBLE UNITS.
4. REPLACE EXISTING EMERGENCY LIGHTING WITH LED TYPE. REFER TO LIGHTING SCHEDULE E-201.

LIGHTING KEYNOTES

1 REPLACE EMERGENCY EXIT SIGN.

POWER KEYNOTES NOTES

1. REPLACE EXISTING PANEL MPP WITH PANELBOARD INDICATED ON E202. EXTEND EXISTING CIRCUITS WITH CONDUCTORS AND CONDUIT TO MATCH EXISTING.
2. PROVIDE CIRCUIT BREAKER LOCK ON PANEL MPP CIRCUIT#36.
3. REPAIR CONDUIT AND CONDUIT SEALS AT ROOF SERVING WIRE TROUGH TO ENSURE WATER TIGHTNESS.
4. PANEL MPP-A. PROVIDE (2) 1P/20A CIRCUIT BREAKERS TO REPLACE 2P BREAKER AT CIRCUITS 9 AND 11.
5. PROVIDE ENCLOSED CIRCUIT BREAKER FOR RTU-1.
6. PROVIDE RECESSED CEILING MOUNTED RECEPTACLE FOR CEILING MOUNTED PROJECTION SCREEN. VERIFY FINAL LOCATION WITH PROJECTOR INSTALLER.
7. REPLACE DIMMER SWITCH FOR EACH ZONE WITH LED COMPATIBLE DIMMER.
8. PROVIDE ALL FINAL CONNECTIONS TO CONTROLS FOR MOTORIZED SCREEN AND PROJECTOR. VERIFY FINAL LOCATION WITH PROJECTOR INSTALLER.
9. PROVIDE RECESSED CEILING MOUNTED RECEPTACLE FOR CEILING MOUNTED PROJECTOR. VERIFY FINAL LOCATION WITH PROJECTOR INSTALLER.
10. INSTALL EMERGENCY INVERTER/DRIVER ABOVE ACCESSIBLE CEILING IN ADJACENT INTERIOR SPACE.
11. REMOVE EXISTING EXIT SIGN AT THIS LOCATION. PROVIDE BLANK COVER PLATE, PAINTED TO MATCH SURROUNDING WALL.
12. PROVIDE LUMINAIRE AT 7'-0" AFF. CONNECT TO LINE SIDE OF SWITCH SERVING EXTERIOR LIGHTING.
13. PROVIDE LUMINAIRE AT HEIGHT TO MATCH OTHER EXISTING LUMINAIRES IN THIS AREA. CONNECT TO EXISTING CIRCUIT WITH CONDUIT AND CONDUCTORS TO MATCH EXISTING.
14. REMOVE EXISTING NEMA 10-50R RECEPTACLE AND CONDUCTORS. PROVIDE (2) SIMPLEX NEMA 5-20R RECEPTACLES WITH 2#12 AWG & 1# 12 IN 3/4" C TO CIRCUITS MPP-A-9 AND MPP-A-11.
15. MAKE ALL FINAL CONNECTIONS TO DOOR MOTOR AND PUSHBUTTONS (FURNISHED BY DIVISION 08). COORDINATE FINAL LOCATIONS WITH DOOR INSTALLER.
16. EXISTING SPLIT-WIRED RECEPTACLE TO REMAIN.

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

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STATE OF MARYLAND
FRANCIS CONSTANTINO PE
No. 50610
PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION.
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NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: TC / CHECKED BY: JL	FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE	APPROVED DATE	SHEET NO. 61 OF 73	BLUE HERON ELECTRICAL FLOOR PLAN
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 / CONTRACT NO. 10493	E104

LIGHTING FIXTURE SCHEDULE

ID	STYLE	DESCRIPTION	MOUNTING	LAMP TYPE	LAMP WATTS	LAMP LUMENS	LAMP CCT (K)	LLF	EFFICACY LU/W	VOLTS	BASIS OF DESIGN MANUFACTURER AND CATALOG NUMBER	REMARKS
A1		DOWNLIGHT, 6" APERTURE, GALVANIZED STEEL FRAME, WHITE TRIM, WHITE FLANGE, WIDE DISTRIBUTION, DIMMABLE, SHALLOW REMODEL HOUSING.	RECESSED	LED	5.8	500	3500	0.9	86	120	LITHONIA LDN6-35/05-L06-WR-TRW-MVGLT-GZ10	
A2		DOWNLIGHT, 6" APERTURE, GALVANIZED STEEL FRAME, SEMI-SPECULAR REFLECTOR, WHITE FLANGE, WIDE DISTRIBUTION, DIMMABLE, SHALLOW REMODEL HOUSING, IC-RATED.	RECESSED	LED	12.8	910	3500	0.9	71	120	JESCO RLH-60-12-JB-RIC-3590-WHWH	FIELD SELECT CCT AND LUMEN OUTPUT AS INDICATED.
A3		DOWNLIGHT, 6" APERTURE, GALVANIZED STEEL FRAME, SEMI-SPECULAR REFLECTOR, WHITE FLANGE, WIDE DISTRIBUTION, DIMMABLE, SHALLOW REMODEL HOUSING, IC-RATED.	RECESSED	LED	30	3200	3500	0.9	107	120	JESCO RLET-6130-SW3-HZWH-R	FIELD SELECT CCT AND LUMEN OUTPUT AS INDICATED.
A4		DOWNLIGHT, 6" APERTURE, GALVANIZED STEEL FRAME, WHITE TRIM, WHITE FLANGE, WIDE DISTRIBUTION, DIMMABLE, SHALLOW REMODEL HOUSING.	RECESSED	LED	44.3	4000	3500	0.9	90	120	LITHONIA LDN6-35/40-L06-WR-TRW-MVGLT-GZ10	
A5		DOWNLIGHT, 6" APERTURE, GALVANIZED STEEL FRAME, WHITE TRIM, WHITE FLANGE, WIDE DISTRIBUTION, DIMMABLE, SHALLOW REMODEL HOUSING.	RECESSED	LED	17.5	1500	3500	0.9	86	120	LITHONIA LDN6-35/15-L06-WR-TRW-MVGLT-GZ10	
A6		DOWNLIGHT, 6" APERTURE, GALVANIZED STEEL FRAME, SMOOTH BLACK TRIM , DIMMABLE, SHALLOW REMODEL HOUSING, 30°- 50° SLOPED IC-RATED HOUSING.	RECESSED	LED	18	1600	3500	0.9	89	120	LOTUS LED LRG6-HO-35K-6RSL-BK	ADJUST GIMBAL DOWNWARD.
B		COVELIGHT, *48"L x 1 .5"H x 2.4"W, POLYMER EXTRUDED HOUSING, POLYCARBONATE INJECTED LENS, TILTED ASYMMETRIC 30° X 75° DISTRIBUTION.	SURFACE	LED	12	1254	3500	0.9	105	120	LUMENPULSE LUMENCOVE LCN2 RO-UL-120-*48-35K-TAW-CL-WH	TILT TO CENTER OF ROOM 30° FROM VERTICAL. *PROVIDE 12" AS NEEDED.
C		TRACK LIGHT, 3.88" x 3" DIA. HEADS, 43° DISTRIBUTION, 90 CRI, SINGLE CIRCUIT, FLOATING FEED, MATTE WHITE FINISH.	SURFACE	LED	9.7	740	3500	0.9	76	120	JUNO R600L-G2-35K-90CRI-PDIM-FL-WH	PROVIDE HEADS AS INDICATED ON PLANS. AIM PER OWNER DIRECTIVE.
D		DECORATIVE SCONCE, 11.875" x 7.25"W x 4" D, RINGED ALUMINUM HOUSING, ACRYLIC DIFFUSER, DIMMABLE, ADA COMPLIANT, MATTE CHROME FINISH.	WALL	LED	12.5	1195	3500	0.9	96	120	TERON LN-L12.5-LT-UNIV-STD-35K	
EM1		EMERGENCY LIGHT, 2-HEAD, OVAL 13.4" x 5.9" x 3.7" THERMOPLASTIC HOUSING, 90 MINUTE NICAD BATTERY, SELF DIAGNOSTICS.	WALL	LED	11	1100	5000	0.9	100	120	HOLOPHANE CZQ6L-UVOLT-LTP-SDRT	AIM LUMINAIRE HEADS PER NFPA 101 REQUIREMENTS.
EM2		EMERGENCY LIGHT, 2-HEAD, OVAL 9.72" x 3.10" x 4.68" THERMOPLASTIC HOUSING, 90 MINUTE NICAD BATTERY, SELF DIAGNOSTICS.	WALL	LED	2	220	5000	0.9	92	120	HOLOPHANE CZQ2L-UVOLT-LTP-SDRT	AIM LUMINAIRE HEADS PER NFPA 101 REQUIREMENTS.
EX		EXIT SIGN, THERMOPLASTIC HOUSING 11.8" x 7.6" x 2", 90 MINUTE NICAD BATTERY, SELF DIAGNOSTICS.	WALL	LED	0.62	N/A	N/A	0.9	N/A	120	LITHONIA LQM-SM-W-3-R-MVOLT-EL N-SD	CONFIGURE FACES AND DIRECTIONAL ARROWS AS INDICATED.
F1A		TROFFER 1' x 4' X 4.5"H WHITE STEEL HOUSING, A12 ACRYLIC LENS, INTERNAL DRIVER, IC-RATED.	RECESSED	LED	18.5	2000	3500	0.9	108	120	LITHONIA GTL-4-20L-EZ1-LP835-*DGA14	*PROVIDE WITH FLANGE ADAPTER AS NEEDED.
F1B		TROFFER 1' x 4' X 4.5"H WHITE STEEL HOUSING, A12 ACRYLIC LENS, INTERNAL DRIVER, IC-RATED.	RECESSED	LED	28.4	3300	3500	0.9	116	120	LITHONIA GTL-4-33L-EZ1-LP835-*DGA14	*PROVIDE WITH FLANGE ADAPTER AS NEEDED.
F2A		TROFFER, 2' x 2' WHITE STEEL HOUSING,A12 ACRYLIC LENS, INTERNAL DRIVER, DAMP LOCATION LISTED.	RECESSED	LED	18.4	2000	3500	0.9	109	120	LITHONIA 2GTL-20L-EZ1-LP835-*DGA22	*PROVIDE WITH FLANGE ADAPTER AS NEEDED.
F2B		TROFFER, 2' x 2' WHITE STEEL HOUSING,A12 ACRYLIC LENS, INTERNAL DRIVER, DAMP LOCATION LISTED.	RECESSED	LED	33.6	4000	3500	0.9	119	120	LITHONIA 2GTL-40L-EZ1-LP835-*DGA24	*PROVIDE WITH FLANGE ADAPTER AS NEEDED.
F3		TROFFER, 2' x 4' WHITE STEEL HOUSING,A12 ACRYLIC LENS, INTERNAL DRIVER, DAMP LOCATION LISTED.	RECESSED	LED	23.3	3000	3500	0.9	129	120	LITHONIA 2GTL-4-30L-EZ1-LP835	
G		PICTURE LIGHT, 27" ARC-SHAPED ARM, MR16 LED LAMP, 85 CRI.	WALL	LED	7.5	525	3000	0.9	70	120	PRIMA 66700-LED	PROVIDE MONORAIL, TRANSFORMER, AND SUPPORTS AS REQUIRED.
H		6" DIA X 11"H UP/DOWN CYLINDER, ALUMINUM HOUSING, WALLWASH OPTIC DOWNLIGHT, FORWARD THROW UPLIGHT, DIMMABLE, WHITE FINISH.	WALL	LED	30	3000	3500	0.9	100	120	ALCON 11219-2D-L30-B60-UNI-35K-WH	
J1		WRAPAROUND, SMOOTH POLYCARBONATE LENS, 48" x 5.50' x 3.5", DAMP LOCATION LISTED.	WALL / CEILING	LED	11	1500	3500	0.9	136	120	LITHONIA BLWP4 15L ADP LP835	
J2		WRAPAROUND, SMOOTH POLYCARBONATE LENS, 48" x 5.50' x 3.5", DAMP LOCATION LISTED.	WALL / CEILING	LED	16	2000	3500	0.9	125	120	LITHONIA BLWP4 20L ADP LP835	
J3		WRAPAROUND, SMOOTH POLYCARBONATE LENS, 48" x 5.50' x 3.5", DAMP LOCATION LISTED.	WALL / CEILING	LED	25	3000	3500	0.9	120	120	LITHONIA BLWP4 30L ADP LP835	
J4		WRAPAROUND, SMOOTH POLYCARBONATE LENS, 48" x 5.50' x 3.5", DAMP LOCATION LISTED.	WALL / CEILING	LED	40	4800	3500	0.9	120	120	LITHONIA BLWP4 48L ADP LP835	
K		DOWNLIGHT, 6" APERTURE, GALVANIZED STEEL FRAME, SEMI-SPECULAR REFLECTOR, WHITE FLANGE, WIDE DISTRIBUTION, DIMMABLE, SHALLOW REMODEL HOUSING, DAMP LOCATION LISTED, *REMOTE 90-MIINUTE BATTERY.	RECESSED	LED	30	3200	3500	0.9	107	120	JESCO RLET-6130-SW3-HZWH-R-*EM	FIELD SET CCT AND LUMENS. *PROVIDE BATTERY WHERE SHOWN.
L		ACORN SCONCE, 21.75"H x 10.75"W, CAST ALUMINUM BRACKET, POLYCARBONATE LENS, WET LOCATION LISTED, SATIN BRONZE FINISH.	WALL	LED	11	1100	3500	0.9	100	120	SPECIAL LIGHT PRODUCTS 2817-PC1016CL-INCAN	PROVIDE ENCLOSED AND DAMP LOCATION RATED LAMP.
M		UNDERCABINET LUMINAIRE, 32" x 3.5" x 1.2", ALUMINUM HOUSING, 180° SWIVEL ACRYLIC LENS, OFF/HI/LO SWITCH, DIMMABLE, WHITE FINISH.	SURFACE	LED	18	1100	3500	0.9	61	120	PLT SOLUTIONS PLT-20266	FIELD SET CCT/LUMENS. AIM LENS DOWNWARD, OPAQUE SIDE TO VIEWER.
N		VANITY UP/DOWN LUMINAIRE, 36" x 5.75" x 6.5", STEEL AND ALUMINUM HOUSING, ACRYLIC LENS, DIMMABLE, WHITE FINISH.	SURFACE	LED	46.6	6174	3500	0.9	132	120	HE WILLIAMS WMAUD-3-L30/835U/L30/835D-AF-DIM-UNV	PROVIDE SIDING ADAPTER PLATE AS NEEDED.
P		DECORATIVE SCONCE, 112" x 6.5"W x 3.5" D, RINGED ALUMINUM HOUSING, ADA COMPLIANT, SATIN BRONZE FINISH, WET LOCATION LISTED, 90 MINUTE BATTERY, INTEGRAL PHOTOCELL.	WALL	LED	9	1400	3500	0.9	156	120	LIGHTWAY MANW-612-LED-F1H-3-A-Z1-WSA-21-42-BB10	

GENERAL POWER NOTES

1. MOUNT LUMINAIRES IN SAME LOCATION, ORIENTATION AND AIMING AS EXISTING LUMINAIRES, UNLESS OTHERWISE NOTED.

AECOM

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Baltimore, Maryland 21227-1044
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(410) 785-7220

STATE OF MARYLAND — FRANCIS CONSTANTINO JR. — No. 50610 — PROFESSIONAL ENGINEER

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 50610, EXPIRATION DATE 02/19/2025."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE CHIEF ENGINEER	APPROVED DATE PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE ASSISTANT CHIEF ENGINEER	APPROVED DATE CHIEF, RIGHT OF WAY	DRAWN BY: CHECKED BY: SHEET NO. 62 OF 73 PROJECT NO. P584600 CONTRACT NO. 10493	ELECTRICAL SCHEDULE — E201

GENERAL POWER NOTES

1. REFER TO E104 FOR PANELBOARD LOCATION.
2. PANELBOARD MPP NET LOAD REDUCTION IS APPROXIMATELY 1837 VOLT-AMPERES, DUE TO REPLACEMENT OF ALL EXISTING LUMINAIRES WITH NEW LED LUMINAIRES.

SWITCHBOARD MDP

LOCATION LOWER LEVEL
MOUNTING SURFACE NEMA 1
MAIN DEVICE 2000 A GROUND FAULT
BUS AMPS 2000 A
VOLTAGE 208Y/120V 3Ø 4W
AIC RATING 65,000 A SYM

DESCRIPTION	CKT	POLE	BKR	DESCRIPTION
CHILLER	1	3	1200	
PANEL MRP	2	3	225	
PANEL MLP	3	3	100	
PANEL ULP	4	3	100	
PANEL S	5	3	225	
PANEL SL	6	3	100	
PANEL MPP	7	3	400	
AHU-1	8	3	90	
AHU-2	9	3	90	
WH-1	10	3	100	
WH-2	11	3	100	
ELEVATOR	12	3	175	PROVIDE SHUNT TRIP BREAKER AND TEST SWITCH.
SPARE	13	3	100	
SPARE	13	3	100	
SPD	14	3	60	PROVIDE INTEGRAL SPD UNIT.

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Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND — HOWARD SIDNEY CONSTANTINOU — No. 50610 — PROFESSIONAL ENGINEER

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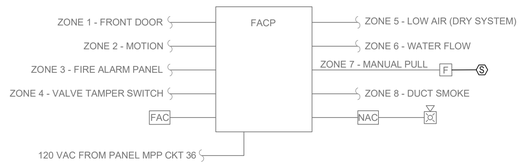
NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE — CHIEF ENGINEER	APPROVED DATE — PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
		DRAWN BY:	
		CHECKED BY:	
APPROVED DATE — ASSISTANT CHIEF ENGINEER	APPROVED DATE — CHIEF, RIGHT OF WAY	SHEET NO. 63 OF 73	ELECTRICAL SCHEDULE — E202
		PROJECT NO. P584600	
		CONTRACT NO. 10493	

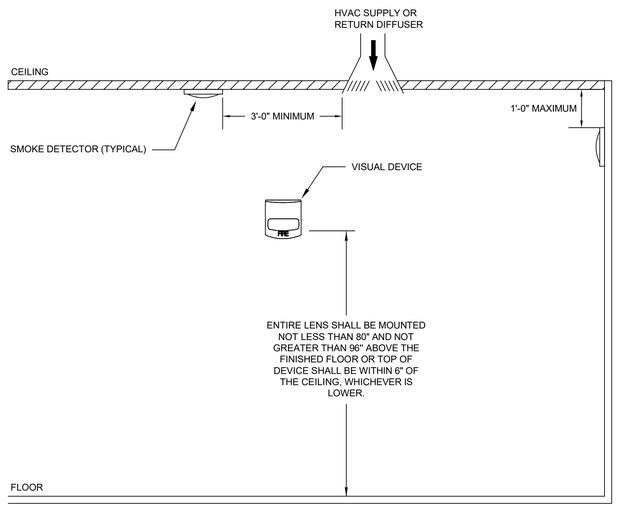


NOTE: FIRE ALARM RISER DIAGRAM IS DIAGRAMMATIC ONLY AND SHALL NOT BE USED AS A DEVICE OR CIRCUIT COUNT. EXISTING CIRCUITS AND EQUIPMENT ARE SHOWN GRAY. REFER TO FLOOR PLANS FOR LOCATIONS AND QUANTITY OF FIRE ALARM DEVICES.

BLUE HERON - FIRE ALARM RISER DIAGRAM

SCALE: NOT TO SCALE

1



TYPICAL DEVICE MOUNTING DETAIL

SCALE: NOT TO SCALE

2

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
FACP	EXISTING TO REMAIN FIRE ALARM CONTROL PANEL
FATC	EXISTING TO REMAIN FIRE ALARM TERMINAL CABINET
FAC	EXISTING TO REMAIN FIRE ALARM COMMUNICATOR
NAC	EXISTING TO REMAIN NOTIFICATION APPLIANCE BOOSTER POWER SUPPLY
S	NEW PHOTOELECTRIC SMOKE DETECTOR
S	EXISTING TO REMAIN SMOKE DETECTOR
F	EXISTING TO REMAIN MANUAL PULL STATION
	EXISTING TO REMAIN HORN/STROBE
CD	NEW WALL MOUNTED STROBE - CD INDICATES MINIMUM CANDELA RATING

ABBREVIATIONS

AHJ	AUTHORITY HAVING JURISDICTION
FAC	FIRE ALARM COMMUNICATOR
FACP	FIRE ALARM CONTROL PANEL
IBC	INTERNATIONAL BUILDING CODE
IEBC	INTERNATIONAL EXISTING BUILDING CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
SP	SPRINKLER

FIRE ALARM GENERAL NOTES:

1. THE FIRE ALARM SCOPE OF WORK INCLUDES MODIFICATIONS AS LISTED BELOW AND SHOWN ON THE DRAWINGS TO THE EXISTING FIRE ALARM SYSTEMS IN THE QUIET WATERS VISITOR CENTER AND BLUE HERON BUILDING.

   A. VISITOR CENTER GROUND FLOOR:
      A.1. PROVIDE CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING WHERE INDICATED IN STAIR #1 103 AND STORAGE 109.
   B. VISITOR CENTER FIRST FLOOR:
      B.1. PROVIDE CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING WHERE INDICATED IN STAIR #1 207.
      B.2. PROVIDE NEW STROBE IN NEW MEETING ROOM 202A.
   C. VISITOR CENTER SECOND FLOOR:
      C.1. PROVIDE CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING WHERE INDICATED IN STAIR #1 308.
   D. BLUE HERON GROUND FLOOR:
      D.1. PROVIDE NEW SMOKE DETECTOR AT EXISTING FIRE ALARM PANEL.
      D.2. PROVIDE CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING WHERE INDICATED IN STORAGE 108.

2. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS, INSPECTIONS, AND TESTING REQUIRED BY THE AHJ.

3. FIRE ALARM PLANS ARE DIAGRAMMATIC ONLY. DEVICES MAY REQUIRE ADJUSTMENT IN THE FIELD. ANY ADJUSTMENTS IN THE FIELD SHALL BE AT THE FIRE ALARM CONTRACTOR'S EXPENSE.

4. CONTRACTOR SHALL ROUTE WIRING AND CONDUIT ALONG THE SHORTEST AND MOST COST EFFECTIVE ROUTE WHERE POSSIBLE. DO NOT MIX POWER LIMITED AND NON-POWER LIMITED WIRING WITHIN THE SAME CONDUIT. CONTRACTOR SHALL NOT EXCEED 40% CONDUIT FILL.

5. COORDINATE ALL FIRE ALARM SYSTEM EQUIPMENT WITH ALL OTHER TRADES TO AVOID CONFLICTS. PROVIDE ALL NECESSARY FITTINGS, EQUIPMENT, HANGERS, OFFSETS, ROUTING, ETC. TO AVOID ALL CONFLICTS AT NO ADDITIONAL COST.

6. MOUNTING OF FIELD DEVICES SHALL BE COORDINATED IN THE FIELD. BACK BOXES IN FINISHED AREAS SHALL BE RECESSED IN GYPSUM BOARD PARTITIONS AND GYPSUM BOARD AND LAY IN CEILINGS. DEVICES IN UNFINISHED AREAS AND AREAS WITHOUT CEILINGS SHALL BE SURFACE MOUNTED AND BE PROVIDED WITH THE MANUFACTURER'S SURFACE MOUNTED BACK BOXES.

7. ROUTE ALL NEW FIRE ALARM WIRING IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 70.

8. ALL NEW FIRE ALARM CONDUIT SHALL BE FACTORY PAINTED RED.

9. SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN 3 FEET OF HVAC SUPPLY REGISTERS OR RETURN GRILLES.

10. PROTECT ALL EXISTING TO REMAIN DEVICES, CONDUIT, AND WIRING IN THE AREAS OF WORK. WHERE DRYWALL IS REPLACED, REMOVE AND PROTECT EXISTING DEVICE(S) AND REINSTALL IN THE SAME LOCATION.

APPLICABLE CODES

INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION
INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2021 EDITION
NFPA 1, FIRE CODE, 2018 EDITION
NFPA 70, NATIONAL ELECTRICAL CODE, 2020 EDITION
NFPA 72, NATIONAL FIRE ALARM SIGNALING CODE, 2016 EDITION
NFPA 101, LIFE SAFETY CODE, 2021 EDITION

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

AECOM
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Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND
JONATHAN C. WEIM
No. 40440
PROFESSIONAL ENGINEER
3/28/25

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 40440, EXPIRATION DATE 01/11/2026."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

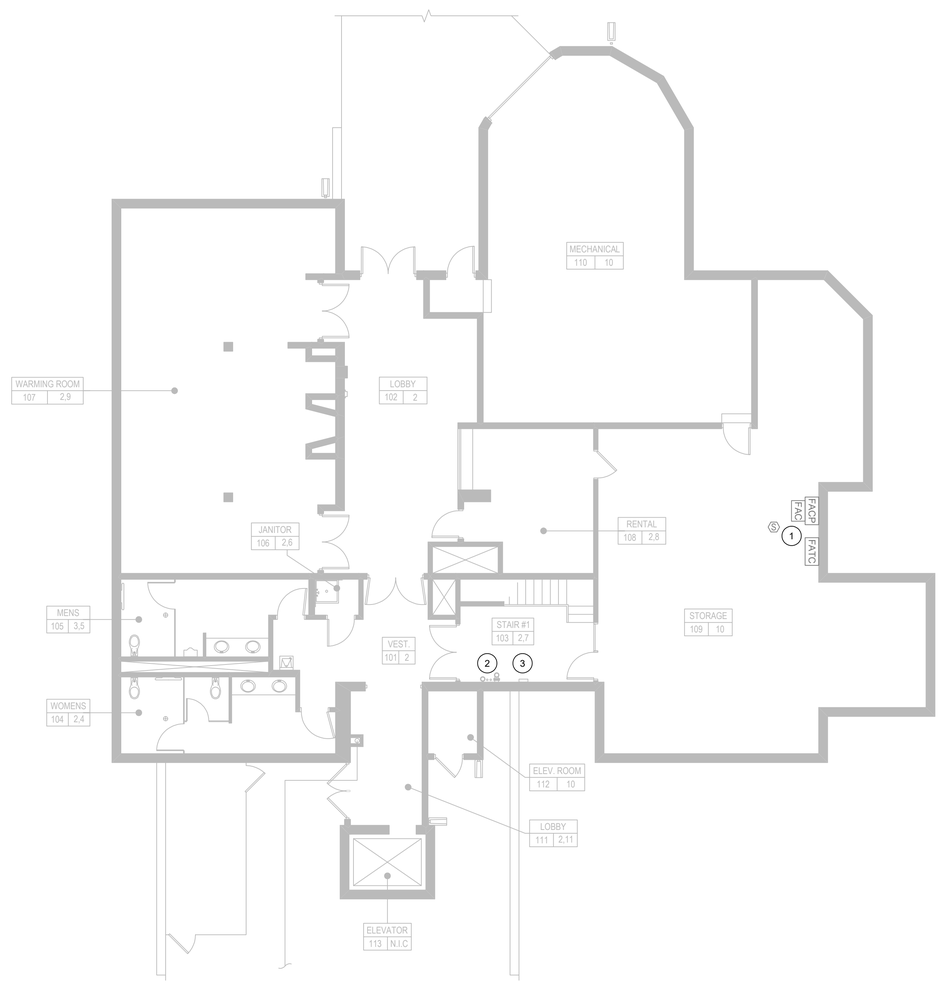
APPROVED DATE CHIEF ENGINEER	APPROVED DATE PROJECT MANAGER	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
		DRAWN BY: JH	
		CHECKED BY: SH	
APPROVED DATE ASSISTANT CHIEF ENGINEER	APPROVED DATE CHIEF, RIGHT OF WAY	SHEET NO. 64 OF 73	FIRE PROTECTION GENERAL NOTES AND LEGEND
		PROJECT NO. P584600	FA001
		CONTRACT NO. 10493	

GENERAL NOTES:

1. REFER TO DRAWING FA001 FOR FIRE ALARM GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. DRAWING INCLUDES ONLY FIRE ALARM EQUIPMENT AFFECTED BY THIS SCOPE OF WORK.

DRAWING NOTES:

1. PROVIDE CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING BETWEEN THE FACP AND FATC.
2. PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING ROUTED BELOW CEILING TO SPRINKLER SYSTEM WATER FLOW SWITCH AND BUTTERFLY VALVE TAMPER SWITCH.
3. PROVIDE CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING ROUTED BELOW CEILING TO EXISTING JUNCTION BOX.



VISITOR CENTER - GROUND FLOOR FIRE ALARM PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

AECOM

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

STATE OF MARYLAND
JONATHAN C. KIEM
No. 40440
PROFESSIONAL ENGINEER
3/28/25

"PROFESSIONAL CERTIFICATION.
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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

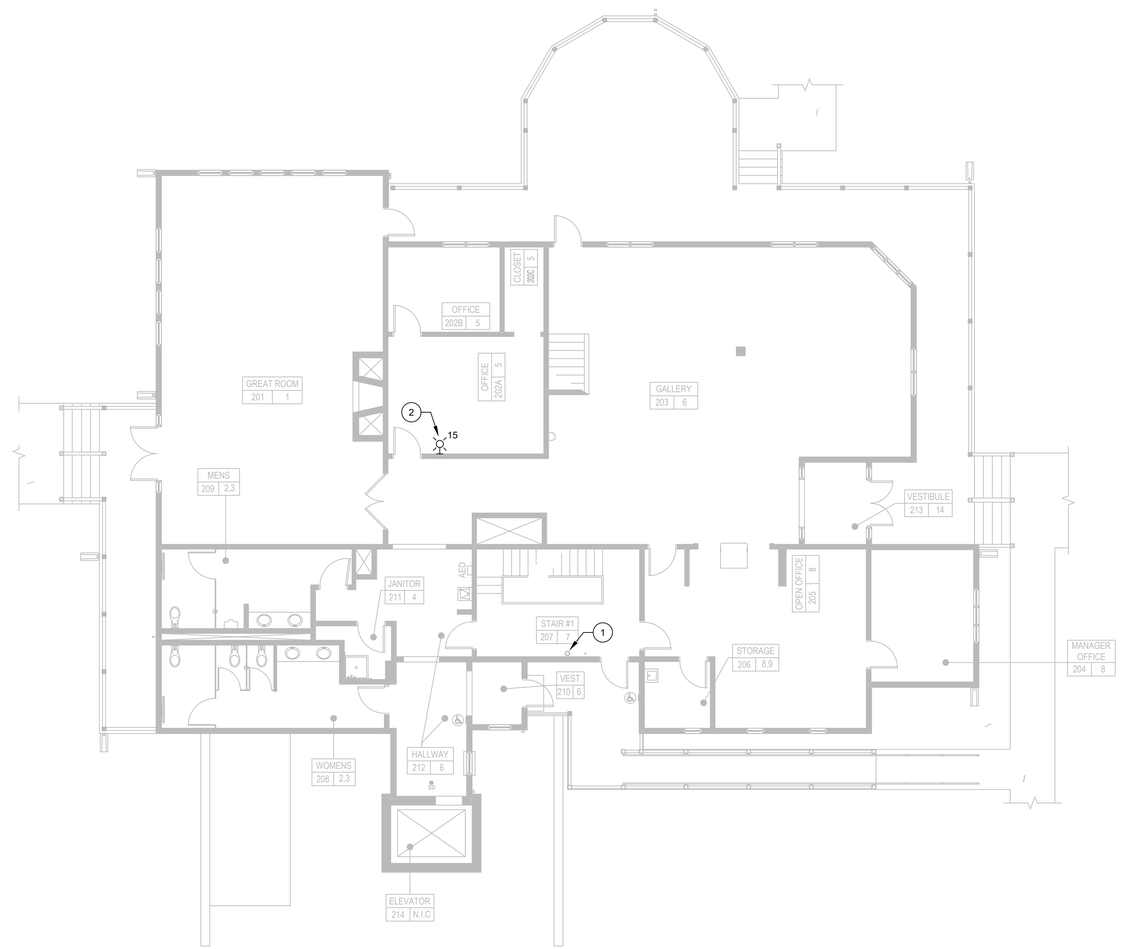
APPROVED DATE CHIEF ENGINEER	APPROVED DATE PROJECT MANAGER	SCALE: AS NOTED DRAWN BY: JH CHECKED BY: SH	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
APPROVED DATE ASSISTANT CHIEF ENGINEER	APPROVED DATE CHIEF, RIGHT OF WAY	SHEET NO. 65 OF 73 PROJECT NO. P584600 CONTRACT NO. 10493	VISITOR CENTER GROUND FLOOR FIRE ALARM PLAN — FA101

GENERAL NOTES:

1. REFER TO DRAWING FA001 FOR FIRE ALARM GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. DRAWING INCLUDES ONLY FIRE ALARM EQUIPMENT AFFECTED BY THIS SCOPE OF WORK.

DRAWING NOTES:

1. PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING ROUTED BELOW CEILING TO SPRINKLER SYSTEM WATER FLOW SWITCH AND BUTTERFLY VALVE TAMPER SWITCH.
2. ROOM 202A IS PLANNED TO BE USED AS A MEETING ROOM AND REQUIRES VISUAL NOTIFICATION IN ACCORDANCE WITH IBC SECTION 907.5.2.3.1 AS A COMMON USE AREA. NEW STROBE SHALL HAVE A RED FACEPLATE TO MATCH EXISTING BUILDING NOTIFICATION APPLIANCES.



VISITOR CENTER - FIRST FLOOR FIRE ALARM PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

AECOM

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND JONATHAN C. HEW No. 40440 PROFESSIONAL ENGINEER 3/28/25

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NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JH	
		CHECKED BY: SH	
APPROVED DATE	APPROVED DATE	SHEET NO. 66 OF 73	VISITOR CENTER FIRST FLOOR FIRE ALARM PLAN
		PROJECT NO. P584600	FA102
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. 10493	

GENERAL NOTES:

1. REFER TO DRAWING FA001 FOR FIRE ALARM GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. DRAWING INCLUDES ONLY FIRE ALARM EQUIPMENT AFFECTED BY THIS SCOPE OF WORK.

DRAWING NOTES:

1. PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING ROUTED BELOW CEILING TO SPRINKLER SYSTEM PRESSURE SWITCH AND BUTTERFLY VALVE TAMPER SWITCH.

VISITOR CENTER - SECOND FLOOR FIRE ALARM PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-6444

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4 North Park Drive, Suite 300
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STATE OF MARYLAND JONATHAN C. KEIM No. 40440 PROFESSIONAL ENGINEER

3/28/25

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 40440, EXPIRATION DATE 01/11/2026."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

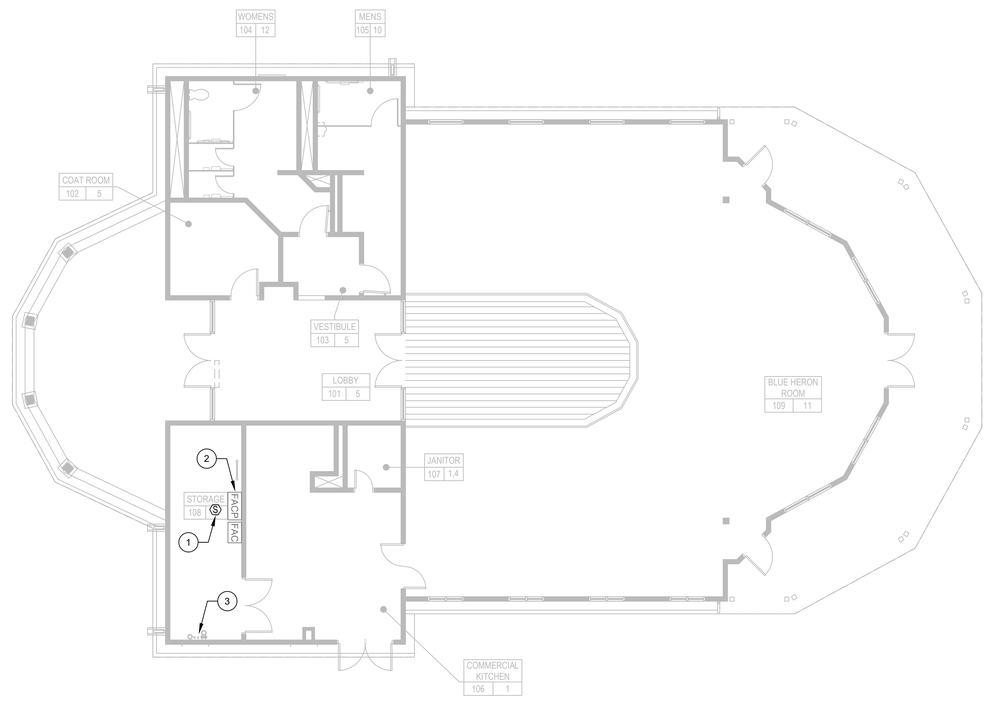
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JH CHECKED BY: SH	
APPROVED DATE	APPROVED DATE	SHEET NO. 67 OF 73	VISITOR CENTER SECOND FLOOR FIRE ALARM PLAN
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. 10493	FA103

GENERAL NOTES:

1. REFER TO DRAWING FA001 FOR FIRE ALARM GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. DRAWING INCLUDES ONLY FIRE ALARM EQUIPMENT AFFECTED BY THIS SCOPE OF WORK.

DRAWING NOTES:

1. PROVIDE NEW SMOKE DETECTOR ABOVE FIRE ALARM PANEL. CONNECT NEW SMOKE DETECTOR TO EXISTING FIRE ALARM PULL STATION CIRCUIT, ZONE 7.
2. PROVIDE CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING BETWEEN THE FACP AND CEILING, AND BETWEEN THE FACP AND FTR.
3. PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT FOR EXISTING EXPOSED FIRE ALARM WIRING ROUTED BELOW CEILING TO SPRINKLER SYSTEM PRESSURE SWITCH AND OS&Y VALVE TAMPER SWITCH.



BLUE HERON - FIRE PROTECTION PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

3700 Koppers Street, Suite 300
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Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND JONATHAN C. KEIM No. 40440 PROFESSIONAL ENGINEER
3/28/25

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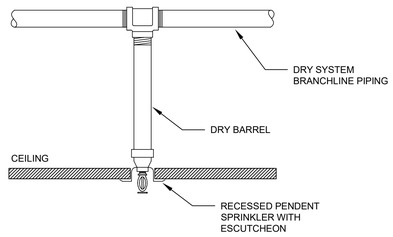
NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

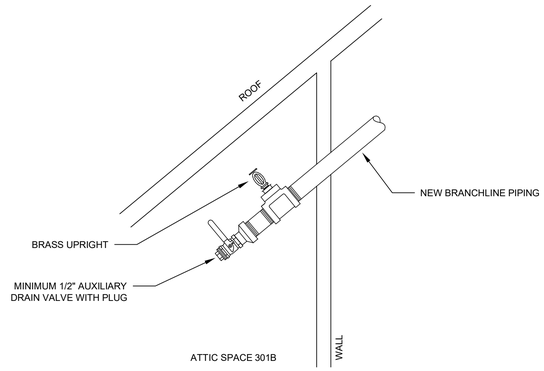
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JH CHECKED BY: SH	
APPROVED DATE	APPROVED DATE	SHEET NO. 68 OF 73	BLUE HERON FIRE PROTECTION PLAN — FA104
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. 10493	



BLUE HERON - DRY PENDENT SPRINKLER INSTALLATION DETAIL

4

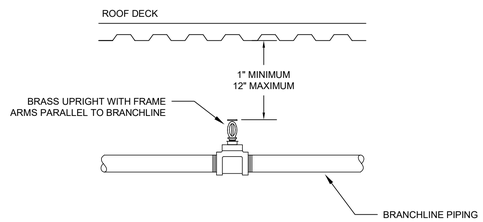
SCALE: NOT TO SCALE



VISITOR CENTER - ATTIC SPACE 301B SPRINKLER INSTALLATION DETAIL

1

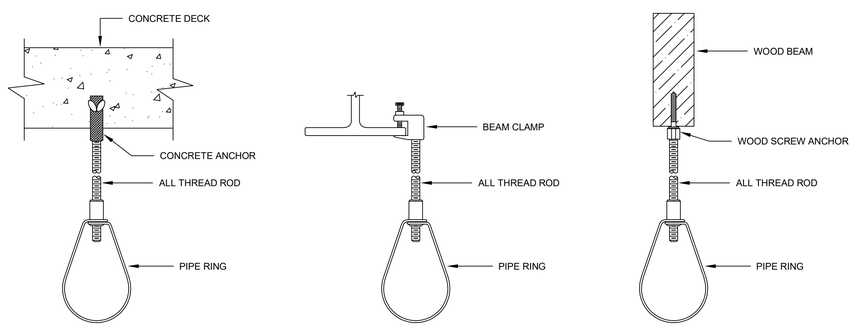
SCALE: NOT TO SCALE



TYPICAL UPRIGHT SPRINKLER INSTALLATION DETAIL

2

SCALE: NOT TO SCALE



NOTE: ALL SPRINKLER PIPE HANGER COMPONENTS SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13.

TYPICAL HANGER DETAILS

3

SCALE: NOT TO SCALE

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
	PIPE ELBOW UP
	PIPE ELBOW DOWN
	PIPE TEE DOWN
	NEW UPRIGHT SPRINKLER
	NEW PENDENT SPRINKLER
	EXISTING TO BE DEMOLISHED PENDENT SPRINKLER
	EXISTING TO BE DEMOLISHED SIDEWALL SPRINKLER
	EXISTING TO REMAIN UPRIGHT SPRINKLER
	EXISTING TO REMAIN PENDENT SPRINKLER
	EXISTING TO REMAIN SIDEWALL SPRINKLER
SP	NEW SPRINKLER PIPE
SP	EXISTING TO REMAIN SPRINKLER PIPE
	NEW FIRE EXTINGUISHER WITH CABINET
	NEW AUXILIARY DRAIN VALVE

ABBREVIATIONS

AHJ	AUTHORITY HAVING JURISDICTION
FAC	FIRE ALARM COMMUNICATOR
FACP	FIRE ALARM CONTROL PANEL
IBC	INTERNATIONAL BUILDING CODE
IEBC	INTERNATIONAL EXISTING BUILDING CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
SP	SPRINKLER

FIRE PROTECTION GENERAL NOTES:

1. THE FIRE PROTECTION SCOPE OF WORK INCLUDES MODIFICATIONS AS LISTED BELOW AND SHOWN ON THE DRAWINGS TO THE EXISTING WET AND DRY SPRINKLER SYSTEMS IN THE QUIET WATERS VISITOR CENTER AND BLUE HERON BUILDING.

   A. VISITOR CENTER GROUND FLOOR:
   - A.1. REPLACE EXISTING PENDENT SPRINKLERS WHERE INDICATED ON DRAWINGS IN MECHANICAL ROOM 110 WITH NEW UPRIGHT SPRINKLERS.
   - A.2. DEMOLISH EXISTING PENDENT SPRINKLERS AND PLUG EXISTING TO REMAIN OUTLETS WHERE INDICATED IN MECHANICAL ROOM 110.
   - A.3. REPLACE MISSING SPRINKLER ESCUTCHEONS WHERE INDICATED IN WARMING ROOM AND LOBBY.

   B. VISITOR CENTER FIRST FLOOR:
   - B.1. REPLACE ALL CORRODED SPRINKLERS ON PORCHES WITH NEW CORROSION RESISTANT SPRINKLERS.
   - B.2. RELOCATE EXISTING SPRINKLER FROM NEW OFFICE 202B TO NEW STORAGE ROOM 202C.
   - B.3. ADJUST SPRINKLER INSTALLATION WHERE INDICATED IN GALLERY 203 AND HALLWAY 212 SUCH THAT SPRINKLER DEFLECTORS ARE A MINIMUM 1-INCH BELOW THE CEILING.
   - B.4. REPLACE MISSING SPRINKLER ESCUTCHEON WHERE INDICATED IN HALLWAY 212.
   - B.5. REPLACE PAINTED SPRINKLER IN CORRIDOR NEAR NEW MEETING ROOM 202A.

   C. VISITOR CENTER SECOND FLOOR:
   - C.1. RELOCATE EXISTING PENDENT SPRINKLER WHERE INDICATED IN STORAGE 301A AWAY FROM EXISTING BULKHEAD TO MEET THE OBSTRUCTION REQUIREMENTS OF NFPA 13.
   - C.2. PROVIDE NEW SPRINKLER IN COMBUSTIBLE ATTIC SPACE 301B. SUPPLY NEW SPRINKLER FROM EXISTING SECOND FLOOR DRY SPRINKLER SYSTEM PIPING.

   D. BLUE HERON GROUND FLOOR:
   - D.1. REPLACE MISSING SPRINKLER ESCUTCHEONS WHERE INDICATED IN MENS ROOM 105 AND BLUE HERON ROOM 109.
   - D.3. PROVIDE NEW DRY PENDENT SPRINKLER WHERE INDICATED AT EXISTING PLUGGED BRANCHLINE OUTLET IN STORAGE 108.
   - D.4. PROVIDE NEW FIRE EXTINGUISHER AND ASSOCIATED CABINET WHERE INDICATED IN COMMERCIAL KITCHEN 306.

2. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS, INSPECTIONS, AND TESTING REQUIRED BY THE AHJ.

3. FIRE SUPPRESSION PLANS ARE DIAGRAMMATIC ONLY. SPRINKLERS, PIPING, AND FITTINGS MAY REQUIRE ADJUSTMENT IN THE FIELD. ANY ADJUSTMENTS IN THE FIELD SHALL BE AT THE FIRE PROTECTION CONTRACTOR'S EXPENSE.

4. COORDINATE ALL FIRE SUPPRESSION SYSTEM EQUIPMENT WITH ALL OTHER TRADES TO AVOID CONFLICTS. PROVIDE ALL NECESSARY FITTINGS, EQUIPMENT, HANGERS, OFFSETS, ROUTING, ETC. TO AVOID ALL CONFLICTS AT NO ADDITIONAL COST.

5. ALL FIRE SUPPRESSION PIPING 2-INCHES AND SMALLER MUST BE MINIMUM SCHEDULE 40 BLACK STEEL. ALL FIRE SUPPRESSION PIPING LARGER THAN 2-INCHES MUST BE MINIMUM SCHEDULE 10 BLACK STEEL.

6. ALL FIRE PROTECTION PIPING SHALL BE RUN ABOVE SUSPENDED CEILINGS, EXCEPT IN ROOMS WITHOUT SUSPENDED CEILINGS.

7. ALL FIRE PROTECTION PIPING SHALL BE SUPPORTED INDEPENDENTLY BY THE BUILDING STRUCTURAL MEMBERS IN ACCORDANCE WITH NFPA 13.

8. PROTECT ALL EXISTING TO REMAIN SPRINKLERS IN EXISTING TO BE REPLACED GYPSUM AND ACOUSTIC TILE CEILINGS.

APPLICABLE CODES

INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION
INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2021 EDITION
NFPA 1, FIRE CODE, 2018 EDITION
NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION
NFPA 101, LIFE SAFETY CODE, 2021 EDITION

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3700 Koppers Street, Suite 300
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STATE OF MARYLAND
JONATHAN C. HEIM
No. 40440
PROFESSIONAL ENGINEER
3/28/25

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NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

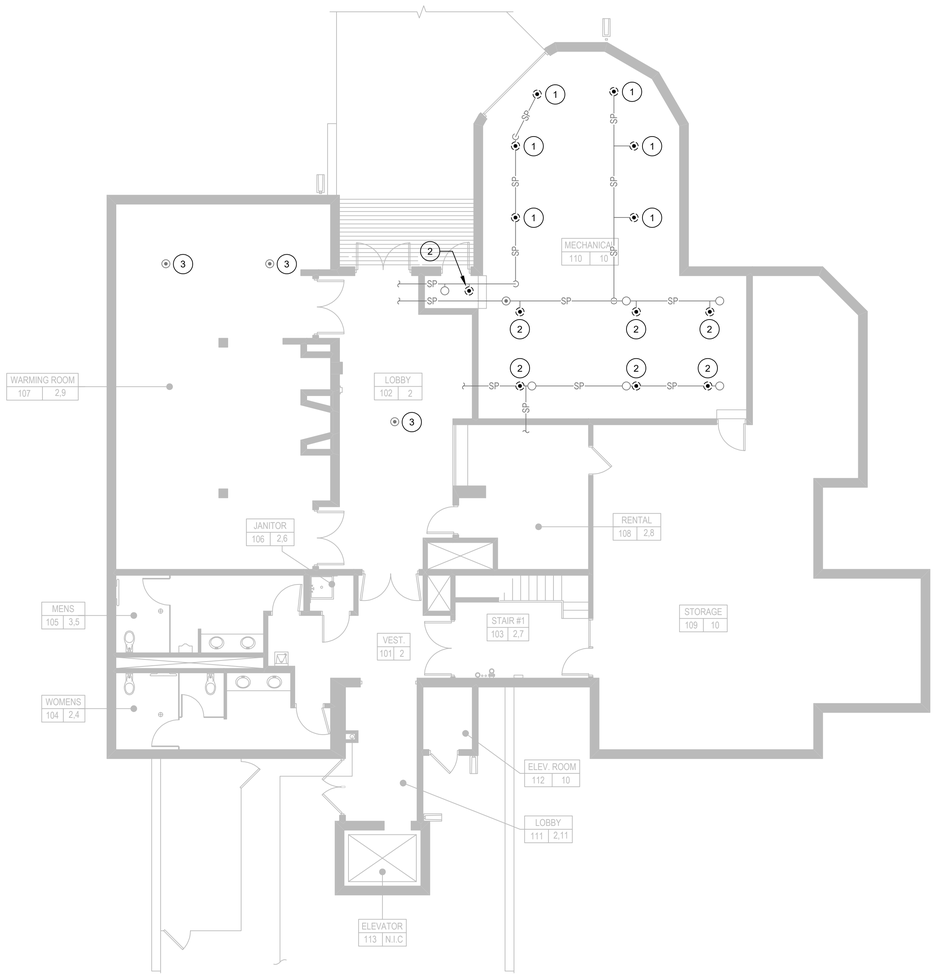
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JH	
		CHECKED BY: SH	
APPROVED DATE	APPROVED DATE	SHEET NO. 69 OF 73	FIRE PROTECTION GENERAL NOTES AND LEGEND
		PROJECT NO. P584600	FP001
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. 10493	

GENERAL NOTES:

1. REFER TO DRAWING FP001 FOR FIRE PROTECTION GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. DRAWING INCLUDES ONLY SPRINKLERS AND PIPING AFFECTED BY THIS SCOPE OF WORK.

DRAWING NOTES:

1. REPLACE EXISTING PENDENT SPRINKLER WITH NEW UPRIGHT SPRINKLER.
2. DEMOLISH EXISTING PENDENT SPRINKLER AND PLUG EXISTING TO REMAIN OUTLET.
3. PROVIDE NEW ESCUTCHEON AT EXISTING SPRINKLER APPROXIMATELY THIS LOCATION.



VISITOR CENTER - GROUND FLOOR FIRE PROTECTION PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

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STATE OF MARYLAND
JONATHAN C. REIM
No. 40440
PROFESSIONAL ENGINEER
3/28/25

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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

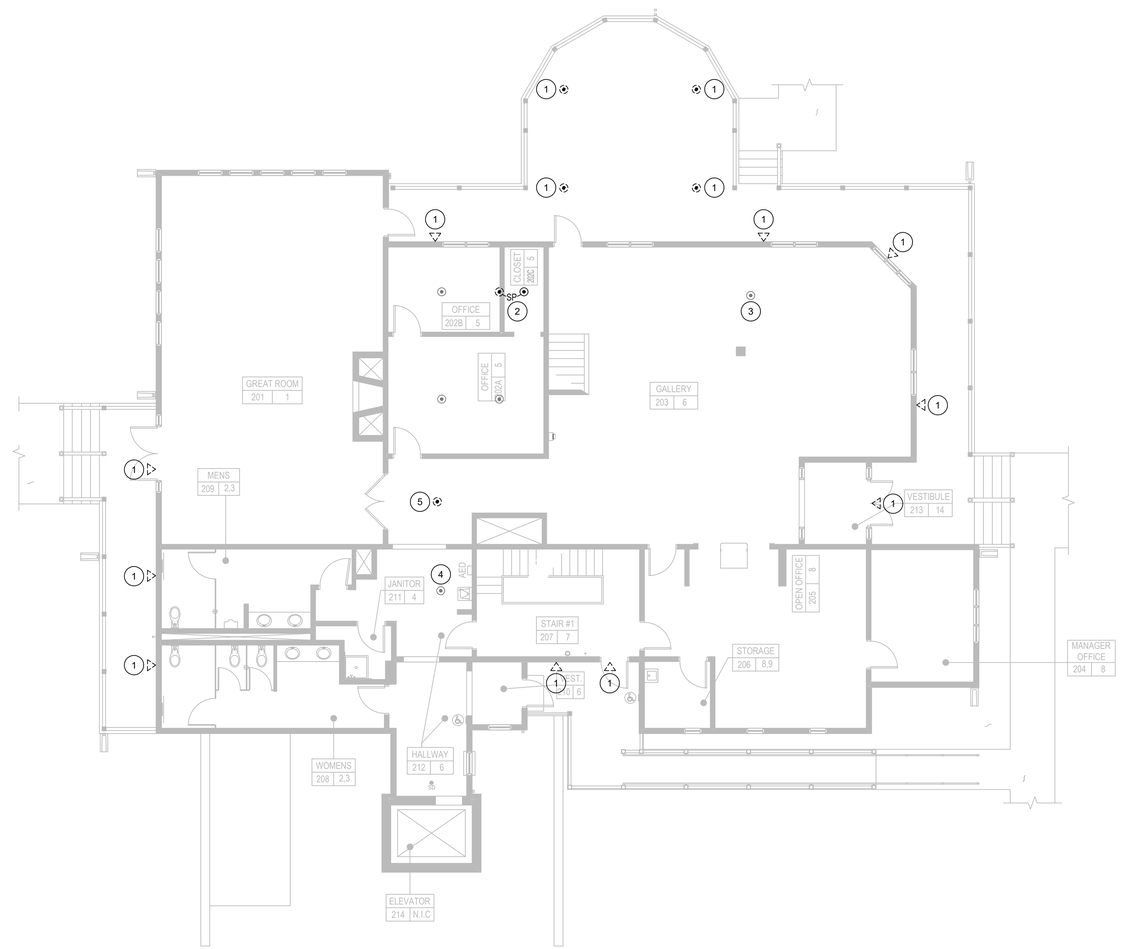
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JH CHECKED BY: SH	
APPROVED DATE	APPROVED DATE	SHEET NO. 70 OF 73 PROJECT NO. P584600	VISITOR CENTER GROUND FLOOR FIRE PROTECTION PLAN — FP101
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. 10493	

GENERAL NOTES:

1. REFER TO DRAWING FP001 FOR FIRE PROTECTION GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. DRAWING INCLUDES ONLY SPRINKLERS AND PIPING AFFECTED BY THIS SCOPE OF WORK.

DRAWING NOTES:

1. REPLACE EXISTING CORRODED SPRINKLER. NEW SPRINKLER SHALL HAVE A CORROSION RESISTANT FINISH AND SHALL MATCH EXISTING SPRINKLER PERFORMANCE PROPERTIES.
2. RELOCATE EXISTING SPRINKLER TO PROVIDE PROTECTION IN NEW CLOSET.
3. EXISTING SPRINKLER DEFLECTOR LOCATED ABOVE CEILING. ADJUST SPRINKLER INSTALLATION SUCH THAT DEFLECTOR IS A MINIMUM 1" BELOW NEW CEILING.
4. EXISTING SPRINKLER MISSING ESCUTCHEON AND DEFLECTOR LOCATED ABOVE CEILING. REPLACE MISSING ESCUTCHEON AND ADJUST SPRINKLER INSTALLATION SUCH THAT DEFLECTOR IS A MINIMUM 1" BELOW NEW CEILING.
5. REPLACE EXISTING PAINTED SPRINKLER APPROXIMATELY THIS LOCATION. NEW SPRINKLER SHALL MATCH EXISTING SPRINKLER PERFORMANCE AND APPEARANCE CHARACTERISTICS.



VISITOR CENTER - FIRST FLOOR FIRE PROTECTION PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

AECOM

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Telephone Number: 410-234-8444

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STATE OF MARYLAND JONATHAN C. HEIM No. 40440 PROFESSIONAL ENGINEER 3/28/25

"PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 40440, EXPIRATION DATE 01/11/2026."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE CHIEF ENGINEER	APPROVED DATE PROJECT MANAGER	SCALE: AS NOTED DRAWN BY: JH CHECKED BY: SH
APPROVED DATE ASSISTANT CHIEF ENGINEER	APPROVED DATE CHIEF, RIGHT OF WAY	SHEET NO. 71 OF 73 PROJECT NO. P584600 CONTRACT NO. 10493

QUIET WATERS PARK
FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS
600 QUIET WATERS PARK RD
ANNAPOLIS, MD 21403

VISITOR CENTER FIRST FLOOR FIRE PROTECTION PLAN

FP102

GENERAL NOTES:

1. REFER TO DRAWING FP001 FOR FIRE PROTECTION GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. DRAWING INCLUDES ONLY SPRINKLERS AND PIPING AFFECTED BY THIS SCOPE OF WORK.

DRAWING NOTES:

1. RELOCATE EXISTING RECESSED SPRINKLER AWAY FROM EXISTING BULKHEAD TO MEET THE OBSTRUCTION REQUIREMENTS OF NFPA 13.
2. PROVIDE NEW SPRINKLER IN COMBUSTIBLE STORAGE SPACE. SUPPLY NEW SPRINKLER FROM EXISTING SECOND FLOOR DRY SPRINKLER SYSTEM PIPING. PROVIDE AUXILIARY DRAIN ON NEW TRAPPED SECTION OF PIPING.

VISITOR CENTER - SECOND FLOOR FIRE PROTECTION PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

AECOM

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND JONATHAN C. KEIM No. 40440 PROFESSIONAL ENGINEER

3/28/25

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 40440, EXPIRATION DATE 01/11/2026."

NO.	DESCRIPTION	BY	DATE
△			

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

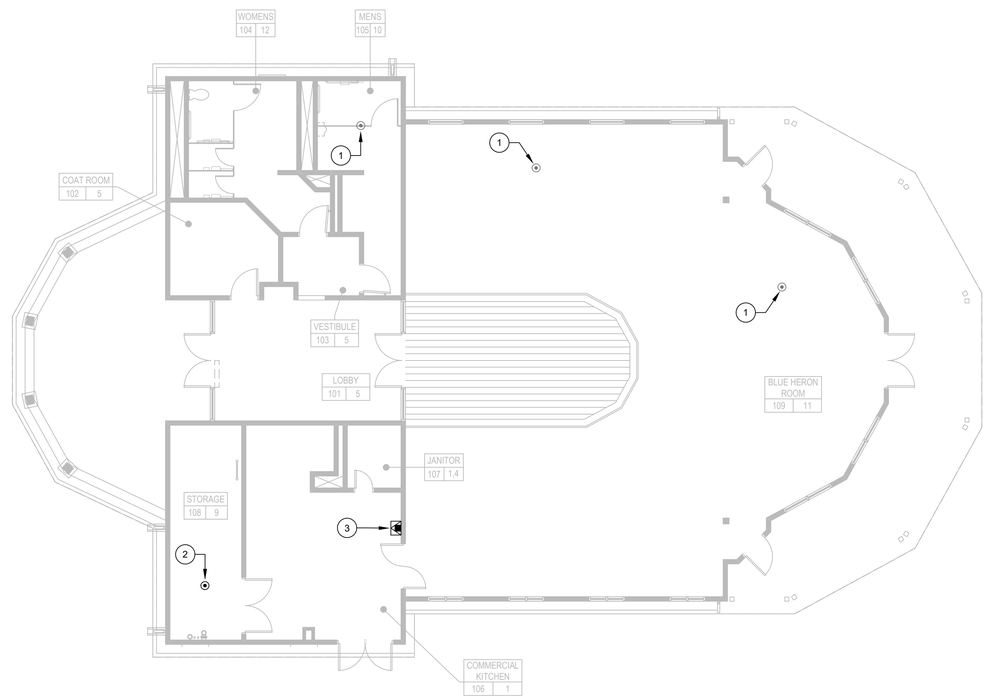
APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JH CHECKED BY: SH	
APPROVED DATE	APPROVED DATE	SHEET NO. 72 OF 73	VISITOR CENTER SECOND FLOOR FIRE PROTECTION PLAN — FP103
		PROJECT NO. P584600	
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	CONTRACT NO. 10493	

GENERAL NOTES:

1. REFER TO DRAWING FP001 FIRE PROTECTION GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. DRAWING INCLUDES ONLY SPRINKLERS AND PIPING AFFECTED BY THIS SCOPE OF WORK.

DRAWING NOTES:

1. PROVIDE NEW ESCUTCHEON AT EXISTING SPRINKLER APPROXIMATELY THIS LOCATION.
2. PROVIDE NEW DRY PENDENT SPRINKLER IN EXISTING CEILING. SUPPLY NEW SPRINKLER VIA EXISTING PLUGGED BRANCHLINE OUTLET. SPRINKLER SHALL MATCH TEMPERATURE RATING, RESPONSE TYPE, AND K-FACTOR OF EXISTING CENTRAL MODEL SSP52 SPRINKLERS LOCATED IN THIS ROOM.
3. PROVIDE NEW FIRE EXTINGUISHER IN SURFACE MOUNTED CABINET. REFER TO SPECIFICATION 10 44 16 FOR EXTINGUISHER AND CABINET REQUIREMENTS.



BLUE HERON - FIRE PROTECTION PLAN

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

GRAPHIC SCALE

0 4 8 16

1/8" = 1'-0"

3700 Koppers Street, Suite 300
Baltimore, Maryland 21227-1044
Telephone Number: 410-234-8444

AECOM

4 North Park Drive, Suite 300
Hunt Valley, Md. 21030
(410) 785-7220

STATE OF MARYLAND JONATHAN C. KEIM No. 40440 PROFESSIONAL ENGINEER 3/28/25

"PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 40440, EXPIRATION DATE 01/11/2026."

NO.	DESCRIPTION	BY	DATE
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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DATE: 03-28-2025

APPROVED DATE	APPROVED DATE	SCALE: AS NOTED	QUIET WATERS PARK FIRE PUMP BUILDING-VISITOR CENTER & BLUE HERON RENOVATIONS 600 QUIET WATERS PARK RD ANNAPOLIS, MD 21403
CHIEF ENGINEER	PROJECT MANAGER	DRAWN BY: JH CHECKED BY: SH	
APPROVED DATE	APPROVED DATE	SHEET NO. 73 OF 73	BLUE HERON FIRE PROTECTION PLAN — FP104
ASSISTANT CHIEF ENGINEER	CHIEF, RIGHT OF WAY	PROJECT NO. P584600 CONTRACT NO. 10493	