

2024/05/01 3:25 PM
 T:\0\GH-RCH\PROJECTS\0218 - RICHMOND\WATER - ENG - SERVICES_02189\BYRD PARK MAIN PS DESIGN\21_05_WORKING DWGS\RC920-BA01_SERGIO SIERRA
 T:\0\GH-RCH\PROJECTS\0218 - RICHMOND\WATER - ENG - SERVICES_02189\BYRD PARK MAIN PS DESIGN\21_05_WORKING DWGS\RC920-BA01_SERGIO SIERRA

BUILDING OCCUPANCY CLASSIFICATION PER VCC 2018

- CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION
306.3 LOW-HAZARD FACTORY INDUSTRIAL, GROUP F-2
- CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS
OCCUPANCY CLASSIFICATION: F-2
TYPE: IIB
HEIGHT ABOVE GRADE PLANE: ALLOWED 55 FT NON SPRINKLERED
- NUMBER OF STORIES ABOVE GRADE PLANE
OCCUPANCY CLASSIFICATION: F-2
TYPE: IIB
ALLOWED: 3 NON SPRINKLERED
- ALLOWABLE AREA FACTOR
OCCUPANCY CLASSIFICATION: F-2
TYPE: IIB
AREA FACTOR ALLOWED: 23,000SF NON SPRINKLERED
- CHAPTER 6 TYPES OF CONSTRUCTION FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) FOR IIB
PRIMARY STRUCTURAL FRAME: 0
BEARING WALLS EXTERIOR: 0
NONBEARING WALLS EXTERIOR: 0
FLOOR CONSTRUCTION: 0
ROOF CONSTRUCTION: 0
- FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE
FIRE SEPARATION DISTANCE 10< X<30
TYPE OF CONSTRUCTION: IIB
OCCUPANCY GROUP: F-2
FIRE RESISTANCE: 0
- CHAPTER 9 FIRE PROTECTION SYSTEMS
AUTOMATIC SPRINKLER SYSTEMS: NOT REQUIRED FOR F-2 OCCUPANCIES
- CHAPTER 10 MEANS OF EGRESS
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT
INDUSTRIAL AREAS: 100 GROSS
- CHAPTER 11 ACCESSIBILITY
SPACES FREQUENTED ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR OR OCCASIONAL MONITORING OF EQUIPMENT ARE NOT REQUIRED TO COMPLY

2018 VIRGINIA EXISTING BUILDING CODE (VEBC)

- CHAPTER 5 CONFORMANCE
THE WORK SHALL NOT MAKE THE BUILDING LESS CONFORMING THAN IT WAS BEFORE THE REPAIR WAS UNDERTAKEN. REPAIRS SHALL BE DONE IN A MANNER THAT MAINTAINS THE FOLLOWING:
 1. LEVEL OF FIRE PROTECTION THAT IS EXISTING.
 2. LEVEL OF PROTECTION THAT IS EXISTING FOR THE MEANS OF EGRESS.
 3. LEVEL OF ACCESSIBILITY THAT IS EXISTING.
- CHAPTER 6 ALTERATIONS
601.2.1 LEVEL 1 ALTERATIONS INCLUDE THE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE.

LEVEL 1 ALTERATIONS SHALL COMPLY WITH THE APPLICABLE PROVISIONS SECTION 02.2

CONFORMANCE:
ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE FOLLOWING:
 1. LEVEL OF FIRE PROTECTION THAT IS EXISTING.
 2. LEVEL OF PROTECTION THAT IS EXISTING FOR THE MEANS OF EGRESS.
- CHAPTER 9 HISTORIC BUILDINGS
903.1 REPAIRS TO ANY PORTION OF AN HISTORIC BUILDING OR STRUCTURE SHALL BE PERMITTED WITH ORIGINAL OR LIKE MATERIALS AND ORIGINAL METHODS OF CONSTRUCTION.

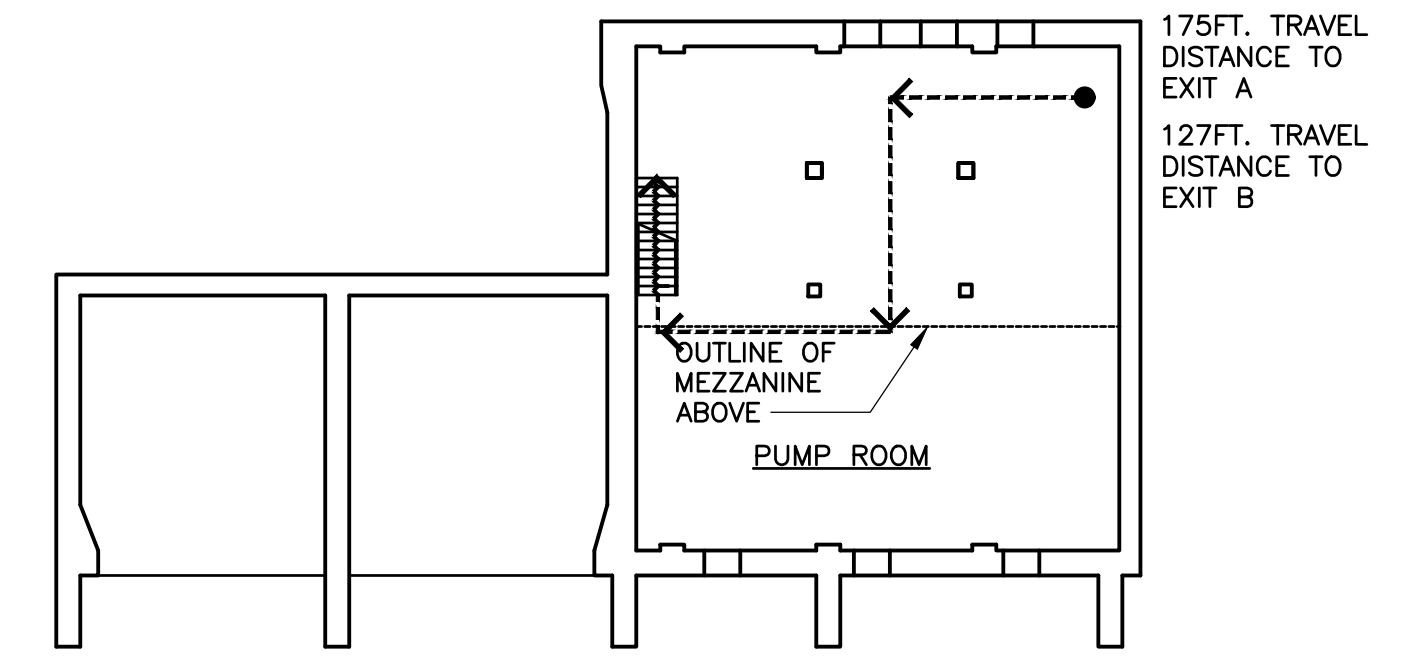
903.3 REPLACEMENT OF EXISTING OR MISSING FEATURES USING ORIGINAL MATERIALS SHALL BE PERMITTED. PARTIAL REPLACEMENT FOR REPAIRS THAT MATCH THE ORIGINAL IN CONFIGURATION, HEIGHT, AND SIZE SHALL BE PERMITTED.

904 FIRE SAFETY
EVERY HISTORIC BUILDING THAT DOES NOT CONFORM TO THE USE CONSTRUCTION REQUIREMENTS SPECIFIED IN THIS CODE FOR THE OCCUPANCY OR AND THAT CONSTITUTES A DISTINCT FIRE HAZARD AS DEFINED HEREIN SHALL BE PROVIDED WITH AN APPROVED AUTOMATIC FIRE-EXTINGUISHING SYSTEM AS DETERMINED APPROPRIATE BY THE CODE OFFICIAL. HOWEVER, AN AUTOMATIC FIRE-EXTINGUISHING SYSTEM SHALL NOT BE USED TO SUBSTITUTE FOR, OR ACT AS AN ALTERNATIVE TO, THE REQUIRED NUMBER OF EXITS FROM ANY FACILITY.

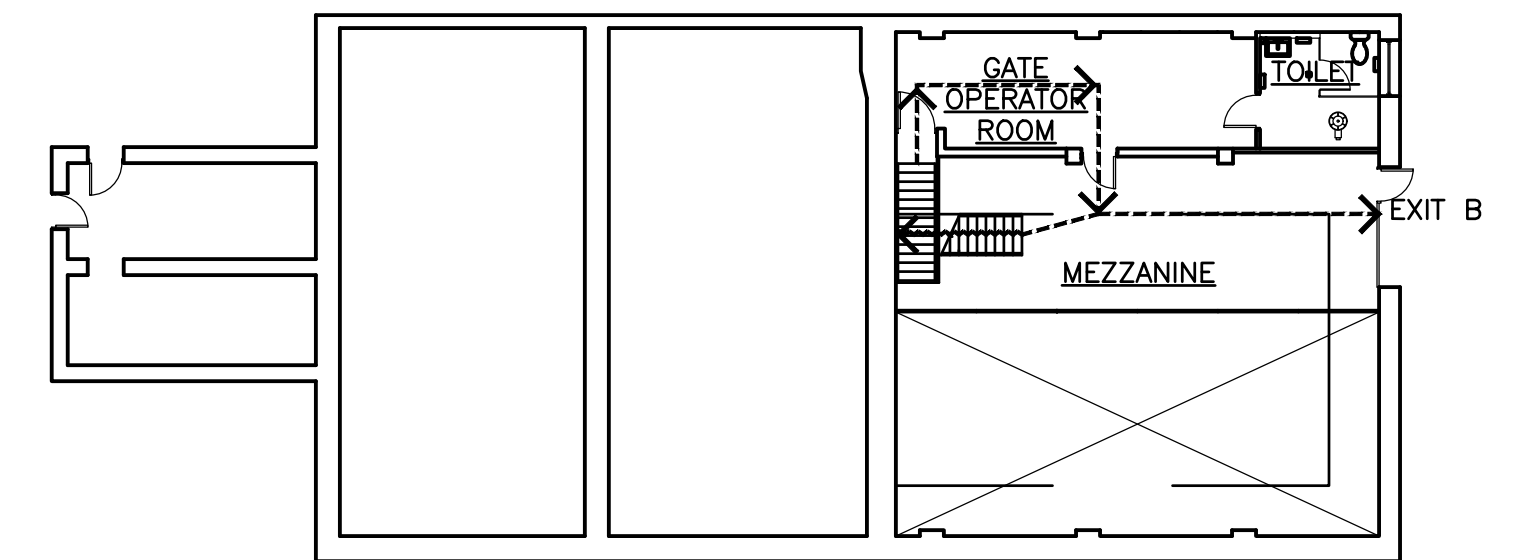
904.3 MEANS OF EGRESS
EXISTING DOOR OPENINGS AND CORRIDOR AND STAIRWAY WIDTHS LESS THAN THOSE SPECIFIED ELSEWHERE IN THIS CODE SHALL BE PERMITTED, PROVIDED THERE IS SUFFICIENT WIDTH AND HEIGHT FOR A PERSON TO PASS THROUGH THE OPENING OR TRAVERSE THE MEANS OF EGRESS. THE FRONT OR MAIN EXIT DOORS NEED NOT SWING IN THE DIRECTION OF THE PATH OF EXIT TRAVEL, PROVIDED THAT OTHER APPROVED MEANS OF EGRESS HAVING SUFFICIENT CAPACITY TO SERVE THE TOTAL OCCUPANT LOAD ARE PROVIDED.

GENERAL NOTES

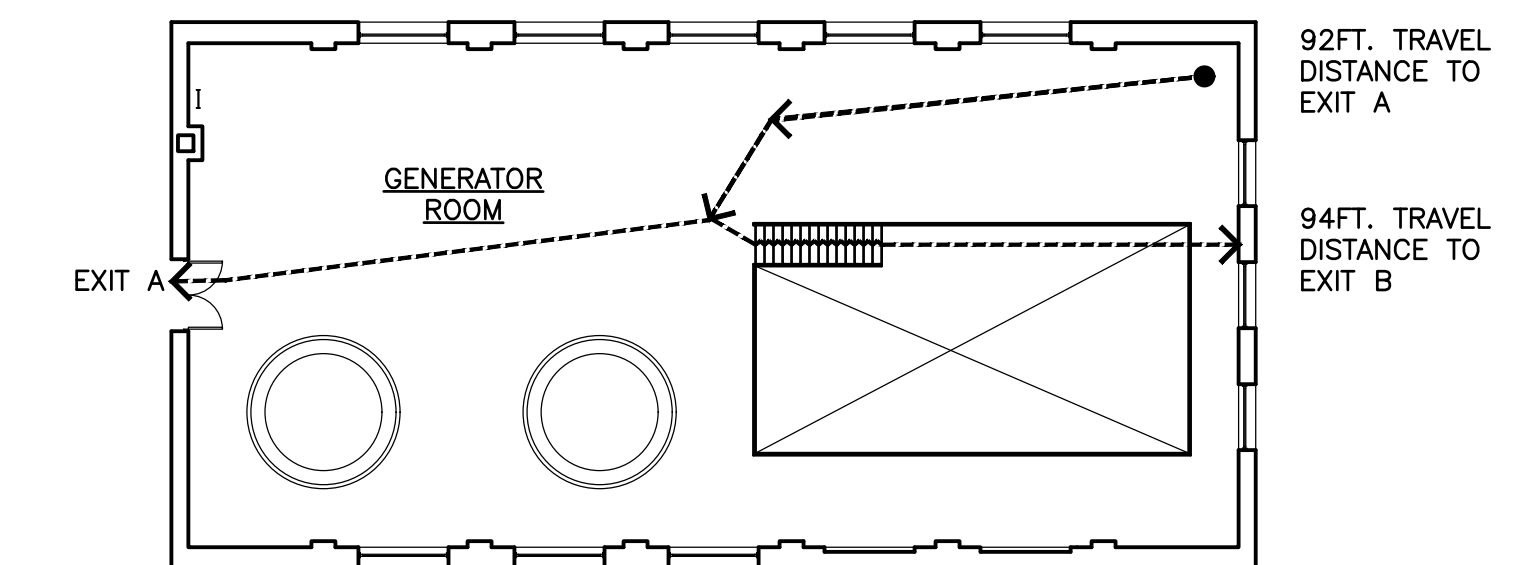
1. **CONDITIONS AFFECTING THE WORK:** BEFORE PROCEEDING WITH THE WORK THOROUGHLY EXAMINE CONDITIONS AT THE PROJECT SITE TO ENSURE THAT THE WORK CAN PROCEED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. REPORT CONDITIONS FOUND WHICH WILL ADVERSELY AFFECT THE WORK TO THE OWNER PRIOR TO PROCEEDING WITH THE WORK.
2. **DIMENSIONAL VERIFICATION:** BEFORE PROCEEDING WITH ANY WORK VERIFY ALL ASSOCIATED DIMENSIONS. REPORT ANY DIMENSIONAL VARIATIONS BETWEEN FIELD CONDITIONS AND PROPOSED WORK WHICH WILL ADVERSELY AFFECT THE WORK TO THE OWNER PRIOR TO PROCEEDING. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE.
3. **NOTES:** NOTES APPEAR ON VARIOUS DRAWINGS FOR DIFFERENT SYSTEMS AND MATERIALS. REVIEW ALL SHEETS AND APPLY NOTES TO RELATED BUILDING COMPONENTS. REFER TO COMPLETE SET OF ISSUED CONTRACT DOCUMENTS FOR OTHER APPLICABLE NOTES, ABBREVIATIONS, AND SYMBOLS.
4. **GRAPHIC REPRESENTATION:** ITEMS NOT NOTED ON DRAWINGS ARE TO BE CONSIDERED THE SAME AS NOTED ITEMS WHICH ARE GRAPHICALLY REPRESENTED IN THE SAME MANNER, UNLESS OTHERWISE NOTED.
5. **DISSIMILAR MATERIALS:** ISOLATE DISSIMILAR METALS TO PREVENT GALVANIC ACTION. PROTECT ALUMINUM FROM CORROSION WHEN IN CONTACT WITH CONCRETE.
6. **ADJACENT WORK:** WHERE MATERIALS ARE APPLIED TO, OR ARE IN DIRECT CONTACT WITH WORK INSTALLED BY ANOTHER SUBCONTRACTOR, COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE SUBSTRATES AS SUITABLE FOR THE APPLICATION INTENDED.
7. **OTHER DISCIPLINES:** SEE STRUCTURAL DRAWINGS FOR NOTES REFERRING TO LIVE AND DEAD LOADS, STRUCTURAL WORK, AND FOUNDATIONS. SEE MECHANICAL DRAWINGS FOR HVAC AND PLUMBING WORK. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL WORK. SEE PROCESS DRAWINGS FOR PROCESS WORK.



1 EGRESS PLAN FOR BASEMENT EL 87.12'
BA1 SCALE: 1/16"=1'-0"



2 EGRESS PLAN FOR MEZZANINE EL 96.12'
BA1 SCALE: 1/16"=1'-0"



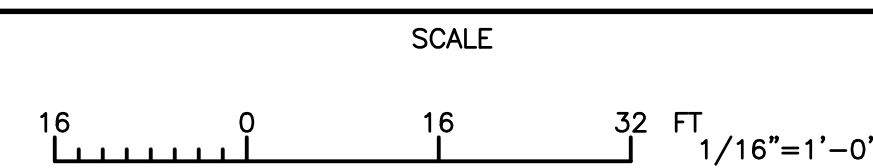
3 EGRESS PLAN FOR MAIN FLOOR EL 105.68'
BA1 SCALE: 1/16"=1'-0"

EC Environ-Civil Engineering, Ltd.
Engineers • Scientists • Construction Managers
501 East Franklin Street, Suite 527 Richmond, VA 23219

GREELEY AND HANSEN
9020 STONY POINT PARKWAY, SUITE 275
RICHMOND, VIRGINIA 23235

DESIGNED SS	APPROVED
DRAWN AKB/SS	
CHECKED JL	

NO.	DATE	APPD	REVISION



CITY OF RICHMOND, VIRGINIA
DEPARTMENT OF PUBLIC UTILITIES
BYRD PARK MAIN PUMPING STATION
IMPROVEMENTS PROJECT



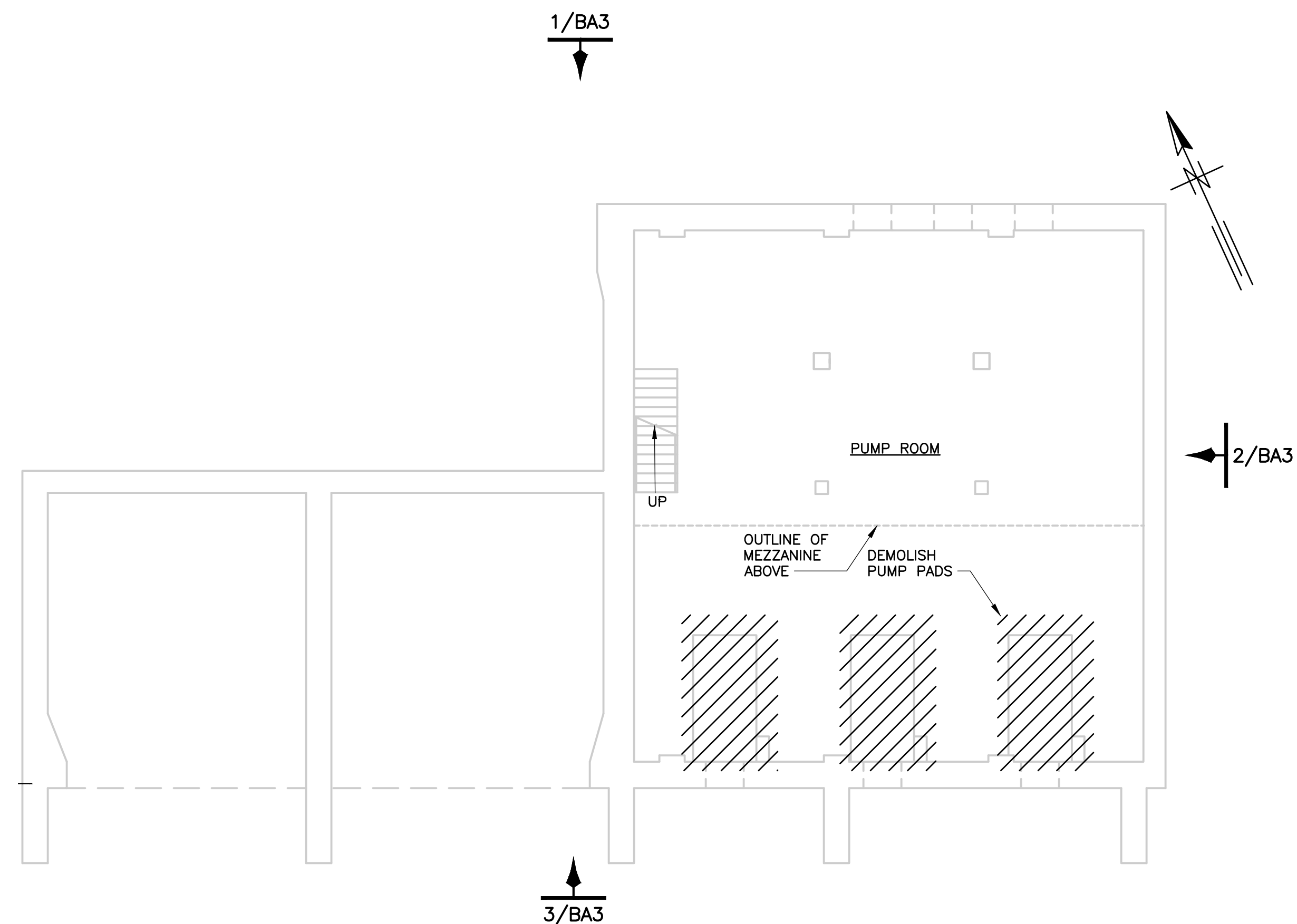
MAIN PUMPING STATION
ARCHITECTURAL
CODE COMPLIANCE LIFE SAFETY PLANS

PRELIMINARY 90%
SEPTEMBER 2023

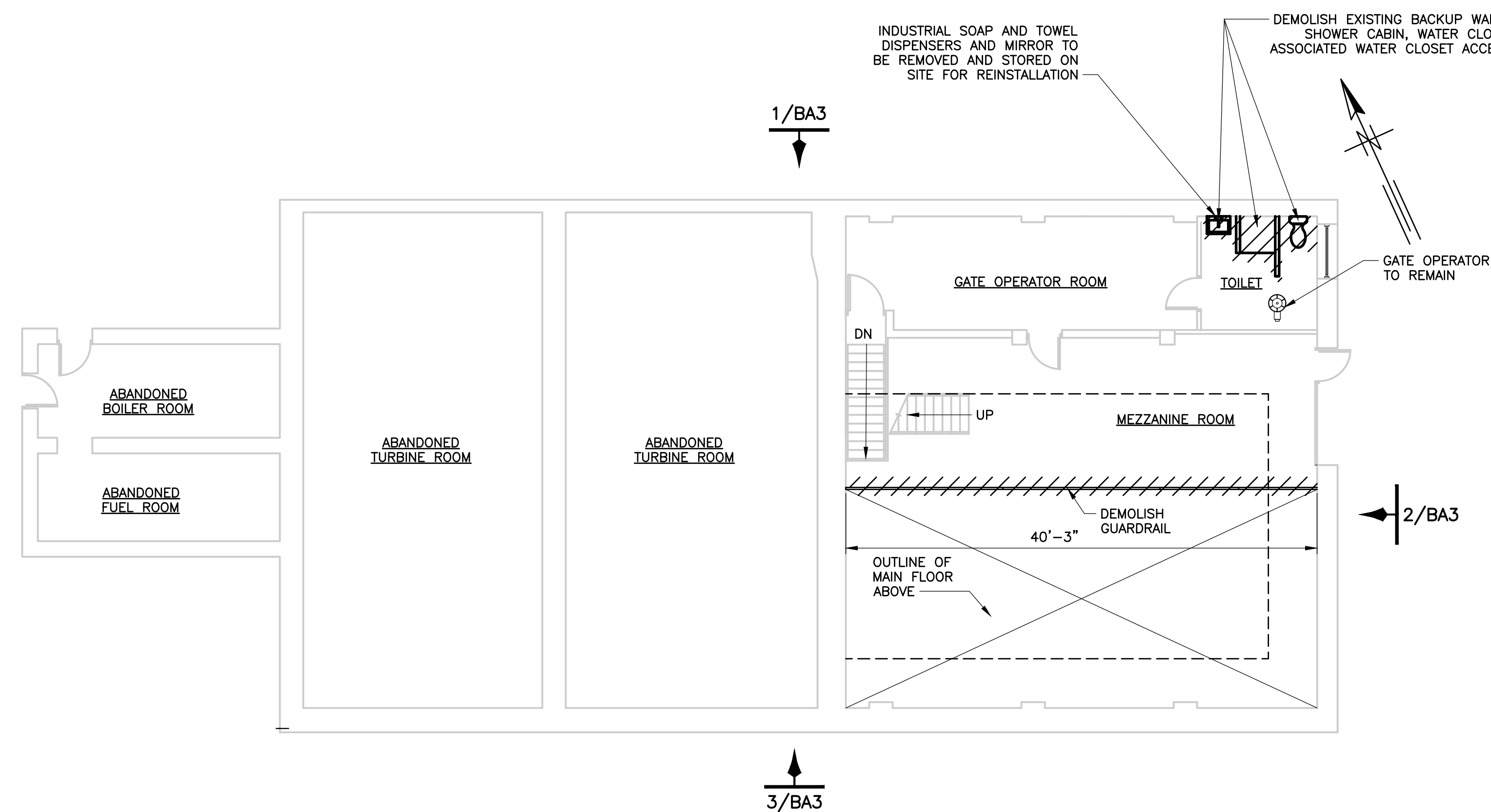
PROJECT NO.:	02189.XX
DWG:	BA1
SHEET:	16 OF 79
DATE:	SEPTEMBER 2023
REV:	0

2024/05/01 3:26 PM

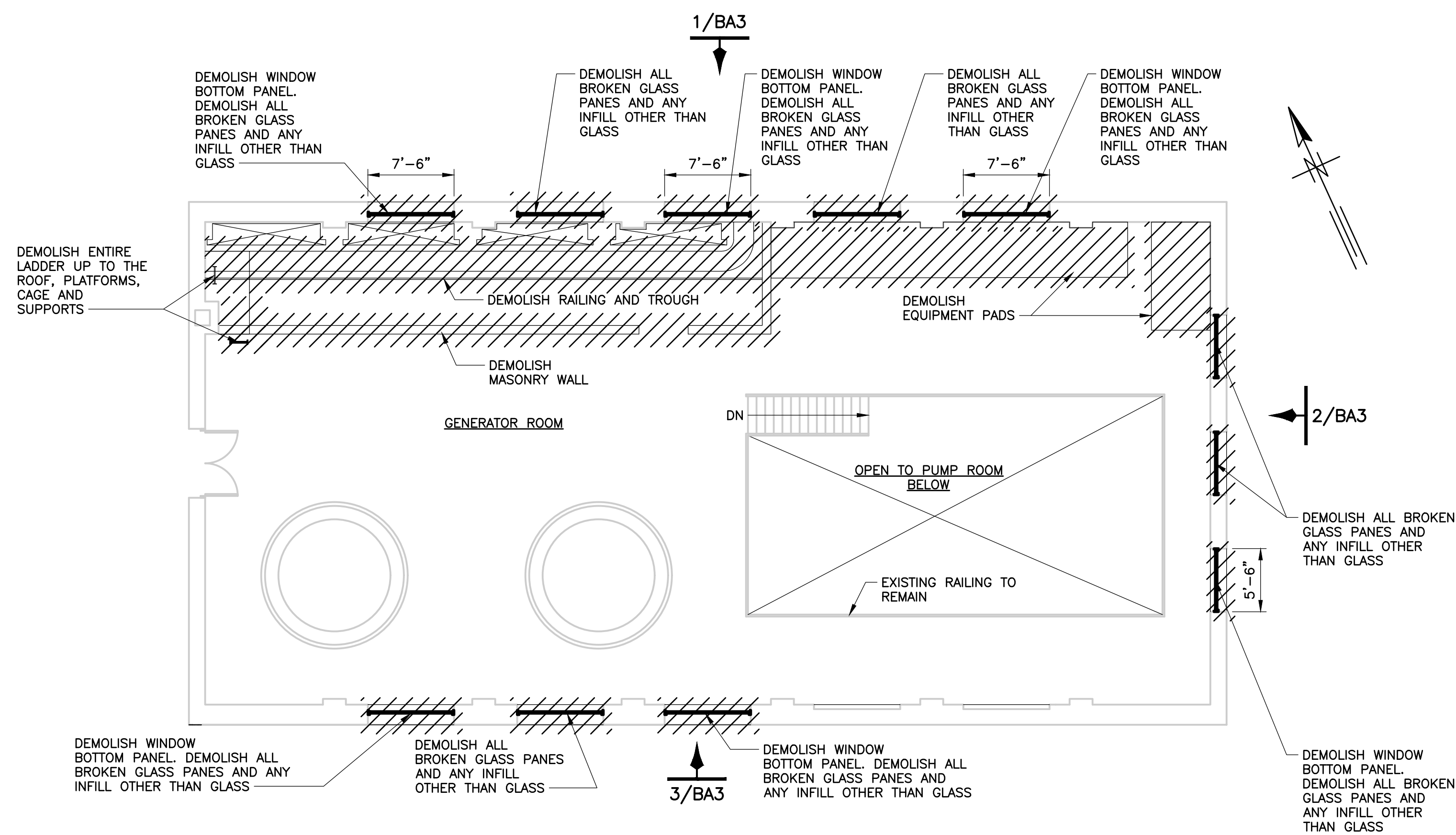
T:\04-GH-RCH\PROJECTS\0218-RICHMOND\WATER_ENG_SERVICES_02189\BYRD_PARK_MAIN_PS_DESIGN\21_CADD\2105_WORKING_DWGS\RCB20-BA02_SERGIO_SIERRA



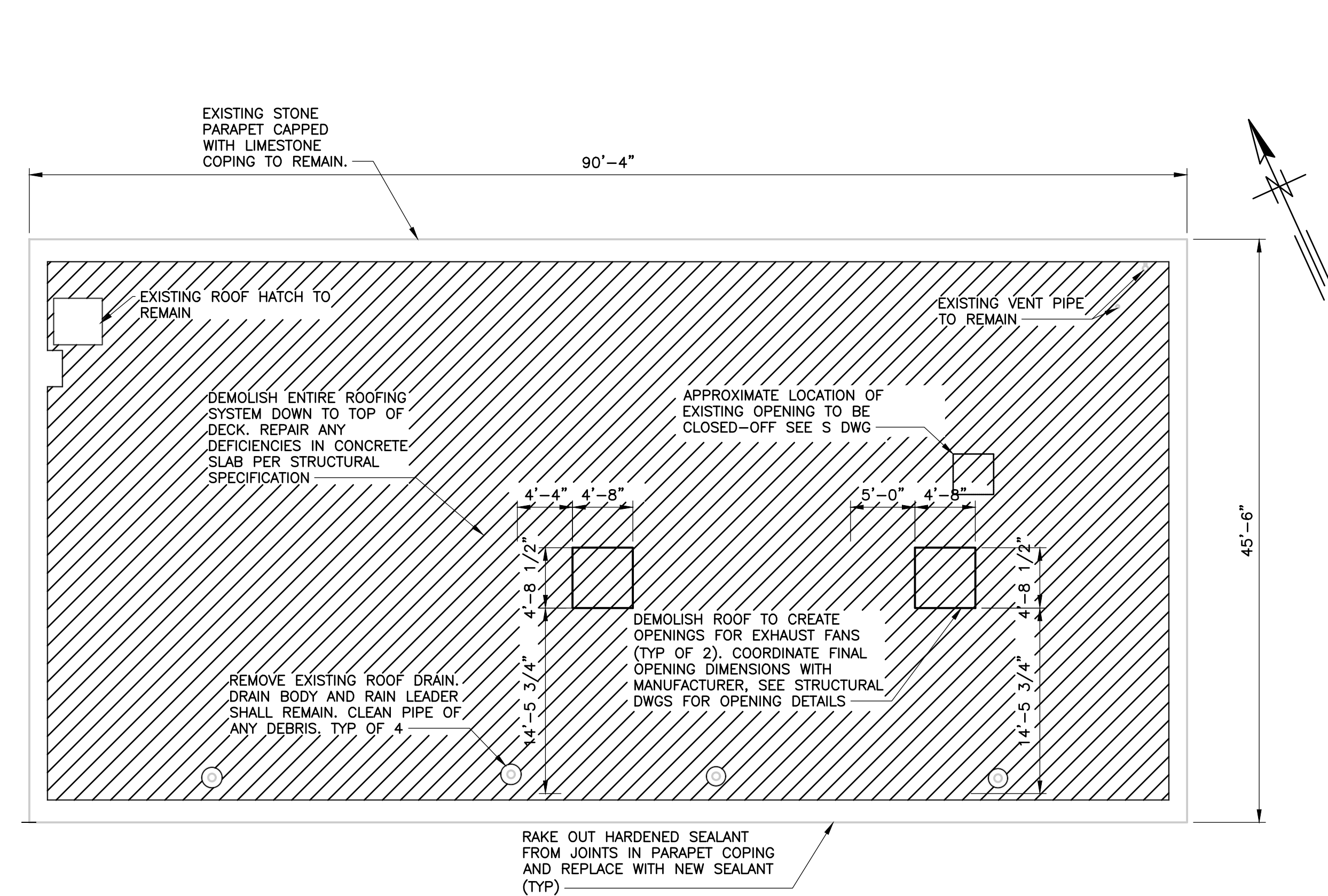
1 BASEMENT FLOOR PLAN EL 87.12'
BA2 SCALE: 1/8"=1'-0"



2 MEZZANINE DEMOLITION PLAN AT EL 96.12'
BA2 SCALE: 1/8"=1'-0"



3 MAIN FLOOR DEMOLITION PLAN AT EL 105.68'
BA2 SCALE: 1/8"=1'-0"



4 ROOF DEMOLITION PLAN EL 140.12'
BA2 SCALE: 1/8"=1'-0"

NOTES:
1. DIMENSIONS ARE GIVEN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD.

PRELIMINARY 90%
SEPTEMBER 2023

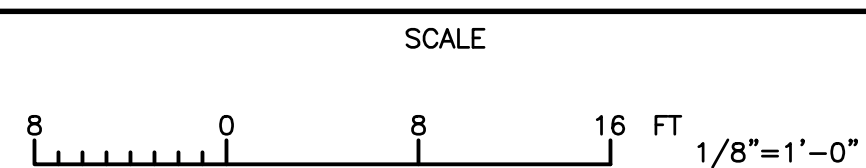
EC Environ-Civil Engineering, Ltd.
Engineers • Scientists • Construction Managers
501 East Franklin Street, Suite 527 Richmond, VA 23219

Greeley and Hansen
9020 STONY POINT PARKWAY, SUITE 275
RICHMOND, VIRGINIA 23235

DESIGNED SS
DRAWN AKB/SS
CHECKED JL

APPROVED

NO.	DATE	APPD	REVISION

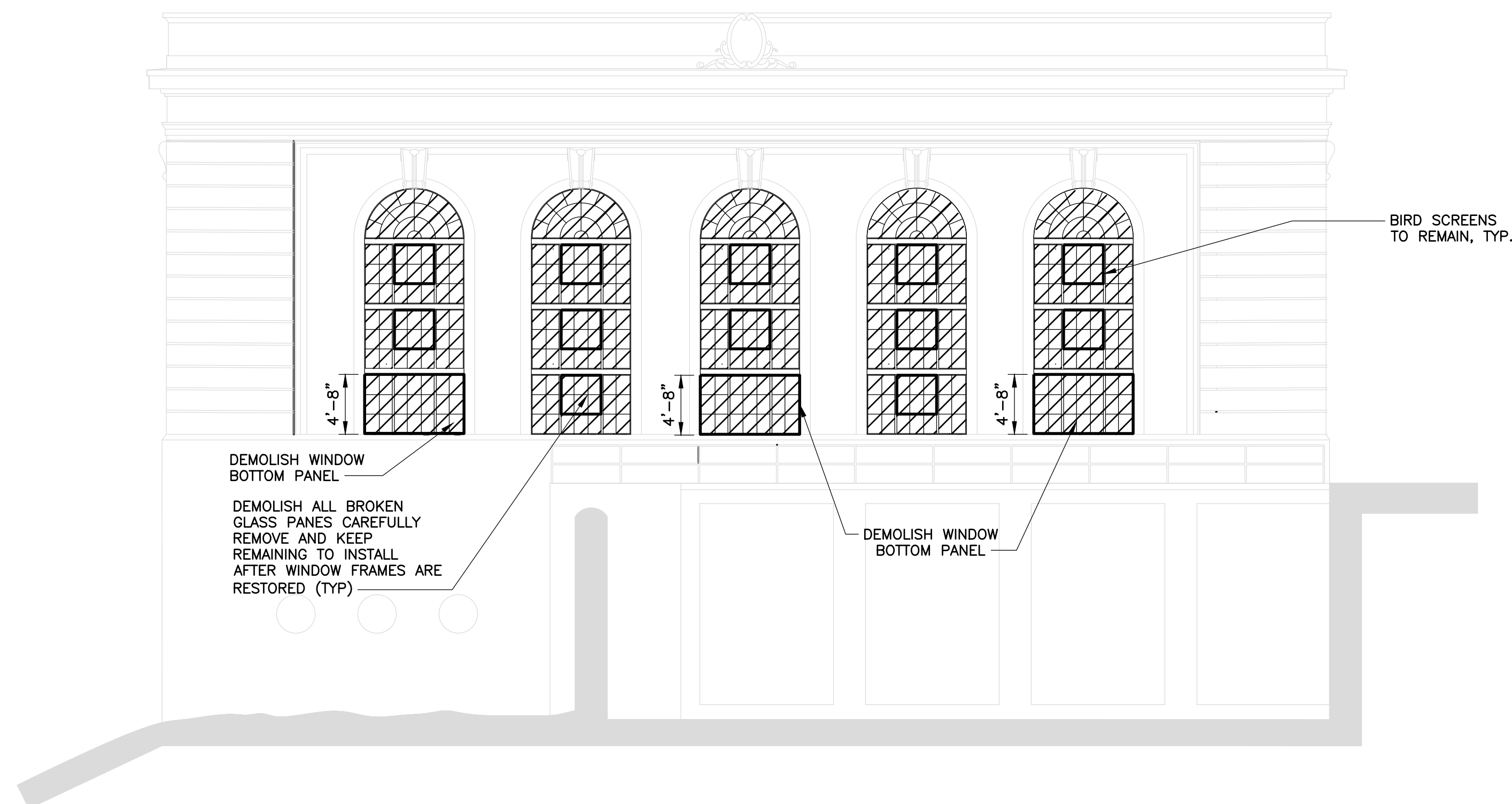


CITY OF RICHMOND, VIRGINIA
DEPARTMENT OF PUBLIC UTILITIES
BYRD PARK MAIN PUMPING STATION
IMPROVEMENTS PROJECT

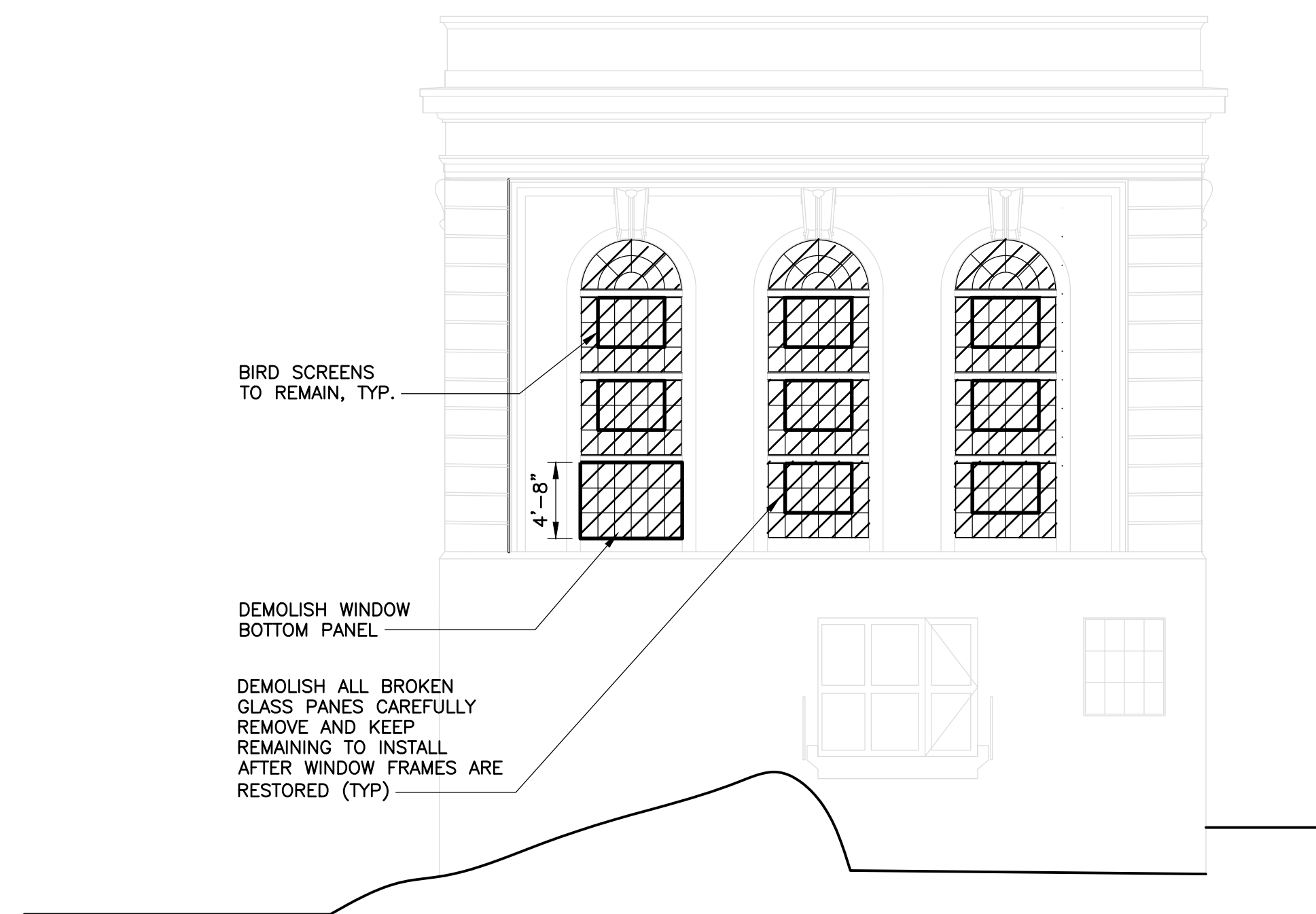


MAIN PUMPING STATION
ARCHITECTURAL
FLOOR PLANS - DEMOLITION

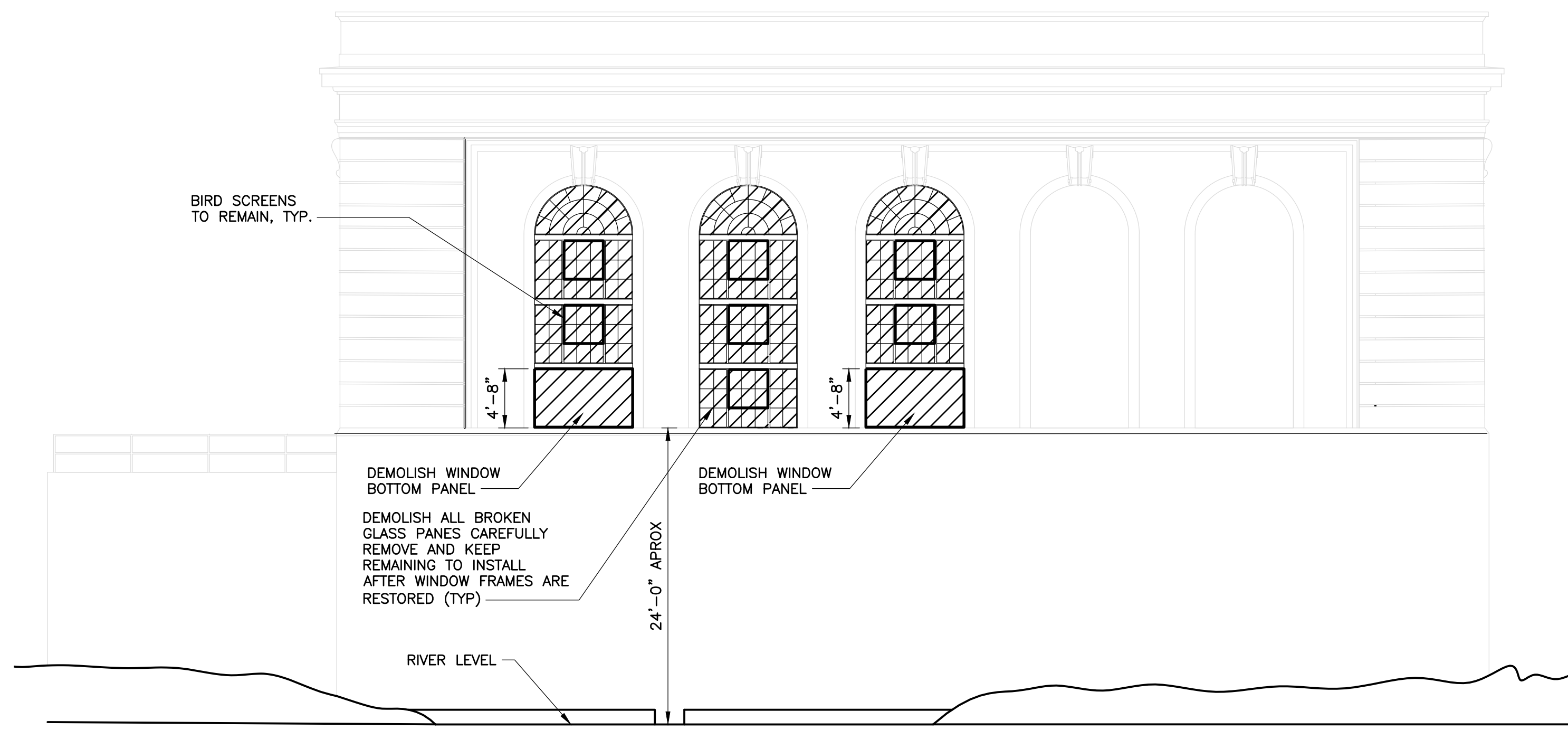
PROJECT NO.: 02189.XX
DWG: **BA2**
SHEET: 17 OF 79
DATE: SEPTEMBER 2023 REV: 0



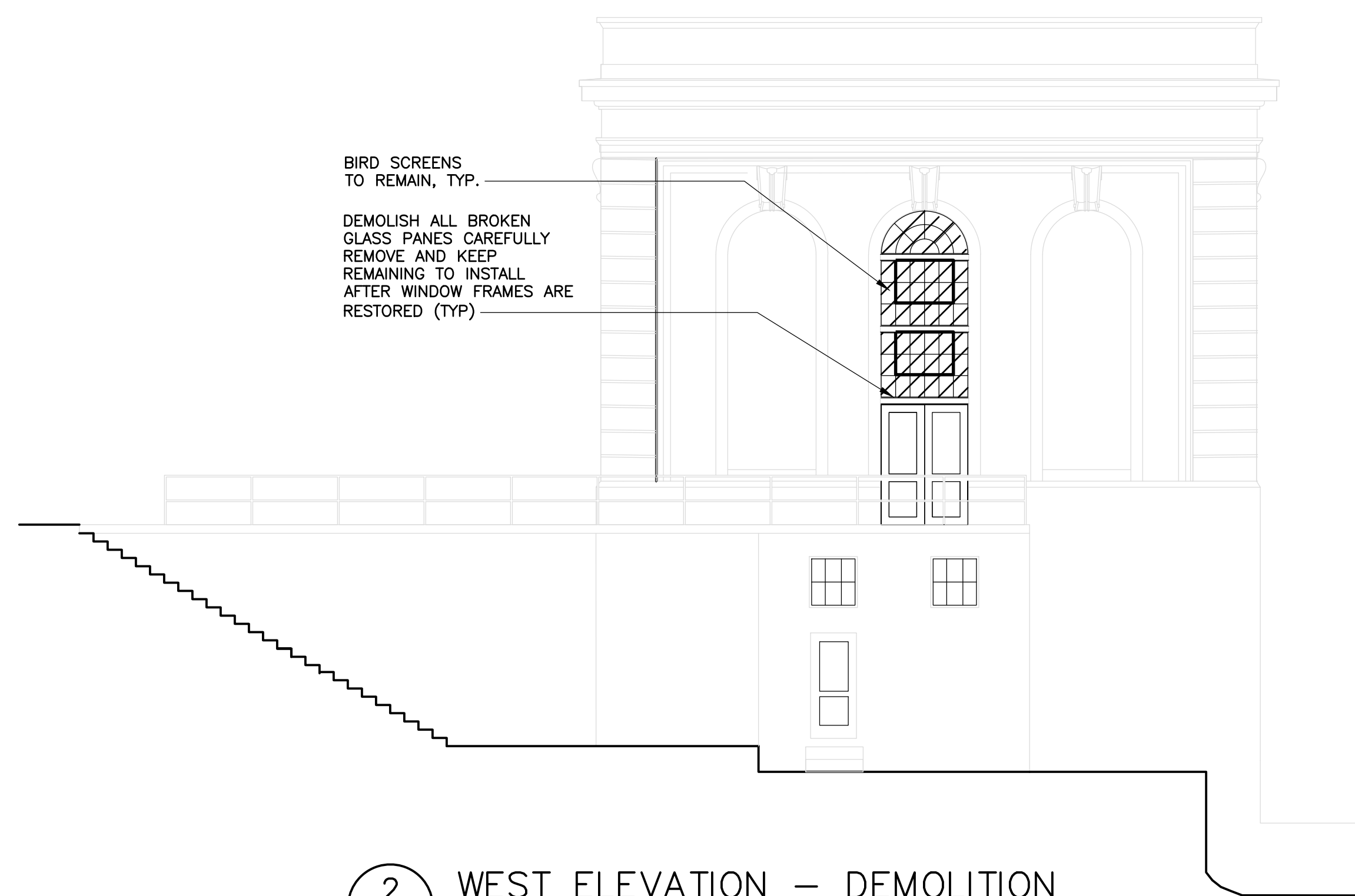
1 NORTH ELEVATION – DEMOLITION
BA3 SCALE: 1/8"=1'-0"



2 EAST ELEVATION – DEMOLITION
BA3 SCALE: 1/8"=1'-0"



3 SOUTH ELEVATION – DEMOLITION
BA3 SCALE: 1/8"=1'-0"

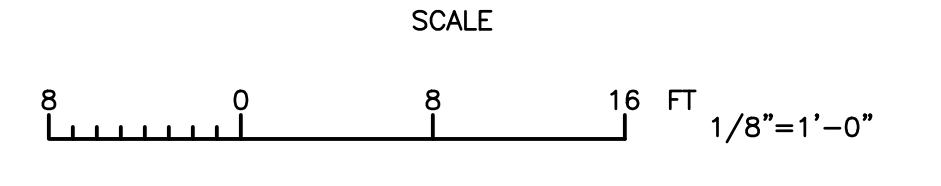


2 WEST ELEVATION – DEMOLITION
BA3 SCALE: 1/8"=1'-0"

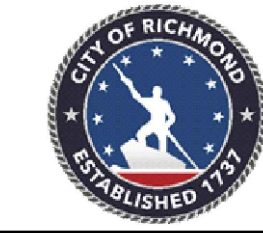
EC Environ-Civil Engineering, Ltd.
Engineers • Scientists • Construction Managers
501 East Franklin Street, Suite 527 Richmond, VA 23219

GREELEY AND HANSEN
9020 STONY POINT PARKWAY, SUITE 275
RICHMOND, VIRGINIA 23235

DESIGNED SS	APPROVED			
DRAWN AKB/SS				
CHECKED JL				
NO.	DATE	APPD	REVISION	



CITY OF RICHMOND, VIRGINIA
DEPARTMENT OF PUBLIC UTILITIES
BYRD PARK MAIN PUMPING STATION
IMPROVEMENTS PROJECT



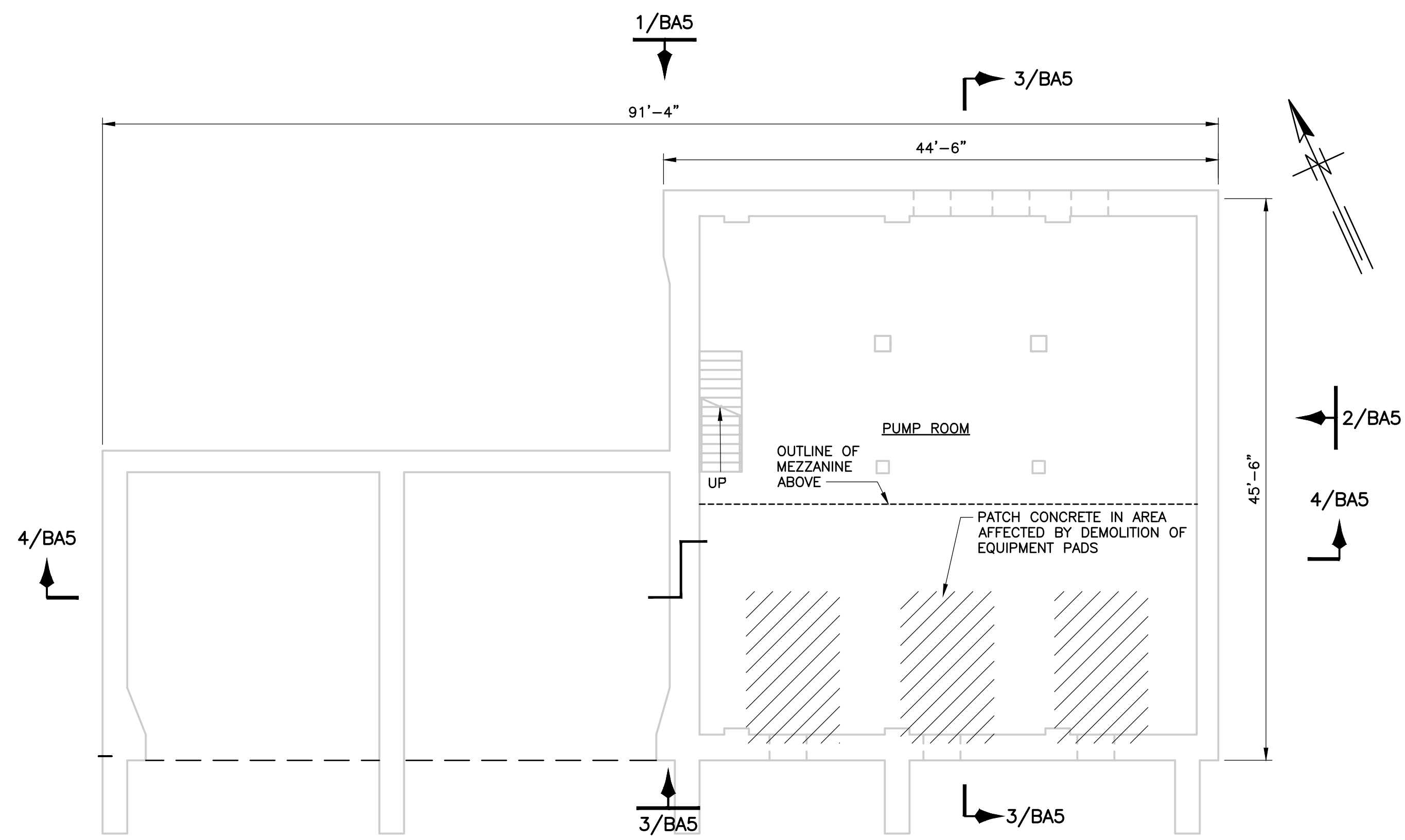
MAIN PUMPING STATION
ARCHITECTURAL
ELEVATIONS – DEMOLITION

PRELIMINARY 90%
SEPTEMBER 2023

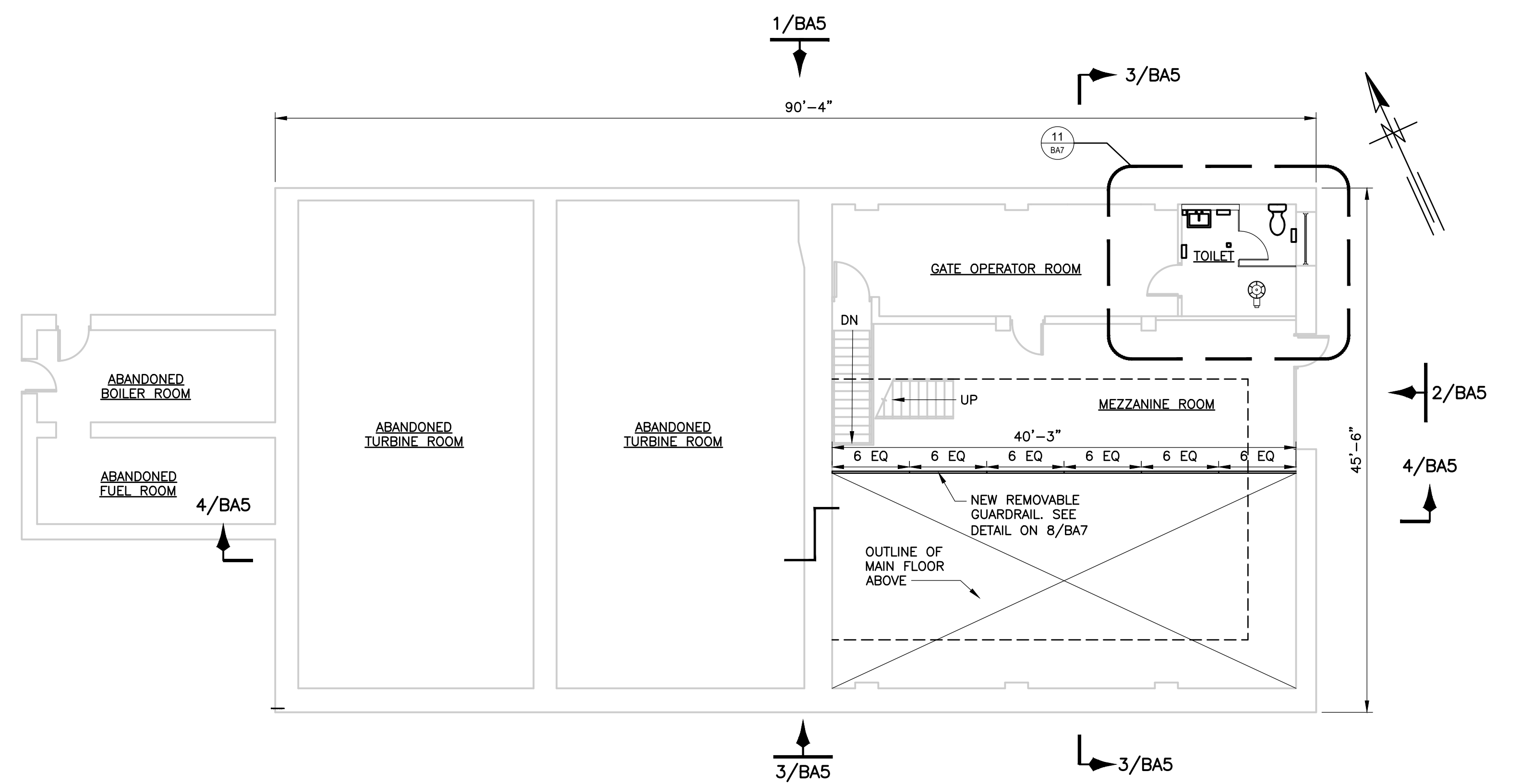
PROJECT NO.:	02189.XX
DWG:	BA3
SHEET:	18 OF 79
DATE:	SEPTEMBER 2023
REV:	0

2024/05/01 3:27 PM

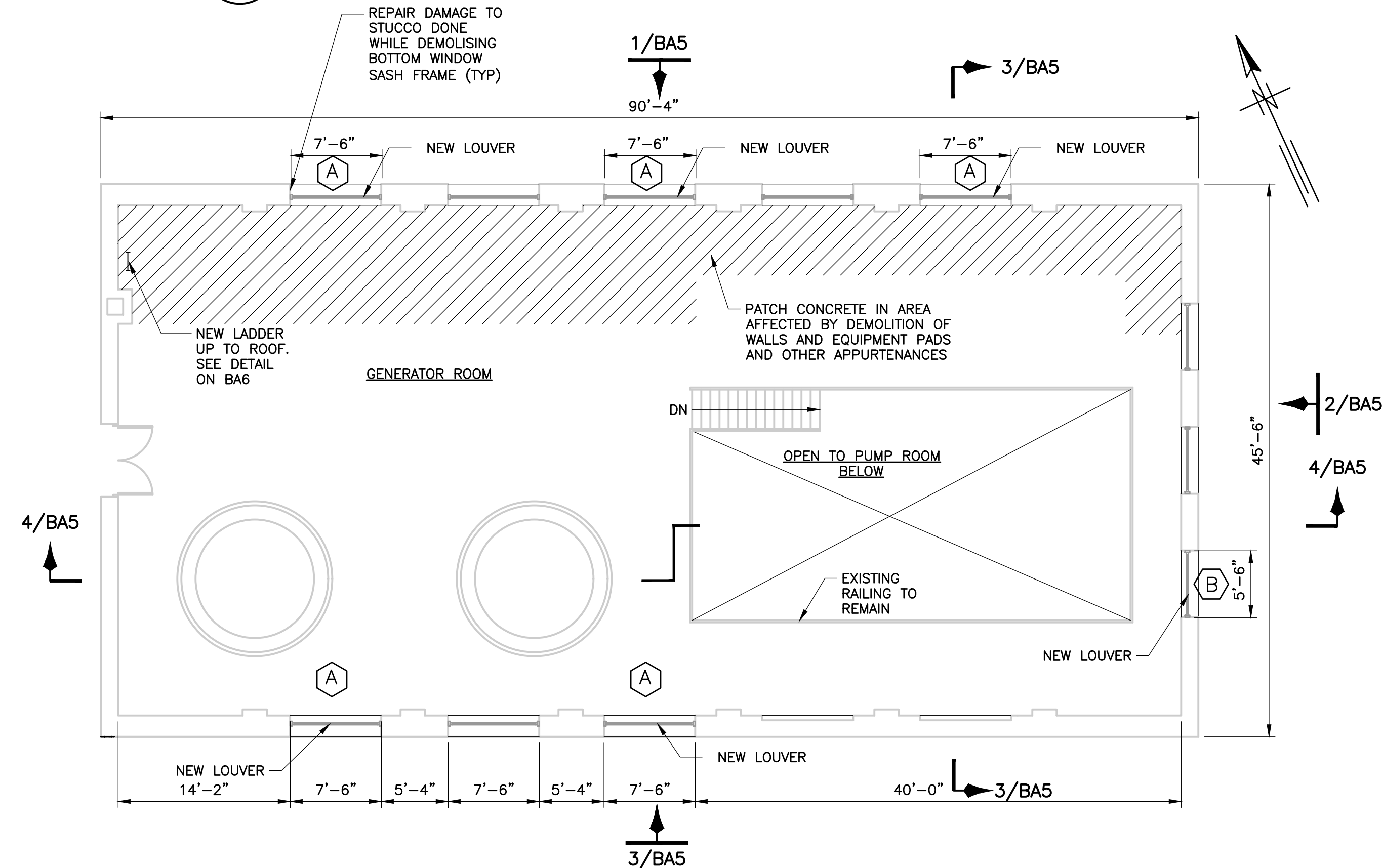
T:\04-GH-RCH-L\PROJECTS\0218-RICHMOND\WATER_ENG_SERVICES\02189\BYRD PARK MAIN PS DESIGN\21.05 WORKING DWGS\RC920-BA04-SERGIO SIERRA



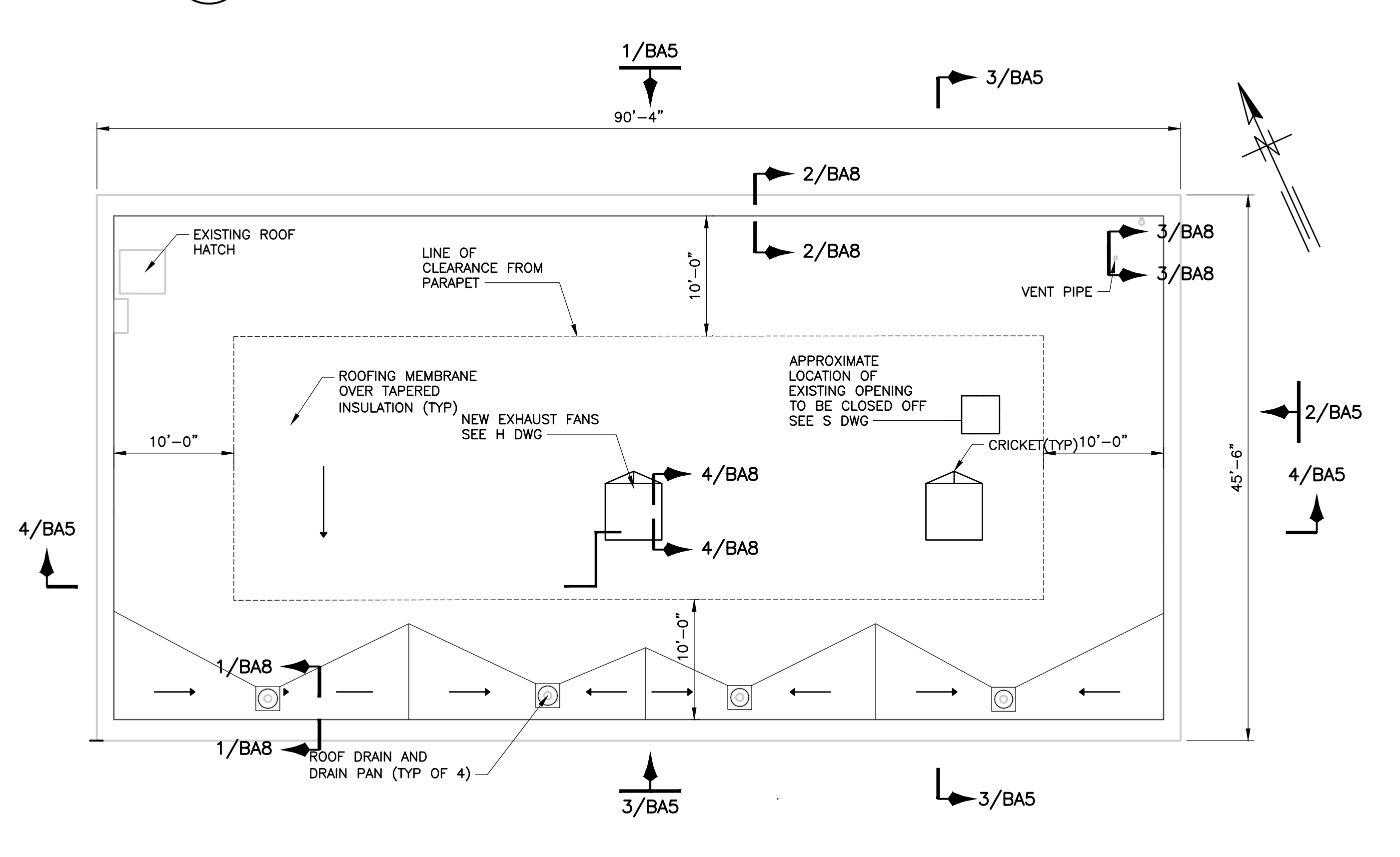
1 BASEMENT FLOOR PLAN EL 87.12'
BA4 SCALE: 1/8"=1'-0"



2 MEZZANINE FLOOR PLAN EL 96.12'
BA4 SCALE: 1/8"=1'-0"



3 MAIN FLOOR PLAN EL 105.68'
BA4 SCALE: 1/8"=1'-0"



4 ROOF PLAN EL 140.12'
BA4 SCALE: 1/8"=1'-0"

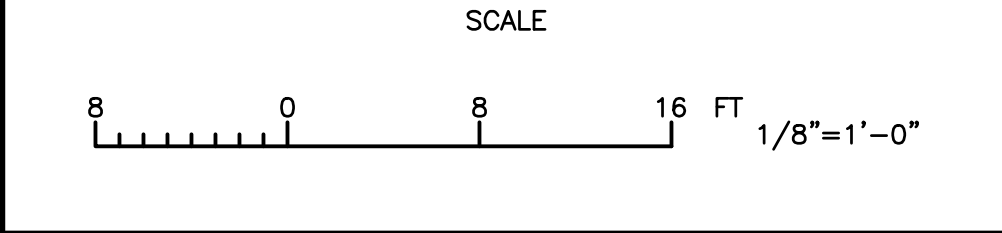
NOTES:
1. CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD.

EC Environ-Civil Engineering, Ltd.
Engineers • Scientists • Construction Managers
501 East Franklin Street, Suite 527 Richmond, VA 23219

GREELEY AND HANSEN
9020 STONY POINT PARKWAY, SUITE 275
RICHMOND, VIRGINIA 23235

DESIGNED SS	APPROVED
DRAWN AKB/SS	
CHECKED JL	

NO.	DATE	APPD	REVISION



CITY OF RICHMOND, VIRGINIA
DEPARTMENT OF PUBLIC UTILITIES
BYRD PARK MAIN PUMPING STATION
IMPROVEMENTS PROJECT



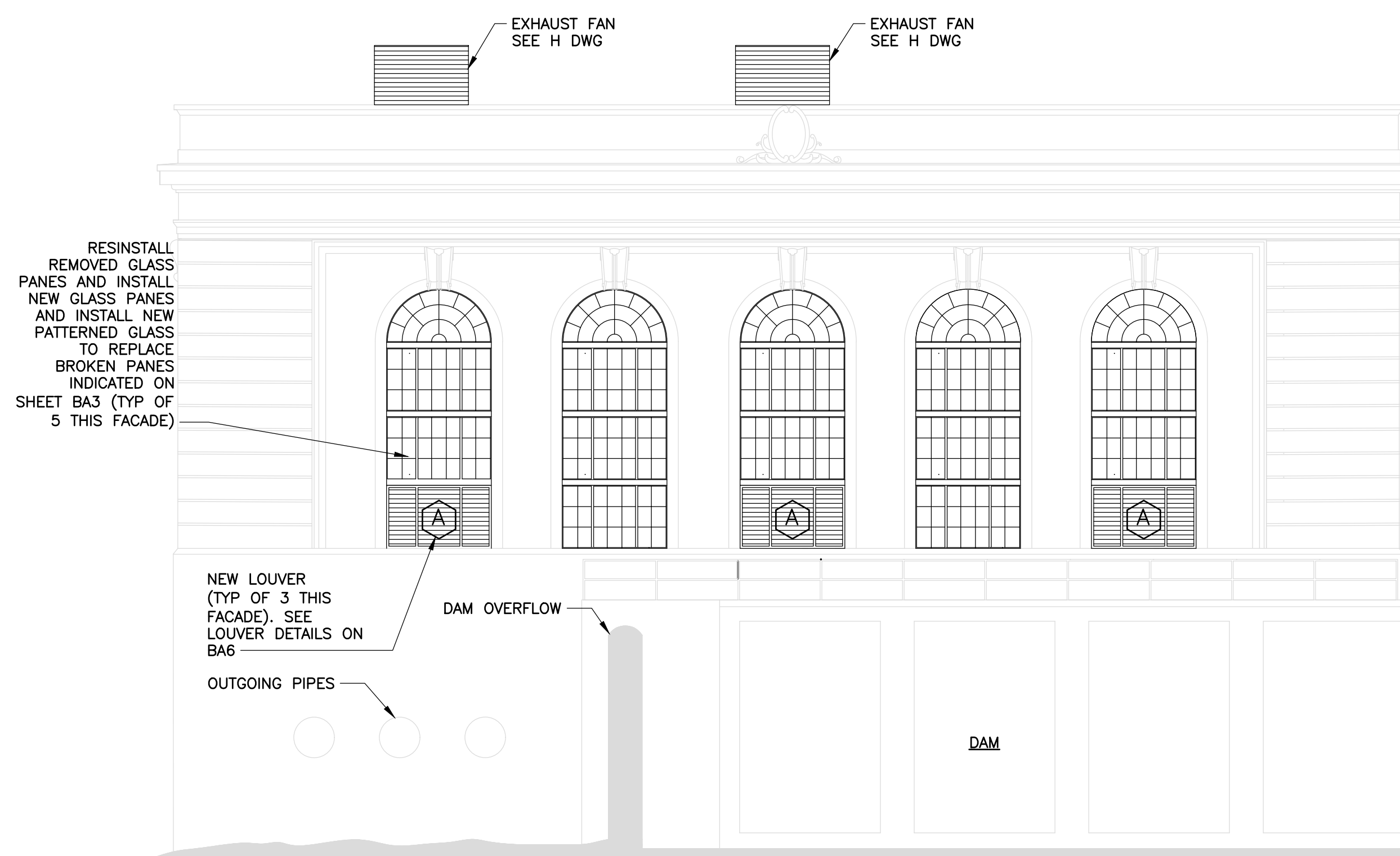
MAIN PUMPING STATION
ARCHITECTURAL
FLOOR PLANS

PROJECT NO.: 02189.XX
DWG: BA4
SHEET: 19 OF 79
DATE: SEPTEMBER 2023 REV: 0

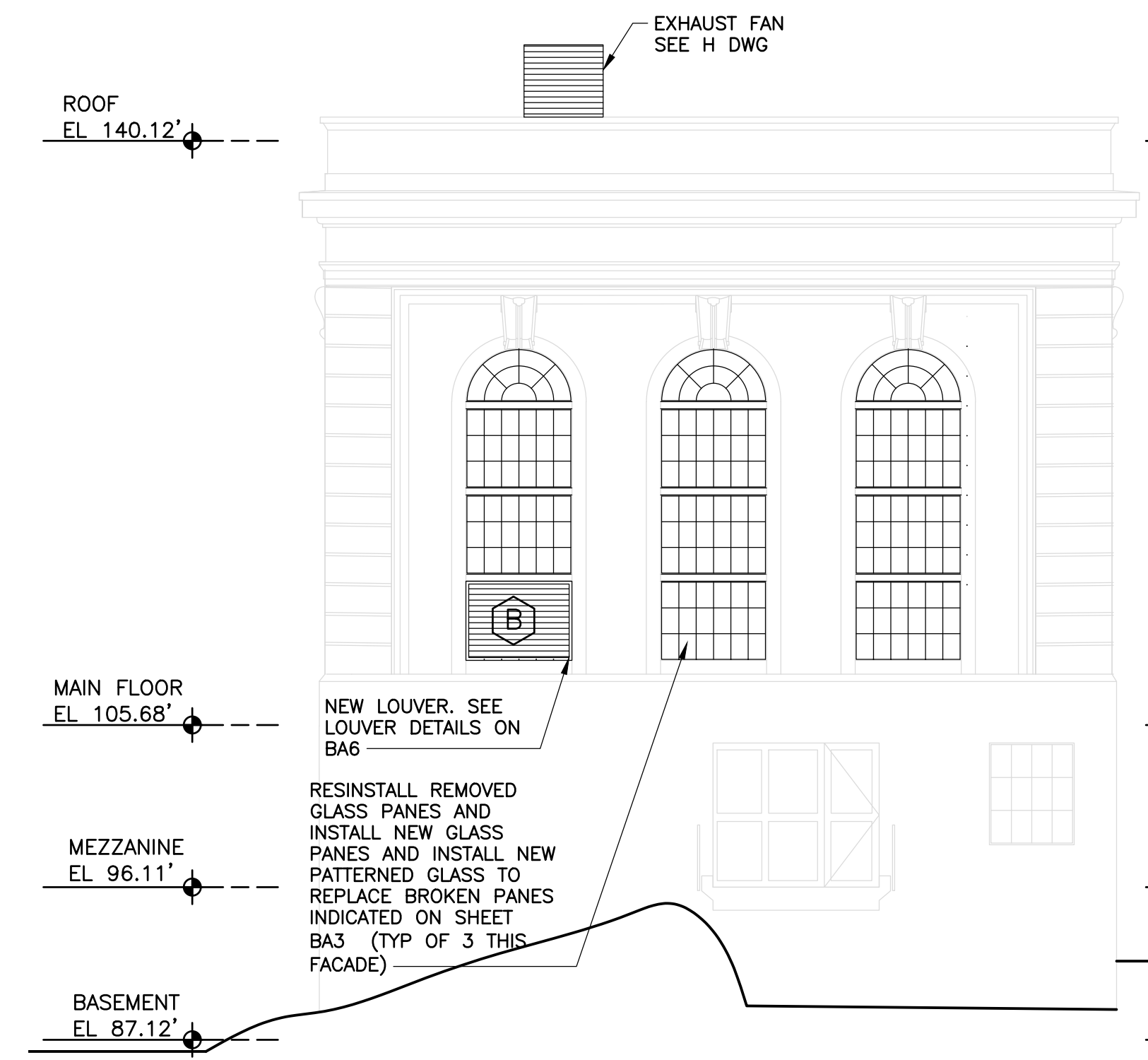
PRELIMINARY 90%
SEPTEMBER 2023

2024/05/01 3:28 PM

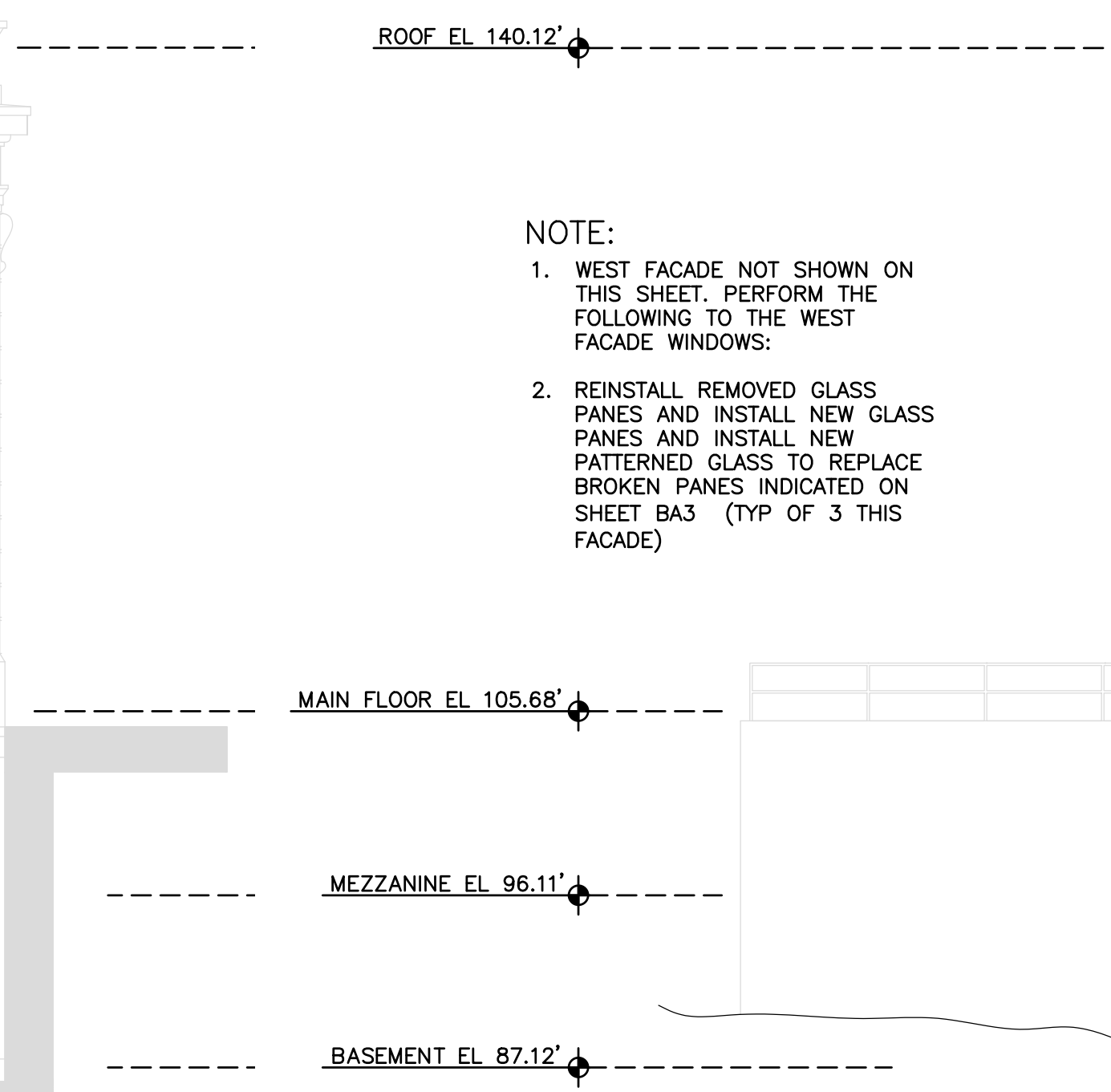
T:\0\GH-RCH\PROJECTS\0218-RICHMOND\WATER_ENG_SERVICES_02189\BYRD PARK MAIN_PS_DESIGN\21_CADD\2105_WORKING_DWG\RC920-BA05_SERGIO_SIERRA



1 NORTH ELEVATION
BA5 SCALE: 1/8"=1'-0"

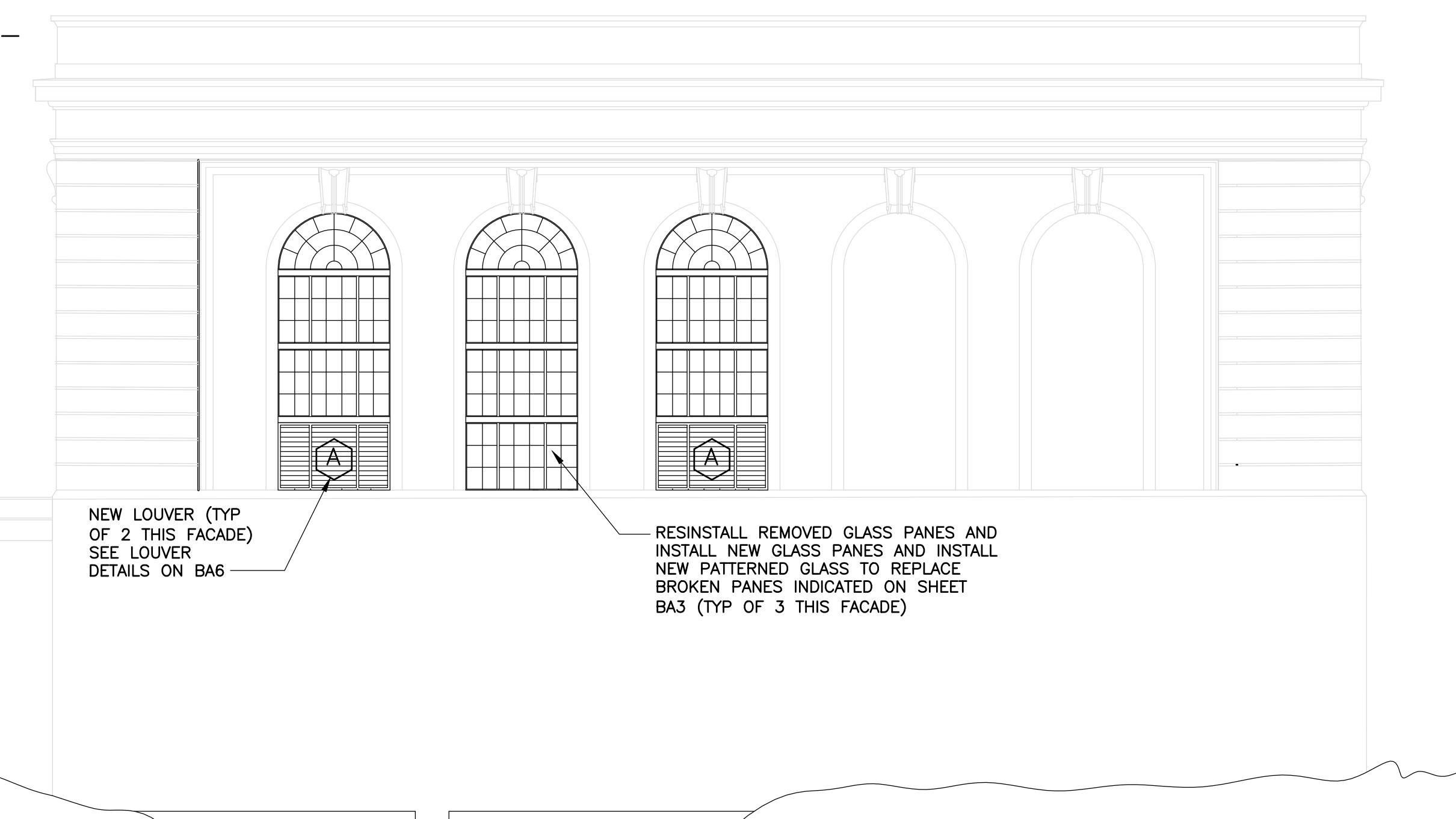


2 EAST ELEVATION
BA5 SCALE: 1/8"=1'-0"

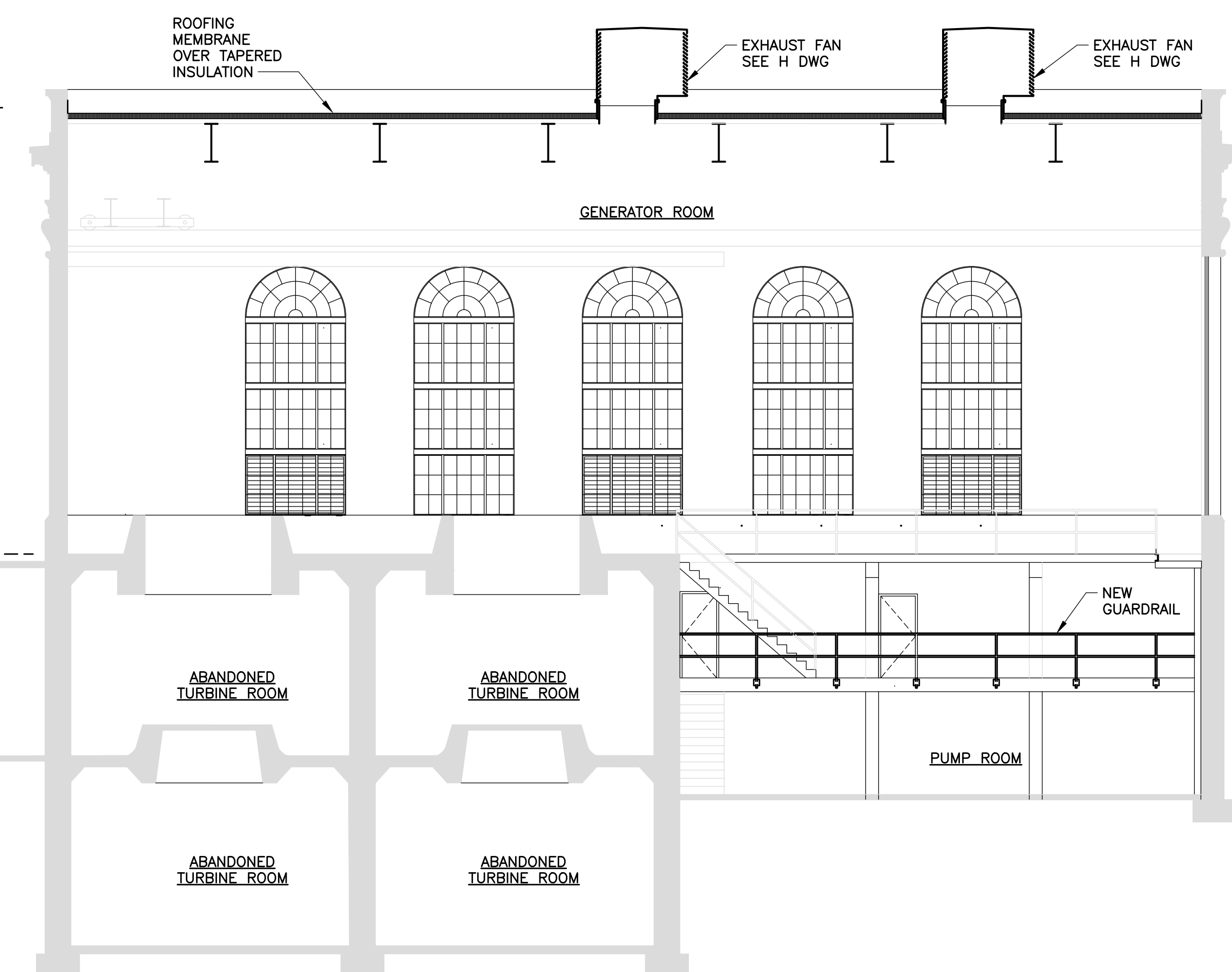


3 EAST WEST SECTION
BA5 SCALE: 1/8"=1'-0"

NOTE:
1. WEST FACADE NOT SHOWN ON THIS SHEET. PERFORM THE FOLLOWING TO THE WEST FACADE WINDOWS:
2. REINSTALL REMOVED GLASS PANES AND INSTALL NEW GLASS PANES AND INSTALL NEW PATTERNED GLASS TO REPLACE BROKEN PANES INDICATED ON SHEET BA3 (TYP OF 3 THIS FACADE)



5 SOUTH ELEVATION
BA5 SCALE: 1/8"=1'-0"



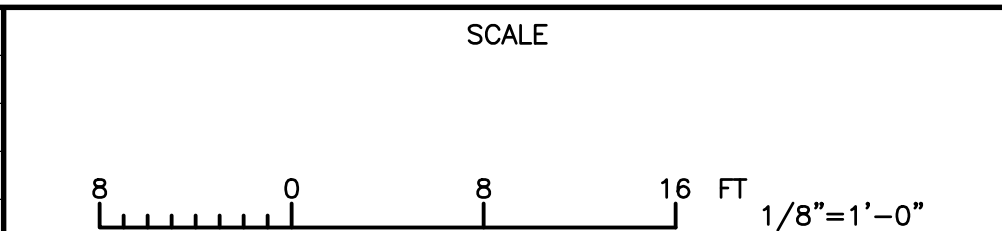
4 NORTH SOUTH SECTION
BA5 SCALE: 1/8"=1'-0"

EC Environ-Civil Engineering, Ltd.
Engineers • Scientists • Construction Managers
501 East Franklin Street, Suite 527 Richmond, VA 23219

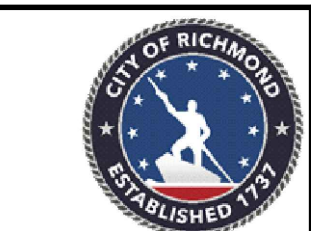
GREELEY AND HANSEN
9020 STONY POINT PARKWAY, SUITE 275
RICHMOND, VIRGINIA 23235

DESIGNED SS	APPROVED
DRAWN AKB/SS	
CHECKED JL	

NO.	DATE	APPD	REVISION



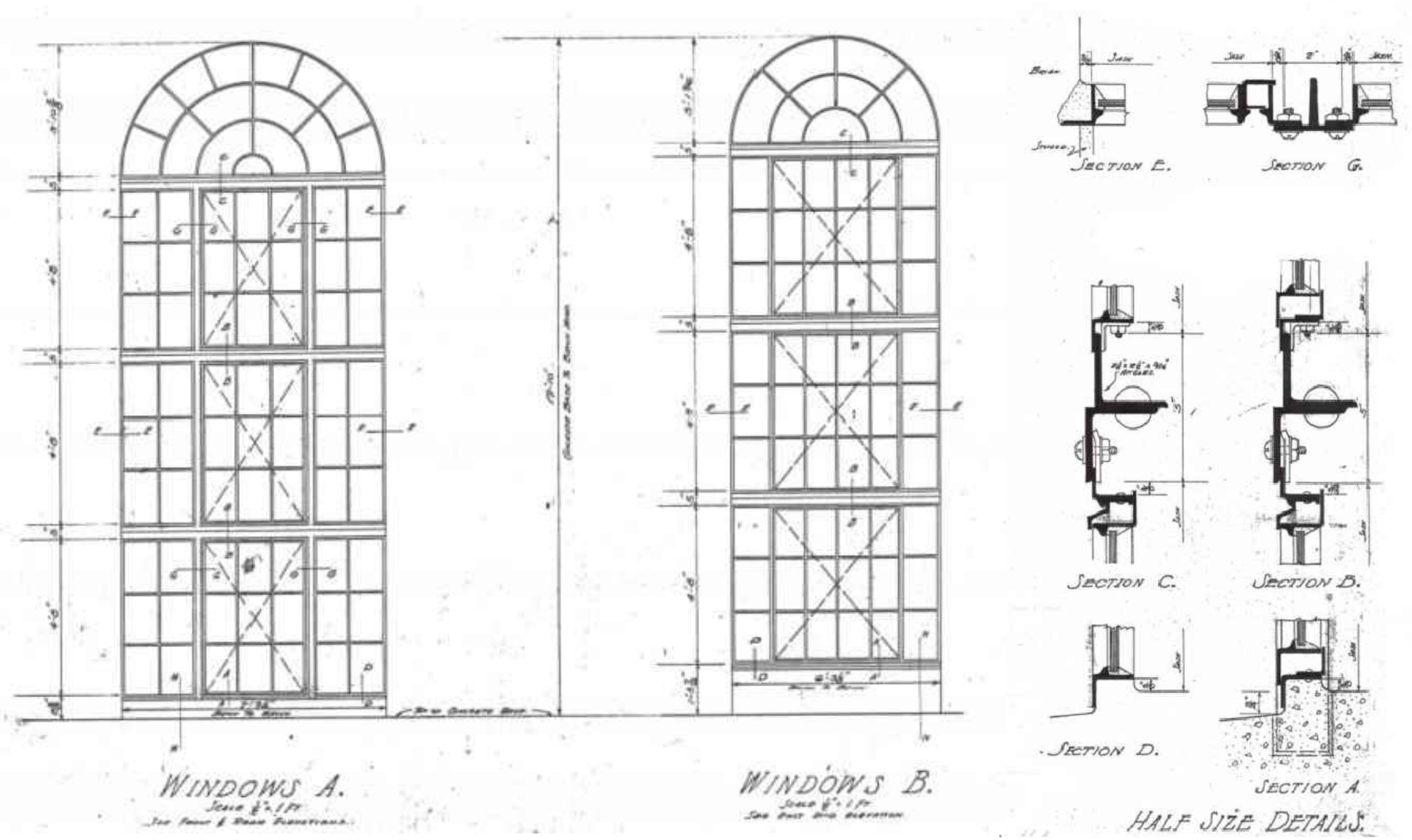
CITY OF RICHMOND, VIRGINIA
DEPARTMENT OF PUBLIC UTILITIES
BYRD PARK MAIN PUMPING STATION
IMPROVEMENTS PROJECT



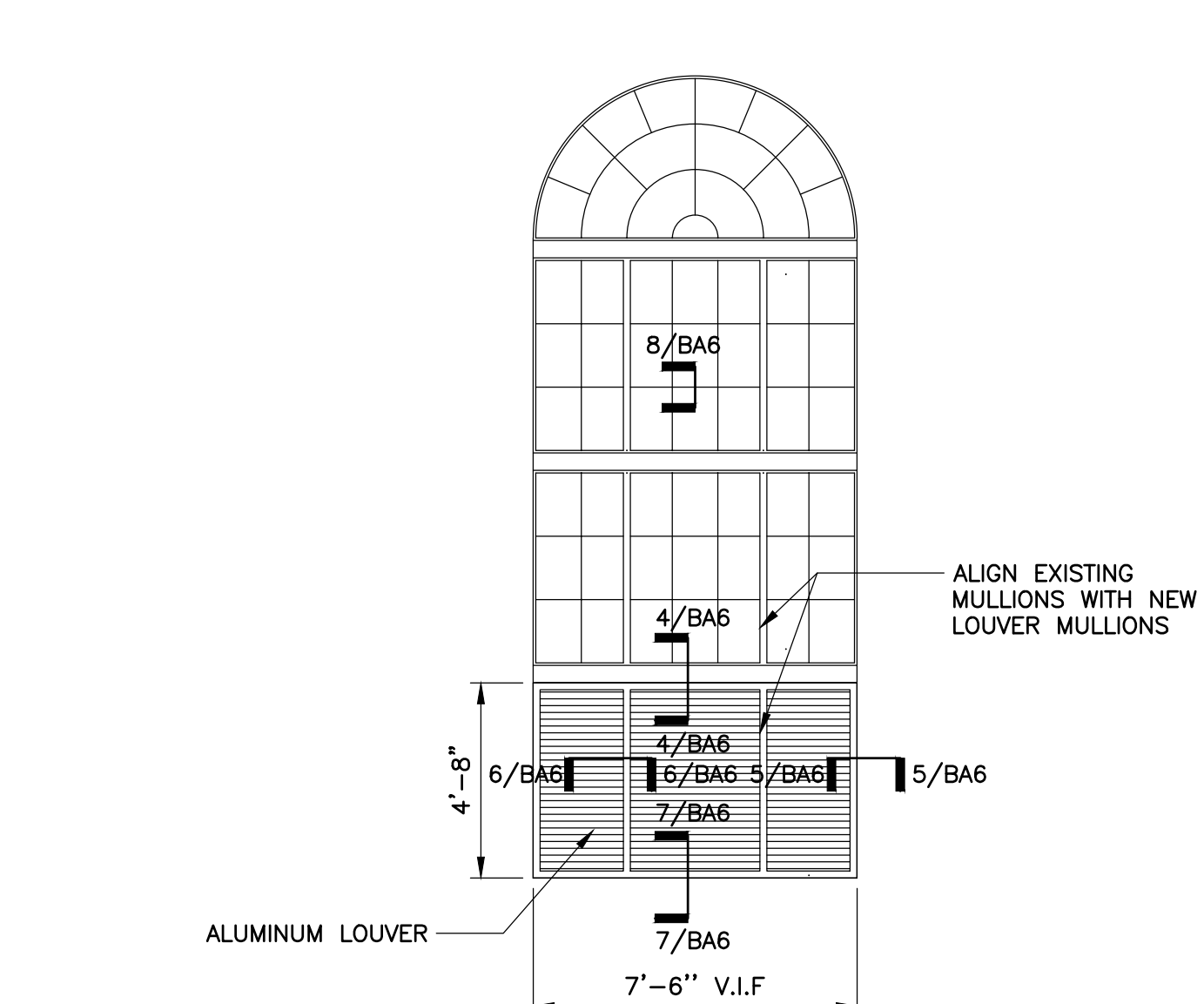
MAIN PUMPING STATION
ARCHITECTURAL
BUILDING SECTIONS AND ELEVATIONS

PRELIMINARY 90%
SEPTEMBER 2023

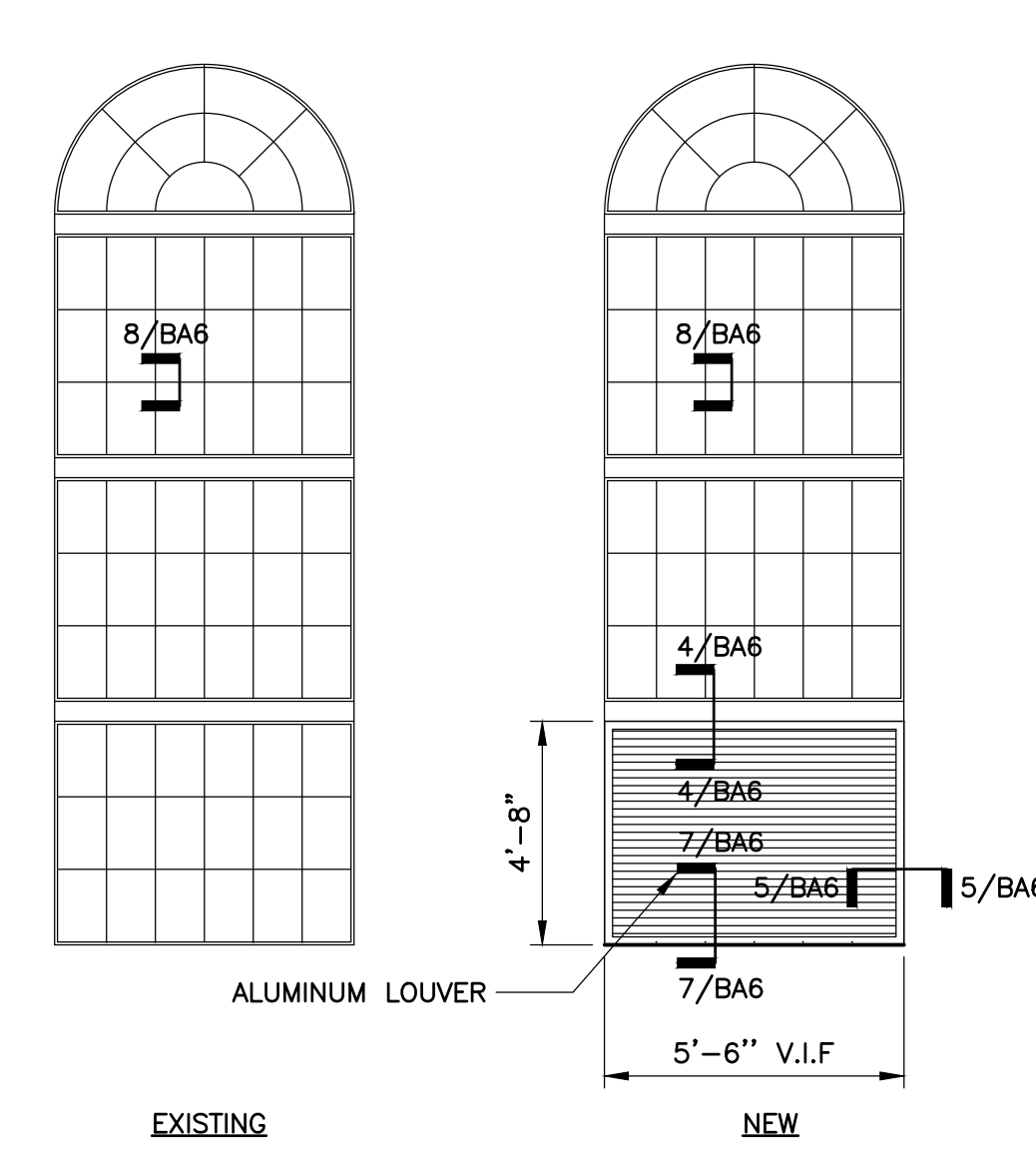
PROJECT NO.:	02189.XX
DWG:	BA5
SHEET:	20 OF 79
DATE:	SEPTEMBER 2023
REV:	0



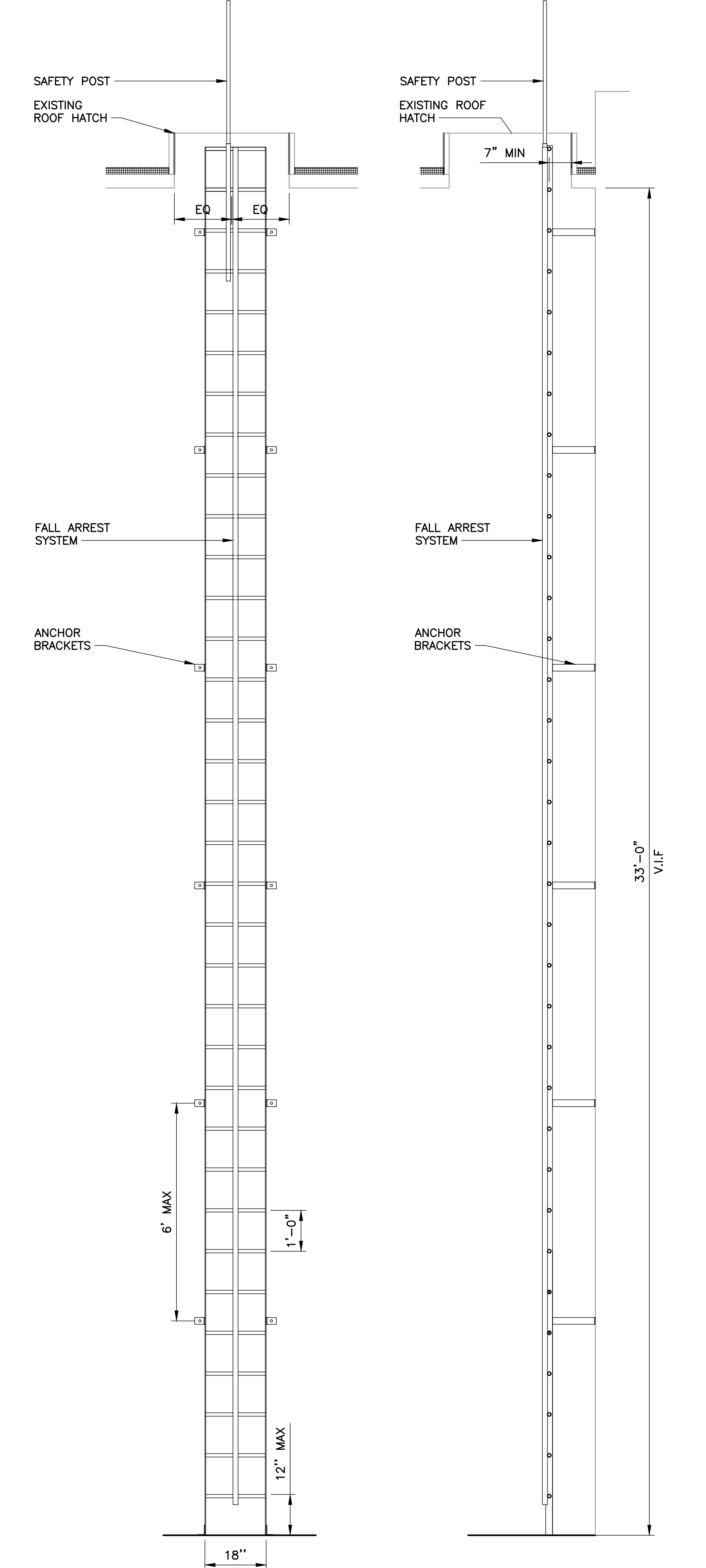
1 ORIGINAL WINDOW DETAILS (FOR REFERENCE ONLY)
BA6 SCALE: 1/4"=1'-0"



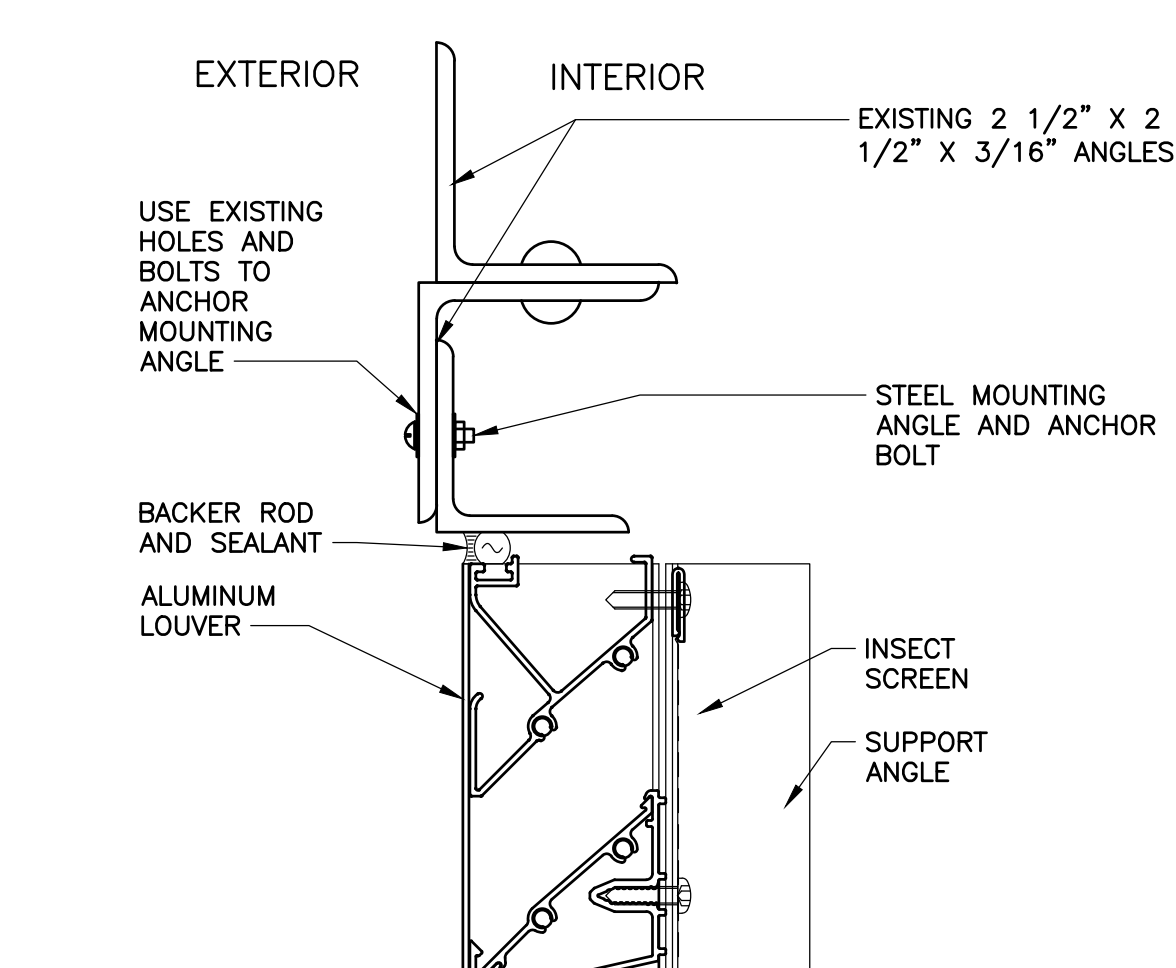
2 LOUVER A
BA6 SCALE: 1/4"=1'-0"



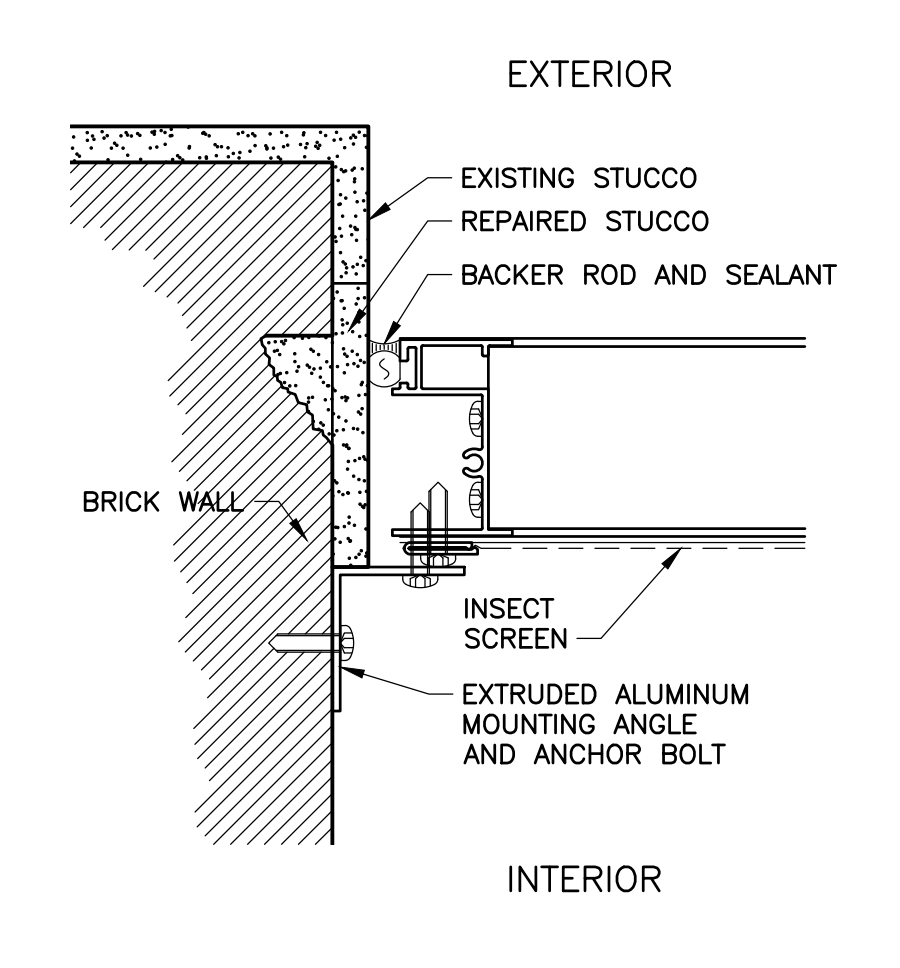
3 LOUVER B
BA6 SCALE: 1/4"=1'-0"



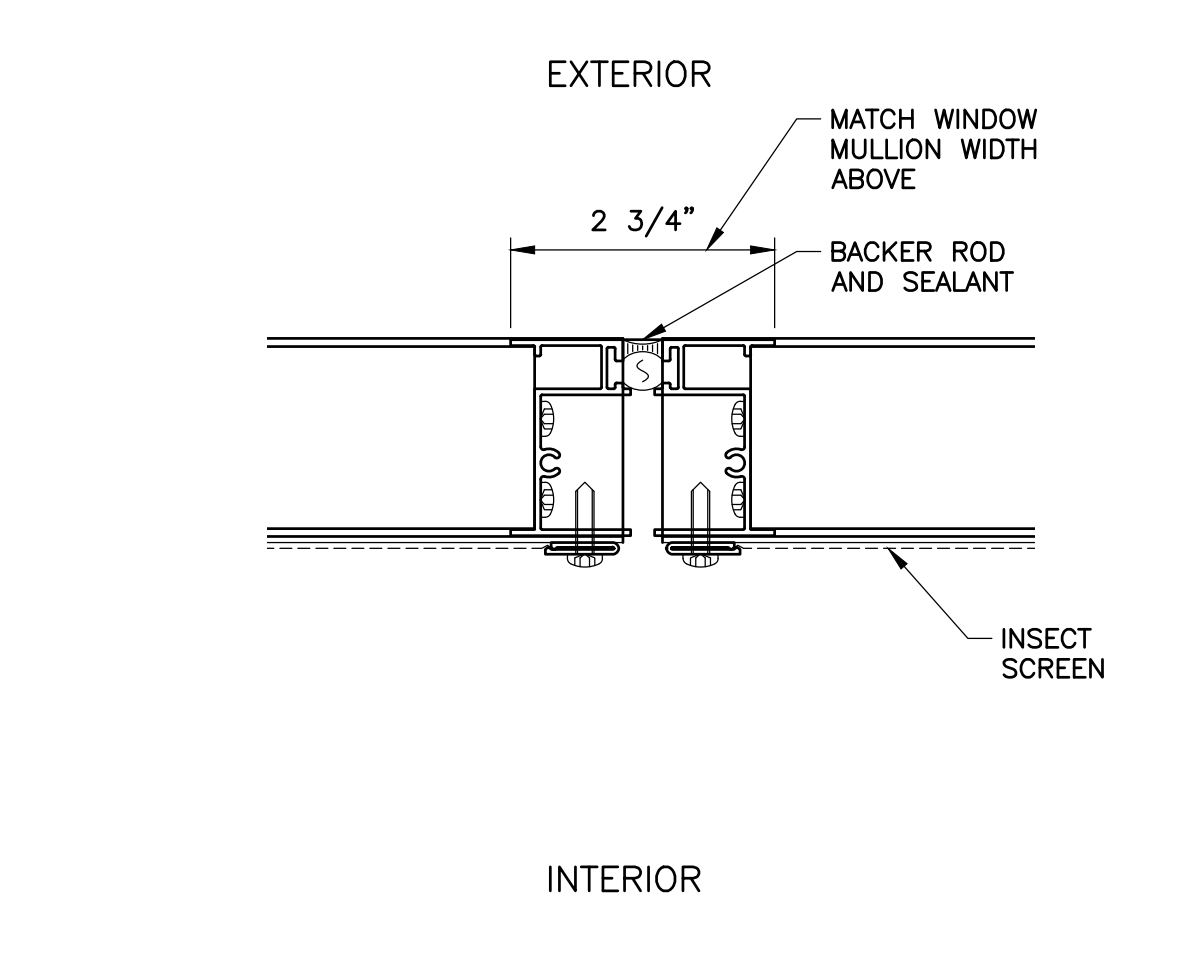
9 LADDER TO ROOF
BA6 SCALE: 1/2"=1'-0"



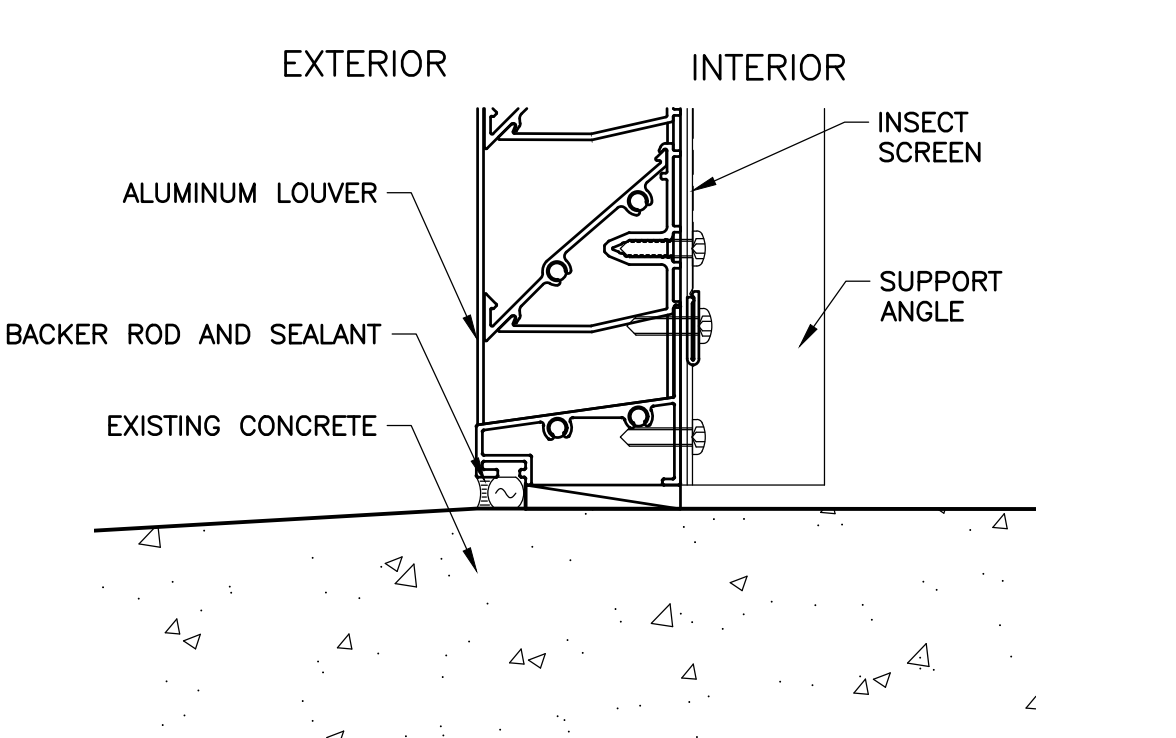
4 LOUVER HEAD DETAIL
BA6 SCALE: 6"=1'-0"



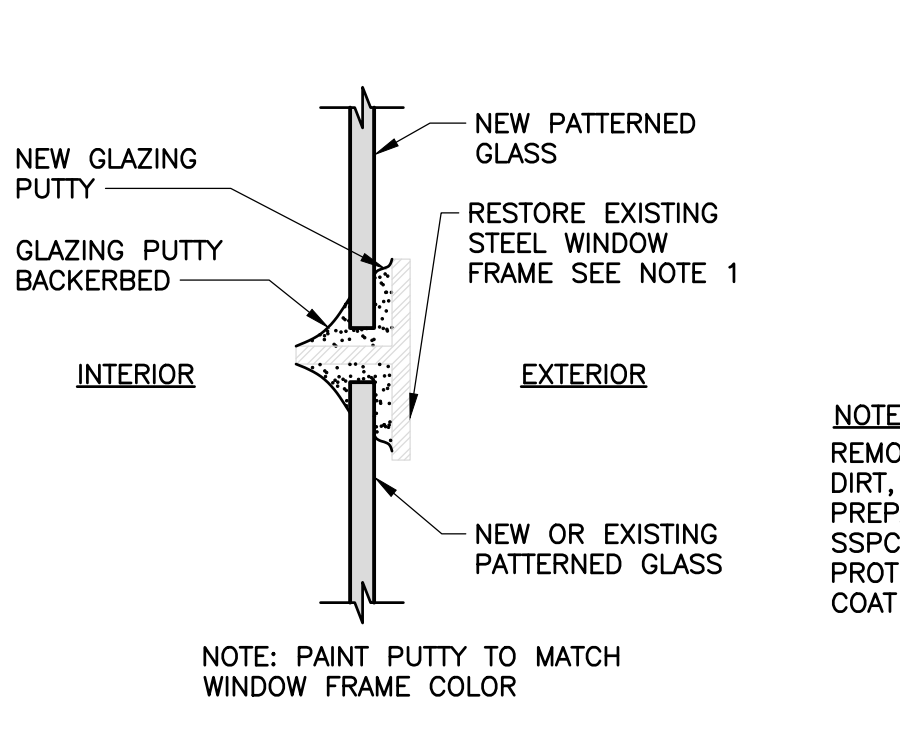
5 LOUVER JAMB DETAIL
BA6 SCALE: 6"=1'-0"



6 LOUVER MULLION DETAIL
BA6 SCALE: 6"=1'-0"



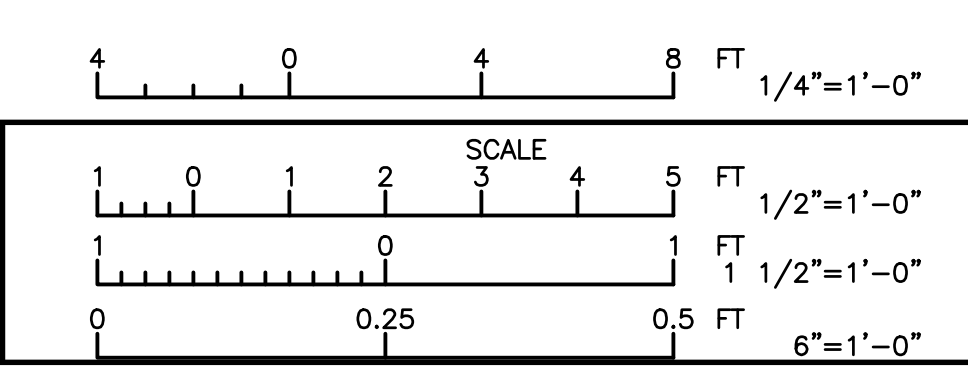
7 LOUVER SILL DETAIL
BA6 SCALE: 6"=1'-0"



8 GLAZING DETAIL AT STEEL WINDOW
BA6 SCALE: 6"=1'-0"

NOTE 1
REMOVE ALL TRACES OF PUTTY, DIRT, RUST AND FOREIGN MATERIAL. PREPARE FRAME SURFACE PER SSPC TO RECEIVE RUST PROTECTION COAT. APPLY FINAL COAT IN COLOR TO MATCH EXISTING

NOTE: PAINT PUTTY TO MATCH WINDOW FRAME COLOR



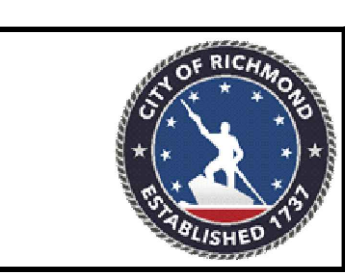
EC Environ-Civil Engineering, Ltd.
Engineers • Scientists • Construction Managers
501 East Franklin Street, Suite 527 Richmond, VA 23219

GREELEY AND HANSEN
9020 STONY POINT PARKWAY, SUITE 275
RICHMOND, VIRGINIA 23235

DESIGNED	SS	APPROVED	
DRAWN	AKB/SS		
CHECKED	JL		

NO.	DATE	APPD	REVISION

CITY OF RICHMOND, VIRGINIA
DEPARTMENT OF PUBLIC UTILITIES
BYRD PARK MAIN PUMPING STATION
IMPROVEMENTS PROJECT

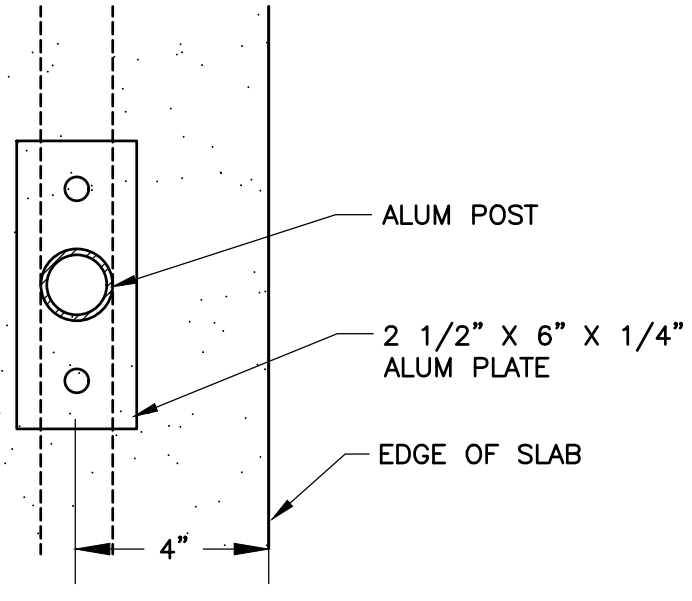


MAIN PUMPING STATION
ARCHITECTURAL
GENERAL DETAILS

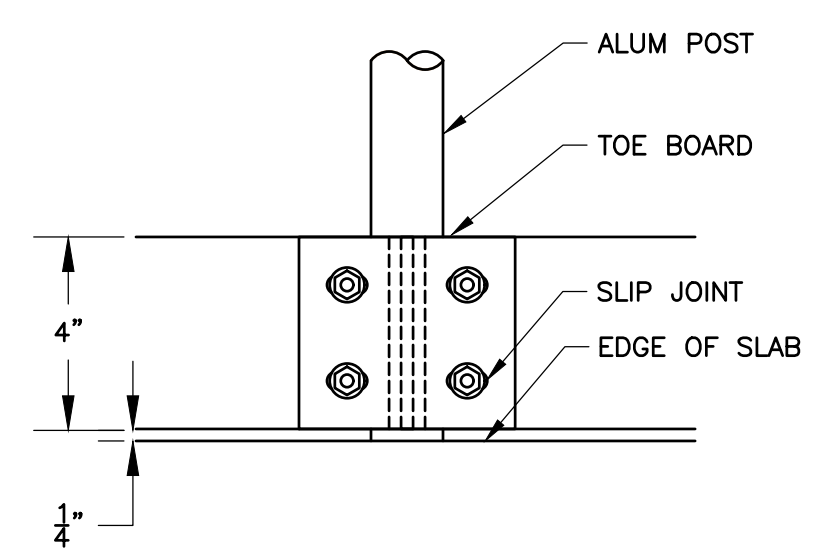
PRELIMINARY 90%
SEPTEMBER 2023

PROJECT NO.:	02189.XX
DWG:	BA6
SHEET:	21 OF 79
DATE:	SEPTEMBER 2023
REV:	0

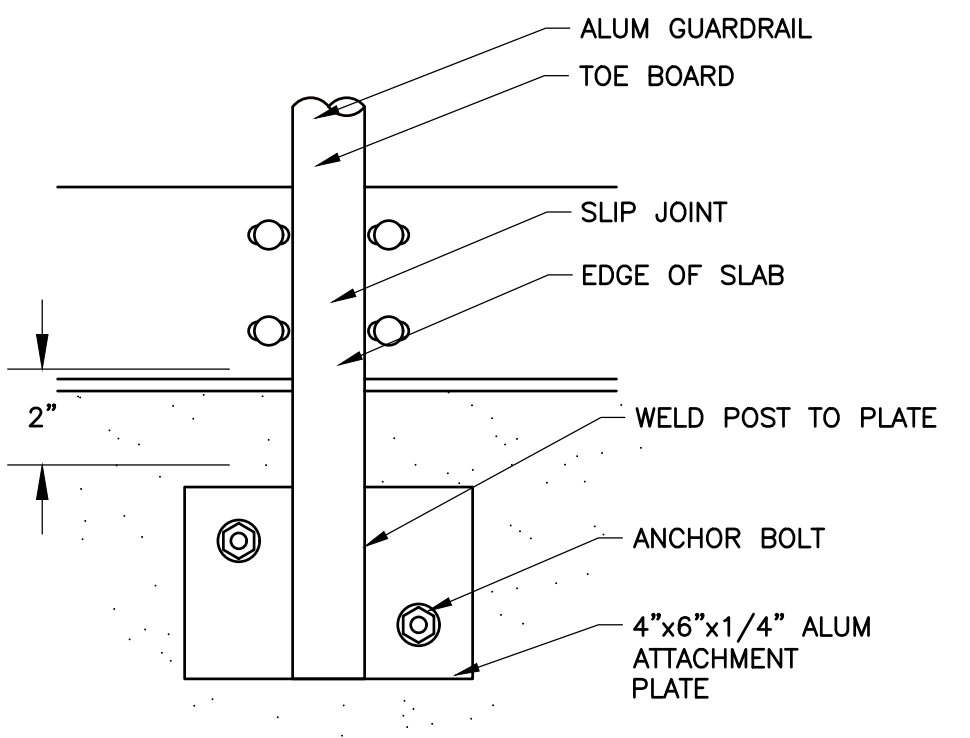
2024/05/01 3:29 PM
 T:\01-GH-RCH-L\PROJECTS\0218-RICHMOND\WATER-ENG-SERVICES\02189\BYRD PARK MAIN PS DESIGN\21 CAD\21.05 WORKING DWGS\RC920-BA07-SERGIO_SIERRA



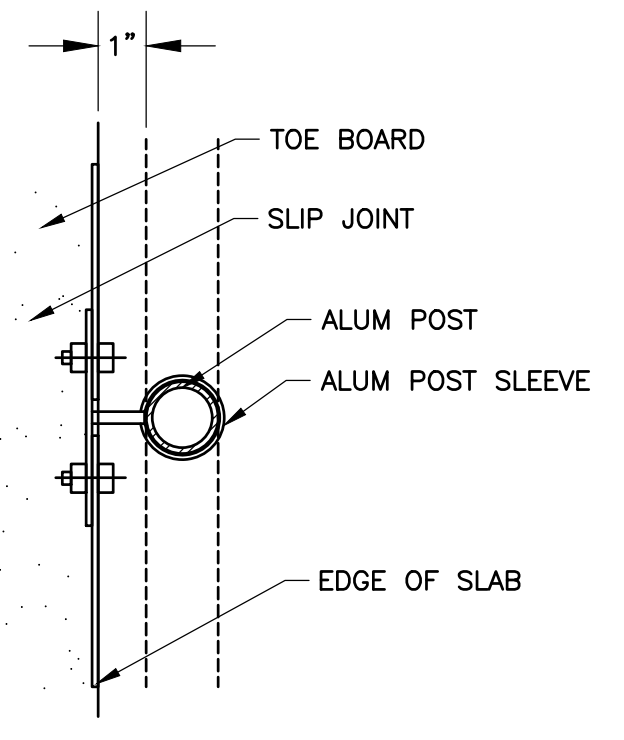
1 TOP MOUNTED POST
BA7 SCALE: 3"=1'-0"



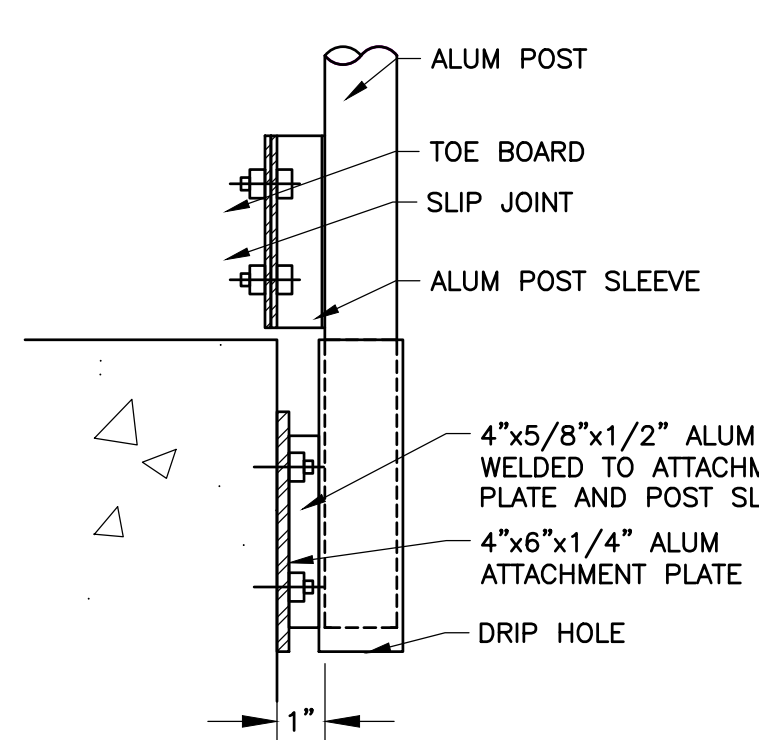
2 TOE BOARD CONNECTION DETAIL
BA7 SCALE: 3"=1'-0"



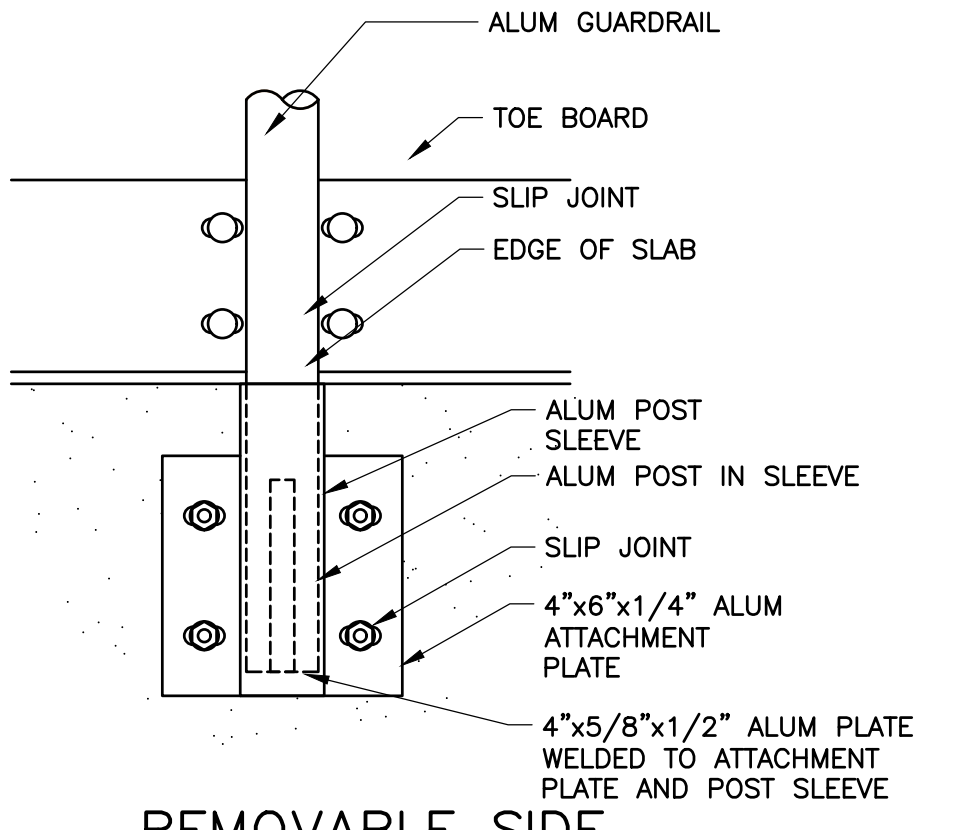
3 SIDE MOUNTED RAIL ELEVATION
BA7 SCALE: 3"=1'-0"



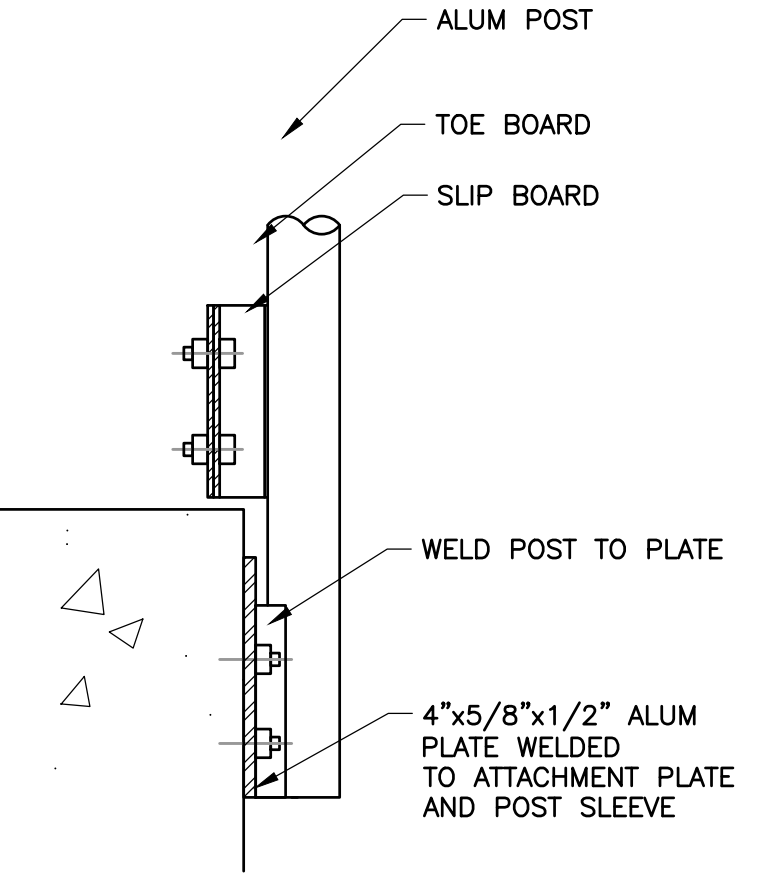
4 SIDE MOUNTED RAIL PLAN
BA7 SCALE: 3"=1'-0"



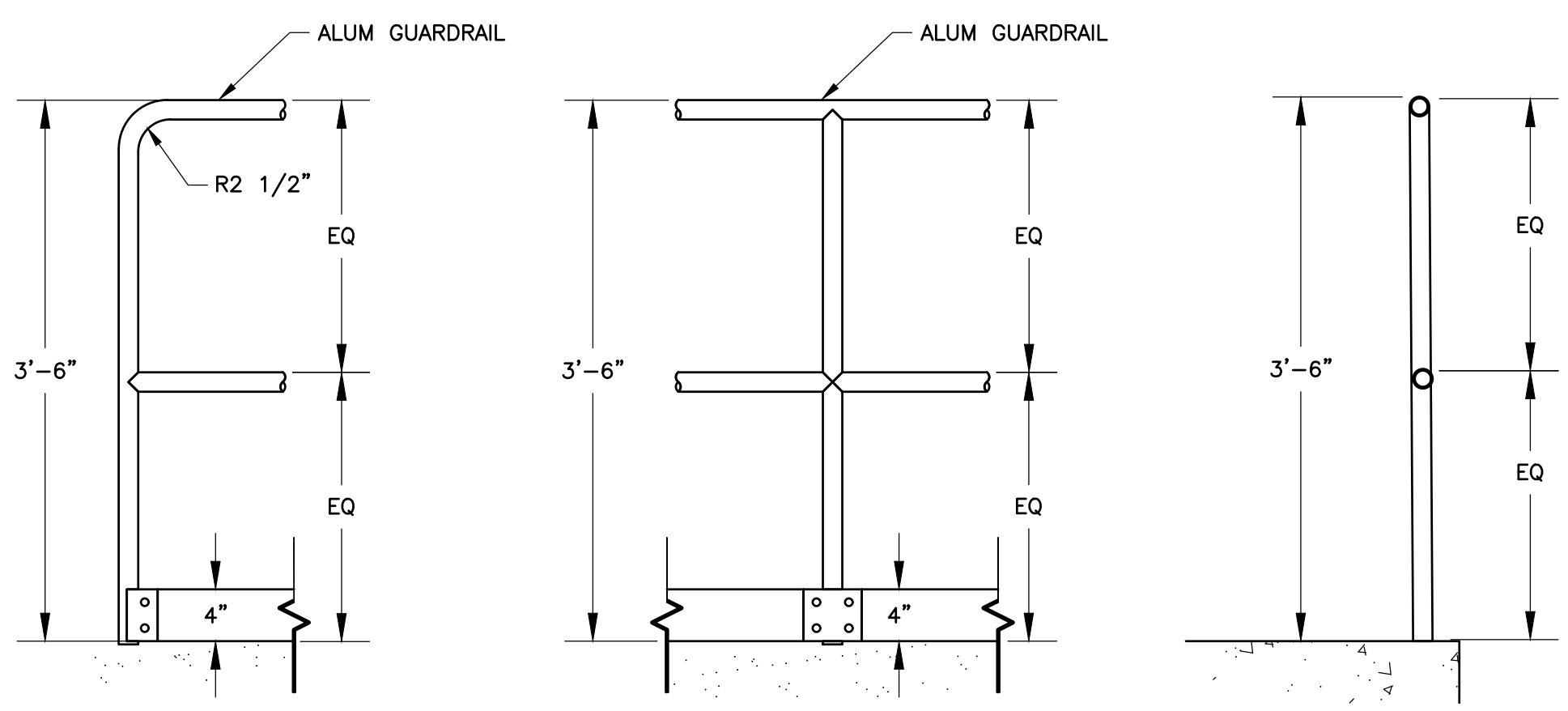
5 REMOVABLE SIDE MOUNTED RAILING
BA7 SCALE: 3"=1'-0"



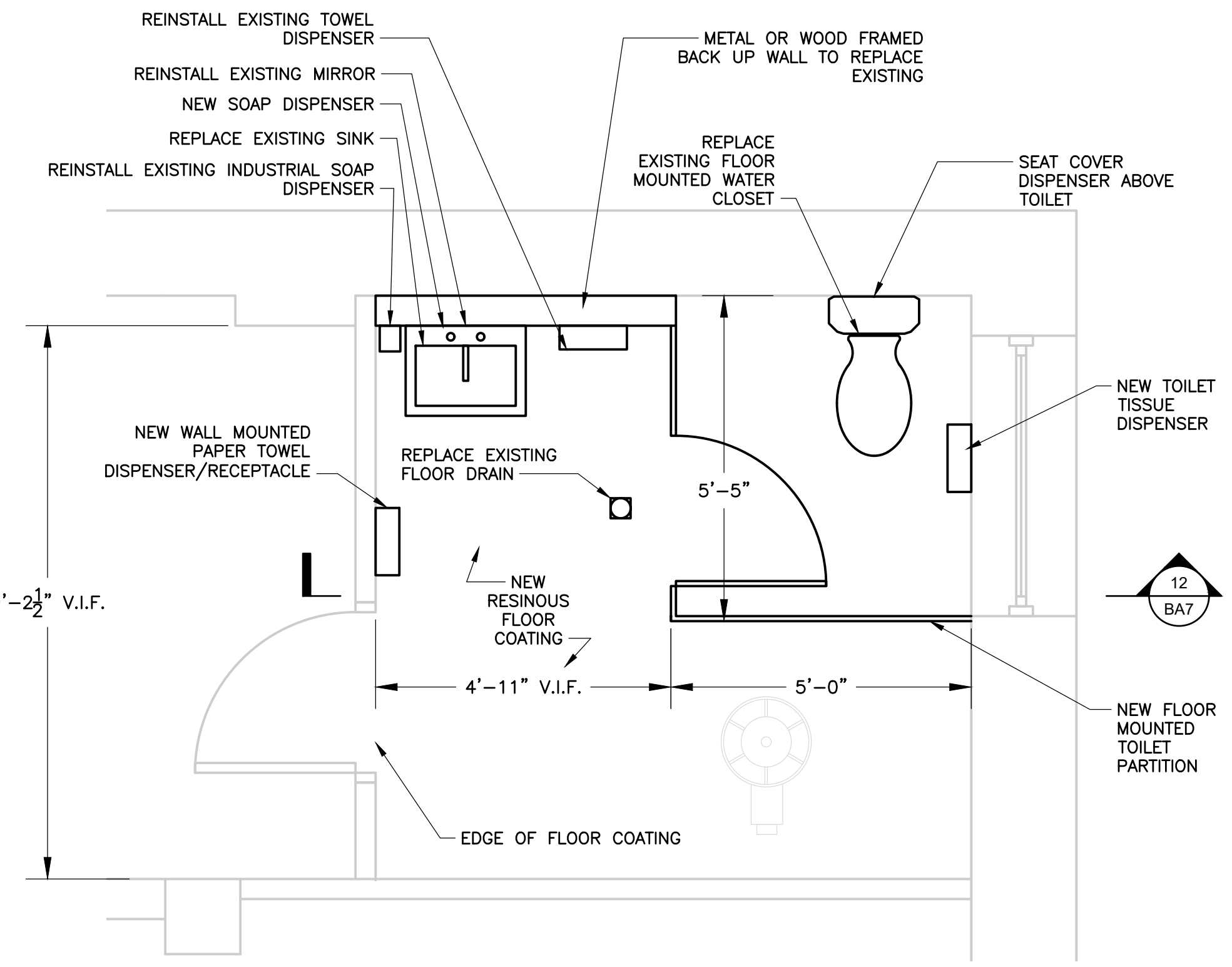
6 REMOVABLE SIDE MOUNTED RAILING
BA7 SCALE: 3"=1'-0"



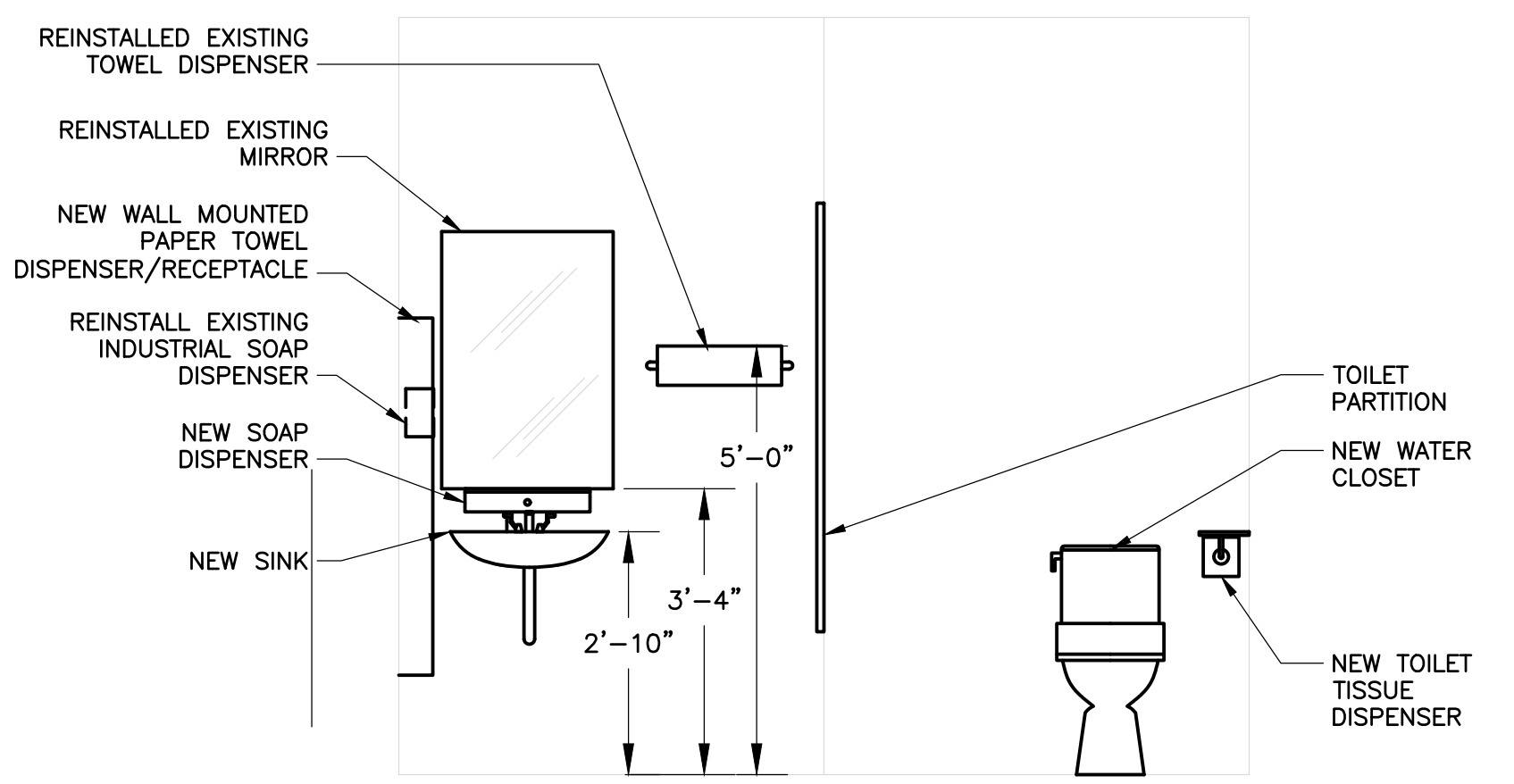
7 SIDE MOUNTED POST SECTION
BA7 SCALE: 3"=1'-0"



8 TYPICAL RAILING DETAILS
BA7 SCALE: 1"=1'-0"



9 ENLARGED TOILET PLAN
BA7 SCALE: 1/2"=1'-0"

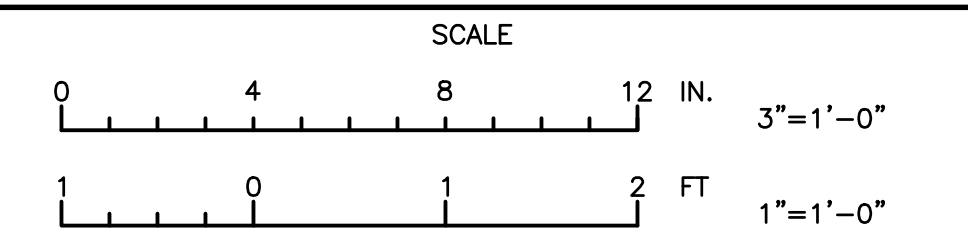


10 ENLARGED TOILET ELEVATION
BA7 SCALE: 1/2"=1'-0"

EC Environ-Civil Engineering, Ltd.
Engineers • Scientists • Construction Managers
501 East Franklin Street, Suite 527 Richmond, VA 23219

GREELEY AND HANSEN
9020 STONY POINT PARKWAY, SUITE 275
RICHMOND, VIRGINIA 23235

DESIGNED SS	APPROVED			
DRAWN AKB/SS				
CHECKED JL				
NO.	DATE	APPD	REVISION	



CITY OF RICHMOND, VIRGINIA
DEPARTMENT OF PUBLIC UTILITIES
BYRD PARK MAIN PUMPING STATION
IMPROVEMENTS PROJECT



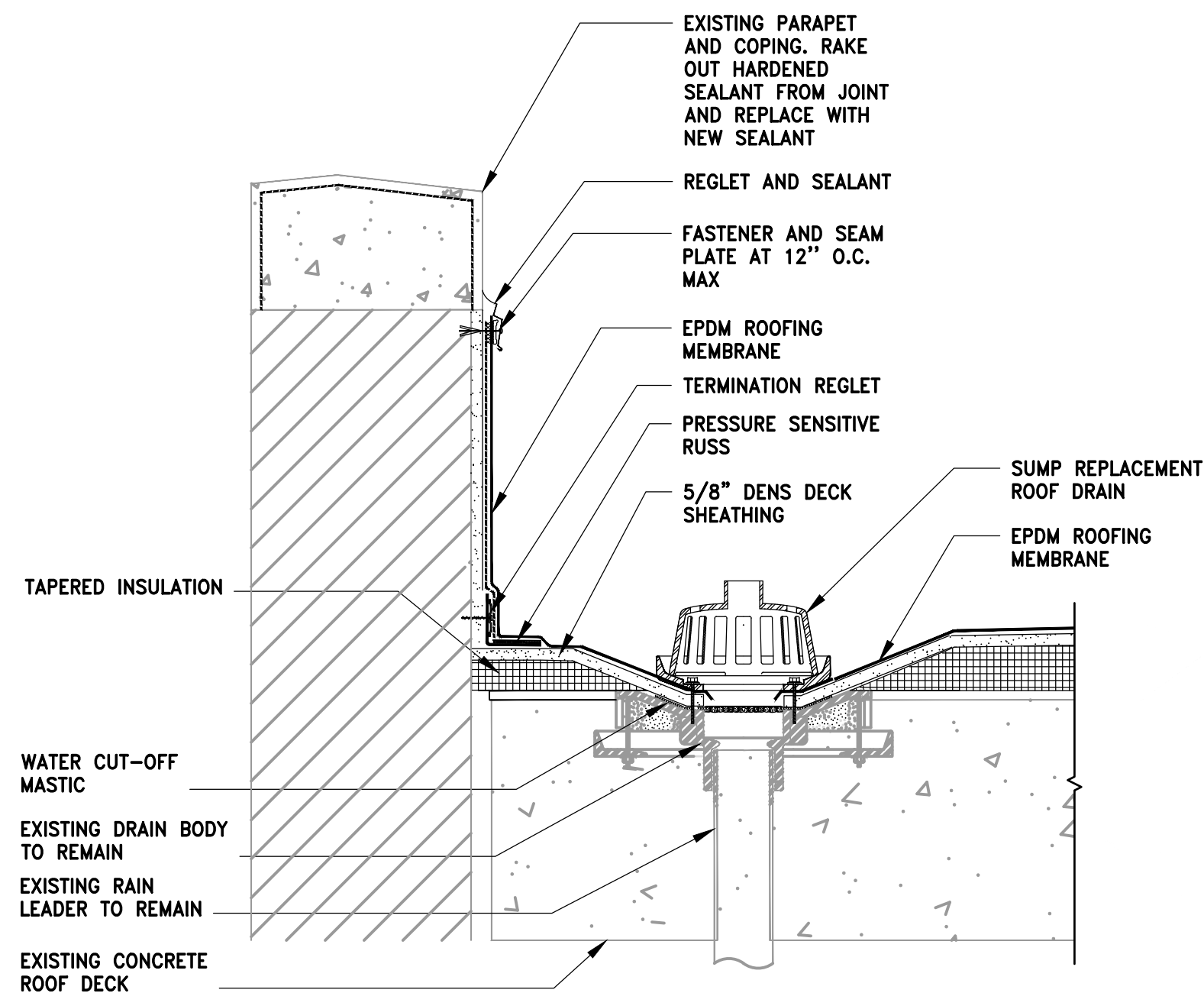
MAIN PUMPING STATION
ARCHITECTURAL
RAILING DETAILS

PROJECT NO.: 02189.XX
DWG: **BA7**
SHEET: XX OF 79
DATE: SEPTEMBER 2023 REV: 0

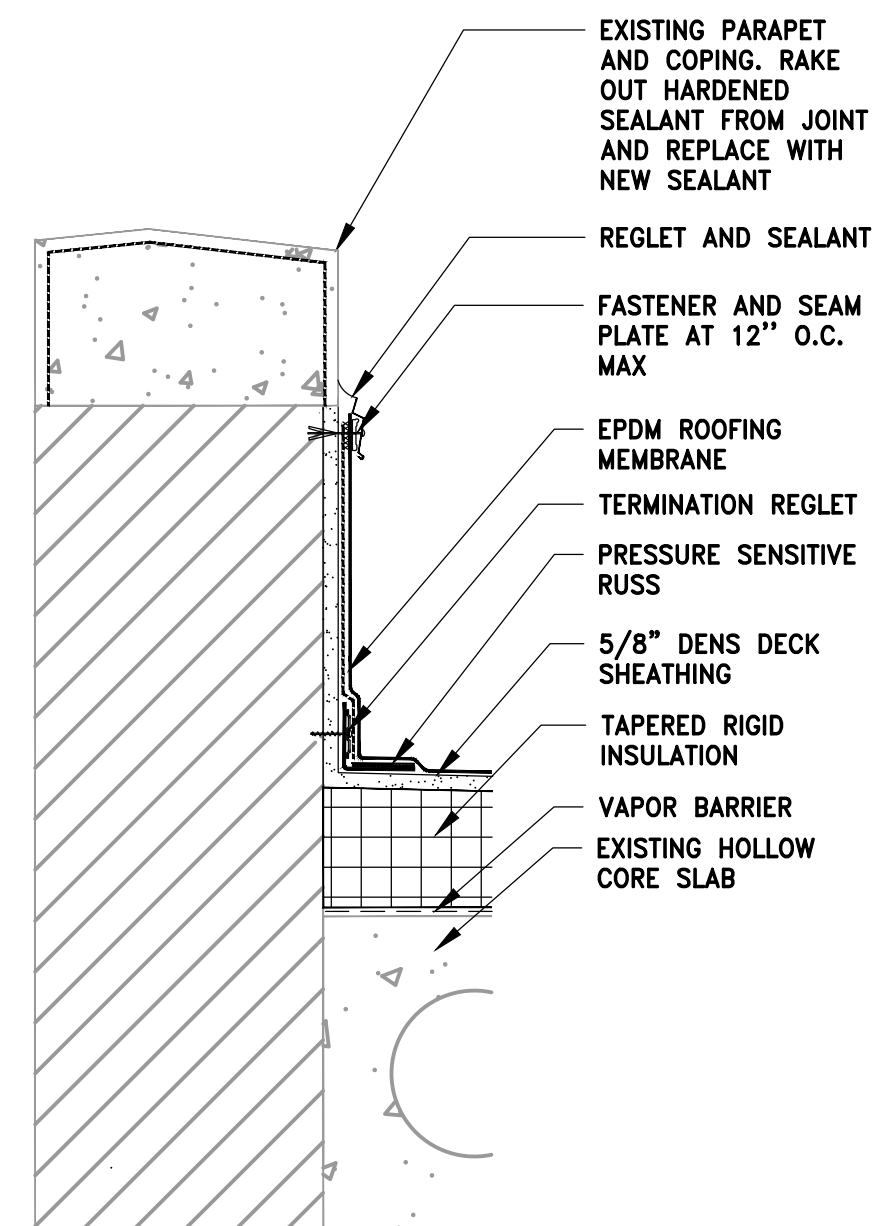
PRELIMINARY 90%
SEPTEMBER 2023

2024/05/01 3:30 PM

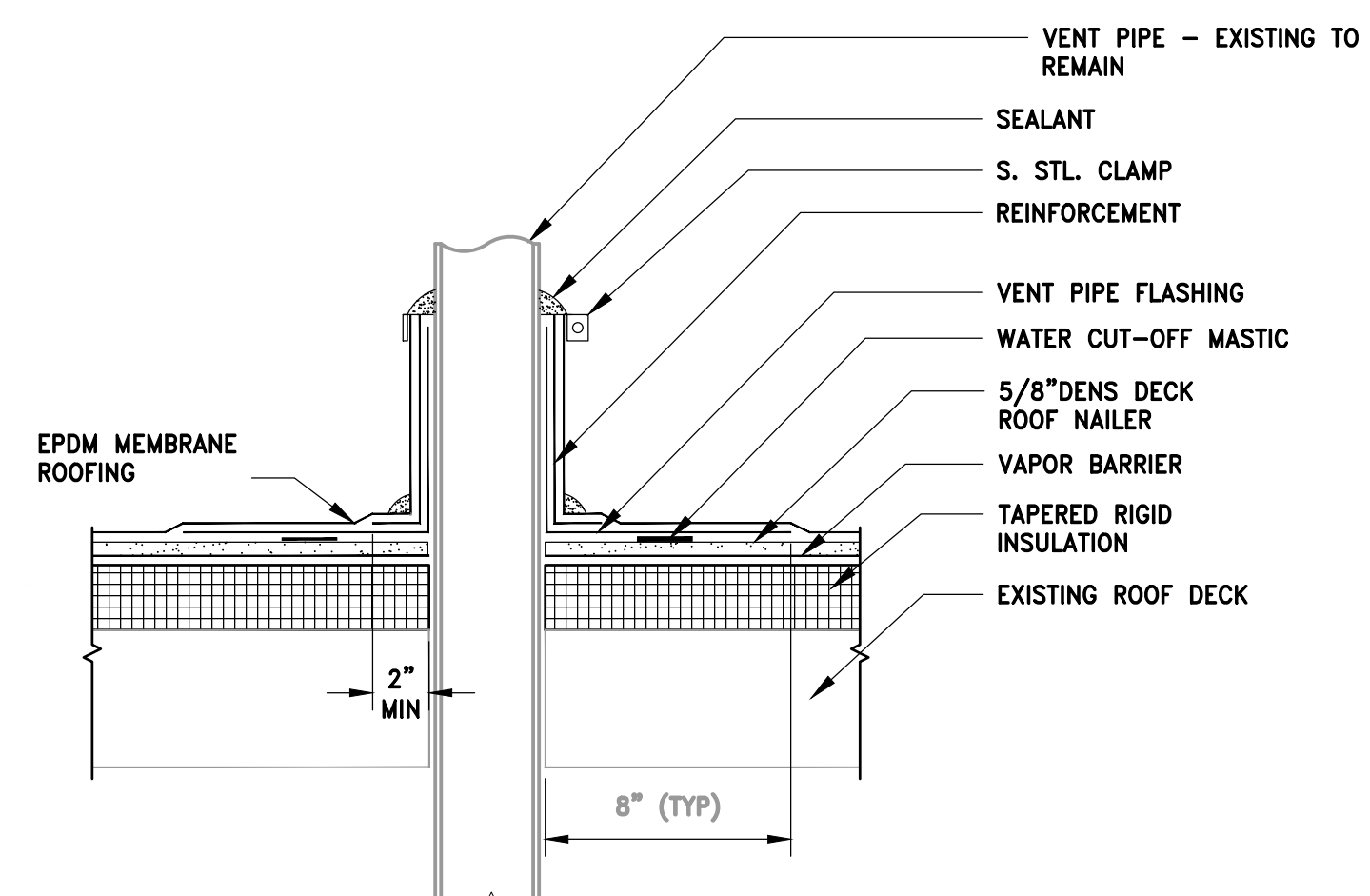
T:\04-GH-RCH\1\PROJECTS\0218_RICHMOND\WATER_ENG_SERVICES_02189\BYRD_PARK_MAIN_PS_DESIGN\21_CADD\2105_WORKING_DWGS\RC920-BA08_SERGIO_SIERRA



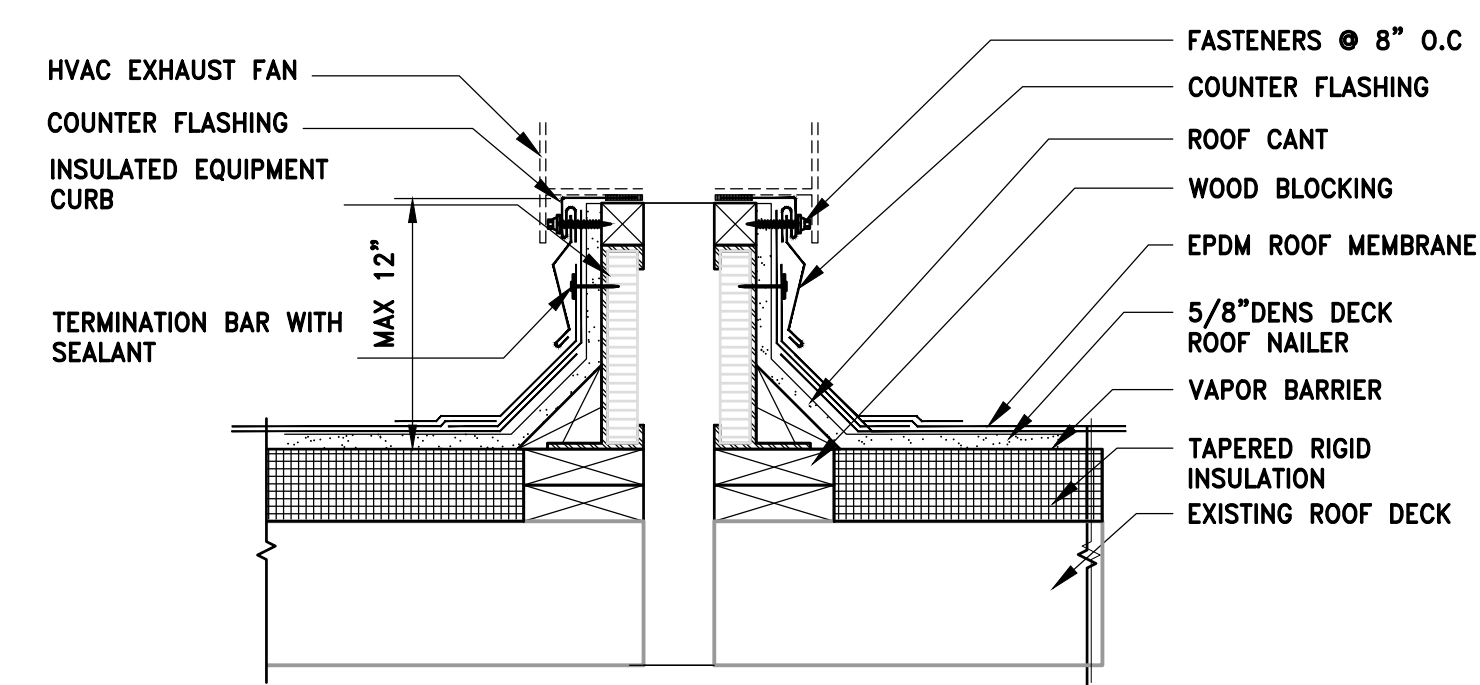
1 ROOF DRAIN DETAIL
BA8 SCALE: 1 1/2"=1'-0"



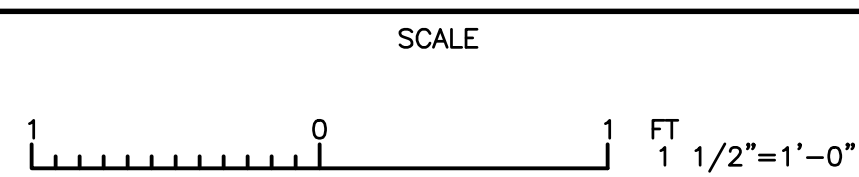
2 ROOF PARAPET DETAIL
BA8 SCALE: 1 1/2"=1'-0"



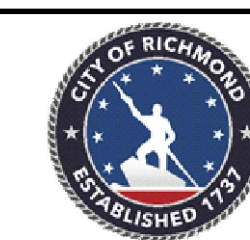
3 ROOF VENT DETAIL
BA8 SCALE: 1 1/2"=1'-0"



4 EQUIPMENT CURB DETAIL
BA8 SCALE: 1 1/2"=1'-0"



CITY OF RICHMOND, VIRGINIA
DEPARTMENT OF PUBLIC UTILITIES
BYRD PARK MAIN PUMPING STATION
IMPROVEMENTS PROJECT



MAIN PUMPING STATION
ARCHITECTURAL
ROOF DETAILS

PRELIMINARY 90%
SEPTEMBER 2023

GREELEY AND HANSEN
9020 STONY POINT PARKWAY, SUITE 275
RICHMOND, VIRGINIA 23235

DESIGNED XXX
DRAWN XXX
CHECKED RJC

APPROVED

NO.	DATE	APPD	REVISION

PROJECT NO.: 02189.XX
DWG: **BA8**
SHEET: 23 OF 79
DATE: SEPTEMBER 2023 REV: 0