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ALTERATIONS TO TREASURY MOTOR POOL  
BAYSIDE STATE PRISON

4342 NJ-47

MAURICE RIVER, N.J. 08314

DPMC NO. A1397-00

STATE OF NEW JERSEY

HONORABLE PHILIP D. MURPHY, GOVERNOR

HONORABLE TAHESHA L. WAY, LIEUTENANT GOVERNOR

DEPARTMENT OF THE TREASURY

ELIZABETH MAHER MUOIO, STATE TREASURER

DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION

CHRISTOPHER CHIANESE, DIRECTOR



LAMMEY + GIORGIO, PA, ARCHITECTS



BUILDING DATA

BUILDING CODE:	2021 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION 2020 NATIONAL ELECTRICAL CODE (NFPA 70) 2017 ACCESSIBILITY CODE (A117.1), NEW JERSEY EDITION 2012 MECHANICAL CODE (IMC), NEW JERSEY EDITION 2021 NEW JERSEY PLUMBING CODE (NSPC) 2019 NEW JERSEY COMMERCIAL ENERGY CODE (ASHRAE 90.1)
REHABILITATION SUB CODE:	NUJCC REHABILITATION SUBCODE CHAPTER 6, 5:23-6.6 ALTERATIONS 5.23-6.28 BASIC REQUIREMENTS GROUP S
NEW JERSEY REGULATIONS:	NJAC, 5:23-8, ASBESTOS HAZARD ABATEMENT SUBCODE NJAC, 5:17 - NJ LEAD HAZARD EVALUATION AND ABATEMENT CODE NJAC, 8:62 - NJ STANDARDS FOR LEAD CERTIFICATION NJAC, 7:26 - NJ WASTE DISPOSAL REQUIREMENTS NJAC, 12:100-13, NJ INDOOR AIR QUALITY STANDARD
USE GROUP:	S-1, MOTOR VEHICLE REPAIR GARAGE
CONSTRUCTION TYPE:	III B
NUMBER OF STORIES:	1
AREA OF WORK:	231 S.F.
EXISTING BUILDING AREA:	4,150 S.F.
FIRE SPRINKLER:	NO
OCCUPANT LOAD:	6 (BASED ON ACTUAL NUMBER OF OCCUPANTS)

GENERAL NOTES

- A KEYNOTING SYSTEM IS USED ON THE DRAWINGS FOR MATERIALS REFERENCES AND NOTES. REFER TO THE KEYNOTE LEGEND ON THE DRAWING FOR THE INFORMATION WHICH RELATES TO EACH KEYNOTE ON THE RESPECTIVE DRAWING.
- THE ORGANIZATION OF THE KEYNOTING SYSTEM ON THE DRAWINGS, WITH THE KEYNOTE REFERENCE NUMBERS, SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTOR'S OR IN ESTABLISHING THE EXTENT OF WORK TO BE PERFORMED BY ANY TRADE.
- DO NOT SCALE DRAWINGS.
- SCOPE: CONTRACTOR SHALL FURNISH TOOLS, EQUIPMENT, MATERIAL, AND LABOR TO PERFORM OPERATIONS NECESSARY AND REASONABLY INCIDENTAL FOR THE PROPER COMPLETION ON ALL WORK AS SHOWN ON THE DRAWINGS AND DIRECTED BY THE OWNER.
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL PLAN DIMENSIONS AND CONDITIONS AND ALL EXISTING CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION. HE SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR CORRECTION PRIOR TO BEGINNING ANY WORK. THE DISCOVERY OF DISCREPANCIES AFTER THE BEGINNING OF WORK WILL BE EVIDENCE OF FAULTY WORK AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THESE DOCUMENTS ARE THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE ALTERED OR USED FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY THE ARCHITECT.
- ALL WORK INDICATED ON THESE DOCUMENTS HAS BEEN DESIGNED TO MEET THE NEW JERSEY UNIFORM CONSTRUCTION CODE, ALL SUB-CODES. CONTRACTOR TO PERFORM ALL WORK IN ACCORDANCE WITH ABOVE MENTIONED CODES, THE NATIONAL STANDARD PLUMBING CODE, AND THE NATIONAL ELECTRICAL CODE.

COMPLIANCE NOTES

- ALL WORK OF THESE DOCUMENTS, AS WELL AS THE SPECIFICATIONS, MEET OR EXCEED ALL ENVIRONMENTAL DESIGN (INCLUDING BARRIER FREE AND CONSTRUCTION REQUIREMENTS OF APPLICABLE FEDERAL, STATE AND LOCAL CODES, REGULATIONS, ORDINANCES, DIRECTIVES, HUD UFAS AS WELL AS ALL OTHER CODES AND STANDARDS REFERENCED THEREIN WHICH PERTAINS TO THE WORK).

SYMBOL LEGEND

	NORTH ARROW		INSULATION
	EARTH		FINISHED WD.
	GRAVEL (SECTION)		PLYWOOD
	RIGID INSULATION PANEL WITH NAILABLE BASE		ACoustICAL TILE
	CONCRETE MASONRY UNIT		GYPSUM WALLBOARD
	STEEL		ROUGH WOOD
	METAL FRAMING		
	SPOT ELEVATION		DIVISION NUMBER
			NOTE IDENTIFIER
			NOTE



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ALTERATIONS TO TREASURY  
MOTOR POOL

Location

BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

DPMC Number

A1397-00

Project Number

20520.11

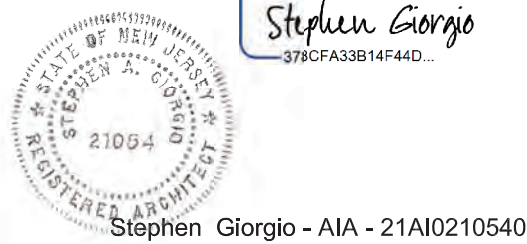
Date

11/03/2023

Architect

Lammy + Giorgio  
Architecture + Design  
215 Highland Ave, Suite B  
Haddon Twp, NJ, 08108  
p.856.833.0010

DS



Stephen Giorgio - AIA - 21A02105400

#	Issue/Revision	Date
1	DESIGN DEVELOPMENT	09/07/2023
2	FINAL DESIGN	11/03/2023
3	BUILDING DATA UPDATE	11/2024
4	TRAILER	03/27/2024

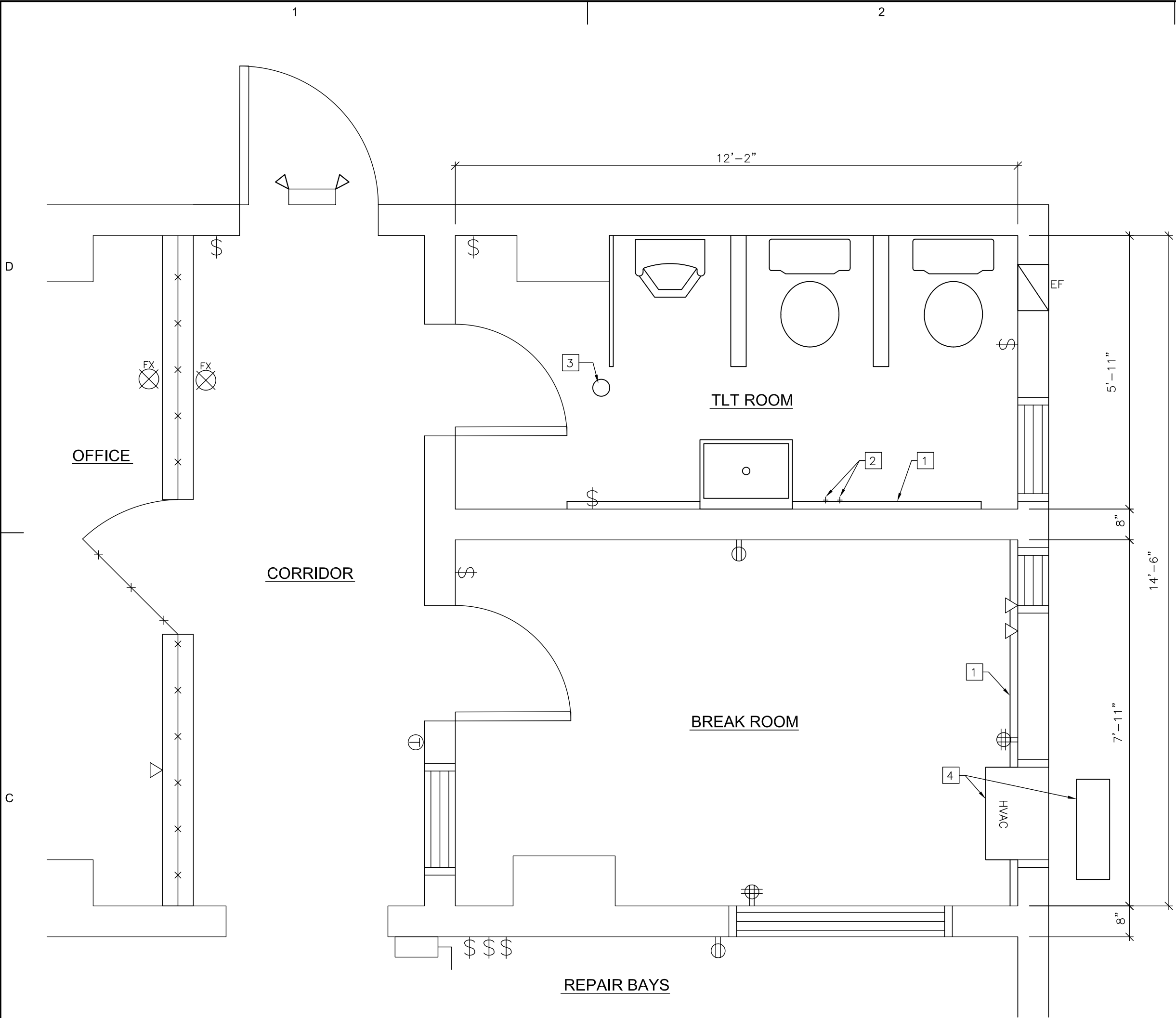
Sheet Title

TITLE SHEET AND KEY PLAN

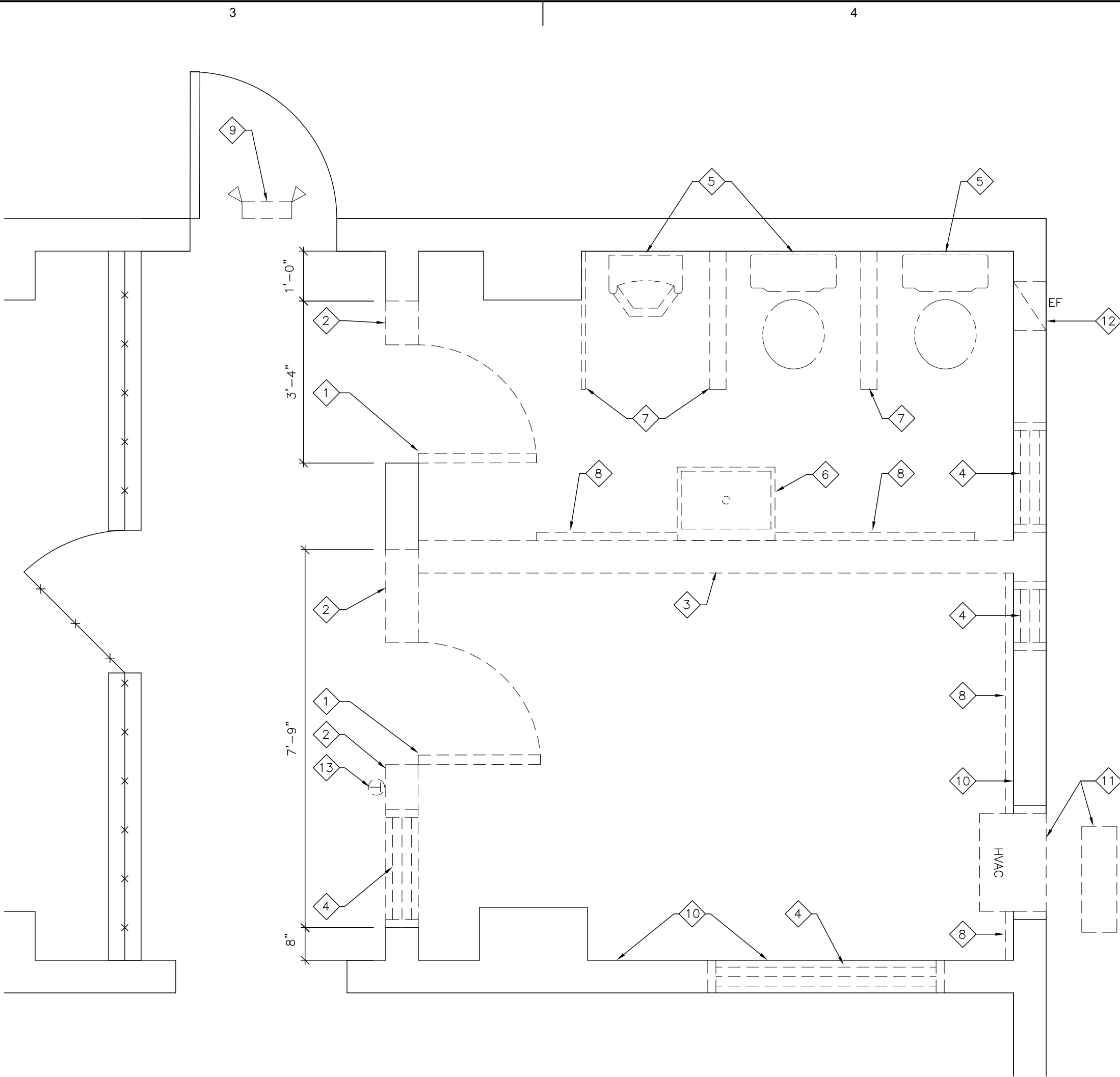
Sheet No.

T-1

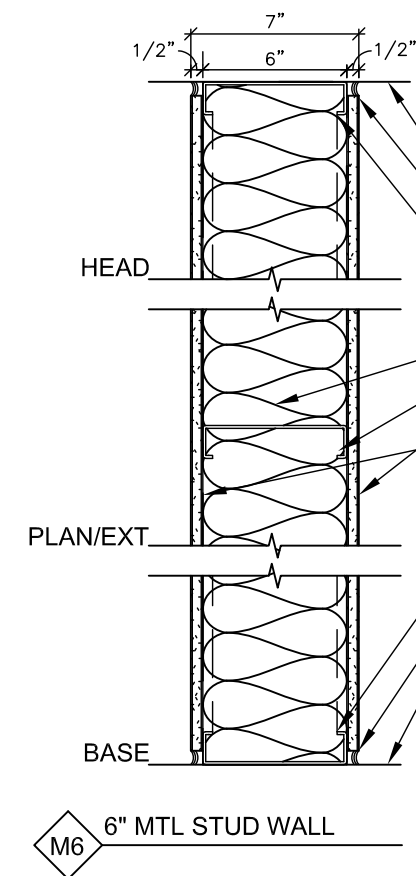
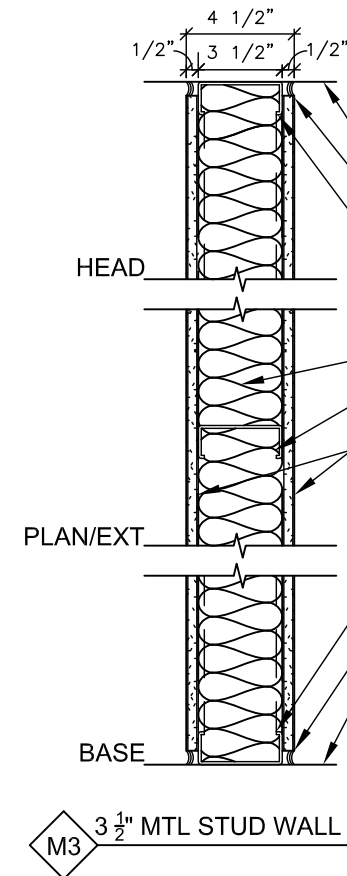
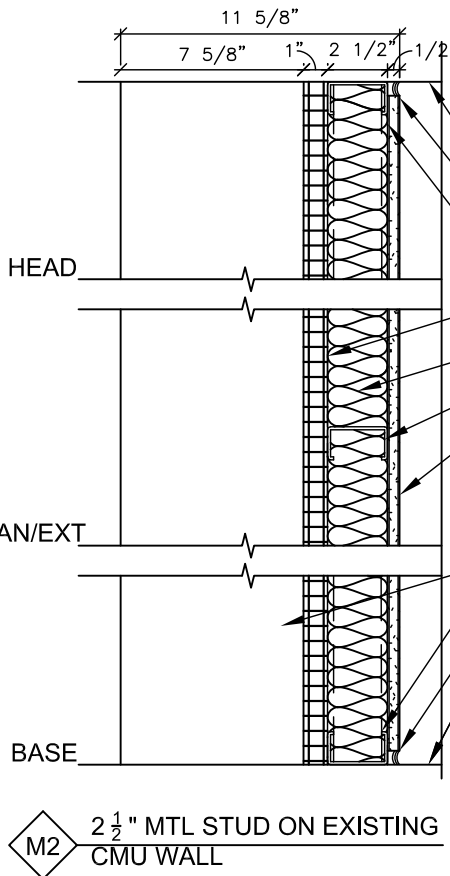
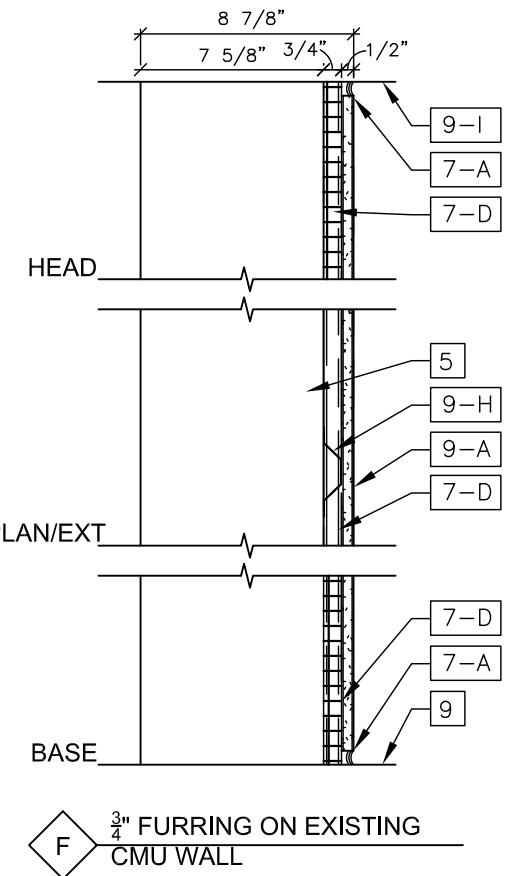
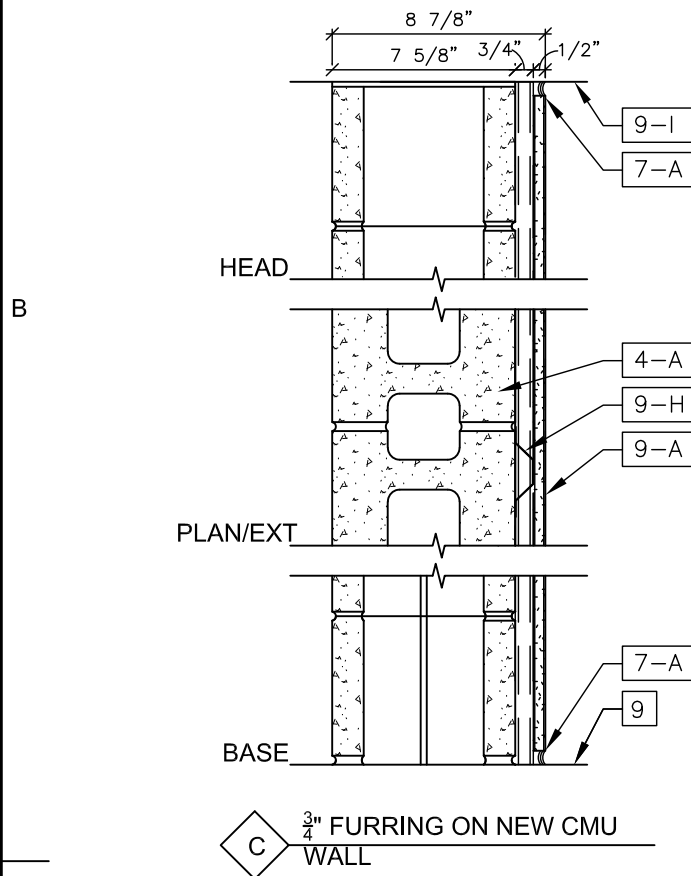




1 PARTIAL EXISTING FLOOR PLAN  
SCALE: 1/2" = 1'-0"



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



3 NEW WALL TYPES  
SCALE: 1 1/2" = 1'-0"

## GENERAL NOTES

- 1 BASEBOARD RADIATION
- 2 WATER SHUTOFF
- 3 CLEAN OUT
- 4 SPLIT SYSTEM DUCTLESS INDOOR & OUTDOOR UNIT
- 5 EXISTING CMU WALL
- 6 EXISTING FLOOR
- 7 TOP OF FINISH FLOOR - REFER TO FINISH SCHEDULE FOR SELECTED ROOM FINISHES

## DEMOLITION NOTES

- 1 REMOVE EXISTING DOOR, FRAME AND HARDWARE
- 2 REMOVE A PORTION OF EXISTING WALL FOR NEW OPENING
- 3 REMOVE EXISTING WALL & PATCH DISTURBED AREAS
- 4 REMOVE EXISTING WINDOW
- 5 REMOVE EXISTING PLUMBING FIXTURES
- 6 REMOVE EXISTING SINK
- 7 REMOVE EXISTING TOILET/WALL PARTITIONS
- 8 REMOVE EXISTING BASEBOARD RADIATION
- 9 REMOVE & REPLACE EXISTING EMERGENCY LIGHTING
- 10 REMOVE WOOD PANELING
- 11 TEMPORARILY DISCONNECT & RELOCATE EXISTING INDOOR EVAPORATOR & OUTDOOR CONDENSING UNITS, REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR ALL WORK.
- 12 REMOVE EXHAUST FAN & INFILL - REFER TO WALL TYPES
- 13 DISCONNECT & RELOCATE THERMOSTAT - SEE DWG M101

## LEGEND

- |  |                            |     |                                       |
|--|----------------------------|-----|---------------------------------------|
|  | EXISTING CONSTRUCTION      |     | EMERGENCY EXIT SIGN                   |
|  | EXISTING TO BE DEMO'ED     |     | EXTERIOR EMERGENCY EXIT W/ TWIN LAMPS |
|  | EXISTING DOOR              | (E) | EXISTING                              |
|  | NEW DOOR                   | (N) | NEW                                   |
|  | CHAIN LINK FENCE           | Ⓢ   | THERMOSTAT                            |
|  | EXHAUST FAN                |     |                                       |
|  | FIRE EXTINGUISHER          |     |                                       |
|  | QUADPLEX RECEPTACLE        |     |                                       |
|  | DUPLEX RECEPTACLE          |     |                                       |
|  | LIGHT SWITCH               |     |                                       |
|  | EXISTING VOICE/DATA OUTLET |     |                                       |

## DRAWING KEYNOTES

- |     |   |
|-----|---|
| 4   | MASONRY                                       |
| 4-A | NEW 8" CMU                                    |
| 6   | WOODS & PLASTICS                              |
| 6-G | NEW WOOD BLOCKING                             |
| 6-H | NEW 3/4" PLYWOOD                              |
| 7   | SEALANTS                                      |
| 7-A | NEW SEALANT                                   |
| 7-B | NEW BATT INSULATION - TO MATCH WALL THICKNESS |
| 7-C | NEW 1" RIGID INSULATION                       |
| 7-D | NEW 3/4" RIGID INSULATION                     |
| 9   | FINISHES                                      |
| 9-A | NEW 1/2" GYPSUM WALLBOARD                     |
| 9-H | NEW 3/4" HAT TRACK @ 16" O.C.                 |
| 9-I | NEW 2X2 ACOUSTICAL TILE CEILING               |
| 9-J | NEW 2 1/2" MTL STUD @ 16" O.C.                |
| 9-K | NEW 3 1/2" MTL STUD @ 16" O.C.                |
| 9-L | NEW 6" MTL STUD @ 16" O.C.                    |



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MAURICE RIVER, NJ

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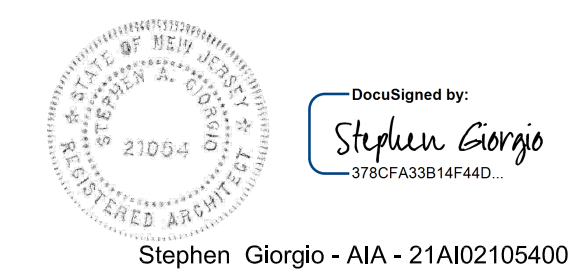
### Date

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### Architect

Lammy + Giorgio  
Architecture + Design  
215 Highland Ave, Suite B  
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### Sheet Title

EXISTING FLOOR & DEMOLITION  
PLAN, & NEW WALL TYPES

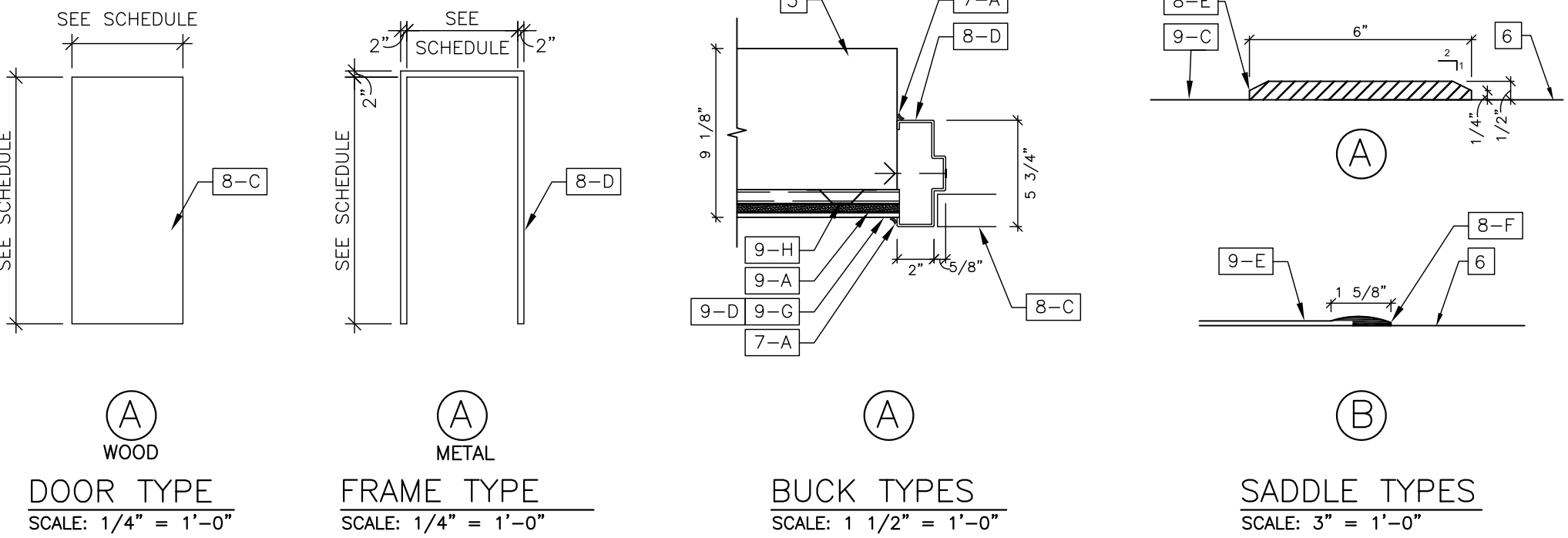
### Sheet No.

A-0



# DOOR SCHEDULE

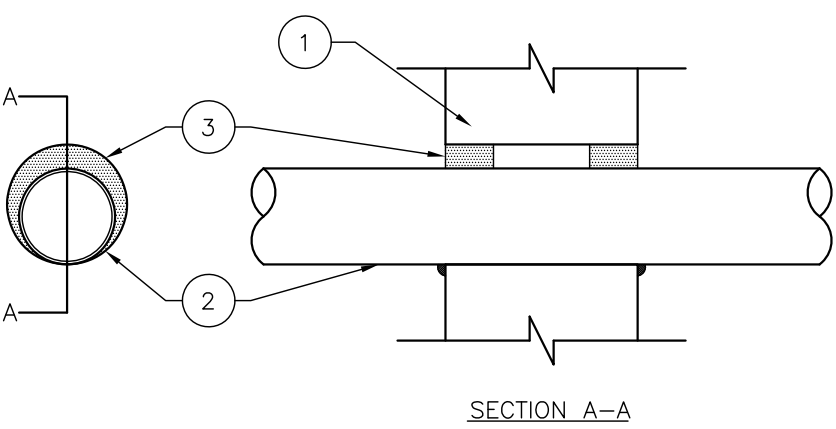
NO.	DOORS						FRAMES			SADDLE	HARDW. SET NO.	FIRE RATING	LINTEL	REMARKS
	width	height	thickness	material	type	leaves	material	type	buck					
1	3'-0"	6'-8"	1 3/4"	HM	A	1	HM	A	A	A	1	-	1	3/4" undercut
2	2'-0"	6'-8"	1 3/4"	HM	A	1	HM	A	A	A	2	-	1	3/4" undercut
3	3'-0"	6'-8"	1 3/4"	HM	A	1	HM	A	A	B	2	-	1	-



1 DOOR SCHEDULE AND DETAILS  
A-1 NO SCALE

## UL SYSTEM NO.: W-J-1063

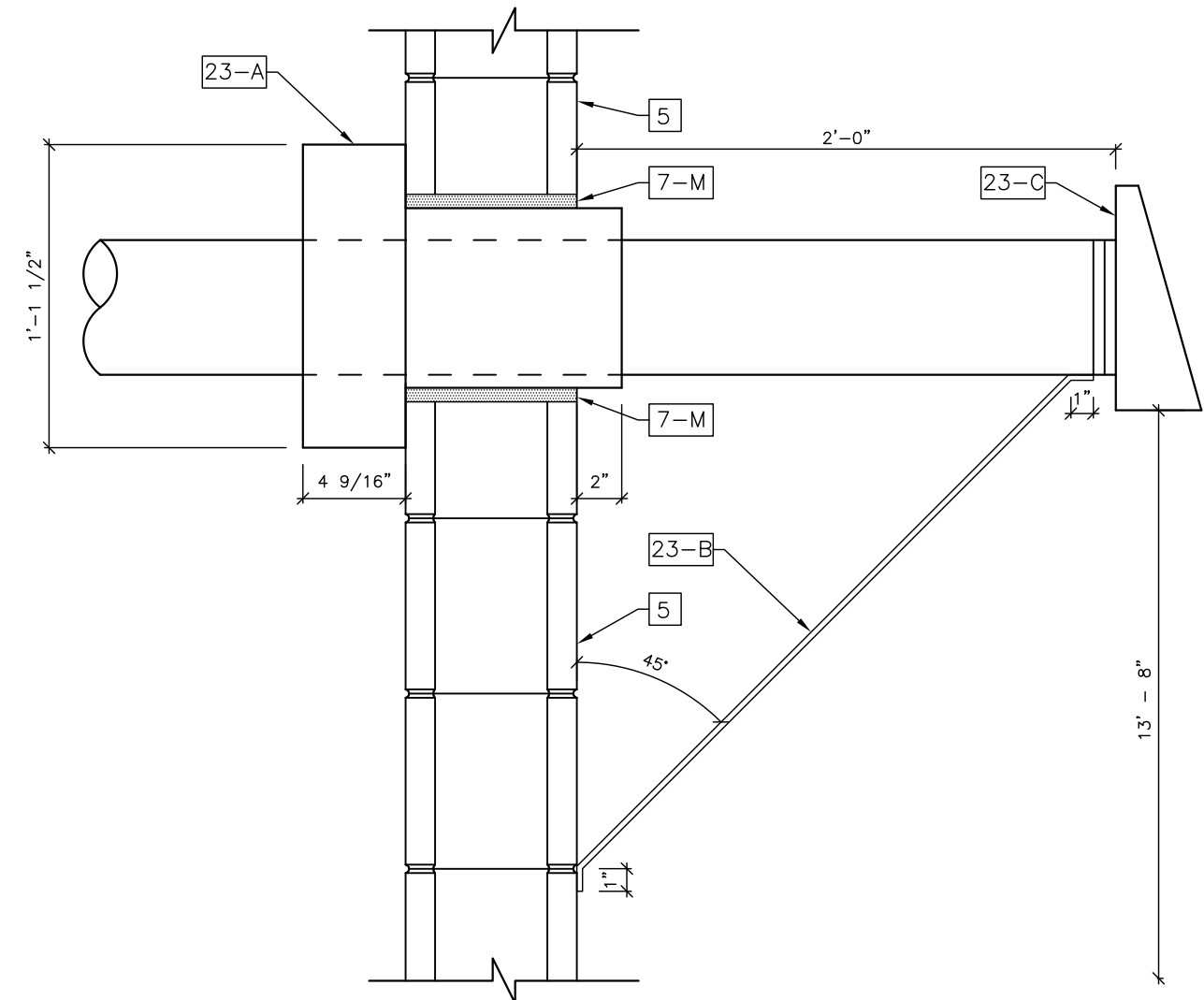
F RATING- 1, 2, 3, AND 4HR (ITEM 1)  
T RATING- 0 AND 1/4HR (SEE ITEM 2)



## PENETRATION WALL DETAIL BETWEEN BOILER ROOM & REPAIR GARAGE

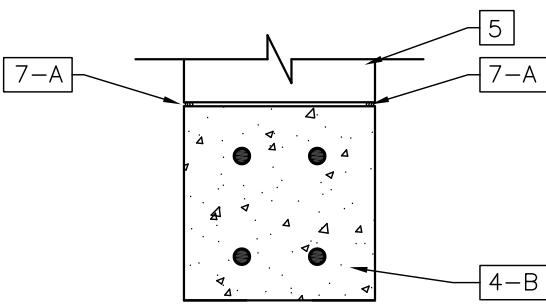
5 REFER TO SHEET M501  
A-1 SCALE: 1-1/2" = 1'-0"

- WALL ASSEMBLY - MIN 4-7/8, 6-1/8, 7-3/8, AND 8-5/8 INCH THICK NORMAL WEIGHT OR LIGHTWEIGHT (100-150 PCF) CONCRETE FOR 1, 2, 3 AND 4HR RATED ASSEMBLIES, RESPECTIVELY. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIAM OF OPENING IS 14-1/8 INCH. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
- THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN 0 INCH TO MAX 1-3/8 INCH. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
  - STEEL PIPE - THE FOLLOWING TYPES AND SIZES OF STEEL PIPES MAY BE USED:
    - NOM 4 INCH DIAM (OR SMALLER) SCHEDULE 7 (OR HEAVIER) STEEL PIPE.
    - NOM 8 INCH DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
    - NOM 10 INCH DIAM (OR SMALLER) SCHEDULE 20 (OR HEAVIER) STEEL PIPE.WHEN STEEL PIPE IS USED, T RATING IS 1/4HR FOR NOM 4 INCH DIAM (OR SMALLER) AND 0HR FOR STEEL PIPES GREATER THAN NOM 4 INCH DIAM.
  - IRON PIPE - NOM 4 INCH DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE. WHEN IRON PIPE IS USED T RATING IS 1/4HR.
  - CONDUIT - NOM 4 INCH DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT) OR STEEL CONDUIT. WHEN EMT OR STEEL CONDUIT IS USED T RATING IS 1/4HR.
  - COPPER TUBING - NOM 4 INCH DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. WHEN COPPER TUBE IS USED T RATING IS 0HR.
  - COPPER PIPE - NOM 4 INCH DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE. WHEN COPPER PIPE IS USED T RATING IS 0HR.
- FILL VOID OR CAVITY MATERIAL - SEALANT - MIN 5/8 INCH THICKNESS OF SEALANT FOR 1 HR RATED WALL ASSEMBLY AND MIN 1 INCH THICKNESS OF SEALANT FOR 2, 3, AND 4 HR RATED WALL ASSEMBLIES. APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT POINT CONTACT LOCATION BETWEEN PENETRANT AND PERIPHERY OF OPENING, A MIN 1/2 INCH DIAM BEAD OF FILL MATERIAL SHALL BE INSTALLED AT THE CONCRETE/PENETRANT INTERFACE ON BOTH SURFACES OF WALL.

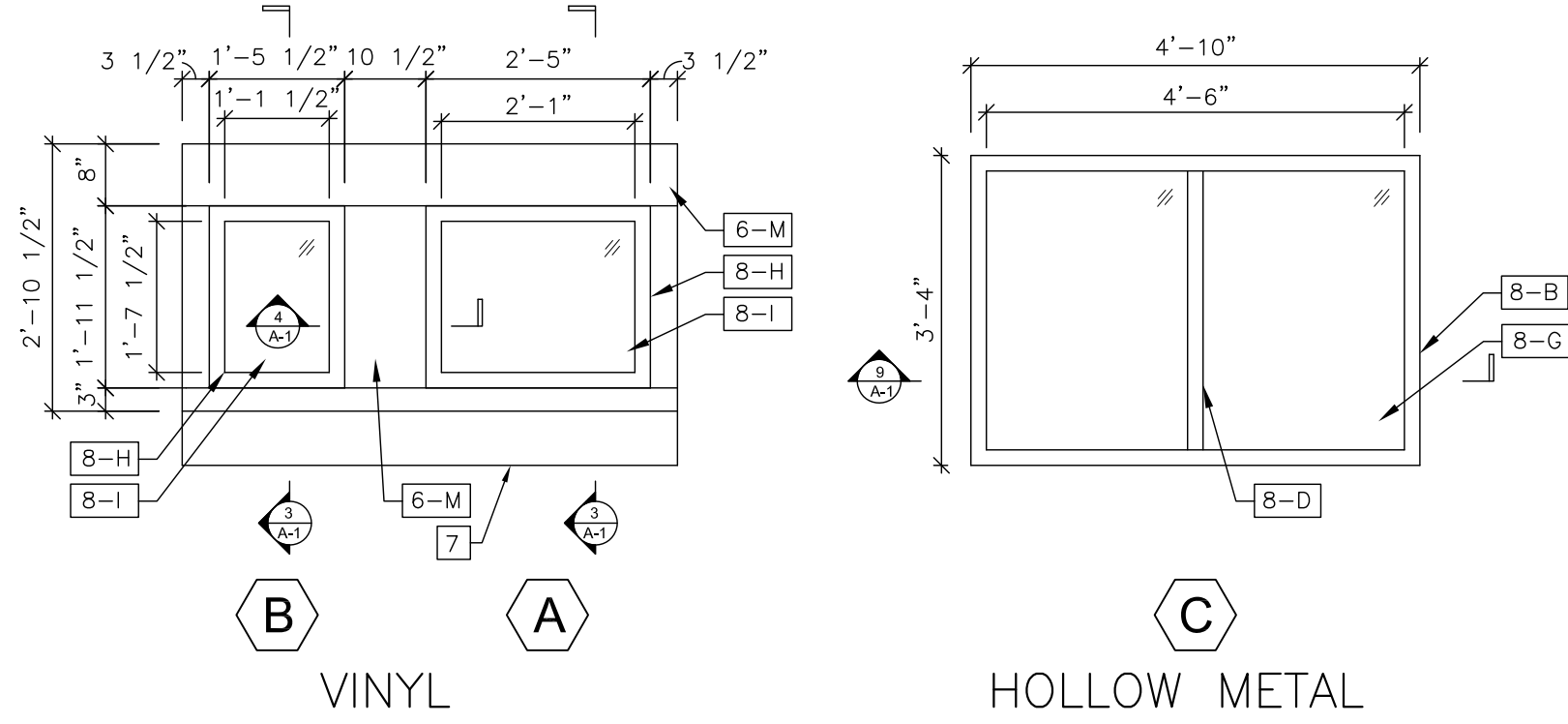


## PENETRATION WALL DETAIL FOR 6" VENT TERMINAL/COMBUSTION AIR INLET

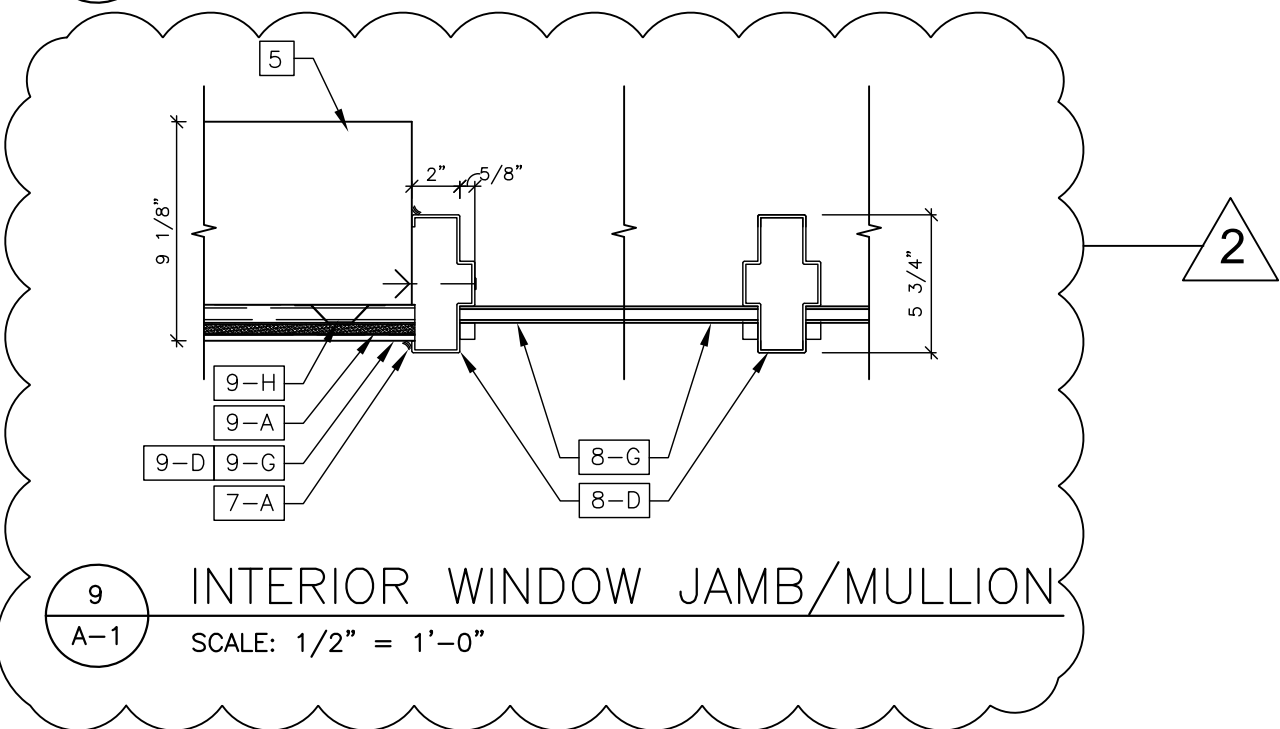
6 REFER TO SHEET M103  
A-1 SCALE: 1- 1/2" = 1'-0"



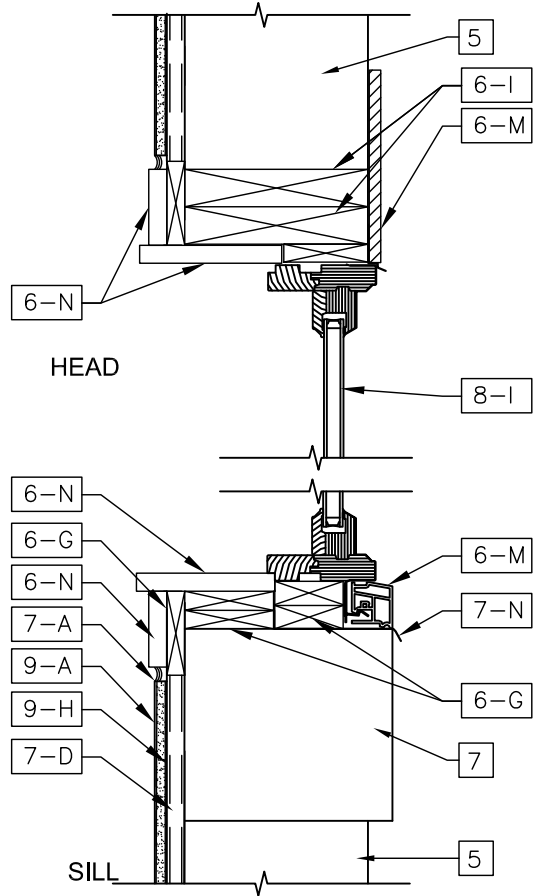
7 NEW LINTEL DETAIL  
A-1 SCALE: 1- 1/2" = 1'-0"



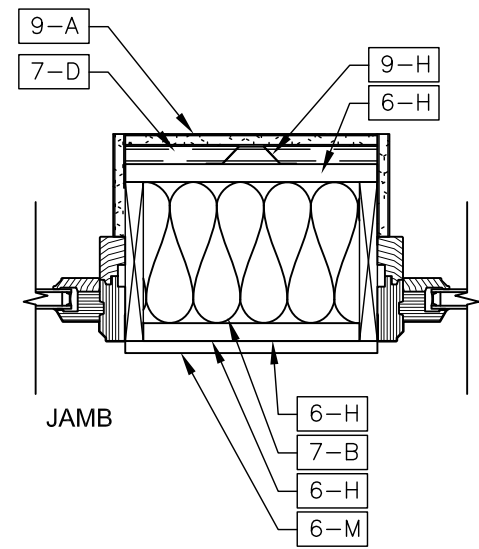
2 WINDOW SCHEDULES  
A-1 SCALE: 1/2" = 1'-0"



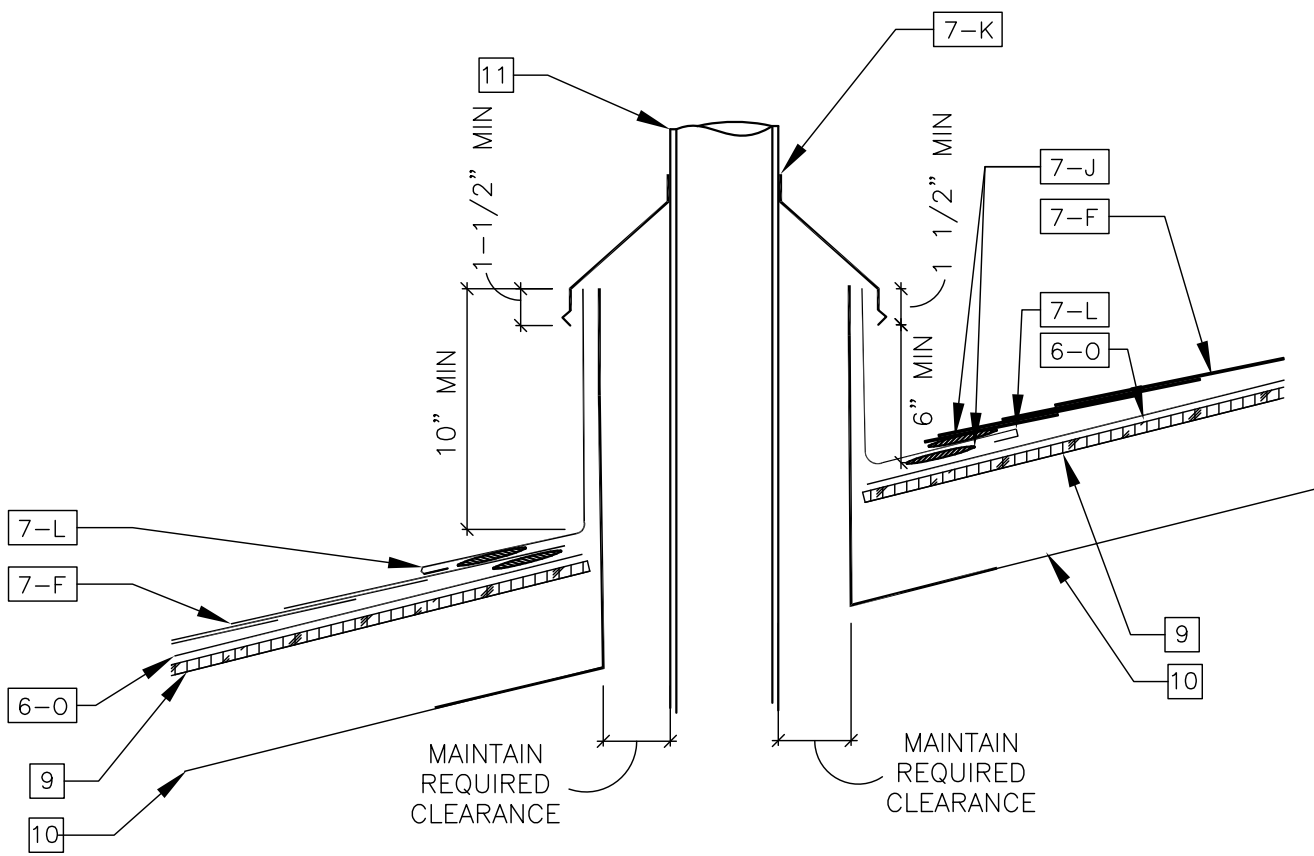
9 INTERIOR WINDOW JAMB/MULLION  
A-1 SCALE: 1/2" = 1'-0"



3 EXTERIOR WINDOW HEAD & SILL  
A-1 SCALE: 1 1/2" = 1'-0"



4 EXTERIOR WINDOW JAMB  
A-1 SCALE: 1 1/2" = 1'-0"



8 SMOKE STACK CHIMNEY FLASHING DETAIL - LOW ROOF  
A-1 REFER TO SHEET M502  
SCALE 1 1/2"=1'-0"

## GENERAL NOTES

- |   |                   |    |  |
|---|-------------------|----|--|
| 5 | EXISTING CMU WALL | 9  | EXISTING PLYWOOD SHEATHING                             |
| 6 | EXISTING FLOOR    | 10 | EXISTING ROOF RAFTERS                                  |
| 7 | EXISTING MASONRY  | 11 | EXISTING CHIMNEY VENT STACK TO BE REMOVED AND REPLACED |

## DRAWING KEYNOTES

- |     |  |     |   |
|-----|--|-----|---|
| 4   | MASONRY  | 7   | THERMAL AND MOISTURE PROTECTION               |
| 4-A | NEW 8" CMU   | 7-A | NEW SEALANT & BACKER ROD                      |
| 4-B | NEW 8"x8" SOLID CONCRETE LINTEL WITH (2)#4 BAR AT THE TOP & (2)#4 BAR AT THE BOTTOM - SEE DETAIL 3/A-1 FOR MORE INFORMATION. PATCH DISTURBED SURFACES TO MATCH EXISTING. | 7-B | NEW BATT INSULATION - TO MATCH WALL THICKNESS |
| 4-C | FILL ALL CMU AT BEARING POINT WITH SOLID WITH GROUT  | 7-C | NEW 1" RIGID INSULATION                       |
|     |  | 7-D | NEW 3/4" RIGID INSULATION                     |
|     |  | 7-E | NEW FIBERGLASS SHINGLES - WEAVE INTO EXISTING |
|     |  | 7-F | NEW ASPHALT ROOF CEMENT                       |
|     |  | 7-G | NEW METAL HOT VENT FLASHING RING AND CLAMP    |
|     |  | 7-H | NEW METAL FLASHING                            |
|     |  | 7-I | NEW 5/8" THICK SEALANT                        |
|     |  | 7-J | NEW WINDOW FLASHING                           |
|     |  | 7-K |   |
|     |  | 7-L |   |
|     |  | 7-M |   |
|     |  | 7-N |   |

- |     |   |
|-----|---|
| 8   | DOORS, WINDOWS, GLASS                   |
| 8-A | NEW EXTERIOR WINDOW TO REPLACE EXISTING |
| 8-B | NEW INTERIOR WINDOW TO REPLACE EXISTING |
| 8-C | NEW HOLLOW METAL DOOR                   |
| 8-D | NEW HOLLOW METAL FRAME                  |
| 8-E | NEW MARBLE THRESHOLD                    |
| 8-F | NEW REDUCER STRIP                       |
| 8-G | NEW 1/4" SAFETY GLASS                   |
| 8-H | NEW VINYL WINDOW                        |
| 8-I | NEW INSULATED GLASS                     |

- |     |                                 |
|-----|---------------------------------|
| 9   | FINISHES                        |
| 9-A | NEW 1/2" GYPSUM WALLBOARD       |
| 9-B | NEW CERAMIC TILE FLOOR          |
| 9-C | NEW 38" HIGH CERAMIC WALL TILE  |
| 9-D | NEW LVT                         |
| 9-E | NEW 38" HIGH FRP WAINSCOTING    |
| 9-F | NEW 3/4" HAT TRACK @ 16" O.C.   |
| 9-G | NEW 2X2 ACOUSTICAL TILE CEILING |
| 9-H | NEW 2 1/2" MTL STUD @ 16" O.C.  |
| 9-I | NEW 2 1/2" MTL STUD @ 16" O.C.  |
| 9-J | NEW 6" MTL STUD @ 16" O.C.      |
| 9-K |                                 |
| 9-L |                                 |

- |      |                                      |
|------|--------------------------------------|
| 23   | HVAC                                 |
| 23-A | NEW CONCENTRIC ADAPTER               |
| 23-B | NEW VENT TERMINATION SUPPORT BRACKET |
| 23-C | NEW VENT CAP                         |



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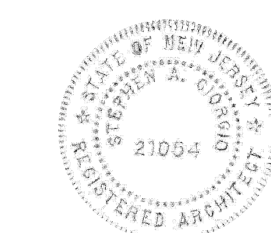
### Architect

Lammy + Giorgio  
Architecture + Design  
215 Highland Ave, Suite B  
Haddon Twp, NJ, 08108  
p.856.833.0010

DS

DocuSigned by:

Stephen Giorgio  
378CFA3B14E44D...



Stephen Giorgio - AIA - 21A102105400

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### Sheet Title

DOOR & WINDOW SCHEDULE & DETAILS

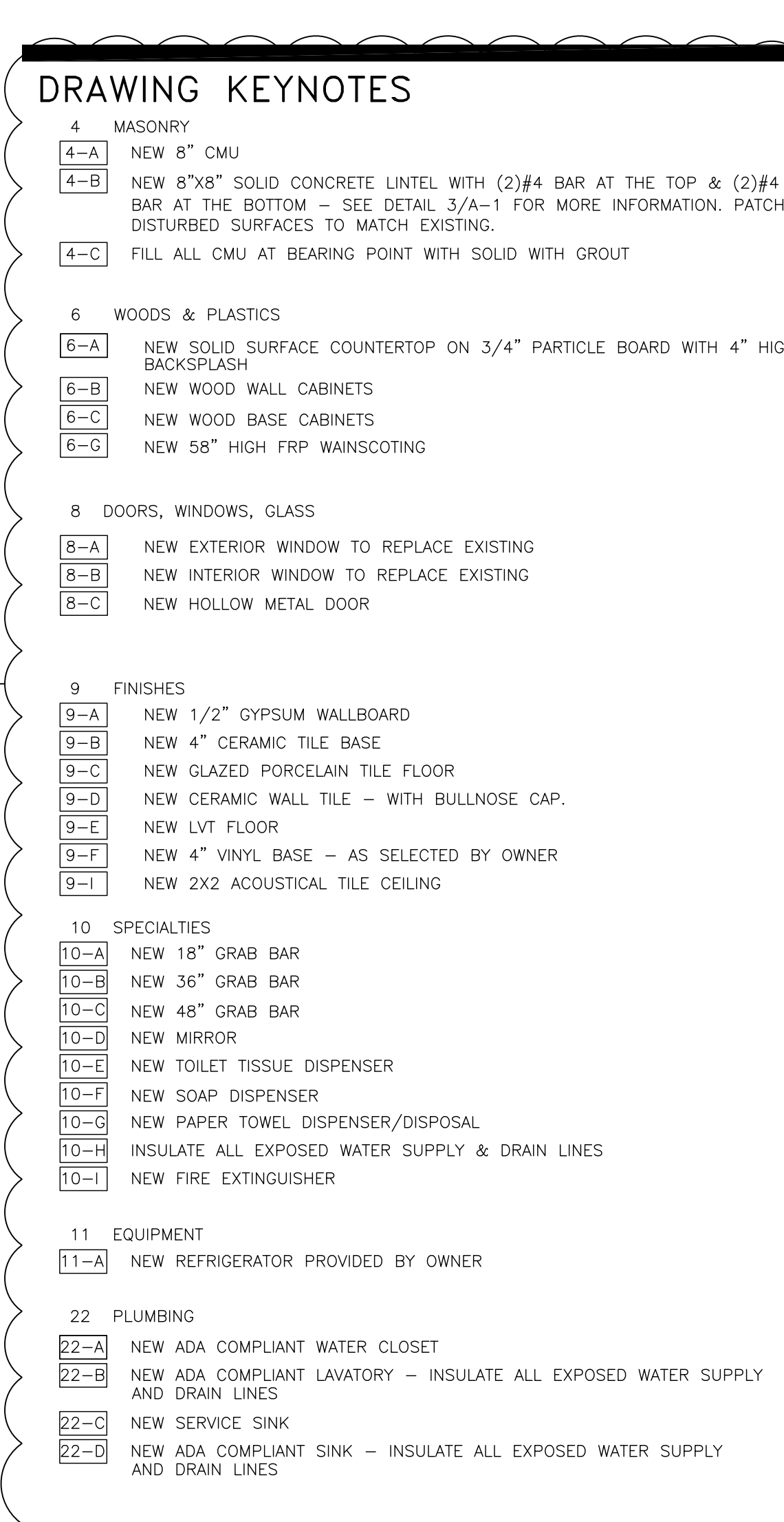
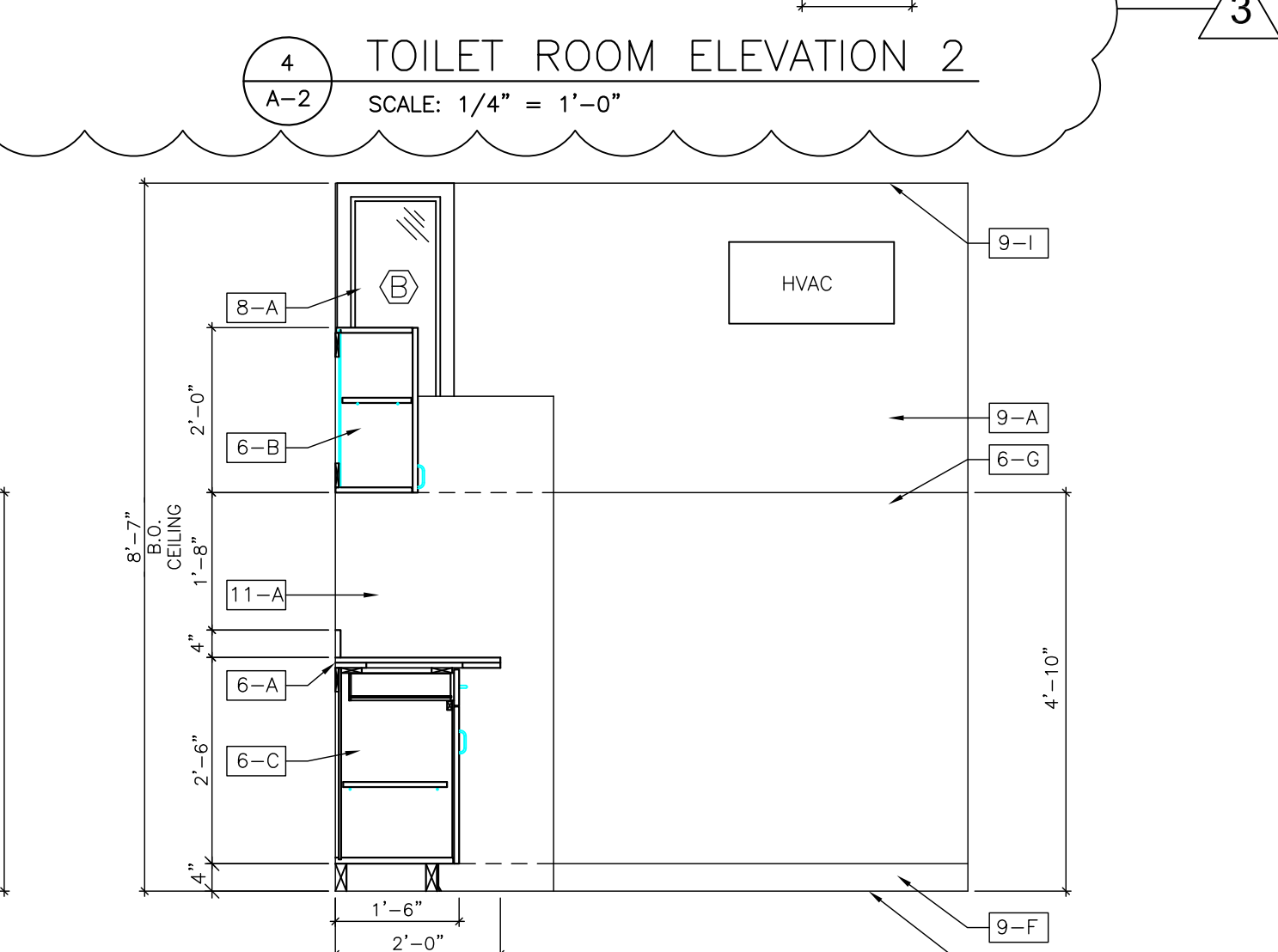
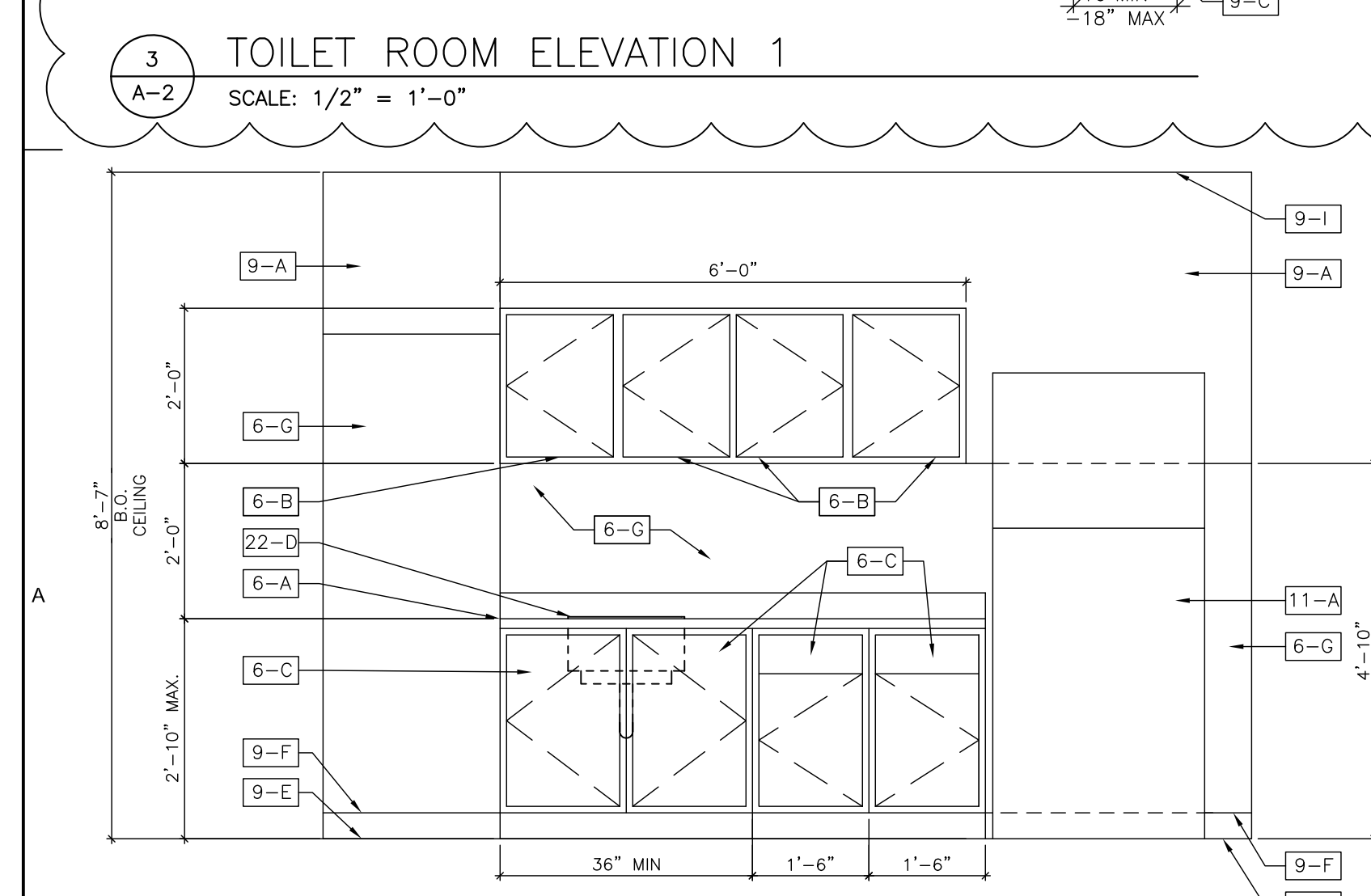
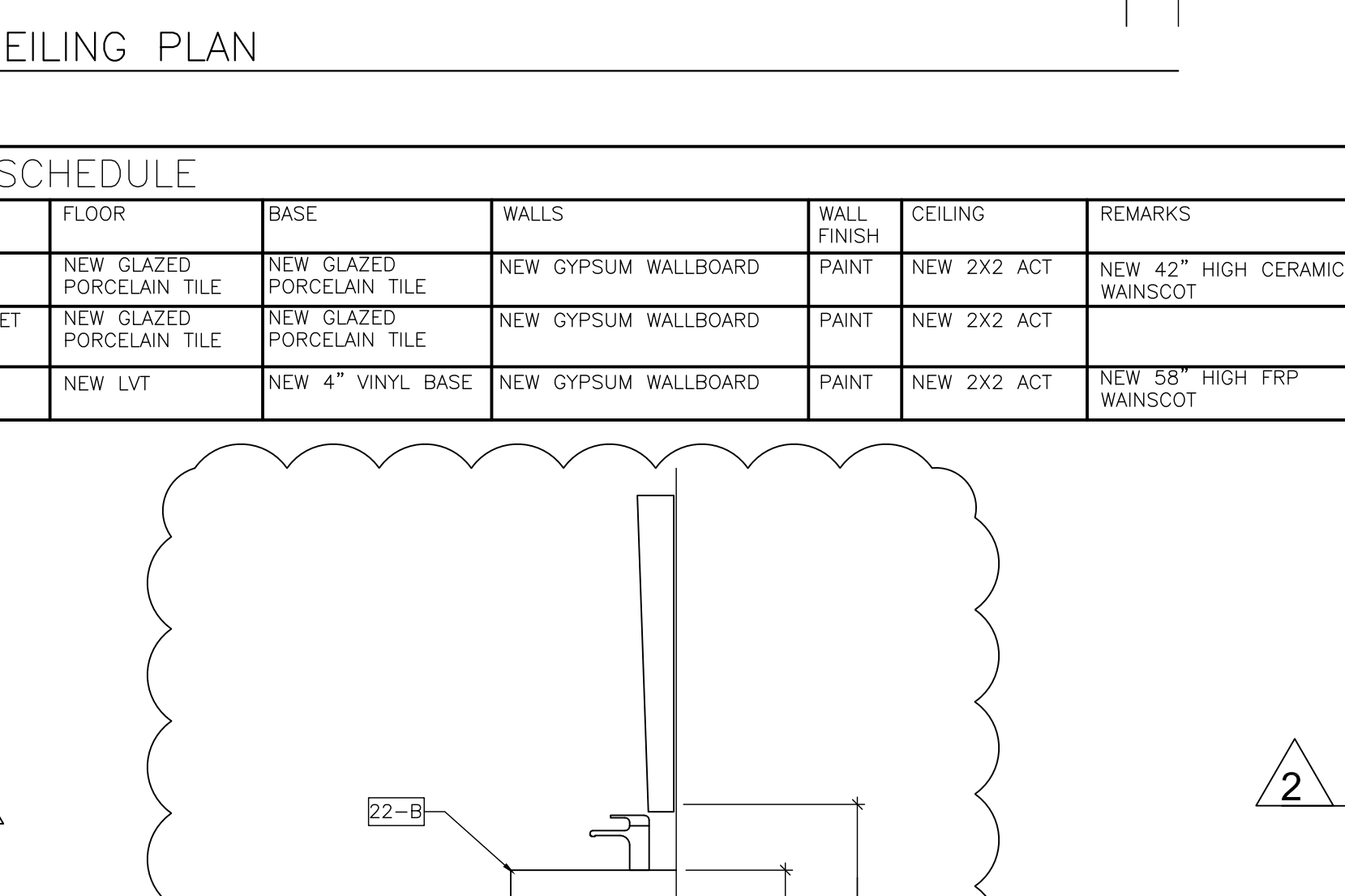
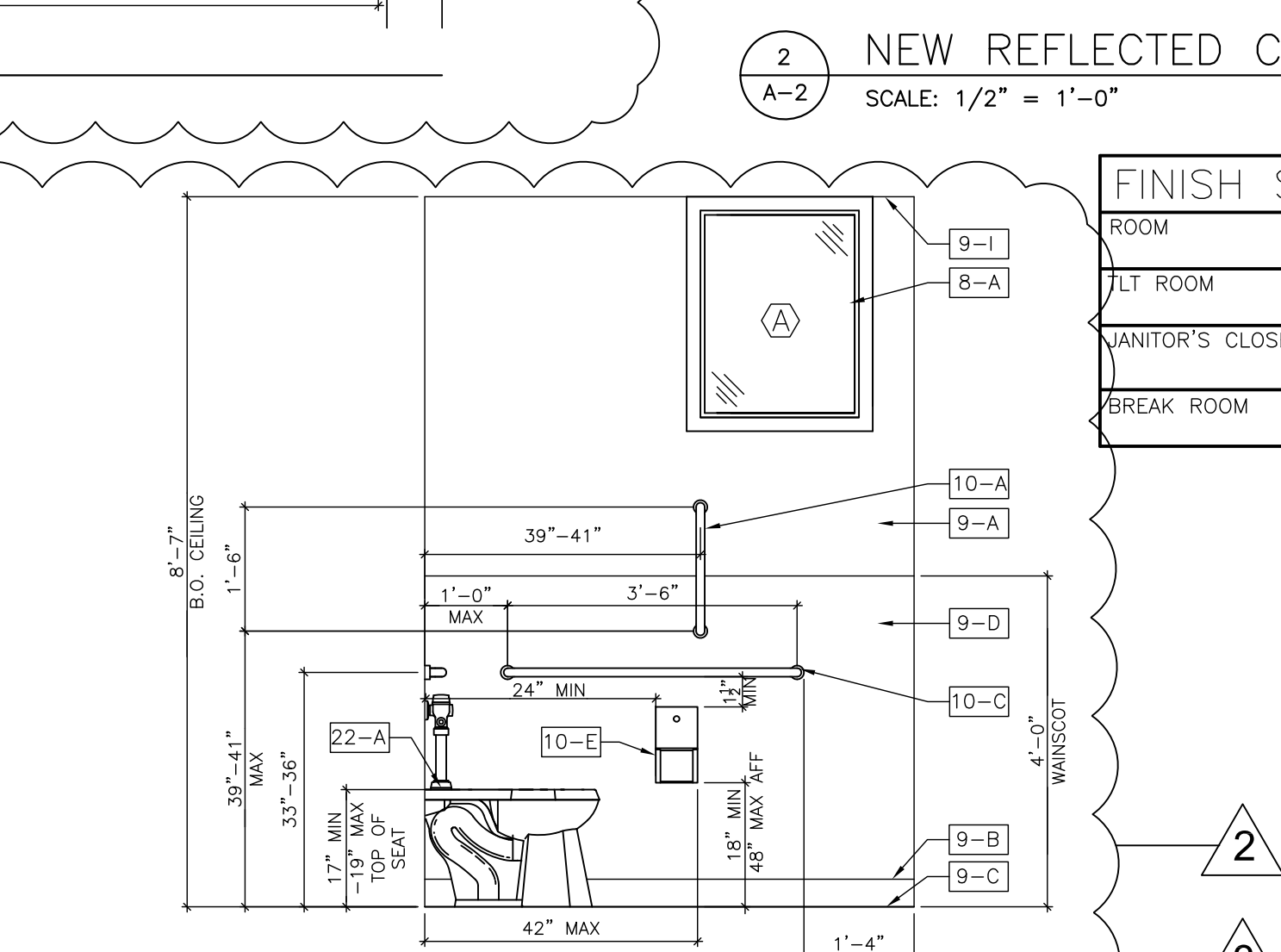
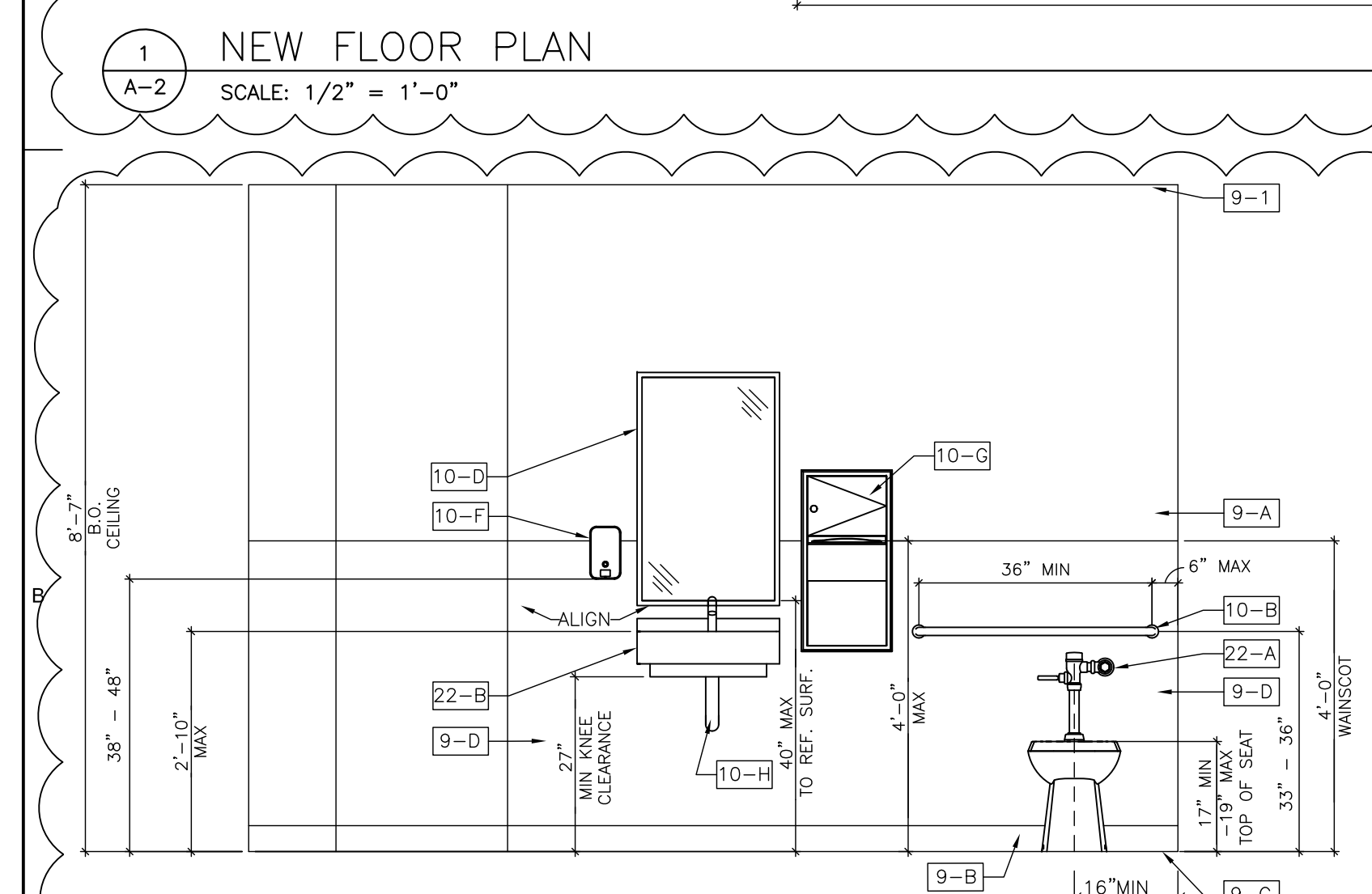
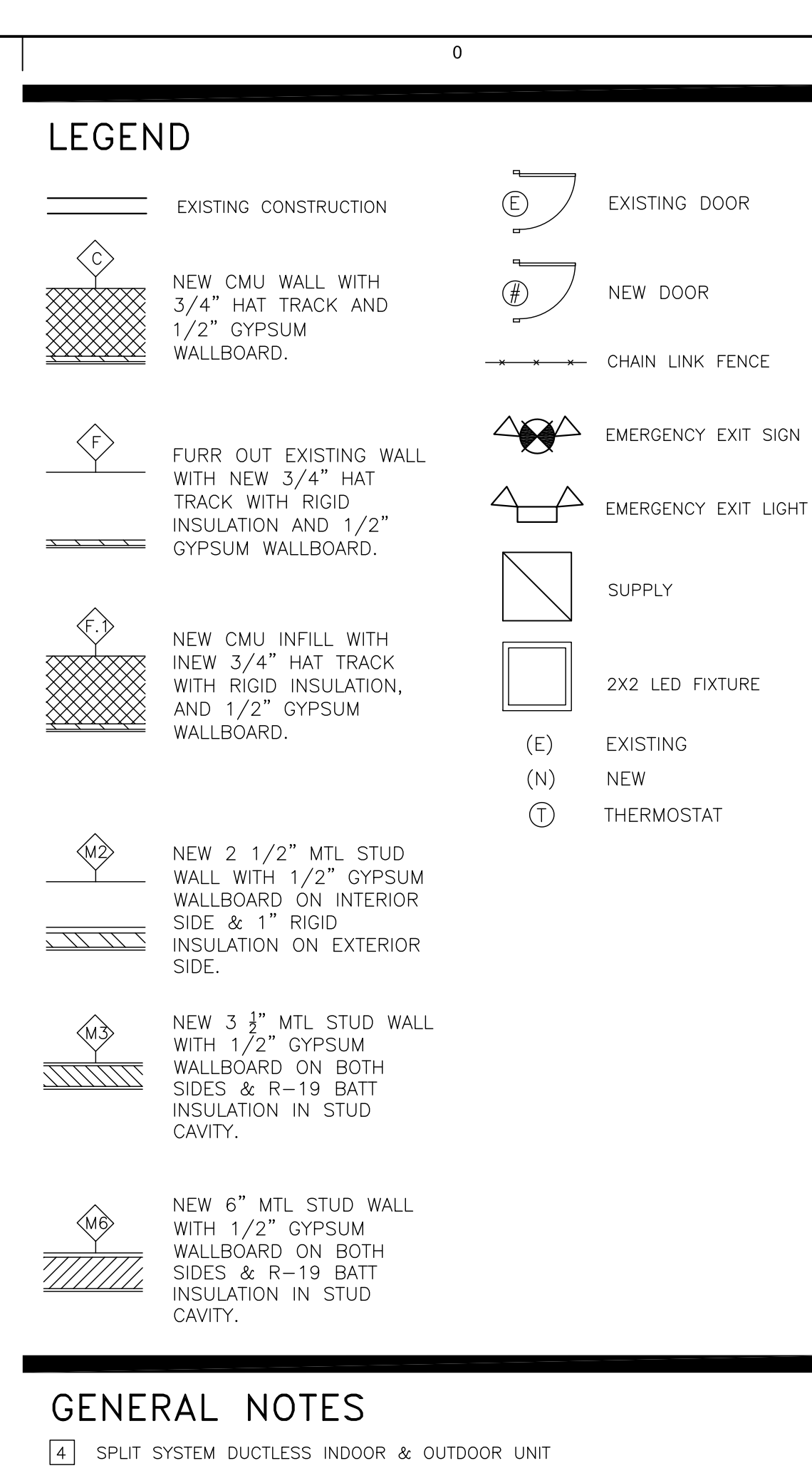
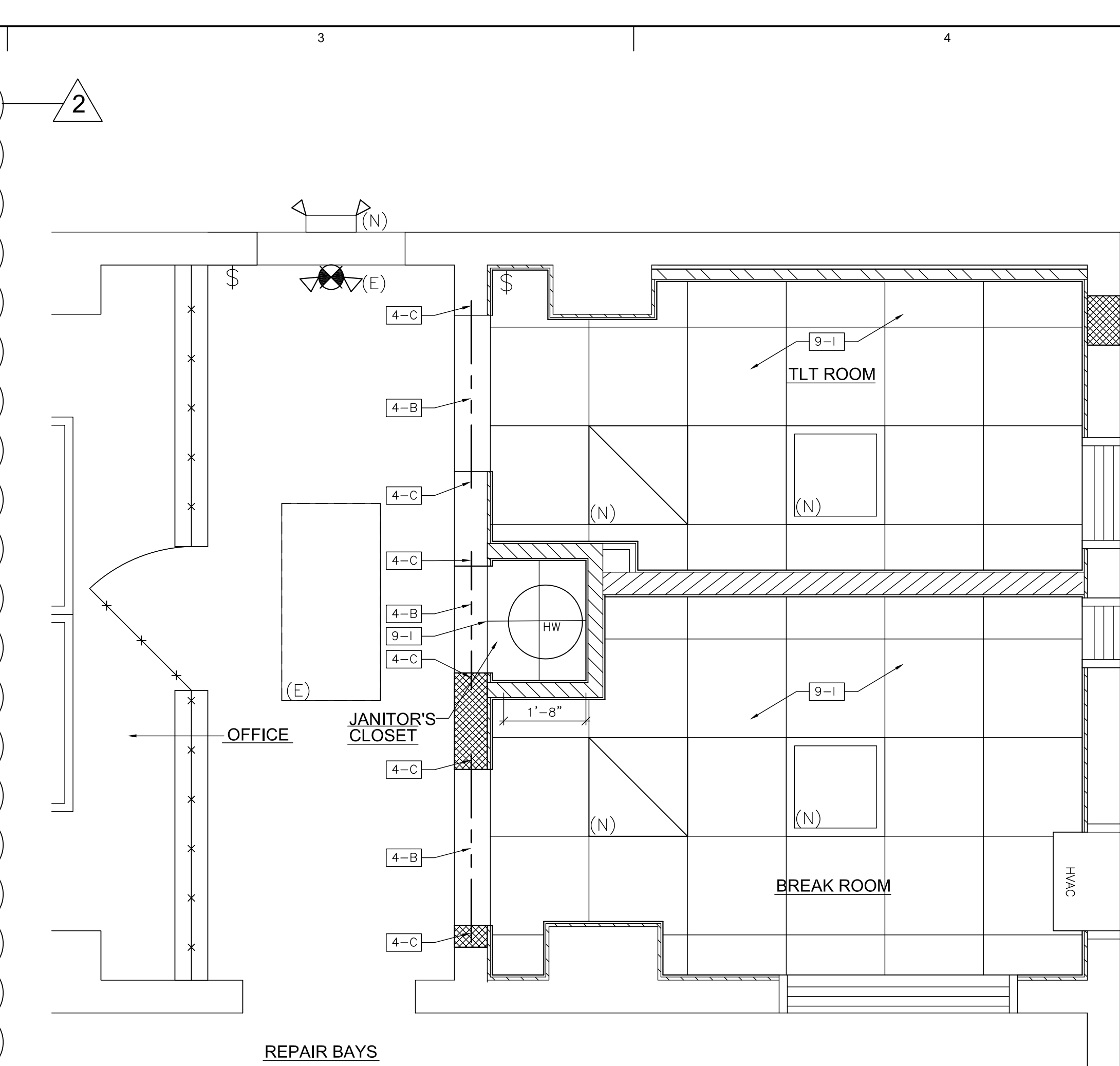
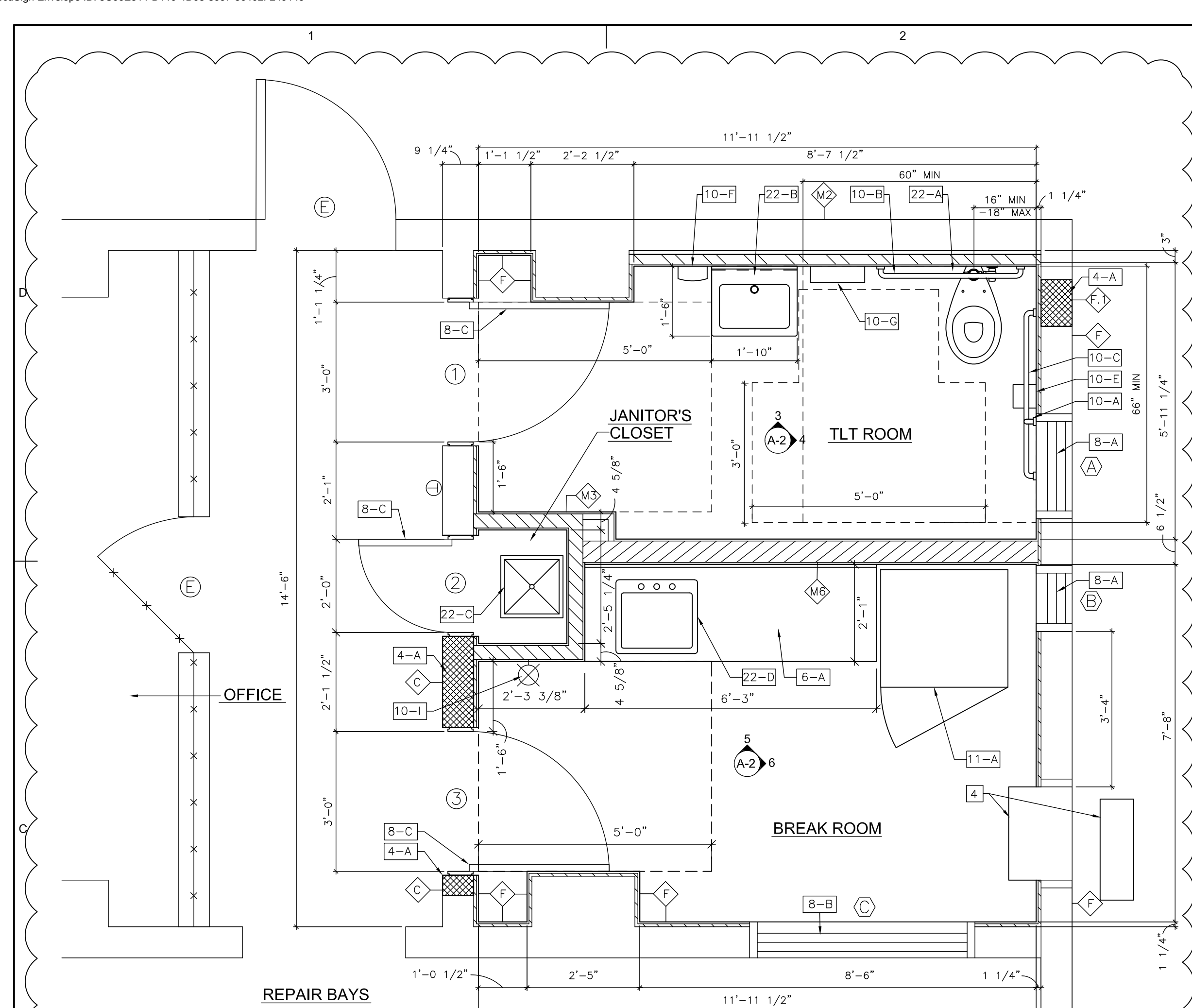
### Sheet No.

A-1

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**Department of Community Affairs**  
**Construction Project Review**  
Project No: 9053-24  
Part. Rel Interior Bldg.  
building review  
Raffaele Persico  
Released: 11/21/2024  
**N.J.S.A. 52:27D-119 ET SEQ., AS AMENDED**

ALTERATIONS TO TREASURY MOTOR POOL

**Location**  
BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

**DPMC Number**  
A1397-00

**Project Number**  
20520.11

**Date**  
11/03/2023

**Architect**  
Lammy + Giorgio  
Architecture + Design  
215 Highland Ave, Suite B  
Haddon Twp, NJ, 08108  
p.856.833.0010

DS

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*Stephen Giorgio*  
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Stephen Giorgio - AIA - 21A02105400

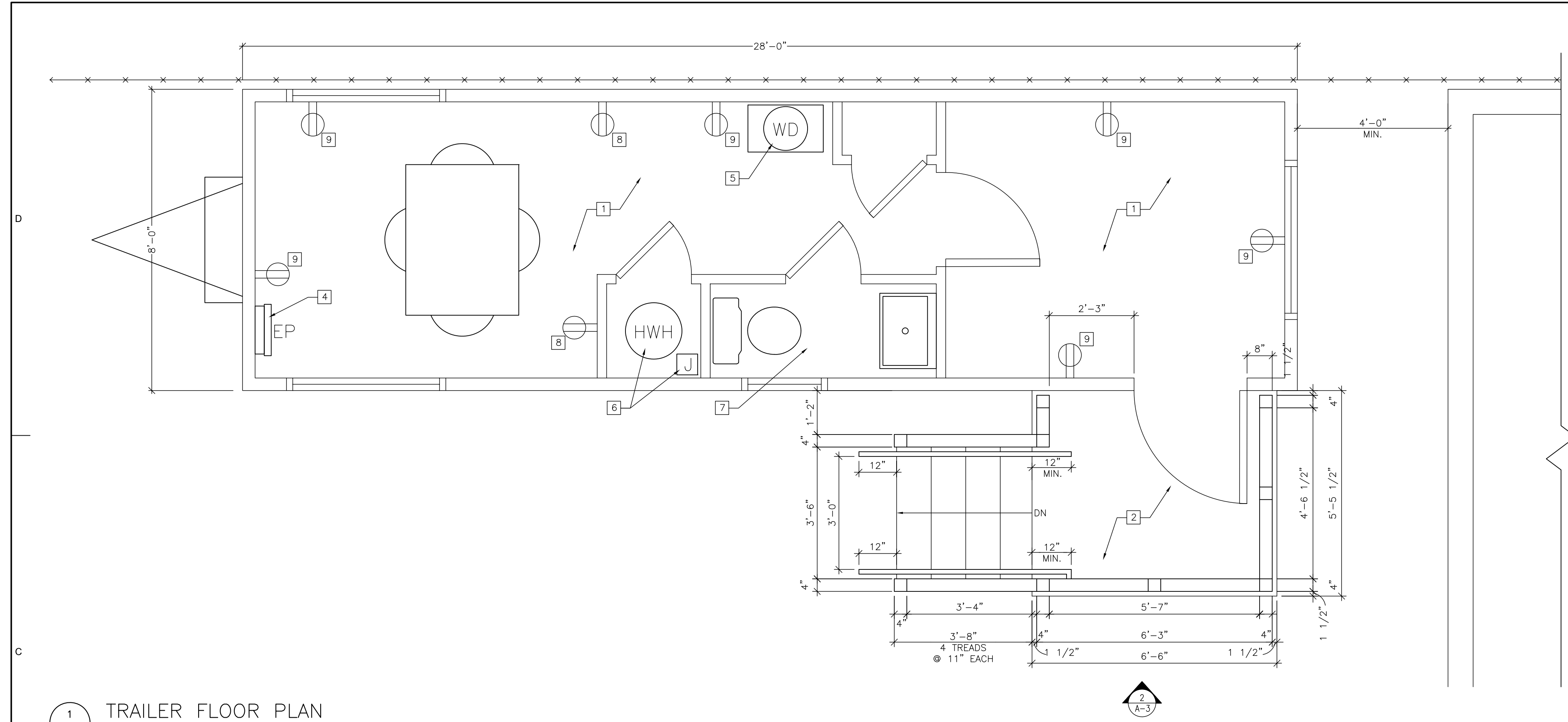
#	Issue/Revision	Date
1	DESIGN DEVELOPMENT	09/07/2023
2	FINAL DESIGN	11/03/2023
3	BUILDING DATA UPDATE	11/2024
4	TRAILER	03/27/2024

**Sheet Title**  
NEW FLOOR PLAN, RCP & INTERIOR ELEVATIONS

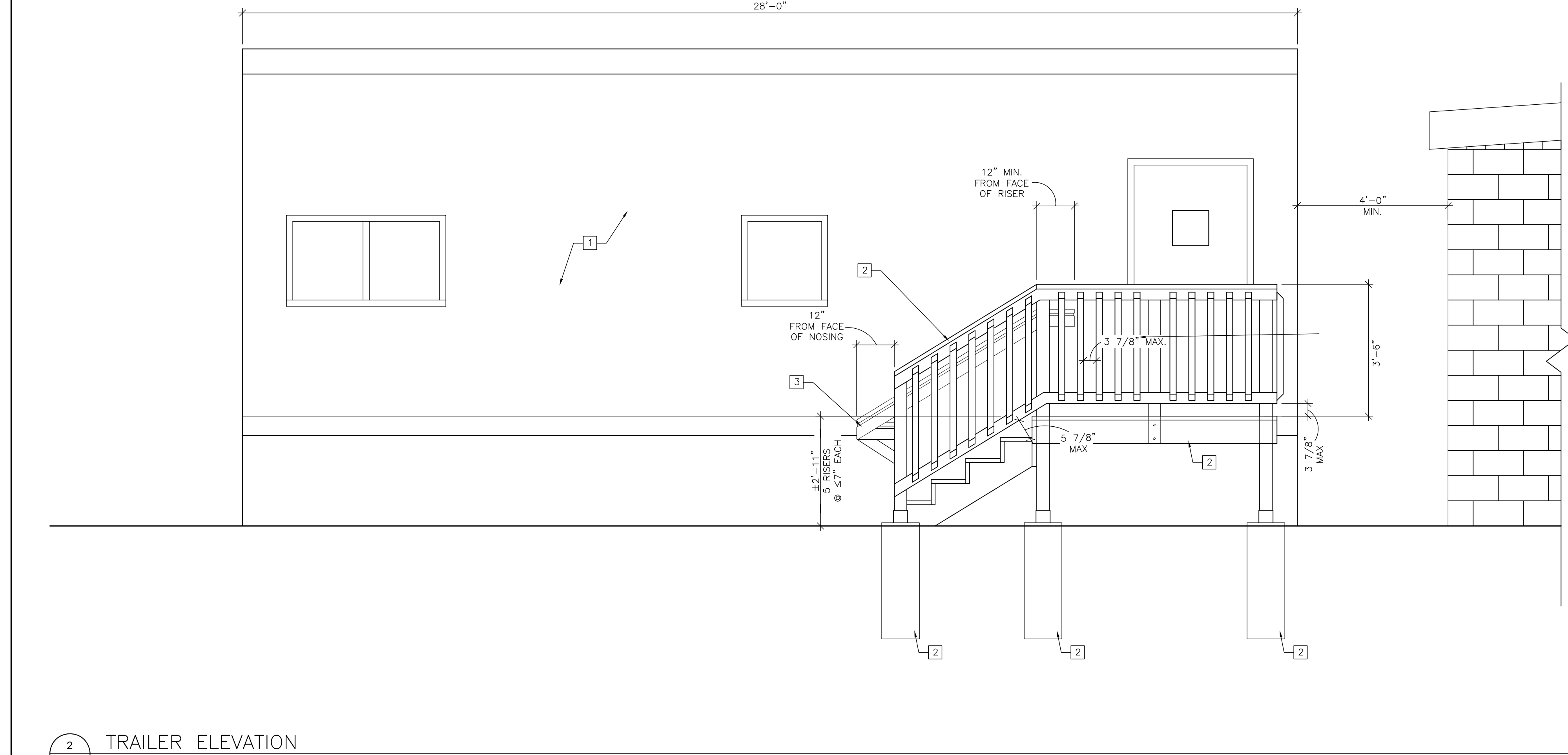
**Sheet No.**  
**A-2**

Sheet 4 of 26  
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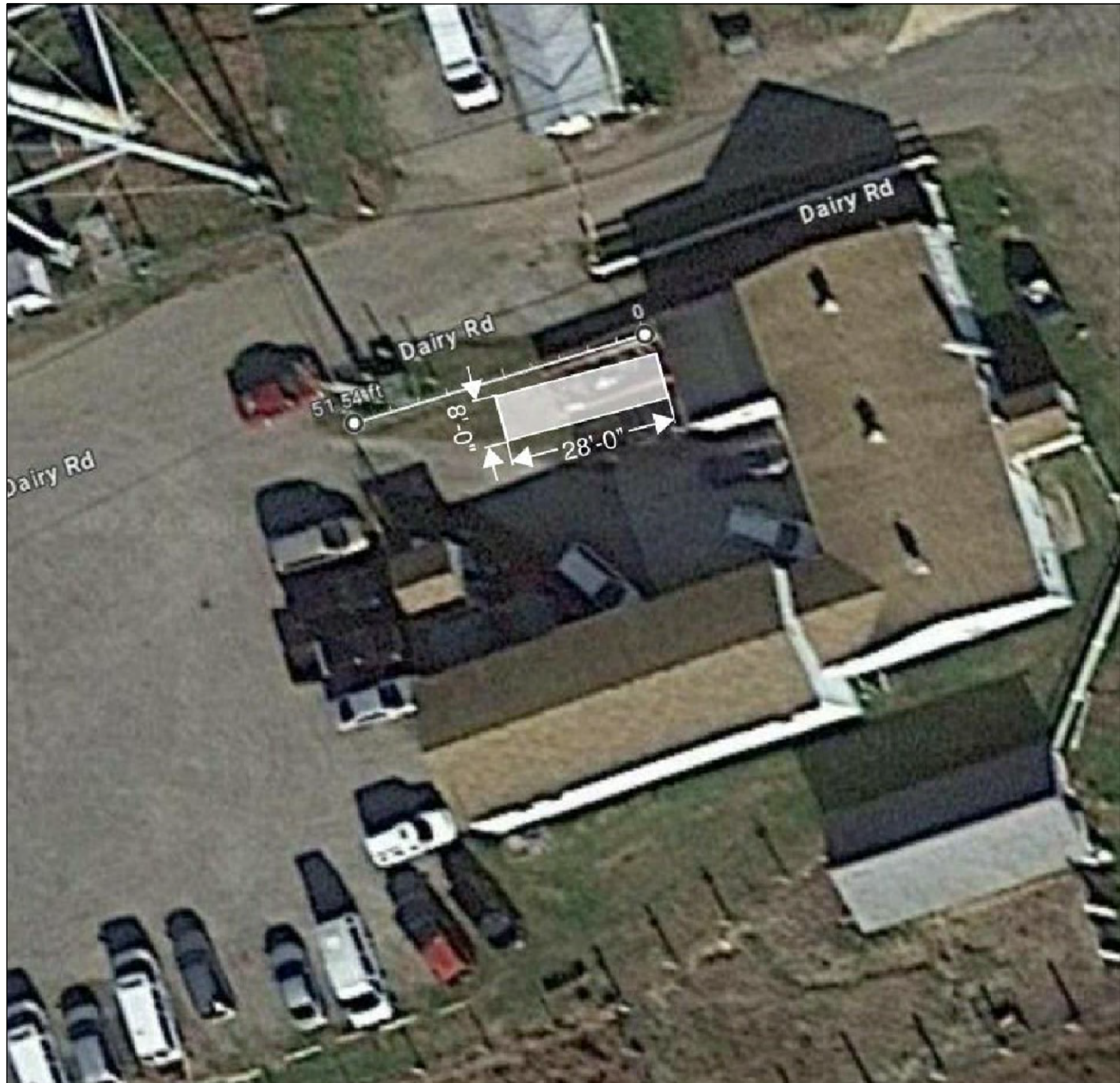
1 TRAILER FLOOR PLAN  
SCALE: 1/2" = 1'-0"



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

### GENERAL NOTES

- 1 NEW TRAILER BY TRAILER MANUFACTURER. - TRAILER, SUBSTRUCTURE, STEPS & LANDING TO BE DESIGNED & CONSTRUCTED BY TRAILER MANUFACTURER.
- 2 LANDING, STEPS, GUARDRAIL, HANDRAIL & STRUCTURE BY TRAILER MANUFACTURER
- 3 RETURN HANDRAIL BACK TO POST
- 4 ELECTRICAL PANEL BY TRAILER MANUFACTURER
- 5 WATER DISPENSER BY OWNER
- 6 HOT WATER HEATER & ELECTRICAL BY TRAILER MANUFACTURER
- 7 TOILET ROOM & PLUMBING BY TRAILER MANUFACTURER
- 8 DEDICATED 20 AMP RECEPTACLE BY TRAILER MANUFACTURER
- 9 CONVENIENCE RECEPTACLE BY TRAILER MANUFACTURER

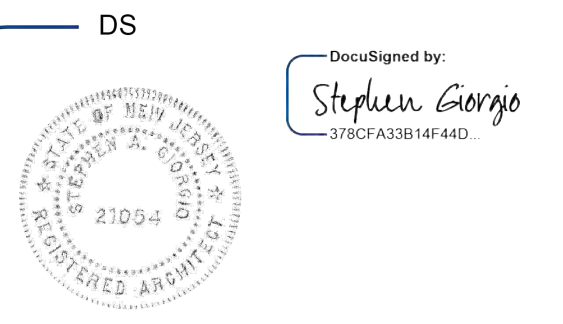


3 SITE PLAN WITH TRAILER  
SCALE: N.T.S.

### ALTERATIONS TO TREASURY MOTOR POOL

<b>Location</b>
BAYSIDE STATE PRISON 4342 NJ-47 MAURICE RIVER, NJ
<b>DPMC Number</b>
A1397-00
<b>Project Number</b>
20520.11
<b>Date</b>
11/03/2023
<b>Architect</b>
Lammy + Giorgio Architecture + Design 215 Highland Ave, Suite B Haddon Twp, NJ, 08108 p.856.833.0010

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3	BUILDING DATA UPDATE	11/2024
4	TRAILER	03/27/2024

**Sheet Title**  
TRAILER FLOOR PLAN & ELEVATION



## ABBREVIATIONS

## DEMOLITION NOTES

## NOTES

ABOVE FINISHED FLOOR	HR	HOURLY
AMPS	HZ	HERTZ
ARCH.	ID	INSIDE DIAMETER
ASME	I.R.I.	IMPROVED RISK INSURERS
B	IN.	INCHES
BDS	IN. WG.	INCHES OF WATER COLUMN GAUGE
BFP	KW	KILOWATT
BFW	L	LENGTH
BLDG.	LBS	POUNDS
BO	LWCO	LOW WATER CUTOFF
BOD	LWT	LEAVING WATER TEMPERATURE
BOE	MAX.	MAXIMUM
BOP	MBH	THOUSAND BTU PER HOUR
BTU	MCA	MINIMUM CIRCUIT AMPERES
BTUH	MEP	MANUFACTURING EXTENSION PARTNERSHIP
CFH	MIN.	MINIMUM
CFM	NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
CHF	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CHT	N.I.C.	NOT IN CONTRACT
CONT.	NPW	NON-POTABLE WATER
CR	NTS	NOT TO SCALE
CSD	NYC	NEW YORK CITY
CU	OD	OUTSIDE DIAMETER
CU. FT.	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
CVP	PH	PHASE
CW	POC	PROOF OF CLOSURE
D	PPM	PARTS PER MILLION
DB	PSI	POUNDS PER SQUARE INCH
DCW	PSIG	POUNDS PER SQUARE INCH, GAUGE
DEP	PVC	POLYVINYL CHLORIDE
DIA.	QTY	QUANTITY
DN.	R	CAST IRON RADIATOR
DWG(S)	RM.	ROOM
(E)	RPM	REVOLUTIONS PER MINUTE
EA.	SF	SUPPLY FAN
EAT	SQ. FT.	SQUARE FEET
EDR	T	STEAM TRAP
EG	TEFC	TOTALLY ENCLOSED, FAN-COOLED
ESP	TYP.	TYPICAL
EUH	UH	UNIT HEATER
EWT	UL	UNDERWRITERS' LABORATORIES
*F	V	VOLT
FC	W	WIDTH
FL.	W/	WITH
FLA		
FM		
FT		
FT. WG.		
GA		
GAL		
GE-GAP		
GPH		
GPM		
H		
HP		

1. PRIOR TO STARTING OF DEMOLITION, FIELD VERIFY LOCATION AND SIZES OF ALL EXISTING PIPING THAT SHOULD BE DISCONNECTED, CAPPED, REMOVED OR ABANDONED INSPECT AREAS IN WHICH WORK WILL BE PERFORMED. NOTE EXISTING CONDITIONS OF STRUCTURE SURFACES, EQUIPMENT, OR SURROUNDING PROPERTY THAT COULD BE MISCONSTRUED AS DAMAGED RESULTING FROM SELECTIVE DEMOLITION WORK; FILE WITH OWNER PRIOR TO STARTING WORK.
2. UNLESS OTHERWISE NOTED OR INDICATED, ALL EXISTING EQUIPMENT, PIPING, DUCTWORK AND ACCESSORIES ARE TO REMAIN.
3. THE OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF ITEMS OR STRUCTURES TO BE DEMOLISHED OR REMOVED.
4. THE CONTRACTOR SHALL MAKE CONTINUOUS OBSERVATIONS OF THE EXISTING STRUCTURE DURING THE PERFORMANCE OF THE WORK AND SHALL NOTIFY THE ARCHITECT & ENGINEER OF ANY CRACKS, DEFLECTIONS, ETC. THAT MAY REQUIRE FURTHER INVESTIGATION.
5. ALL DEMOLITION ACTIVITIES, CUTTING AND PATCHING REQUIRED IN CONNECTION WITH THE WORK SHALL BE PERFORMED BY MECHANICS OF THE SPECIFIC TRADE INVOLVED AND AS REQUIRED TO EXECUTE EACH LINE OF WORK. ALL PATCHING SHALL BE FINISHED TO MATCH ADJACENT SURFACES EITHER NEW OR EXISTING TO REMAIN.
6. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH WALKS AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
7. PROVIDE BARRICADES, WARNING SIGNS AND LIGHTS AT OPENINGS AND OTHER AREAS HAZARDOUS TO PEDESTRIANS AND TRAFFIC. KEEP CONSTRUCTION DEBRIS CLEAR OF TRAFFIC AREAS.
8. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE REGULATIONS AND GUIDELINES SET FORTH BY ALL AGENCIES HAVING JURISDICTION OVER THE WORK.
9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
10. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING ITEMS TO REMAIN AND SHALL REPAIR AND/OR REPLACE ANY ITEM DAMAGED DURING THE COURSE OF WORK TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
11. ALL DEMOLITION MATERIALS AND DEBRIS SHALL BE LEGALLY DISPOSED OF OFF THE OWNER'S PROPERTY AT NO ADDITIONAL COST TO THE OWNER.
12. ANY EXISTING CONSTRUCTION THAT IS TO REMAIN IN PLACE IF DAMAGED DURING PERFORMANCE OF WORK UNDER THIS CONTRACT SHALL BE RESTORED TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER AND AT THE CONTRACTOR'S SOLE EXPENSE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCALIZED DEMO / CORING OF EXISTING MASONRY WALLS, CONCRETE FLOORS, AND PLASTER CEILINGS FOR THE INSTALLATION OF ALL INFRASTRUCTURE, INCLUDING BUT NOT LIMITED TO, DUCTWORK, PIPING, EQUIPMENT, CONDUITS FOR CONTROLS, ETC.

1. ALL WORK, MATERIALS AND WORKMANSHIP SHALL BE PERFORMED IN STRICT ACCORDANCE WITH, AND SHALL CONFORM WITH ALL FEDERAL, STATE AND LOCAL CODES, ORDINANCES, RULES AND REGULATIONS, SPECIFICATIONS AND RECOMMENDED PRACTICES OF THE MANUFACTURERS AND THE APPROPRIATE APPLICABLE STANDARDS. WHERE SUCH CODES, RULES AND REGULATIONS ARE AT VARIANCE WITH THE PLANS AND NOTES, SAID CODES, RULES AND REGULATIONS, ETC. SHALL TAKE PRECEDENCE OVER THE PLANS AND NOTES.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND REGULATIONS AND SHALL PAY FOR AND OBTAIN ALL NECESSARY AND REQUIRED INSPECTIONS, APPROVALS AND PERMITS, NECESSARY TO PERFORM ALL WORK AND SERVICES HEREIN NOTED OR INDICATED ON THE DRAWINGS.
3. THE CONTRACTOR SHALL FULLY INFORM HIMSELF OF THE CONDITIONS RELATING TO THE CONSTRUCTION AND LABOR UNDER WHICH THE WORK WILL BE PERFORMED AND COMPARE THE DRAWINGS AND SPECIFICATIONS WITH THE WORK IN PLACE. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO FURNISH ALL LABOR AND MATERIALS NECESSARY TO CARRY OUT THE PROVISIONS OF THE CONTRACT DOCUMENTS AND TO COMPLETE THE CONTEMPLATED WORK FOR THE CONSIDERATION SET FORTH IN HIS BID. CONTRACTOR, IN THE CARRYING OUT OF HIS WORK, SHALL EMPLOY SUCH METHODS OR MEANS THAT WILL NOT CAUSE ANY INTERRUPTIONS OR INTERFERENCE WITHIN THE WORK OF ANY OTHER.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND PROPOSED PIPE CONNECTIONS AT THE JOB SITE AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING CONSTRUCTION. COMMENCEMENT OF THE WORK BY THE CONTRACTOR SHALL IMPLY HIS ACCEPTANCE OF ALL CONDITIONS.
5. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED ON THE DRAWINGS.
6. DUE TO THE SMALL SCALE OF THE DRAWINGS THE PIPING SHOWN IS DIAGRAMMATIC. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS TO AVOID CONFLICTS WITH STRUCTURAL ELEMENTS, LIGHTING FIXTURES, PLUMBING, ETC.
7. ALL WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE NOISE, DUST, OR DISTURBANCE TO OCCUPANTS IN ADJACENT SITES OR BUILDINGS.
8. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR THE GENERAL PUBLIC AND CONSTRUCTION WORKERS IN AND AROUND THE CONSTRUCTION SITE.
9. THE CONSTRUCTION AREA SHALL BE THOROUGHLY CLEANED PRIOR, DURING AND AFTER THE CONSTRUCTION.
10. SUBMITTALS SHALL BE IN COMPLIANCE WITH CONTRACT REQUIREMENTS AND ACTUAL FIELD CONDITIONS.
11. DETAILS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. DETAILS NOTED "TYP." IMPLY ALL CONDITIONS TREATED SIMILARLY.
12. THE CONTRACTOR SHALL FIRE STOP ALL PENETRATIONS AND ALL FIRE RATED WALL ASSEMBLIES.
13. THE CONTRACTOR SHALL COORDINATE PLACEMENT OF ALL DUCTWORK AND WATER PIPING (HVAC, HOT WATER, ETC.) WITH ELECTRICAL COMPONENTS.
  - A. IN NO CIRCUMSTANCE SHALL WATER PIPING BE RUN OVER TOP OF OR WITHIN THREE FEET LATEROALLY FROM ELECTRICAL PANELS, TRANSFORMERS, SWITCHES, DISCONNECTS AND SIMILAR DEVICES. USE OF DRIP PANS AS AN ALTERNATIVE IS NOT ACCEPTABLE PRACTICE
  - B. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN THE DEDICATED ELECTRICAL SPACE WHICH IS EQUAL TO THE WIDTH AND DEPTH OF THE ELECTRICAL EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 6 FEET ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER.
  - C. NO PIPING, CONDUIT OR STRUCTURAL WORK SHALL BE INSTALLED IN OR THROUGH ANY DUCTWORK.
14. PROVIDE TAGS FOR ALL EQUIPMENT, CONTROLS, ETC.
15. WHEN PIPES, DUCTS AND OTHER HANGING ITEMS ARE SUPPORTED FROM THE STRUCTURAL ELEMENTS, THE CONTRACTOR SHALL PROVIDE THE MISCELLANEOUS STEEL NECESSARY TO SUPPORT PIPING, DUCTWORK AND MECHANICAL EQUIPMENT.
17. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SCAFFOLDS AND TEMPORARY PLATFORMS AS REQUIRED TO PERFORM ALL WORK.

### Location

BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

**C Number**  
A1397-00

Project Number  
20520.11

Date  
11/03/2023

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1	DESIGN DEVELOPMENT	09/07/2023
2	FINAL DESIGN	11/03/2023
3	BUILDING DATA UPDATE	--/--/2024
4	TRAILER	03/27/2024

## MECHANICAL SYMBOLS, LEGEND AND ABBREVIATIONS

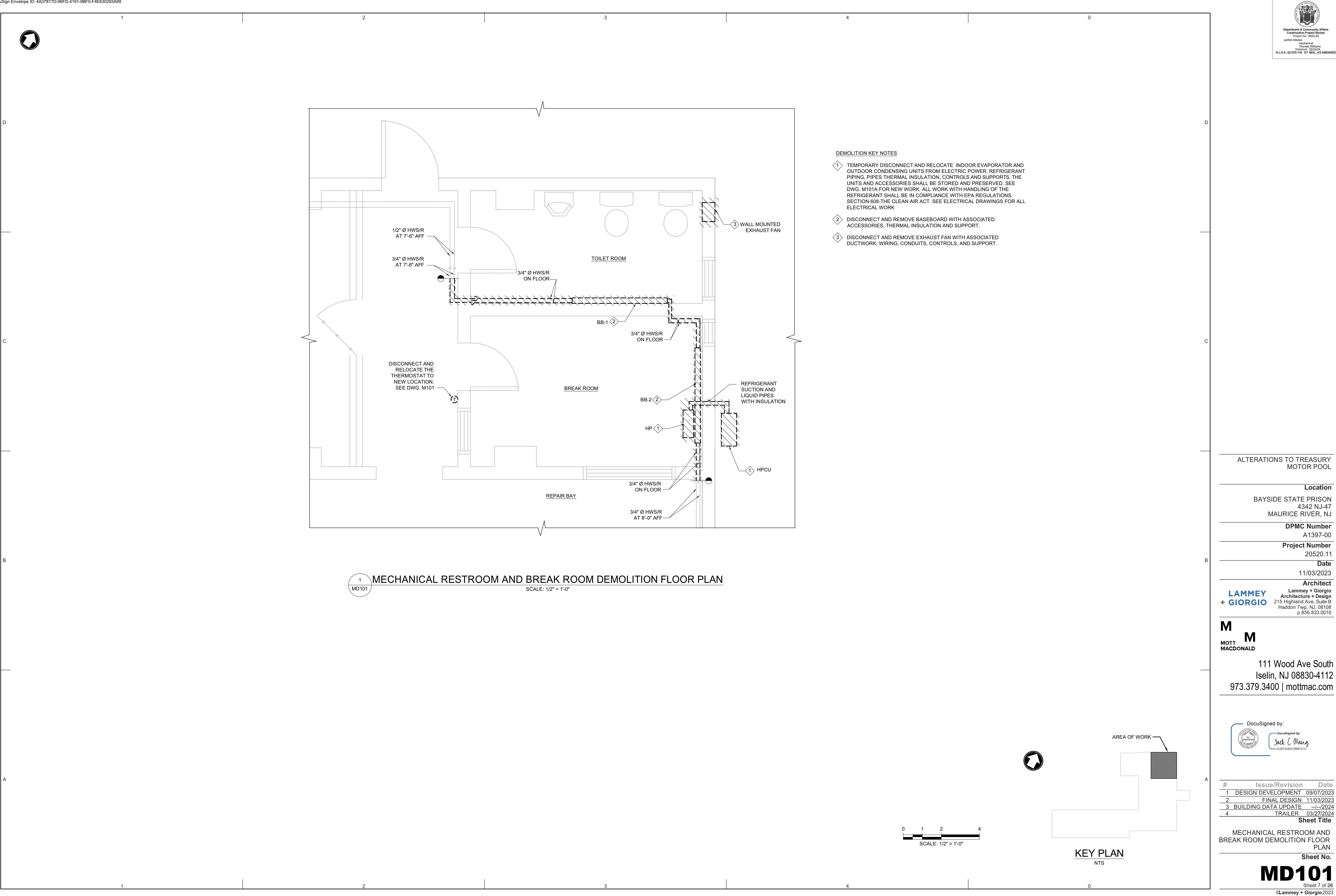
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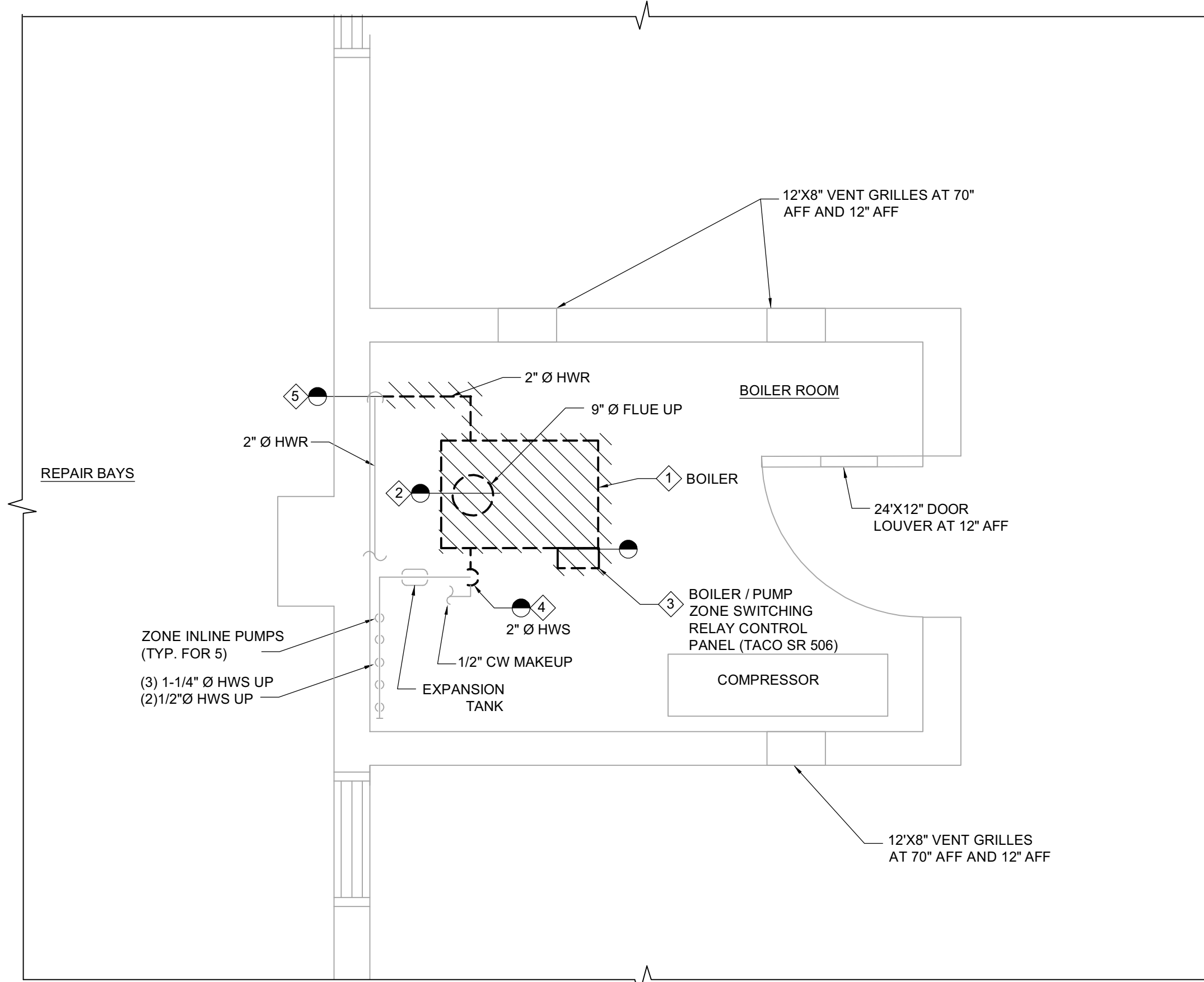
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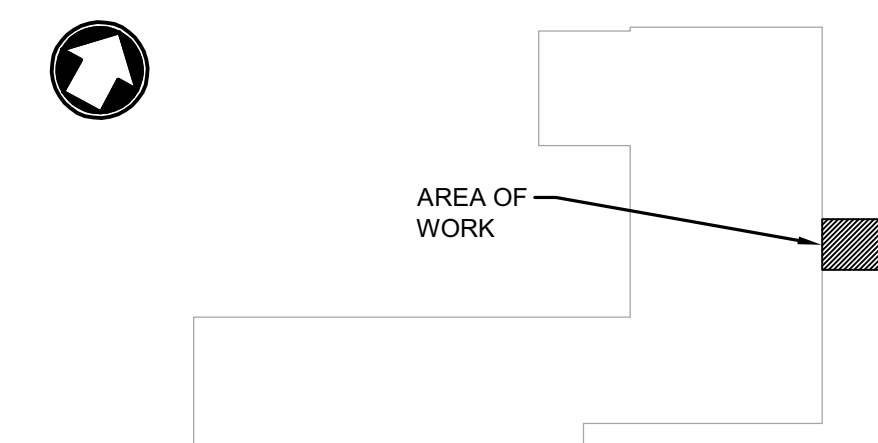






- ### DEMOLITION KEY NOTES
- 1 DISCONNECT AND REMOVE BOILER WITH ASSOCIATED PIPING, PIPE HANGERS, PIPE INSULATION, VALVES, WIRING, CONDUITS, AND CONTROLS.
  - 2 DISCONNECT AND REMOVE BOILER'S DRAFT HOOD, 9" DIA. FLUE AND ASSOCIATED ACCESSORIES.
  - 3 DISCONNECT AND REMOVE BOILER / PUMP ZONE CONTROL PANEL (TACO SR 504) WHICH IS MOUNTED AT THE BOILER.
  - 4 DISCONNECT AND REMOVE 2" Ø SUPPLY HOT WATER PIPE AT 2'-0" AFF.
  - 5 DISCONNECT AND REMOVE 2" Ø RETURN HOT WATER PIPE AT 1'-0" AFF.

1 MECHANICAL BOILER ROOM DEMOLITION FLOOR PLAN  
MD102 SCALE: 1/2" = 1'-0"



## KEY PLAN



## ALTERATIONS TO TREASURY MOTOR POOL

---

**Location**

BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

**DPMC Number**  
A1397-00

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11/03/2023

Architect

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R 03/27/2024

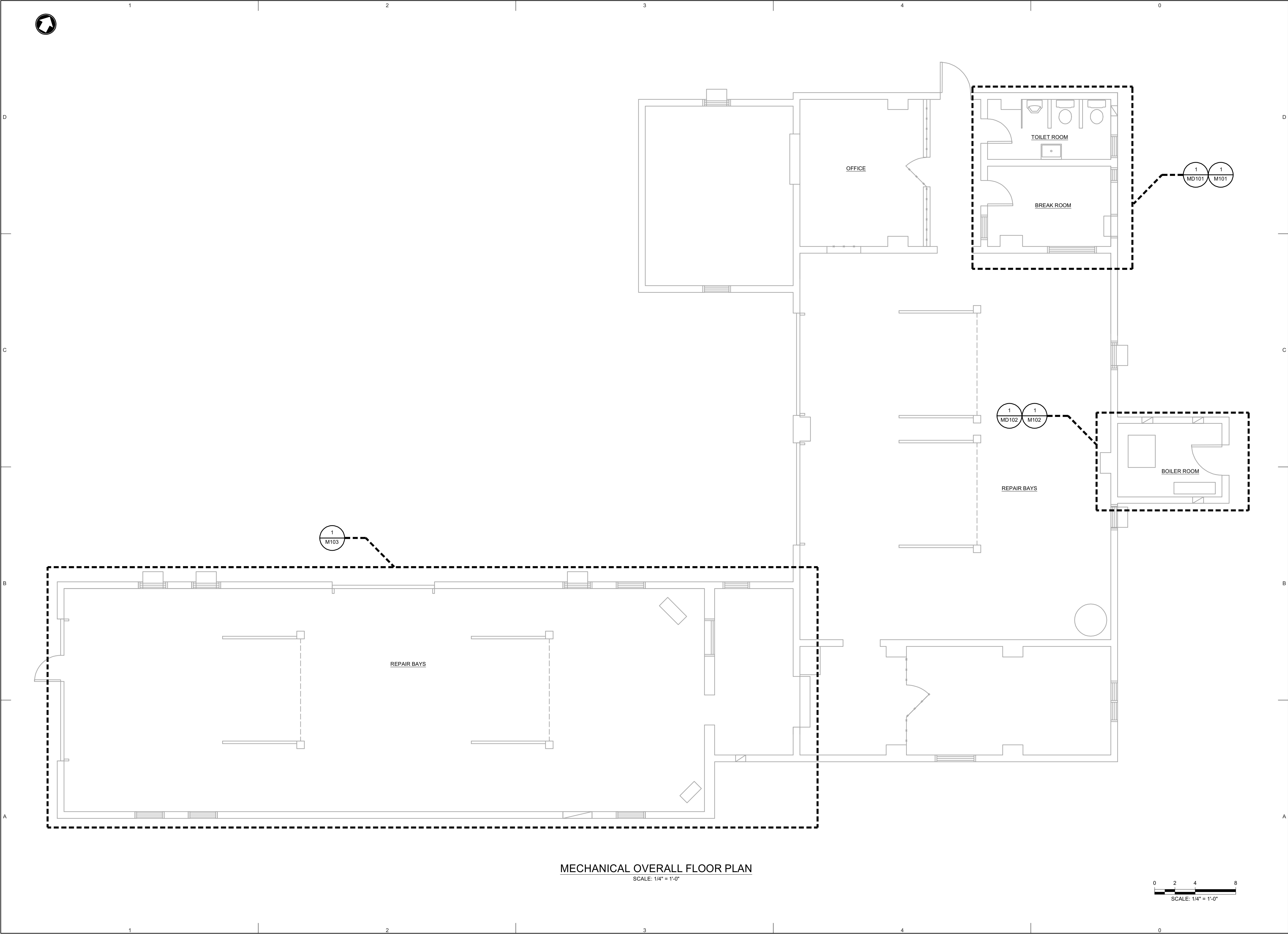
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MECHANICAL BOILER ROOM  
DEMOLITION FLOOR PLAN

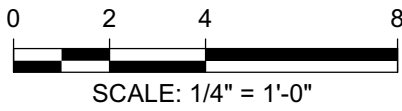
Sheet No.

**MD102**





MECHANICAL OVERALL FLOOR PLAN  
SCALE: 1/4" = 1'-0"



ALTERATIONS TO TREASURY  
MOTOR POOL

**Location**  
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4	TRAILER	03/27/2024

**Sheet Title**  
MECHANICAL OVERALL FLOOR  
PLAN

**Sheet No.**  
**M100**





- 1 PROVIDE A CONCRETE EQUIPMENT PAD. REINSTALL (E) OUTDOOR CONDENSING UNIT ON THE CONCRETE EQUIPMENT PAD. SEE DWG. M501, CONCRETE PAD FOR HPCU UNIT DETAIL.
- 2 REINSTALL (E) INDOOR EVAPORATOR ON THE WALL AT 6'-10" AFF. CONNECT REFRIGERANT PIPING, ELECTRICAL POWER CONNECTION AND CONTROLS. PROVIDE CONDENSATE PUMP CP-1 AS SHOWN IN THE DRAWING.
- 3 PROVIDE NEW REFRIGERANT PIPES 1/2"Ø SUCTION LINE AND 1/4"Ø LIQUID LINE. FIELD VERIFY TO MATCH EXISTING REFRIGERANT PIPE SIZES. PROVIDE NEW REFRIGERANT AND REFILL THE AIR CONDITIONING SPLIT SYSTEM UNIT AS REQUIRED.
- 4 PROVIDE BASEBOARD WITH ASSOCIATED ACCESSORIES AND SUPPORTS. SEE DWG M-501 FOR THE BASEBOARD PIPING DETAIL.
- 5 PROVIDE THERMAL INSULATION AND JACKETING FOR VERTICAL 3/4"Ø HWS/R PIPES RISERS LOCATED INSIDE THE WALL PARTITION.
- 6 PROVIDE ROUND DUCT 14" ABOVE ATTIC FLOOR .
- 7 PROTECT PIPES WITH STEEL COVER MADE OUT OF 16 GA GALVANIZED STEEL, 3" HEIGHT BY 3" WIDE AND SECURED TO THE ATTIC'S FLOOR.

MECHANICAL RESTROOM AND BREAKROOM FLOOR PLAN

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



BASEBOARD SCHEDULE											BASIS OF DESIGN "SIGMA			
TAG	LOCATION	CAPACITY	EAT	AVERAGE EWT	WATER FLOW	HEATING ELEMENT LENGTH	TUBE SIZE	FIN SIZE	TIERS	FIN PER FT.	ENCLOSURE DEPTH	HEIGHT OF PANEL	MODEL	
		BTUH	*F	*F	GPM	FT.	IN.	IN.	IN.		IN.	IN.		
BB-1	TOILET ROOM	6080	65.0	170.0	0.5	5.0	3/4	4 X 4	1	48	5 1/4	12	SWE-S	
BB-2	BREAK ROOM	6080	65.0	170.0	0.5	5.0	3/4	4 X 4	1	48	5 1/4	12	SWE-S	
<u>PROVIDE:</u> - WALL-TO-WALL BASEBOARD ENCLOSURES W/TRIMS, CORNER AND END CAPS - SLOPE TOP ENCLOSURES														

CONDENSATE PUMP SCHEDULE										BASIS OF DESIGN "LITTLE GIANT"	
TAG	LOCATION	WATER FLOW GPH	TOTAL HEAD FT	DISCHARGE SIZE IN	CHECK VALVE IN	TANK CAPACITY GAL	MOTOR			OPERATING WEIGHT LBS	MODEL
							RPM	V/PH/Hz	HP		
CP-1	REPAIR BAY	60	10	3/8	3/8	0.5	1800	115/1/60	1/30	5.5	VCCA-20ULS
<b>PROVIDE:</b> <div> <div>- NEMA 12 DISCONNECT SWITCH</div> <div>- THERMAL PROTECTED, FAN COOLED MOTORS</div> <div>- OVERFLOW DETECTION SWITCH</div> <div>- MAXIMUM WATER TEMPERATURE : 140 F</div> <div>- AUTOMATIC START AND STOP OPERATIONS</div> <div>- FIELD PROVIDED WALL BRACKETS FOR PUMP SUPPORT</div> <div>- CHECK VALVES</div> </div>											

FAN SCHEDULE										BASIS OF DESIGN *VENTS-U			
TAG	LOCATION	AREA SERVED	MODEL NO.	FAN TYPE	DRIVE	AIR FLOW CFM	ESP IN. WC.	FAN RPM	MOTOR			WEIGHT LBS	NOTES
									RPM	W	V/PH/Hz		
EF-1	ATTIC	JANITOR CLOSET	TT-125	INLINE TURBO TUBE	DIRECT	80	0.300	2,212	2,472	36	120/1/60	3.9	1-6
EF-2	ATTIC	TOILET RM	TT-100	INLINE TURBO TUBE	DIRECT	40	0.375	2,024	2,584	38	120/1/60	3.7	1-6
<u>NOTES:</u> 1. DISCONNECT SWITCH NEMA 12 2. BACKDRAFT DAMPER IN DUCT 3. ALUMINUM WALL CAP W/ BIRD SCREEN 4. FLEXIBLE CONNECTORS 5. POWER OVERLOAD PROTECTION 6. POWER CORD													



AREA OF WORK

KEY PLAN  
NTS

## ALTERATIONS TO TREASURY MOTOR POOL

## Location

BAYSIDE STATE PRISON  
4342 NJ-47  
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2	FINAL DESIGN	11/03/2022
3	BUILDING DATA UPDATE	--/--/2022
4	TRAILER	03/27/2022

Sheet Title

## MECHANICAL RESTROOM AND BREAK ROOM FLOOR PLAN AND EQUIPMENT SCHEDULES

Sheet No.

# M101

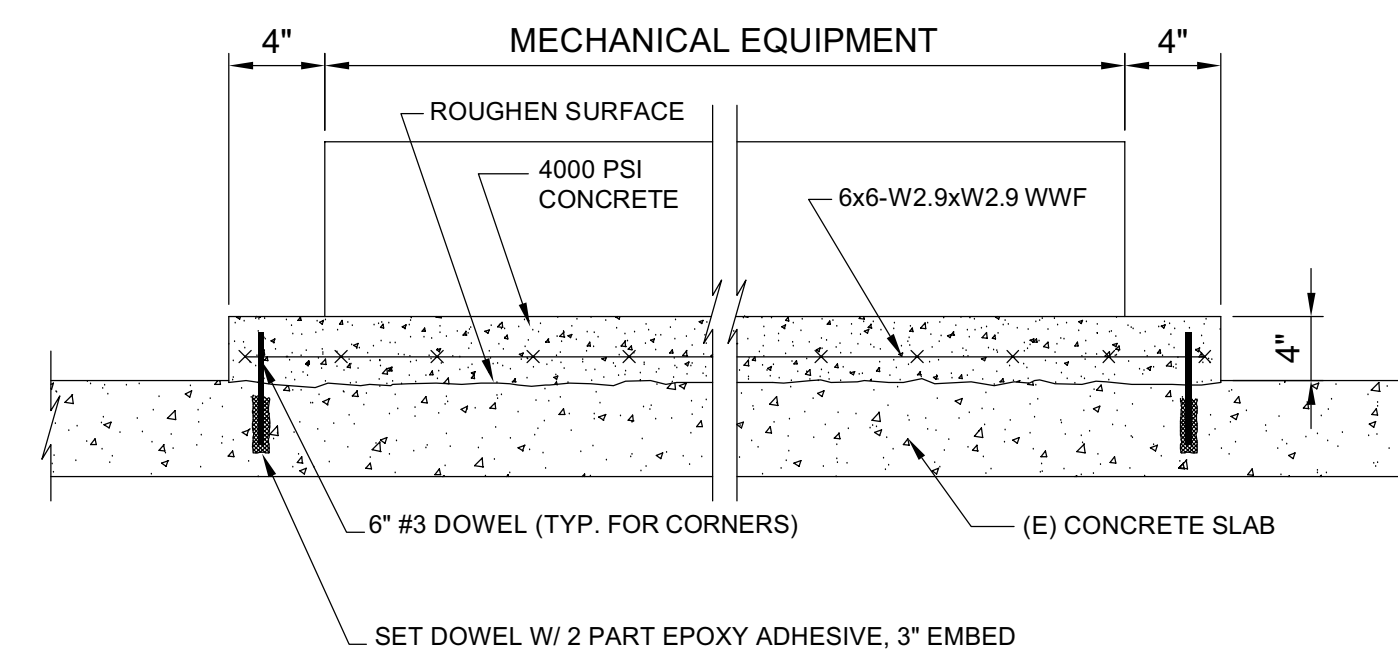
Sheet 10 of 2

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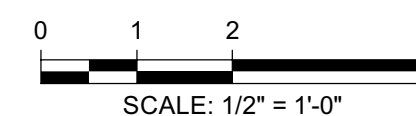


- 1 PROVIDE BOILER WITH BURNER, CONTROLS, DRAFT HOOD AS SHOWN ON BOILER SCHEDULE ON THIS DRAWINGS. PROVIDE 4" CONCRETE PAD SEE CONCRETE PAD DETAIL ON THIS DRAWING.
- 2 PROVIDE 9" TYPE B FLUE VENT WITH DRAFTHOOD, BLOCKED VENT STOP, ROOF TOP FLASHING AND BRD SCORING. PROVIDE REQUIRED OFFSETS TO REUSE EXISTING ROOF OPENING. SEE ARCH. DWGS. FOR ROOF OPENING DETAIL.
- 3 PROVIDE NEW BOILER / 5-ZONE PUMPS CONTROL PANEL BY TACO SR 506 OR APPROVED EQUIAL.
- 4 PROVIDE 2"Ø HOT WATER SUPPLY PIPE, AND CONNECT WITH EXISTING 2"Ø HOT WATER SUPPLY PIPE. (E ) MAKE UP WATER CONNECTION SHALL REMAIN.
- 5 PROVIDE 2" Ø HOT WATER RETURN PIPE, AND CONNECT WITH EXISTING 2"Ø HOT WATER RETURN PIPE.
- 6 PROVIDE PRESSURE RELIEF VALVE WITH 3/4" PIPE TERMINATED 6" AFF. CONFIRM REQUIRED SIZE OF THE DISCHARGE PIPE FROM THE PRESSURE RELIEF VALVE AS PER VALVE MANUFACTURER'S RECOMMENDATIONS.



**CONCRETE PAD DETAIL**  
NOT TO SCALE

1 MECHANICAL BOILER ROOM FLOOR PLAN  
M102 SCALE: 1/2" = 1'-0"

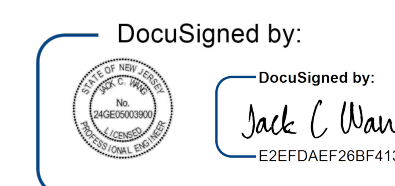


GAS-FIRED HOT WATER BOILER SCHEDULE																	BASIS OF DESIGN "BURNHAM"				
TAG	LOCATION	SERVICE	BOILER TYPE	GROSS INPUT	NET OUTPUT	EWT	LWT	TYPE OF GAS	GAS INPUT	MIN. / MAX. GAS PRESSURE	AHRI EFFICIENCY	FLUE CONNECTION	BOILER PRESSURE RATING	BOILER WATER FLOW GPM	ELECTRICAL DATA		UNIT OPERATING WEIGHT	MODEL			
				MBH	MBH	"F	"F		CFH	IN. WC.	%	IN.	PSIG	AMPS	V/PH/Hz	LBS					
B-1	BOILER ROOM	HEATING SYSTEM	CAST IRON, SECTIONAL	410	328	160	180	NATURAL GAS	410	6 / 14	80.1	9	50	41	5	120/1/60	1,000	808HE			
PROVIDE:   - ASME RELIEF VALVE, 30 PSI																			- BLOCKED VENT SWITCH		
- TYPE B, DOUBLE WALL METAL FLUE																			- PRESSURE / TEMPERATURE GAUGE		
- TOP MOUNTED DRAFTHOOD BY BOILER MANUFACTURER																			- JACKET WITH 3" INSULATION		
- 100% SHUTOFF GAS CONTROLS																			- ELECTRONIC, DIRECT SPARK IGNITION		
- STAINLESS STEEL FLUE BAFFLES																			- CONTROLS		



AREA 1

## KEY PLAN



#	Issue/Revision	Date
1	DESIGN DEVELOPMENT	09/07/2023
2	FINAL DESIGN	11/03/2023
3	BUILDING DATA UPDATE	--/--/2024
4	TRAILER	03/27/2024

ER 03/27/2024

**Sheet Title**

MECHANICAL BOILER ROOM  
FLOOR PLAN DETAIL AND  
EQUIPMENT SCHEDULE

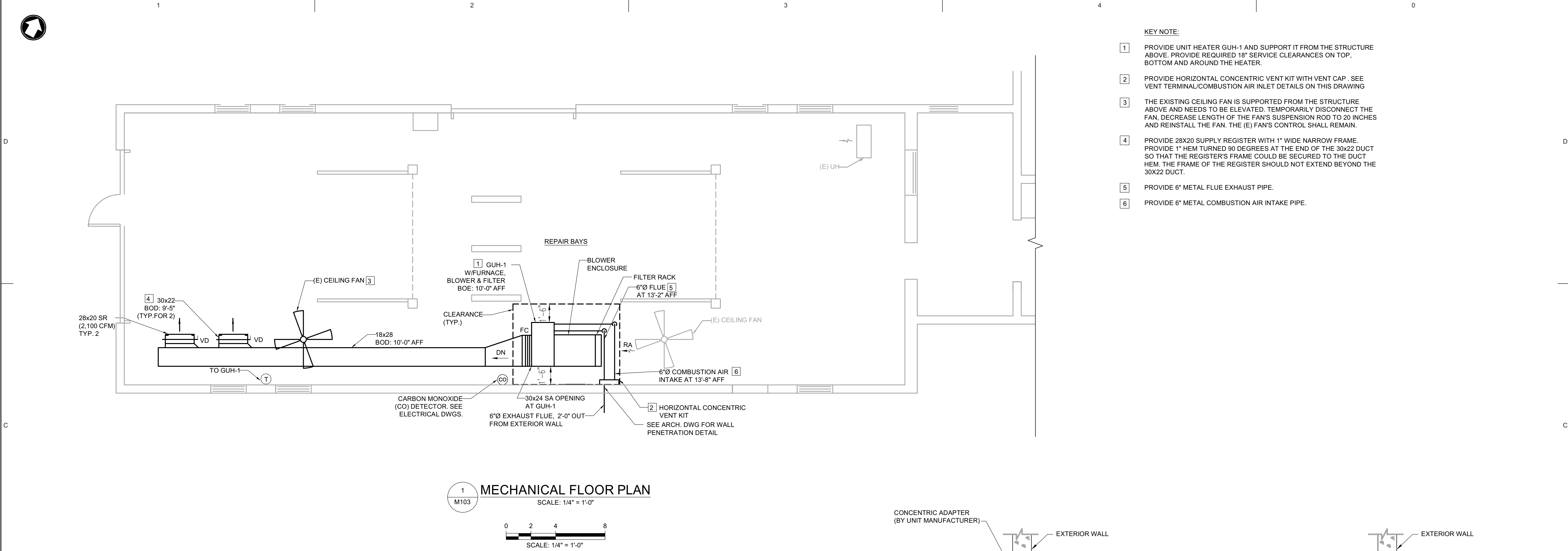
Sheet No.

# M102

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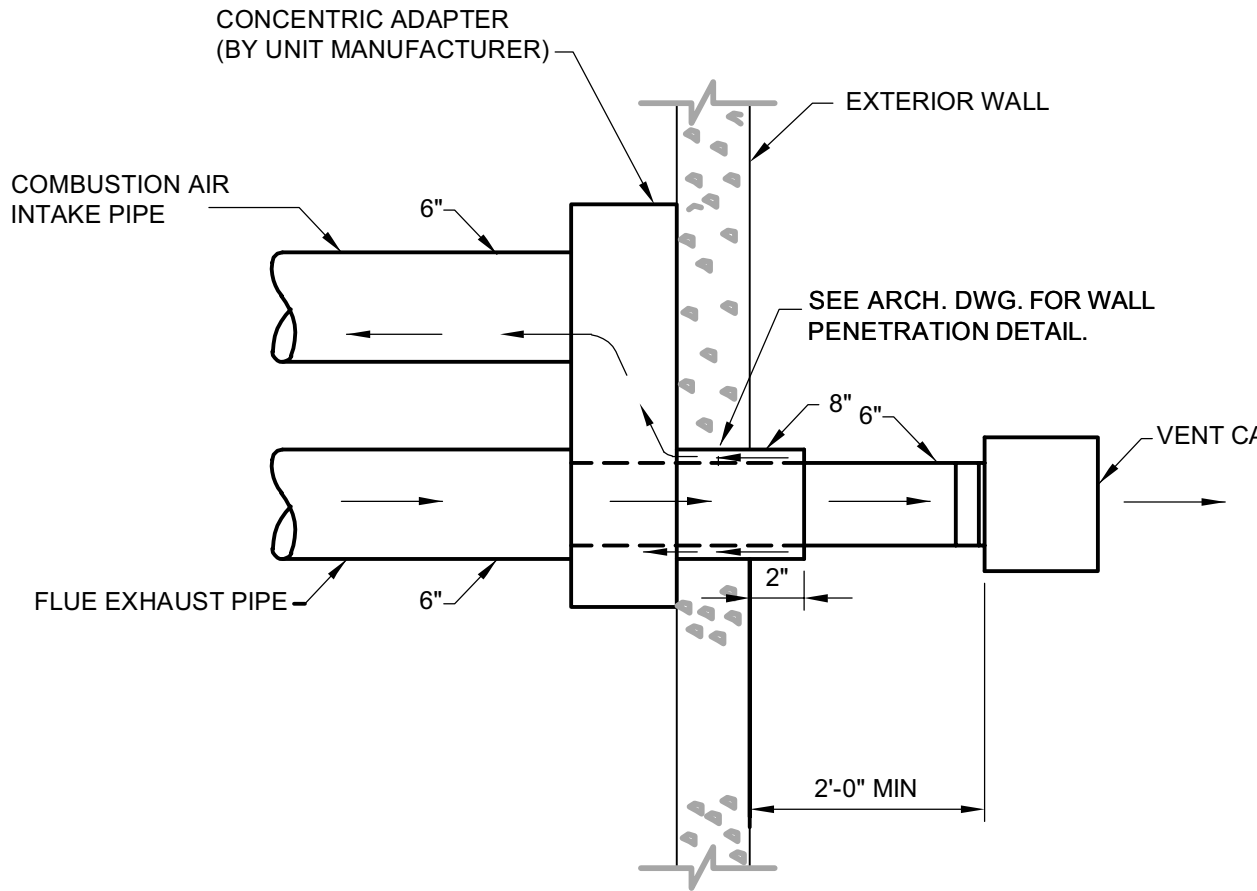
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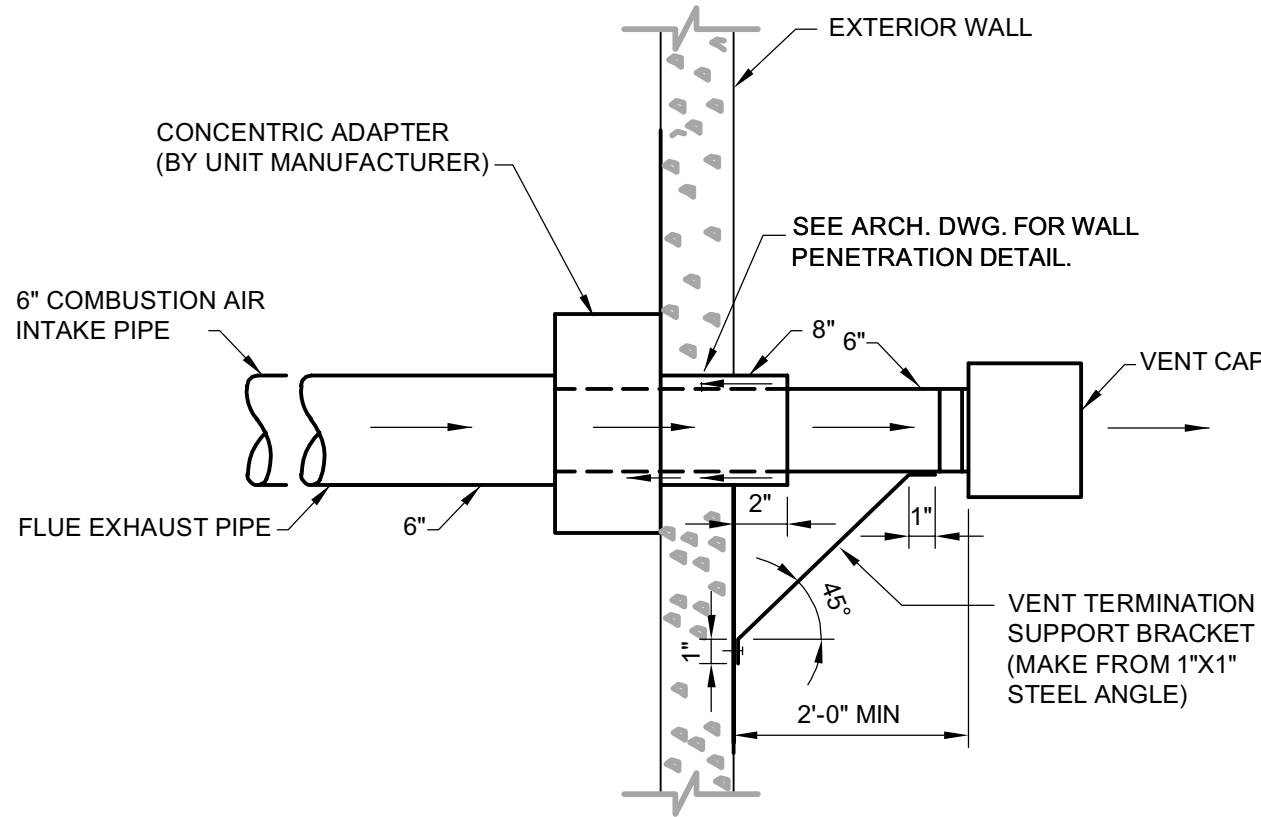


- KEY NOTE:
- 1 PROVIDE UNIT HEATER GUH-1 AND SUPPORT IT FROM THE STRUCTURE ABOVE. PROVIDE REQUIRED 18" SERVICE CLEARANCES ON TOP, BOTTOM AND AROUND THE HEATER.
  - 2 PROVIDE HORIZONTAL CONCENTRIC VENT KIT WITH VENT CAP. SEE VENT TERMINAL/COMBUSTION AIR INLET DETAILS ON THIS DRAWING
  - 3 THE EXISTING CEILING FAN IS SUPPORTED FROM THE STRUCTURE ABOVE AND NEEDS TO BE ELEVATED. TEMPORARILY DISCONNECT THE FAN. DECREASE LENGTH OF THE FAN'S SUSPENSION ROD TO 20 INCHES AND REINSTALL THE FAN. THE (E) FAN'S CONTROL SHALL REMAIN.
  - 4 PROVIDE 28X20 SUPPLY REGISTER WITH 1" WIDE NARROW FRAME. PROVIDE 1" HEM TURNED 90 DEGREES AT THE END OF THE 30X22 DUCT SO THAT THE REGISTER'S FRAME COULD BE SECURED TO THE DUCT HEM. THE FRAME OF THE REGISTER SHOULD NOT EXTEND BEYOND THE 30X22 DUCT.
  - 5 PROVIDE 6" METAL FLUE EXHAUST PIPE.
  - 6 PROVIDE 6" METAL COMBUSTION AIR INTAKE PIPE.

1 MECHANICAL FLOOR PLAN  
M103  
SCALE: 1/4" = 1'-0"



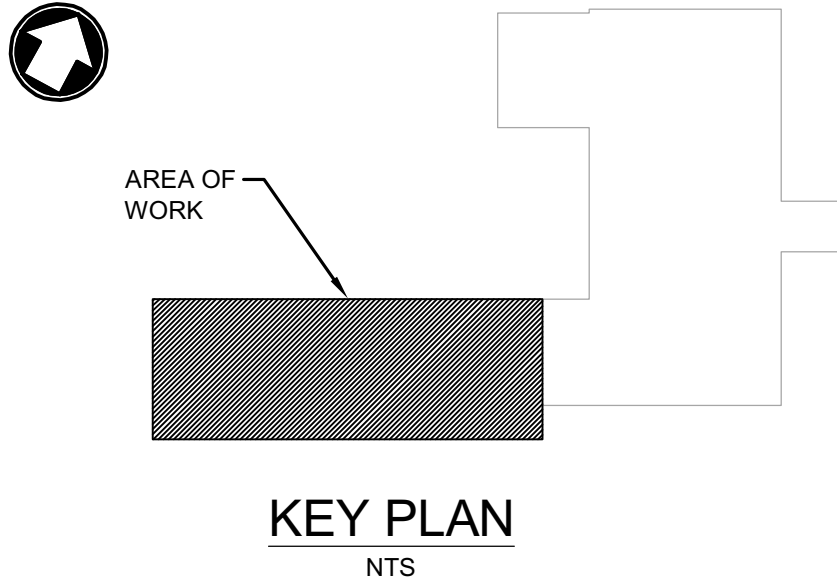
TOP VIEW



ELEVATION VIEW

VENT TERMINAL/  
COMBUSTION AIR INLET DETAIL  
NOT TO SCALE

GAS-FIRED UNIT HEATER SCHEDULE																	BASIS OF DESIGN "MODINE"			
TAG	AREA SERVED	TOTAL AIR FLOW	HEATING SECTION					OPERATING GAS PRESSURE MIN / MAX IN. WG.	THERMAL EFFICIENCY	EAT	LAT	GAS TYPE	AIR TEMPERATURE RISE	SUPPLY FAN		FAN MOTOR			WEIGHT	MODEL
			INPUT	OUTPUT	VENT OUTLET	COMBUSTION INLET	TOTAL STATIC PRESSURE							ESP	RPM	V/PH/Hz	MOTOR			
		CFM	MBH	MBH	INCH	INCH		%	F	F		F	IN. WC	IN. WC			HP	LBS		
GUH-1	REPAIR BAYS	4,200	250	205	6	6	6 / 7	82	65	110	NATURAL	45	0.634	0.5	1,725	208/3/60	2	360	BTX250SS4112NBAN	
<div><div><div>PROVIDE:</div><div><div>1. 409 STAINLESS STEEL HEAT EXCHANGER/ALUMINIZED STEEL BURNER</div><div>2. BLOWER ENCLOSURE WITH FILTER RACK &amp; FILTER</div><div>3. HORIZONTAL CONCENTRIC VENT KIT W/ CONCENTRIC ADAPTOR</div><div>4. COMBUSTION AIR INTAKE PIPE WITH GUARD</div></div></div><div><div>5. VENT PIPE WITH CAP</div><div>6. NEMA 12 DISCONNECT SWITCH</div><div>7. TEFC FAN MOTOR</div><div>8. TWO STAGE, DIRECT SPARK IGNITION</div><div>9. DIGITAL, 24/7 PROGRAMMABLE, TWO STAGE, WALL MOUNTED</div></div><div><div>10. THE COMBUSTION AIR AND VENT PIPES MUST BE SINGLE WALL STAINLESS STEEL MATERIAL, EXCEPT FOR THE LAST SECTION OF VENT PIPE, WHICH MUST BE ONE CONTINUOUS LENGTH OF DOUBLE WALL B-VENT EXTENDED THROUGH THE CONCENTRIC VENT BOX AND COMBUSTION AIR INLET PIPE ON THE CONCENTRIC SIDE OF THE BOX.</div><div>11. THE HORIZONTAL COMBUSTION AIR AND VENT SYSTEMS USING A CONCENTRIC VENT MUST BE CATEGORY III SYSTEM (SEPARATE COMBUSTION) AND VENT MUST BE GAS TIGHT.</div></div></div>																				



KEY PLAN  
NTS

ALTERATIONS TO TREASURY  
MOTOR POOL

Location  
BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

DPMC Number  
A1397-00

Project Number  
20520.11

Date  
11/03/2023

Architect  
Lammey + Giorgio  
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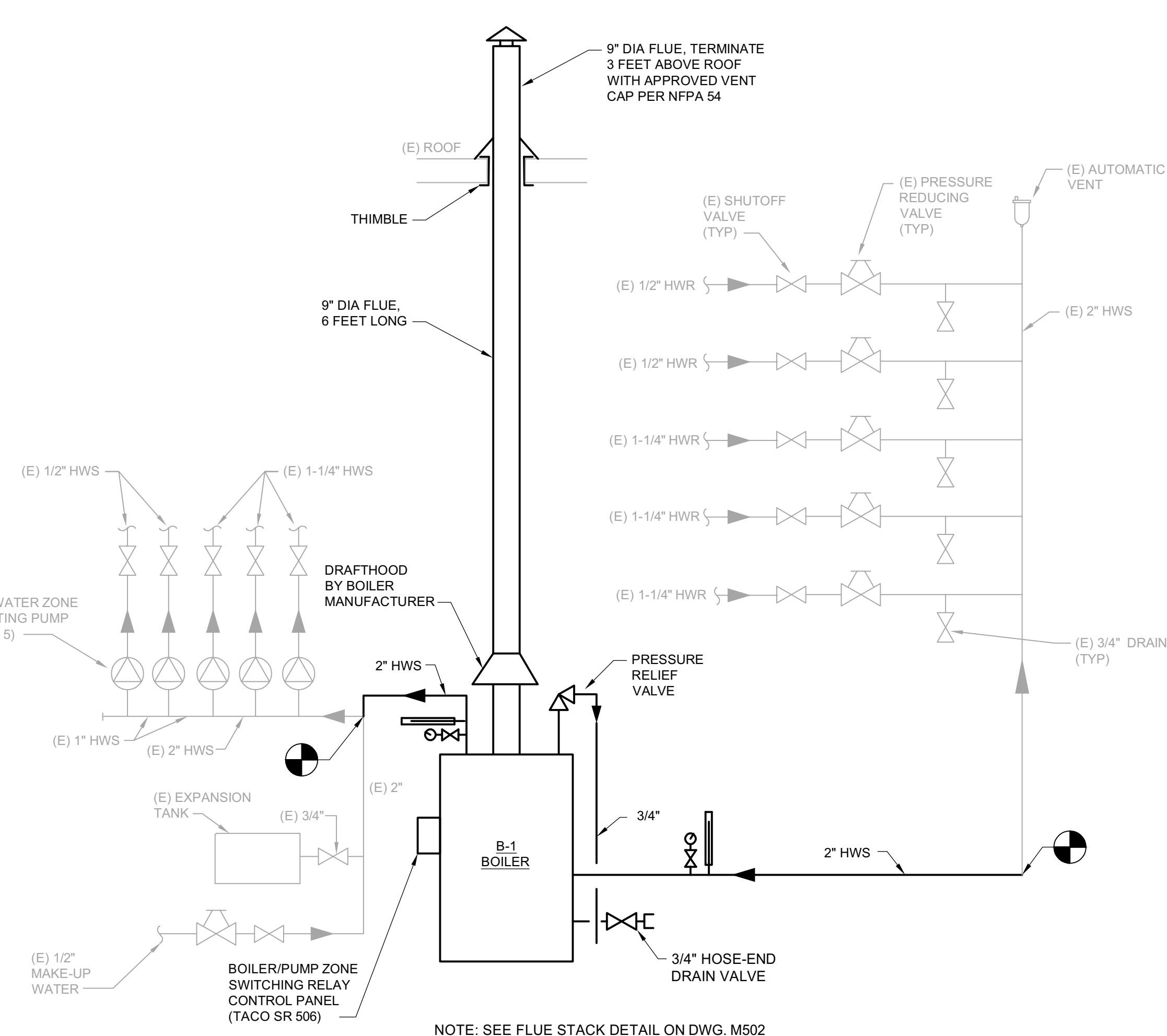
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DocuSigned by:  
Jack C. Wang  
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1	DESIGN DEVELOPMENT	09/07/2023
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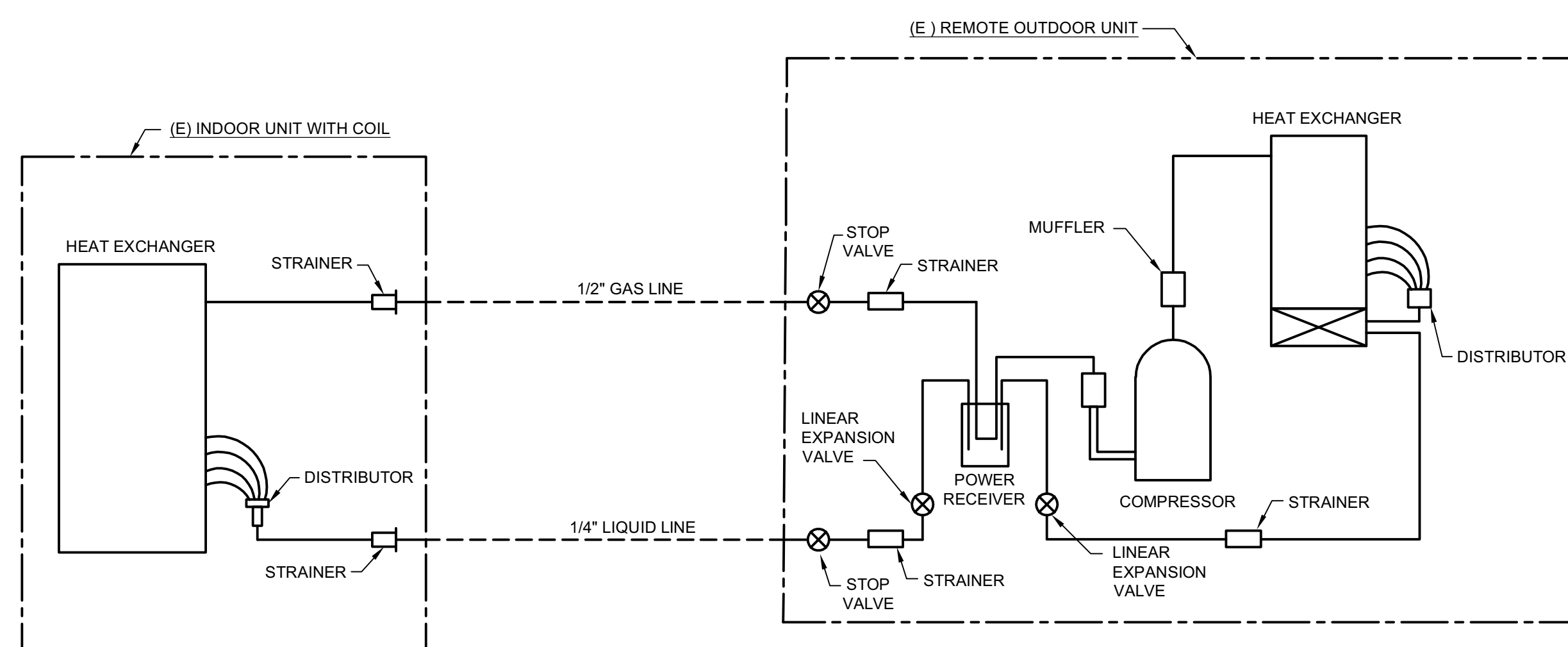
MECHANICAL REPAIR BAYS  
FLOOR PLAN, DETAIL AND  
EQUIPMENT SCHEDULE

Sheet No.  
M103  
Sheet 12 of 26  
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## BOILER SYSTEM PIPING SCHEMATIC



1. SHOWN SINGLE-CIRCUIT SCHEMATIC IS DIAGRAMMATIC. UNIT MAY HAVE MORE THAN ONE CIRCUIT.
2. FIELD VERIFIED TO MATCH EXISTING REFRIGERANT PIPE SIZES.
3. PROVIDE ALL MANUFACTURER'S RECOMMENDED ACCESSORIES NOT LIMITED TO OUTLETTINGS AND DEVICES. PROVIDE DIAGRAMMATICALLY SHOWN ACCESSORIES.
4. PROVIDE NEW REFRIGERANT AND REFILL THE DUCTLESS SPLIT SYSTEM UNIT AS REQUIRED.
5. PROVIDE PIPING THERMAL INSULATION AS PER SPECIFICATIONS.
6. OUTDOOR UNIT (EQUIPMENT AND INSTALLATION) SHALL MEET REQUIREMENTS OF SPECIFICATION 230548 VIBRATION AND WIND CONTROLS FOR HVAC.

\_\_\_\_\_ REFRIGERANT LINES BY UNIT MANUFACTURER  
 - - - - - FIELD SUPPLIED REFRIGERANT LINES BY CONTRACTOR

---

ALTERATIONS TO TREASURY  
MOTOR POOL

Location

BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

DPMC Number

---

**Project Number**

Date \_\_\_\_\_

Architect

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4	TRAILER	03/27/2024

**Sheet Title**

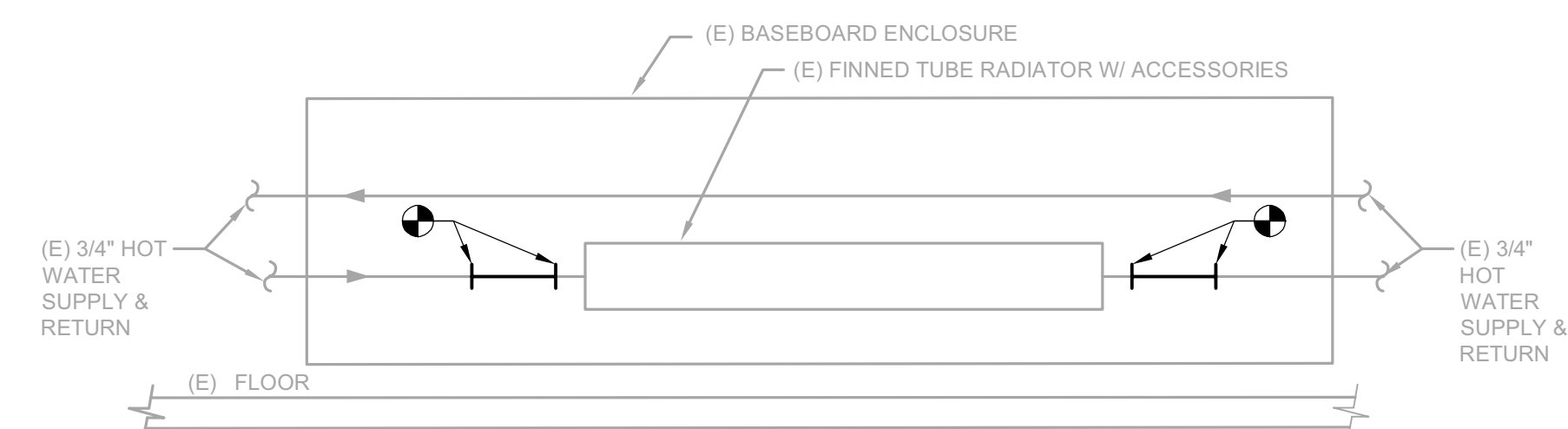
## MECHANICAL PIPING SCHEMATICS

Sheet No. \_\_\_\_\_

# M301

Sheet 13 of 26  
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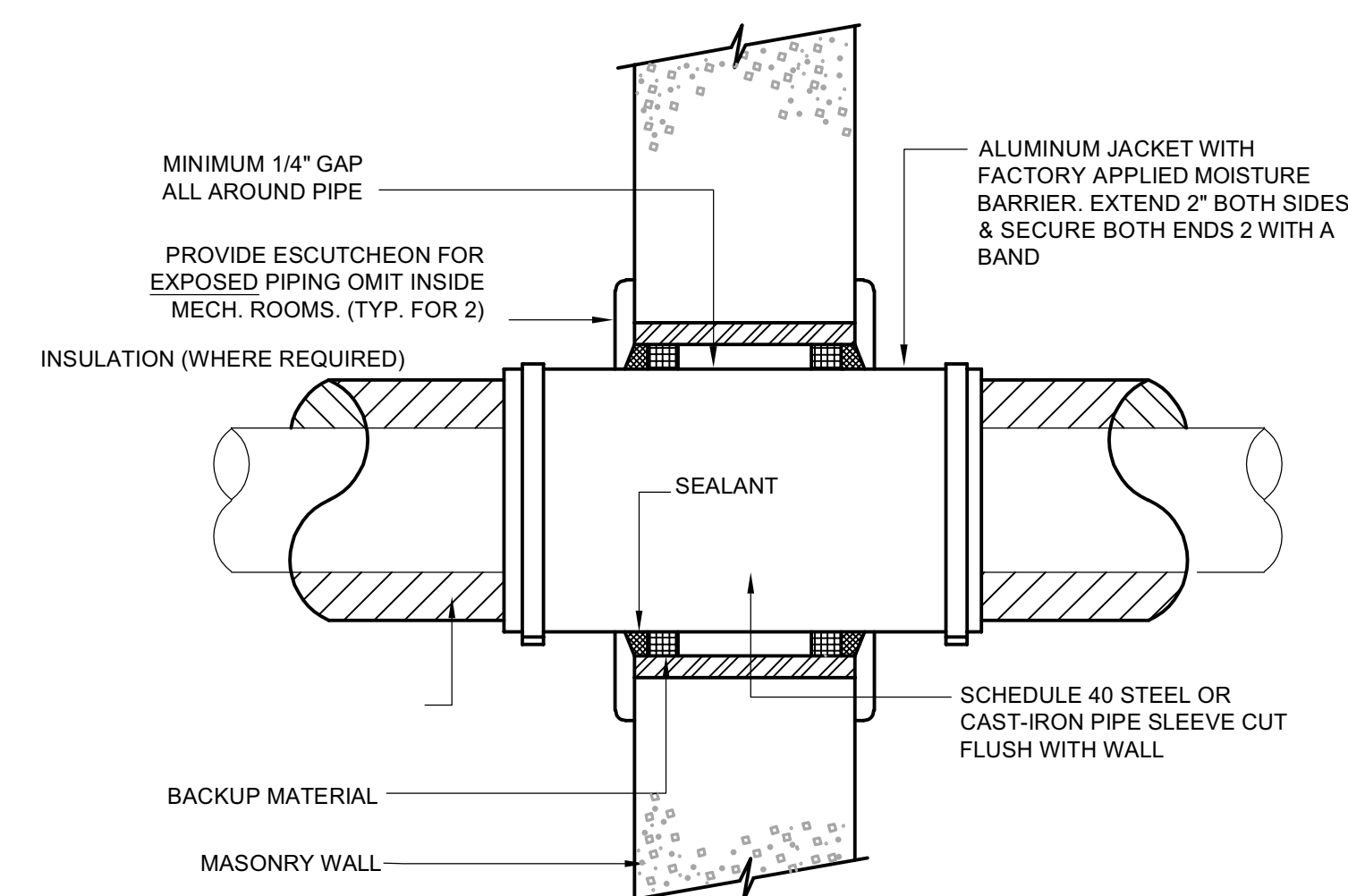


## NEW WORK

NEW WORK NOTES:

1. PROVIDE NEW 3/4" PIPE AND RECONNECT IT TO THE EXISTING PIPE AS REQUIRED. THE CONTRACTOR SHALL FIELD VERIFY PIPE SIZE AND MATERIAL TO MATCH EXISTING.
2. IF THE PIPE REQUIRES A THERMAL INSULATION, THE CONTRACTOR SHALL PROVIDE NEW THERMAL INSULATION TO MATCH EXISTING.
3. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PERFORM TESTING, ADJUSTING AND BALANCING OF THE SYSTEM AS PER SPECIFICATION 15951.

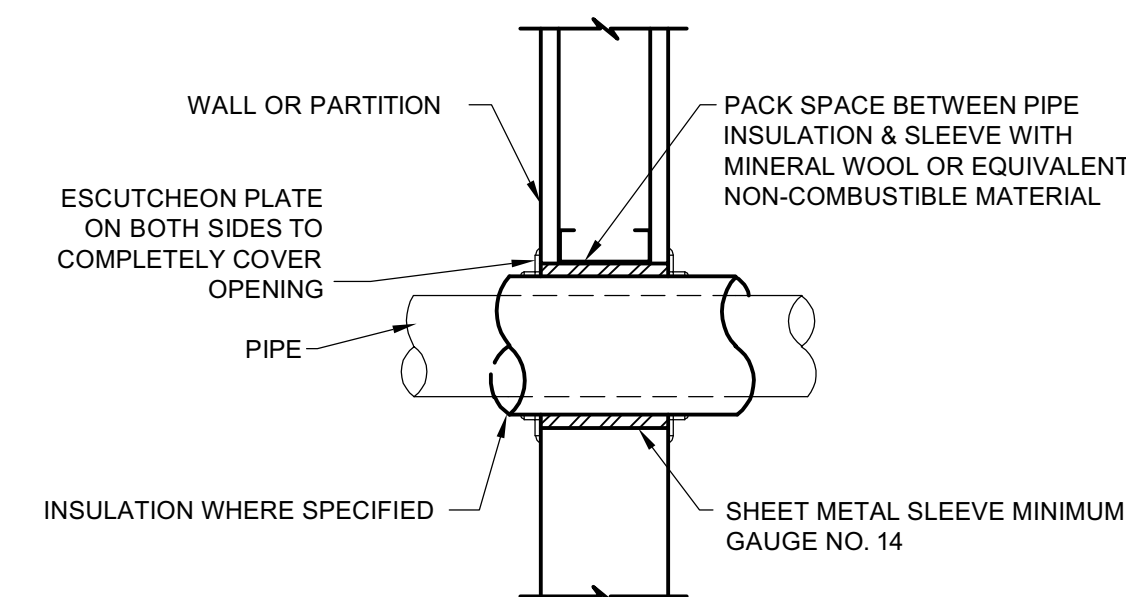
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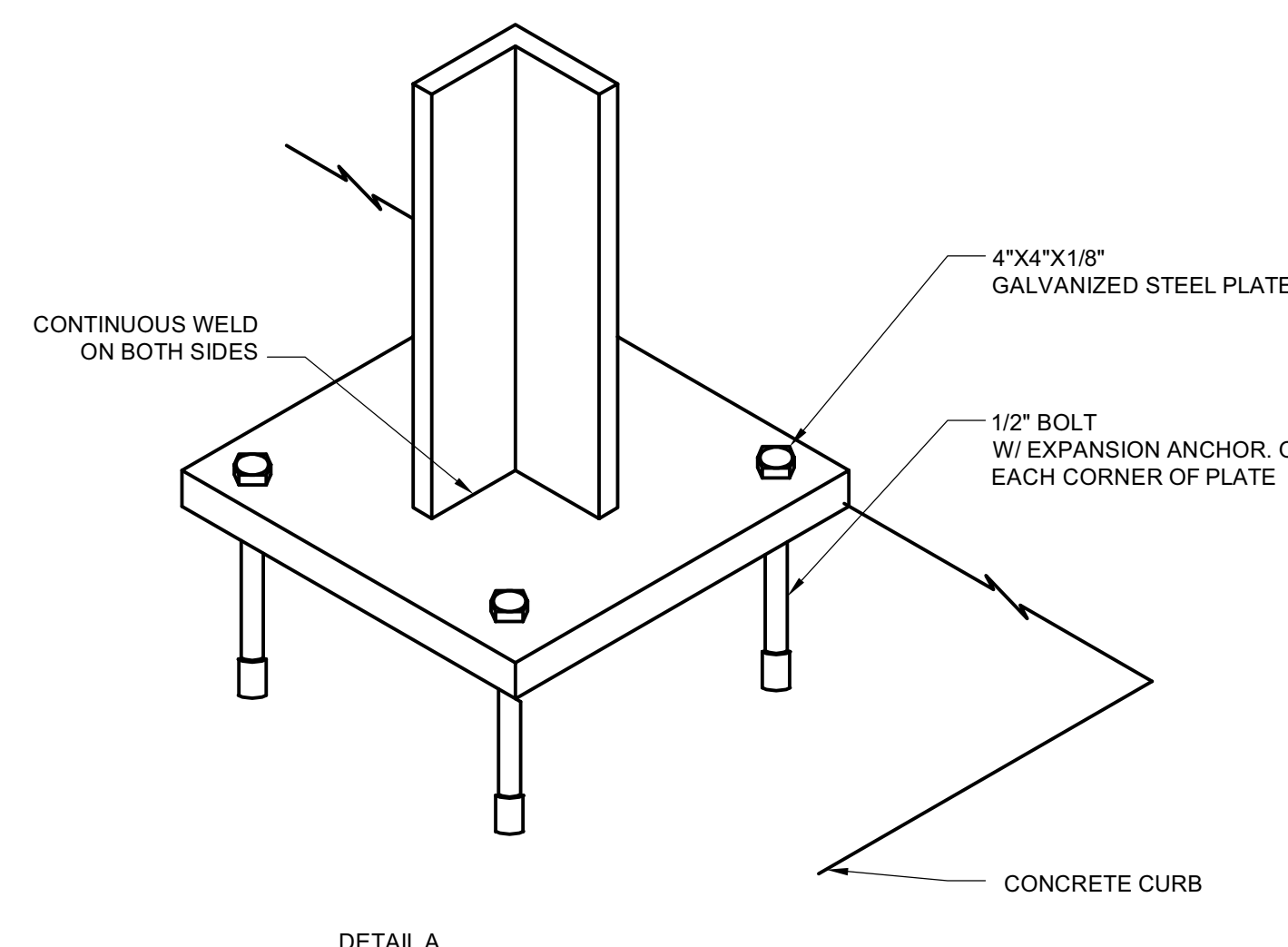
- NOTES:
1. FOR GYP. BOARD WALLS PROVIDE MIN. 16 GAUGE GALVANIZED STEEL SLEEVE W/ LOCK-TYPE LONGITUDINAL SEAM.
  2. OMIT ALUMINUM JACKET IF PIPING IS UNINSULATED

### EXTERIOR WALL PIPE PENETRATION DETAIL

NOT TO SCALE



NOT TO SCALE



CLAMP

PIPE


"C"-STRUT  
(ATTACH TO WALL)

FILE 30  
NOT TO SCALE

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4	TRAILER	03/27/2024

## MECHANICAL DETAILS

Sheet No.

**M501**  
Sheet 14 of 26  
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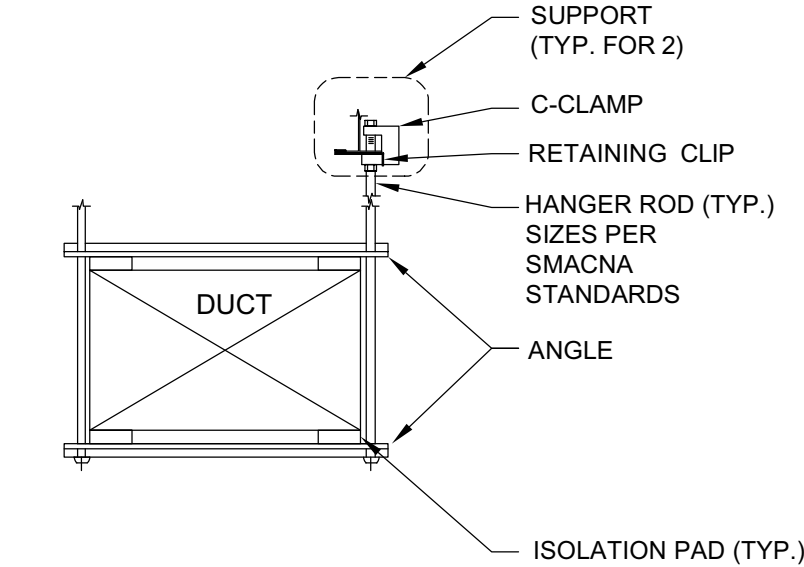


D

C

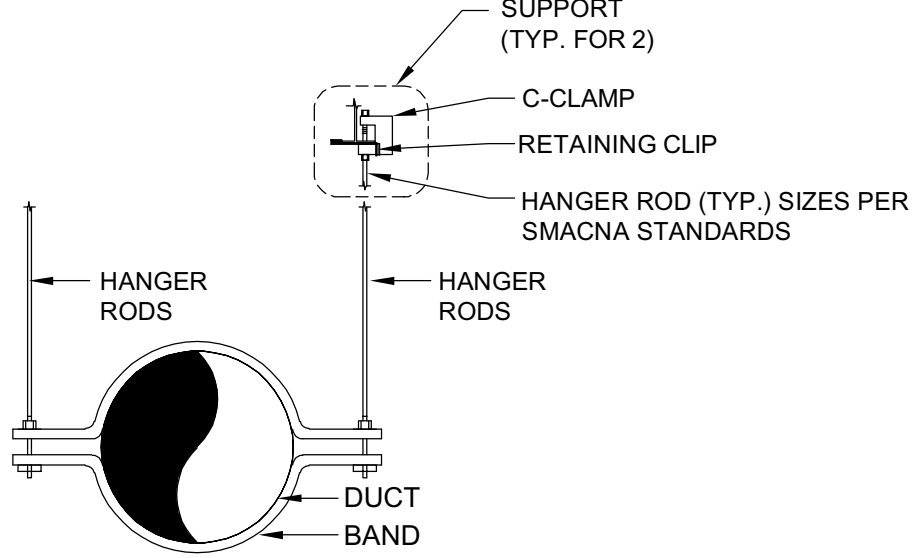
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A



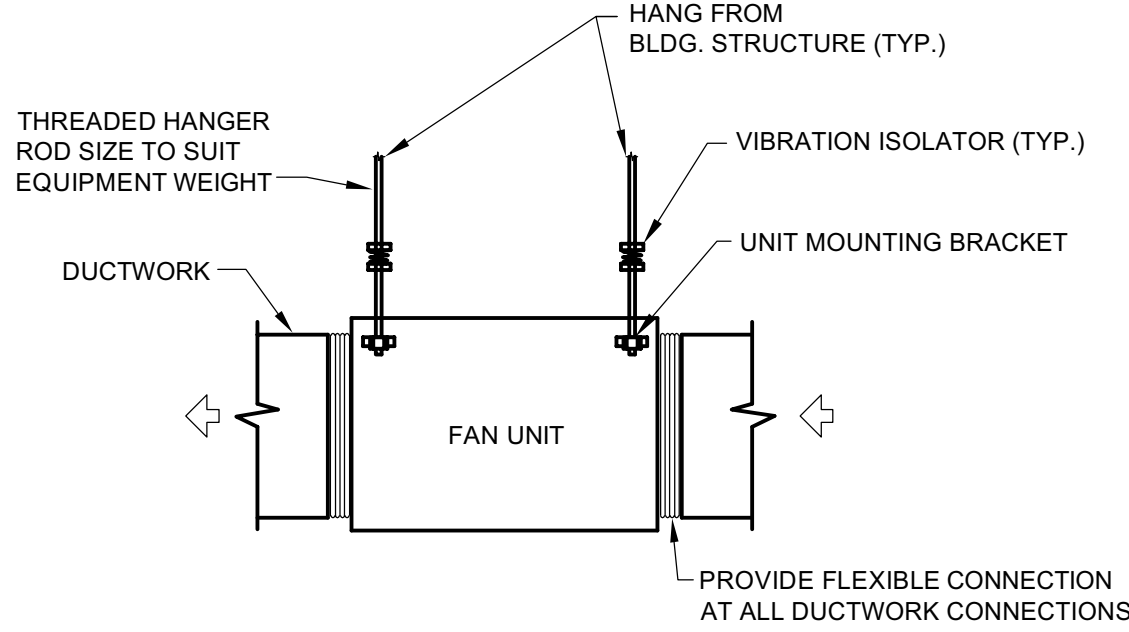
NOTE:  
1. DISTANCE BETWEEN DUCT HANGERS SHALL BE IN ACCORDANCE WITH SMACNA STANDARD

RECTANGULAR DUCT HANGER DETAIL  
NOT TO SCALE

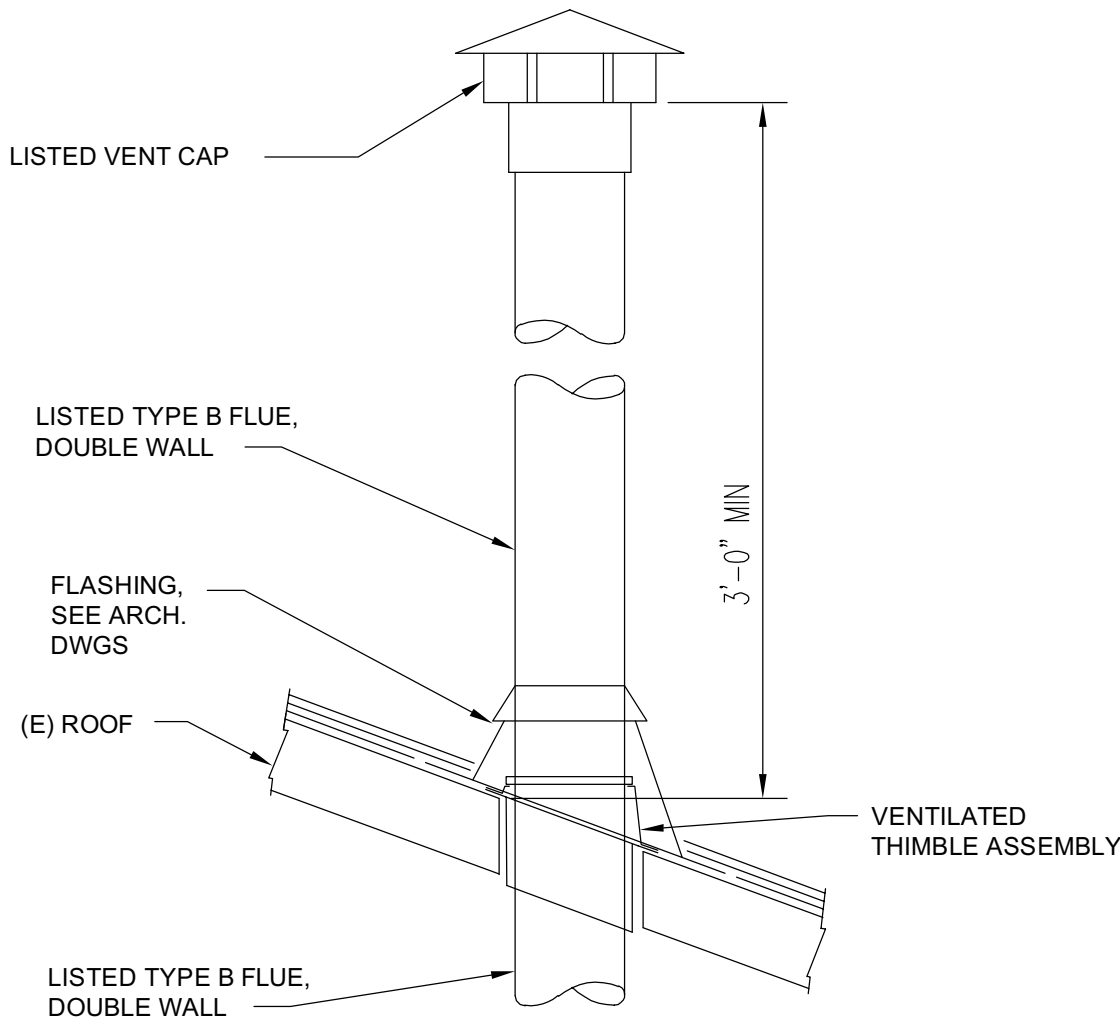


NOTE:  
1. DISTANCE BETWEEN DUCT HANGERS SHALL BE IN ACCORDANCE WITH SMACNA STANDARD

ROUND DUCT HANGING DETAIL  
NOT TO SCALE



FAN SUPPORTING DETAIL  
NOT TO SCALE



NOTES:  
1. SEE ARCHITECTURAL DWGS FOR ROOF PENETRATION AND ROOF FLASHING DETAILS.  
2. SEAL WITH HIGH TEMPERATURE SILICONE AROUND THE STACK OPENING TO PREVENT EXHAUST FUMES FROM RETURNING INSIDE THE BUILDING.

FLUE STACK DETAIL  
NOT TO SCALE

#### MECHANICAL EQUIPMENT SEQUENCE OF OPERATION

- GENERAL  
PROVIDE ALL NECESSARY CONTROL DEVICES, WIRING, CONDUITS, CONTROLLERS, ETC. AS REQUIRED FOR PROPER OPERATION OF THE MECHANICAL EQUIPMENT AND SYSTEMS.
- BOILER (B-1) AND THE PUMP ZONE SWITCHING RELAY CONTROL PANEL  
THE EXISTING HEATING HOT WATER SYSTEM CONTROLS SHALL BE UPGRADED TO INCLUDE OPERATION OF THE BOILER (B-1) AND THE PUMP ZONE SWITCHING RELAY CONTROL PANEL (TACO SR 506) IN SEQUENCE ROUTINE.  
THE BOILER AND THE PUMP ZONE SWITCHING RELAY CONTROL PANEL SHALL OPERATE UNDER THE EXISTING CONTROL SYSTEM AND UNDER THE EXISTING SEQUENCE OF OPERATION.
- EMERGENCY BOILER SHUT OFF SWITCH  
ACTIVATION OF ANY EMERGENCY BOILER SHUT OFF SWITCH SHALL IMMEDIATELY SHUTDOWN THE BOILER BY DISCONNECTING THE BOILER FROM ALL SOURCES OF POWER. REFER TO THE ELECTRICAL DRAWINGS FOR INSTALLATION AND WIRING OF THE EMERGENCY BOILER SHUT OFF SWITCH.
- CARBON MONOXIDE (CO) DETECTOR  
WHEN CARBON MONOXIDE (CO) LEVEL RISES ABOVE SETPOINT OF 25 PPM (ADJUSTABLE) AS DETECTED BY A WALL MOUNTED CARBON MONOXIDE DETECTOR, LOCAL AUDIBLE AND VISUAL ALARMS SHALL INITIATE AT THE LOCAL PANEL OF THE DETECTOR AND REMOTE AUDIBLE AND VISUAL ALARM WITH STROBE AND HORN SHALL INITIATE AT THE DOOR OF THE BOILER ROOM AS SHOWN ON THE PLANS. WHEN CO GAS LEVEL DROPS BELOW SETPOINT OF 25 PPM (ADJUSTABLE), ALL AUDIBLE AND VISUAL ALARMS SHALL STOP.
- EXHAUST FANS (EF-1 & EF-2)
  - THE WALL MOUNTED SWITCH SHALL CONTROL OPERATION OF THE FAN EF-1 FOR JANITOR ROOM. WHEN THE SWITCH IS ON, THE FAN SHALL START AND OPERATE CONTINUOUSLY. WHEN THE SWITCH IS OFF, THE FAN SHALL STOP.
  - THE OCCUPANCY SENSOR SHALL CONTROL OPERATION OF THE FAN EF-2 FOR TOILET ROOM. WHEN THE SENSOR IS ACTIVATED, THE FAN SHALL START AND OPERATE CONTINUOUSLY. WHEN THE SENSOR IS DE-ACTIVATED, THE FAN SHALL STOP.
- GAS-FIRED UNIT HEATER (GUH-1)  
THE UNIT HEATER SHALL BE CONTROLLED BY A STAND ALONE WALL MOUNTED THERMOSTAT.  
WHEN THE SPACE TEMPERATURE RAISED ABOVE A SET POINT, THE HEATER SHALL START AND OPERATED CONTINUOUSLY UNDER BUILT-IN CONTROLS (BY UNIT MANUFACTURER). WHEN THE SPACE TEMPERATURE LOWERS BELOW SET POINT, THE HEATER SHALL STOP.  
SET SPACE TEMPERATURE SET POINT AT 65° F(ADJUSTABLE).
- EXISTING DUCTLESS SPLIT SYSTEM HEAT PUMP  
THE UNIT SHALL OPERATE UNDER BUILT-IN CONTROLS TO MAINTAIN THE SPACE TEMPERATURE SETPOINT BASED ON THE (E) SPACE MOUNTED THERMOSTAT OUTPUT.  
SET SPACE TEMPERATURE SETPOINT AT 74 °F (ADJUSTABLE) FOR SUMMER AND AT 70 °F (ADJUSTABLE) FOR WINTER.
- CONDENSATE DRAIN PUMP (CP-1)  
THE PUMP SHALL AUTOMATICALLY START AND STOP AS REQUIRED TO PUMP OUT THE CONDENSATE DRAIN FROM THE CONDENSATE RESERVOIR. THE PUMP SHALL OPERATE UNDER THE PUMP MANUFACTURER'S PROVIDED CONTROLS.

ALTERATIONS TO TREASURY  
MOTOR POOL

#### Location

BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

#### DPMC Number

A1397-00

#### Project Number

20520.11

#### Date

11/03/2023

#### Architect

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1	DESIGN DEVELOPMENT	09/07/2023
2	FINAL DESIGN	11/03/2023
3	BUILDING DATA UPDATE	~11/2024
4	TRAILER	03/27/2024

#### Sheet Title

MECHANICAL DETAILS AND  
EQUIPMENT SEQUENCE OF  
OPERATION

#### Sheet No.

**M502**

Sheet 15 of 26  
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## PLUMBING ABBREVIATIONS

## DEMOLITION NOTES

## INSTALLATION NOTES

PIPE SCHEDULE

SYSTEM	LOCATION	MATERIAL	TYPE	STANDARD	JOINTS	FITTINGS
DOMESTIC WATER	ABOVE GROUND	COPPER	TYPE L	ASTM B88	SOLDERED	WROUGHT COPPER
DOMESTIC WATER	BURIED	COPPER	TYPE K	ASTM B88	COMPRESSION	WROUGHT COPPER
SANITARY/VENT	ABOVE GROUND	CAST IRON	NO-HUB	ASTM A 888 CISPI 301	HUBLESS COUPLINGS	CAST IRON
SANITARY/VENT	BURIED	CAST IRON	HUB+SPIGOT	ASTM A 74	RUBBER GASKET	CAST IRON
GAS PIPING 3" AND SMALLER	ABOVE GROUND	STEEL ASTM A106	BLACK	SCH. 40	THREADED	THREADED MALLEABLE IRON ANS B16.3 & CLASS 150

## ELECTRIC DOMESTIC WATER HEATER SCHEDULE

TAG NO.	LOCATION	MANUFACTURER (BASIS OF DESIGN)	MODEL (BASIS OF DESIGN)	TYPE	RATING (KW)	V/PH	FULL LOAD CURRENT (AMPS)
WH-1	JANITOR CLOSET	A.O. SMITH	DEL-10	10 GALLON	3	208/1	14.4

## FIXTURE SCHEDULE

TAG	FIXTURE TYPE	WASTE	VENT	HOT WATER	COLD WATER	DESCRIPTION
WC	WATER CLOSET	4"	2"	-	1"	FLOOR MOUNTED, MANUAL FLUSH VALVE
LAV	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED, MANUAL FAUCET
SS	SERVICE SINK	3"	1-1/2"	1/2"	1/2"	WALL MOUNTED, UTILITY FAUCET
PS	PANTRY SINK	1-1/2"	1-1/2"	1/2"	1/2"	ABOVE COUNTER MOUNTED, MANUAL FAUCET

3. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE DRAWINGS AND BECOME FAMILIAR WITH EVERY ASPECT OF THE WORK. THE CONTRACTOR SHALL THOROUGHLY INSPECT THE SITE AND VERIFY ALL INFORMATION AND DATA INDICATED AND DESCRIBED ON THE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER'S OFFICE IMMEDIATELY, IN WRITING, IF DURING THE INSPECTION OF THE SITE, DISCREPANCIES OR CONDITIONS NOT QUESTIONS REGARDING THE INTENT OF THE WORK SHOULD ARISE.
3. THE CONTRACTOR SHALL FURNISH LABOR, MATERIALS AND EQUIPMENT NECESSARY OR REQUIRED TO PERFORM AND COMPLETE ALL DEMOLITION WORK AS SHOWN ON THE DRAWINGS INCLUDING, BUT NOT LIMITED, TO THE FOLLOWING:
  - A) COORDINATE THE REMOVAL AND STORAGE OF EQUIPMENT, THAT IS TO BE RETAINED BY GOV'T, PRIOR TO DEMOLITION IN AREAS OF WORK.
  - B) ACCESS TO AND EGRESS FROM THE SITE WILL BE AT POINTS ON ADJACENT PUBLIC STREETS OR ROADS AS DIRECTED AND APPROVED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL SETTLE ALL CLAIMS ARISING OUT OF HIS USE OR ABUSE OF SUCH STREETS AND ROADS, AND SHALL MAKE GOOD ANY DAMAGE FROM TRAFFIC ON THE OWNER'S PROPERTY.
  - C) EXECUTE THE WORK IN AN ORDERLY, CAREFUL MANNER WITH SPECIAL CONSIDERATION FOR OCCUPANCY. INSURE THAT NO DAMAGE OR INJURY SHALL OCCUR TO PERSONS, OR PROPERTY, ANY DAMAGE OR INJURY RESULTING FROM WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL MAKE GOOD SUCH DAMAGE AND ASSUME ALL RESPONSIBILITY FOR SUCH INJURY, WITHOUT ADDITIONAL COST TO THE OWNER.
  - D) THIS CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL DEMOLITION WITH THE SITE ENGINEERING OFFICE AND OBTAIN WRITTEN PERMISSION PRIOR TO COMMENCING WORK.
  - E) DEMOLITION IN CRITICAL AREAS MAY REQUIRE WORK BEYOND NORMAL BUSINESS HOURS AND SHALL BE DONE AT NO ADDITIONAL CHARGE TO THE OWNER. VERIFY CRITICAL AREAS AND EXTENT OF WORK WITHIN THESE AREAS PRIOR TO BID.
4. ALL UNSALVAGEABLE MATERIAL, EQUIPMENT AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF SITE, THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL HAULING AND/OR DUMPING PERMITS WHEN REQUIRED.
5. EXISTING MATERIALS AND/OR EQUIPMENT REMOVED AS PART OF THE DEMOLITION WORK SHALL NOT BE REUSED FOR ANY OF THE NEW WORK UNLESS SPECIFICALLY NOTED ON THE DRAWINGS OR AS DIRECTED BY OWNER.
6. INDICATIONS OF WORK TO BE REMOVED ARE GENERAL ONLY, AND ARE NOT INTENDED TO SHOW ALL ITEMS WHICH MAY REQUIRE REMOVAL. SUCH ITEMS SHALL BE REMOVED, RELOCATED, AND/OR REINSTALLED AS REQUIRED FOR INSTALLATION OF NEW WORK.
7. THE CONTRACTOR SHALL ERECT DUST TIGHT CHUTES FOR REMOVAL OF MATERIAL, RUBBISH, DEBRIS AS REQUIRED AT LOCATIONS DESIGNATED BY OWNER, DROPPING OF MATERIALS FROM ANY HEIGHT WILL NOT BE PERMITTED.
8. THE CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE IN KIND, AT HIS OWN EXPENSE, ANY DAMAGE WHICH MAY BE CAUSED TO ANY PART OF EXISTING CONSTRUCTION OR MATERIAL TO REMAIN OR TO ITEMS DESIGNATED FOR REUSE.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN A FIRE SAFETY PROGRAM, CONSULT WITH AND CONFORM TO ALL FIRE SAFETY REQUIREMENTS OF THE STATION FIRE DEPARTMENT WHILE PERFORMING THE WORK OF THIS CONTRACT.
10. CONTRACTOR SHALL NOT STORE ANY MATERIAL OR EQUIPMENT IN AREAS THAT WILL IMPEDE THE NORMAL FLOW OF PERSONNEL, AND SHALL STORE MATERIALS IN THOSE AREAS AS DIRECTED BY OWNER.
11. THE AREA OF ALTERATION AS WELL AS SURROUNDING AREAS SHALL BE KEPT FREE OF ALL DEBRIS, AND AT THE COMPLETION OF EACH WORKDAY, EACH TRADE SHALL BE RESPONSIBLE FOR CLEANING UP OF THEIR WORK.
12. EACH CONSTRUCTION TRADE SHALL COOPERATE WITH OTHER TRADES TO FACILITATE JOB SCHEDULING AND COMPLETION.
13. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH BEST STANDARD TRADE PRACTICES.
14. ALL STRUCTURES SHALL BE CAREFULLY AND THOROUGHLY SUPPORTED THROUGHOUT THE REMOVAL AND REPLACEMENT OF ALL STRUCTURAL ELEMENTS, SUCH THAT THE BUILDING EXPERIENCES NO LOSS OF INTEGRITY OR SETTLEMENT DURING WORK.
15. AS PROVIDED IN THE EXISTING BUILDING AND AS SHALL BE PROVIDED IN THE ALTERATION OF THE AFFECTED AREAS OF REMOVALS, RELOCATIONS, INSTALLATIONS, ETC. THE CONCEALED SPACES WITHIN PARTITIONS WALLS, FLOORS STAIRS PIPE SPACES COLUMN ENCLOSURES, ETC. SHALL BE COMPLETELY FIRESTOPPED, IN AN APPROVED MANNER, WITH NON-COMBUSTIBLE MATERIAL.
16. CONSTRUCTION SHALL BE CONFINED TO THE WORK AS INDICATED ON THE DRAWINGS AND SHALL NOT CREATE DUST, OR OTHER SUCH INCONVENIENCES TO OTHER AREAS. DUST SHALL BE KEPT TO A MINIMUM AND SHALL BE REMOVED AFTER EACH DAYS WORK IS COMPLETED.
17. PLUMBING CONTRACTOR SHALL NOT BLOCK HALLWAYS AND SHALL PROTECT AND MAINTAIN ENTRANCES AND EGRESS FROM BUILDING.
18. ALL PRECAUTIONS TO BE OBSERVED IN THE BUILDING TO MAINTAIN FIRE SAFETY DURING CONSTRUCTION.
19. BUILDING SECURITY TO BE MAINTAINED TO PREVENT UNAUTHORIZED PERSONS FROM ENTERING.
20. CONSTRUCTION OPERATIONS WILL NOT INVOLVE INTERRUPTION OF HEATING WATER OR ELECTRICAL SERVICES TO THE BUILDING UNLESS PRIOR NOTIFICATION WAS MADE TO THE ENGINEER.
21. FLOORS SHALL NOT BE OVERLOADED WITH CONSTRUCTION MATERIAL BEYOND THAT PERMITTED.
22. PIPING TO REMAIN SHALL BE PLUGGED OR CAPPED SO THAT UPON COMPLETION OF DEMOLITION WORK, ABANDONED PIPING WILL BE CONCEALED BEHIND FINISHED SURFACES.
23. NO DEAD ENDS SHALL BE LEFT ON PIPING.
24. THE EXISTING SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER AT COMPLETION OF DEMOLITION WORK.
25. LOCATIONS AND SIZES OF EXISTING PIPING ARE APPROXIMATE. EXACT SIZES AND LOCATIONS OF EXISTING PIPING SHALL BE VERIFIED AT THE PROJECT SITE.
26. ALL OTHER APPLICABLE NOTES SHOWN ON DWG T000 SHALL APPLY.
27. DUE TO THE SMALL SCALE OF THE DRAWINGS, ALL PLUMBING PIPING IS NOT SHOWN.

1. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR THE PERFORMANCE OF WORK AND PAY ALL FEES IN CONNECTION THEREWITH.
2. CONTRACTOR SHALL CHECK AND VERIFY THE EXACT LOCATION OF ALL PIPE PENETRATIONS, PIPE ELEVATIONS, AREA DRAINS, ETC.
3. PROVIDE SHUT OFF VALVES AND UNIONS/FLANGES AT BASE OF ALL RISERS, MAINS, ALL BRANCHES AND ALL FIXTURE/EQUIPMENT CONNECTIONS IN ORDER TO ISOLATE FOR MAINTENANCE PURPOSES.
4. VALVES, AND ANY OTHER EQUIPMENT AND ACCESSORIES THAT MAY REQUIRED ACCESS FOR MAINTENANCE OR OPERATION WHICH ARE LOCATED BEHIND WALLS AND PARTITIONS OR CONCEALED IN HUNG CEILINGS COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
5. THE CONTRACTOR SHALL COORDINATE PLUMBING WORK WITH ALL OTHER TRADES AND VERIFY DIMENSION AND LOCATION AT THE SITE PRIOR TO BEGINNING WORK. NO ADDITIONAL COSTS WILL BE ACCEPTED IF ATTRIBUTED TO FAILURE TO COORDINATE OR VERIFY.
6. ALL PLUMBING LINES SHOWN ARE DIAGRAMMATIC AND NOT INTENDED TO SHOW EXACT LOCATIONS. THE CONTRACTOR SHALL INSTALL PIPING SYSTEM TO MINIMIZE LENGTH OF RUNS AND AVOID INTERFERENCES.
7. THE CONTRACTOR SHALL PROVIDE SEAL SLEEVES INSTALLED IN FIRE-RATED WALLS, CEILINGS AND FLOORS WITH FIRE-PROOF MATERIAL EQUAL TO THE RATING OF THE RESPECTIVE WALLS, CEILINGS AND FLOORS.
8. INSTALL PIPING AS STRAIGHT AND DIRECT AS POSSIBLE FORMING RIGHT ANGEL OR PARALLEL LINES WITH BUILDING WALLS, NEATLY SPACED, RISERS PLUMB AND TRUE, AND AVOID INTERFERENCE WITH OTHER CONSTRUCTION.
9. ALL PIPE SLEEVES SHALL BE COORDINATED WITH STRUCTURAL ENGINEER FOR SIZE, LOCATION AND ELEVATION.

## ALTERATIONS TO TREASURY MOTOR POOL

### Location

BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

A1397-00

Project Number

20520.11

1/03/2023

Architect

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#	Issue/Revision	Date
1	DESIGN DEVELOPMENT	09/07/2022
2	FINAL DESIGN	11/03/2022
3	BUILDING DATA UPDATE	--/--/2022
4	TRAILER	03/27/2022

## PLUMBING - NOTES, SYMBOLS, ABBREVIATIONS, AND SCHEDULES

Sheet No.

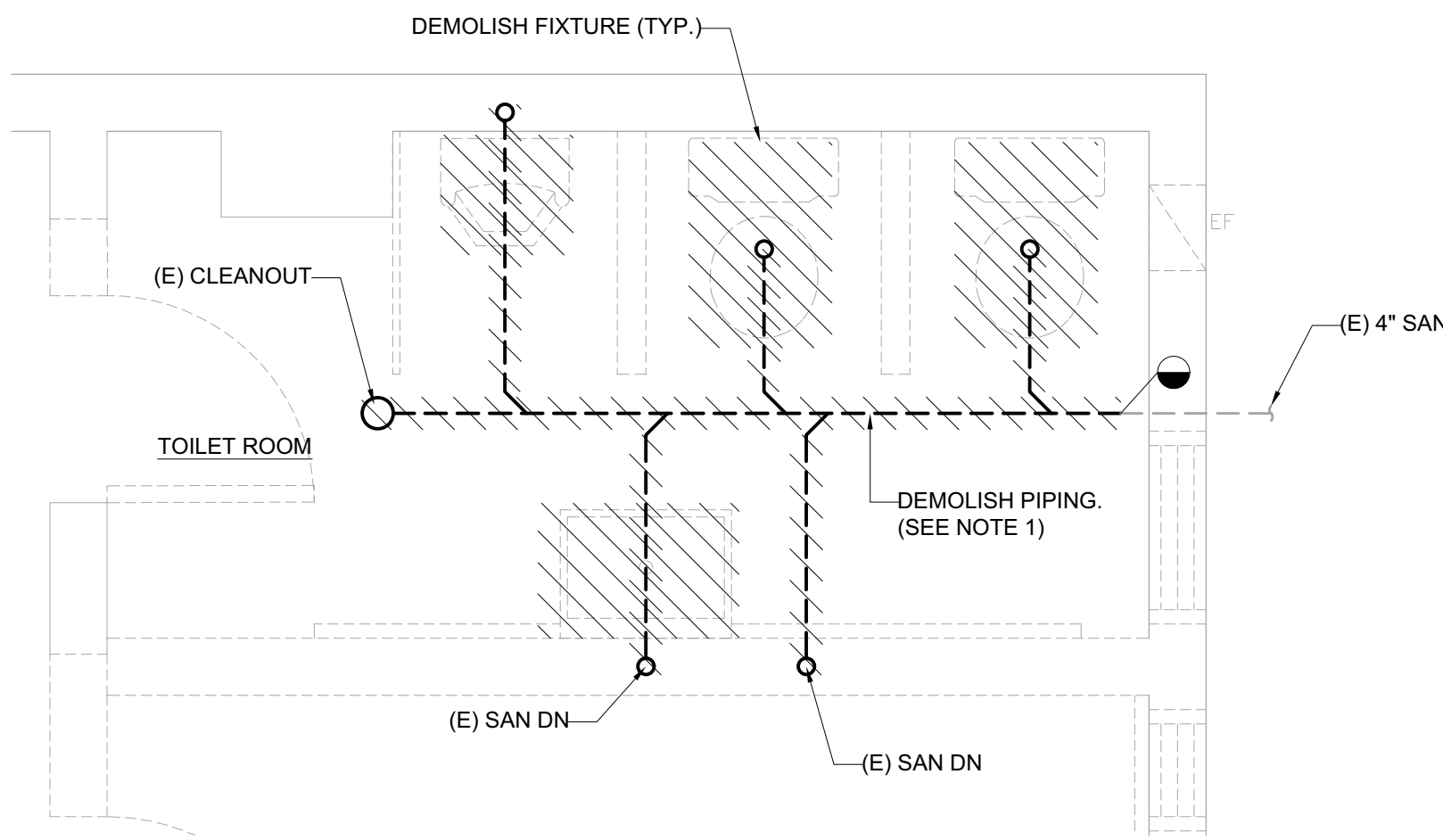
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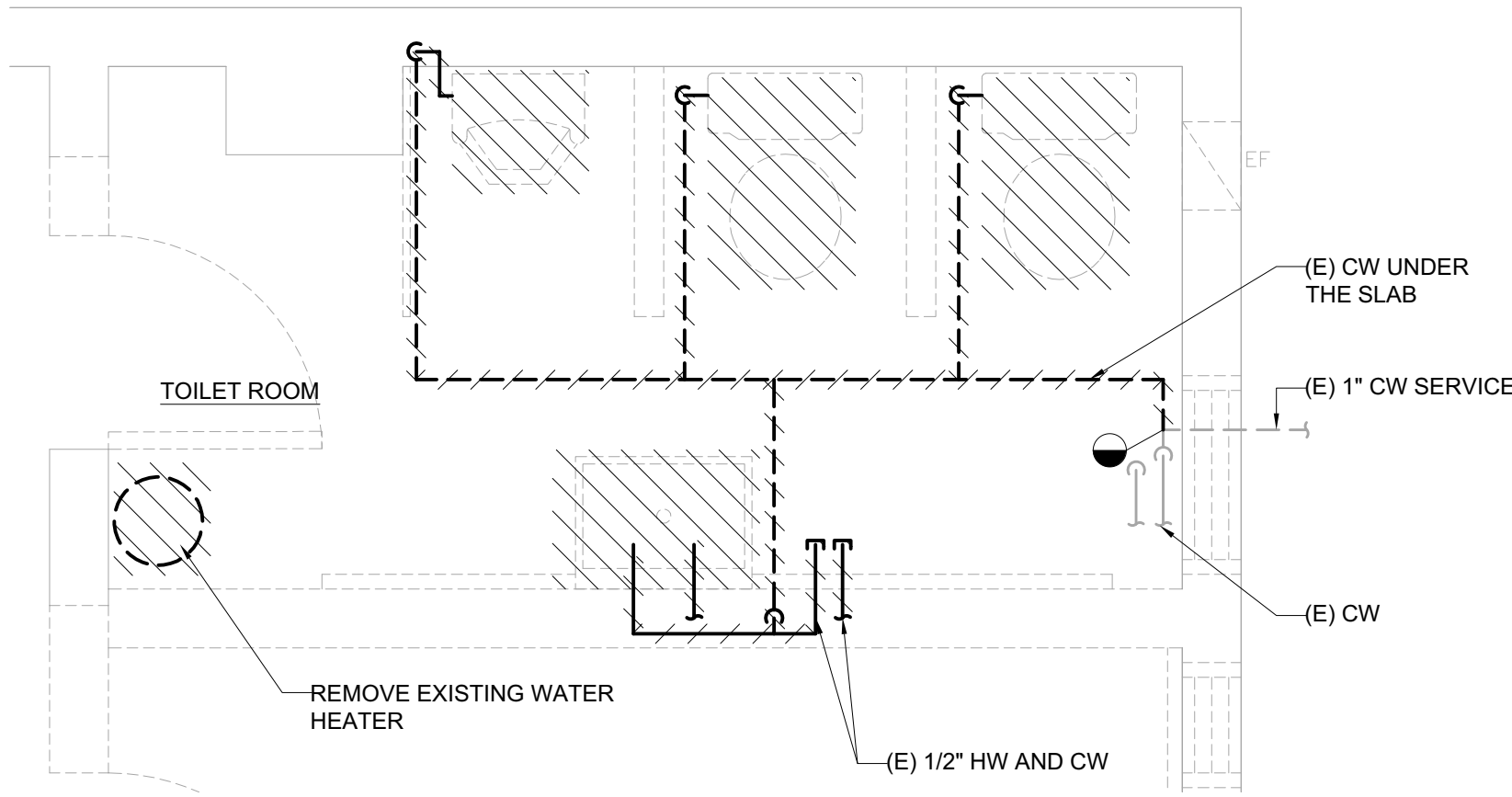
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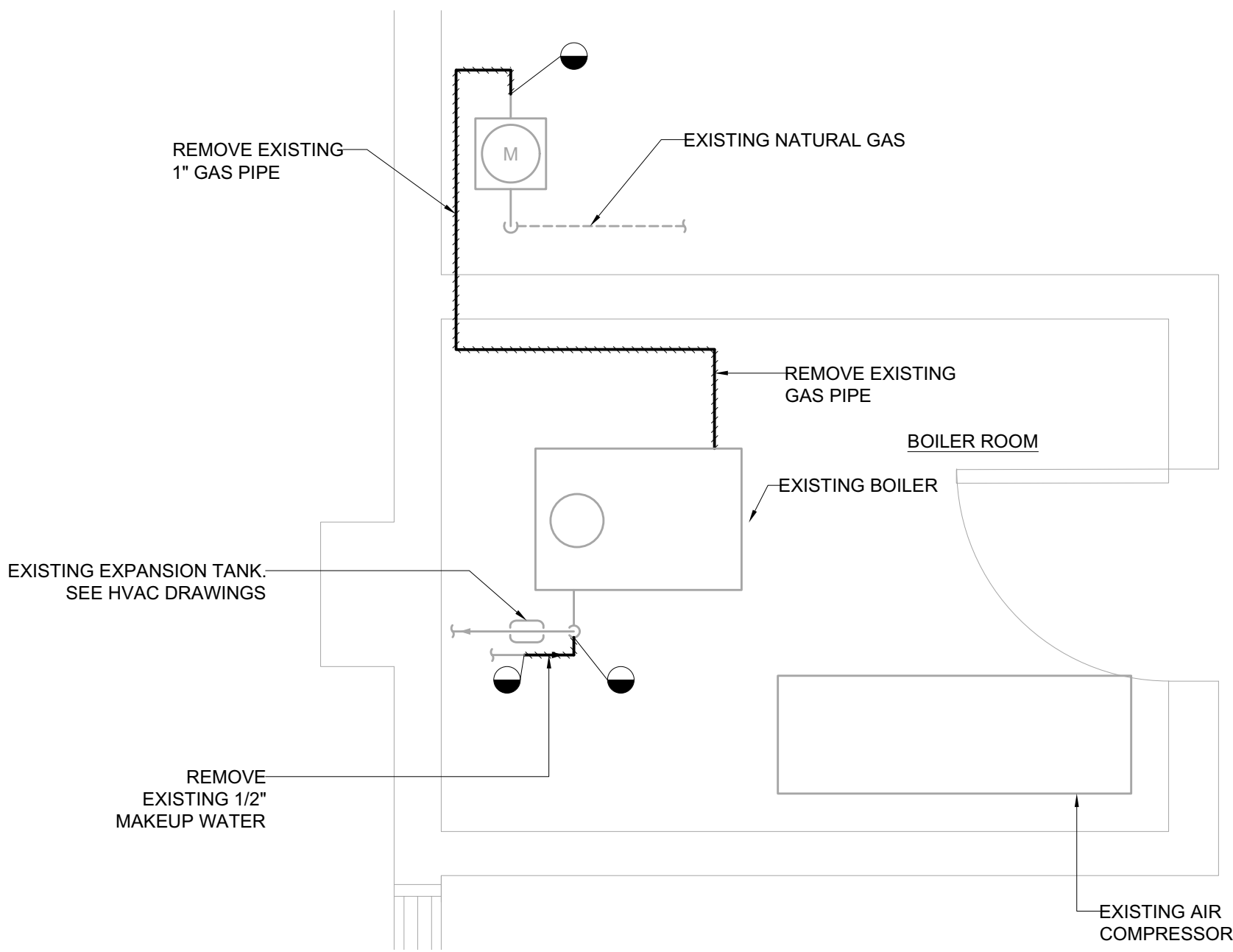
SHEET NOTES:  
1. CUT FLOOR SLAB TO  
ACCESS UNDERSLAB PIPING



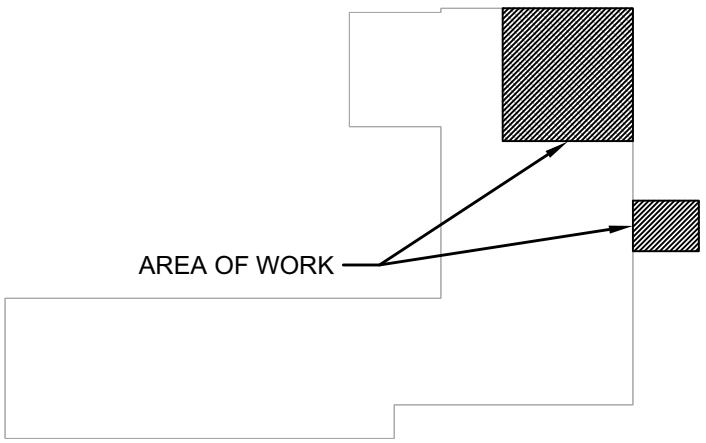
1 PLUMBING RESTROOM AND BREAK ROOM DEMOLITION FLOOR PLAN - SANITARY  
SCALE: 1/2" = 1'-0"



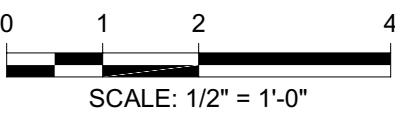
2 PLUMBING RESTROOM AND BREAK ROOM DEMOLITION FLOOR PLAN - DOMESTIC WATER  
SCALE: 1/2" = 1'-0"



3 PLUMBING BOILER ROOM DEMOLITION FLOOR PLAN  
SCALE: 1/2" = 1'-0"



KEY PLAN  
NTS



ALTERATIONS TO TREASURY  
MOTOR POOL

<b>Location</b>		
BAYSIDE STATE PRISON 4342 NJ-47 MAURICE RIVER, NJ		
<b>DPMC Number</b>		
A1397-00		
<b>Project Number</b>		
20520.11		
<b>Date</b>		
11/03/2023		
<b>Architect</b>		
Lammy + Giorgio Architecture + Design 215 Highland Ave, Suite B Haddon Twp, NJ, 08108 p.856.833.0010		

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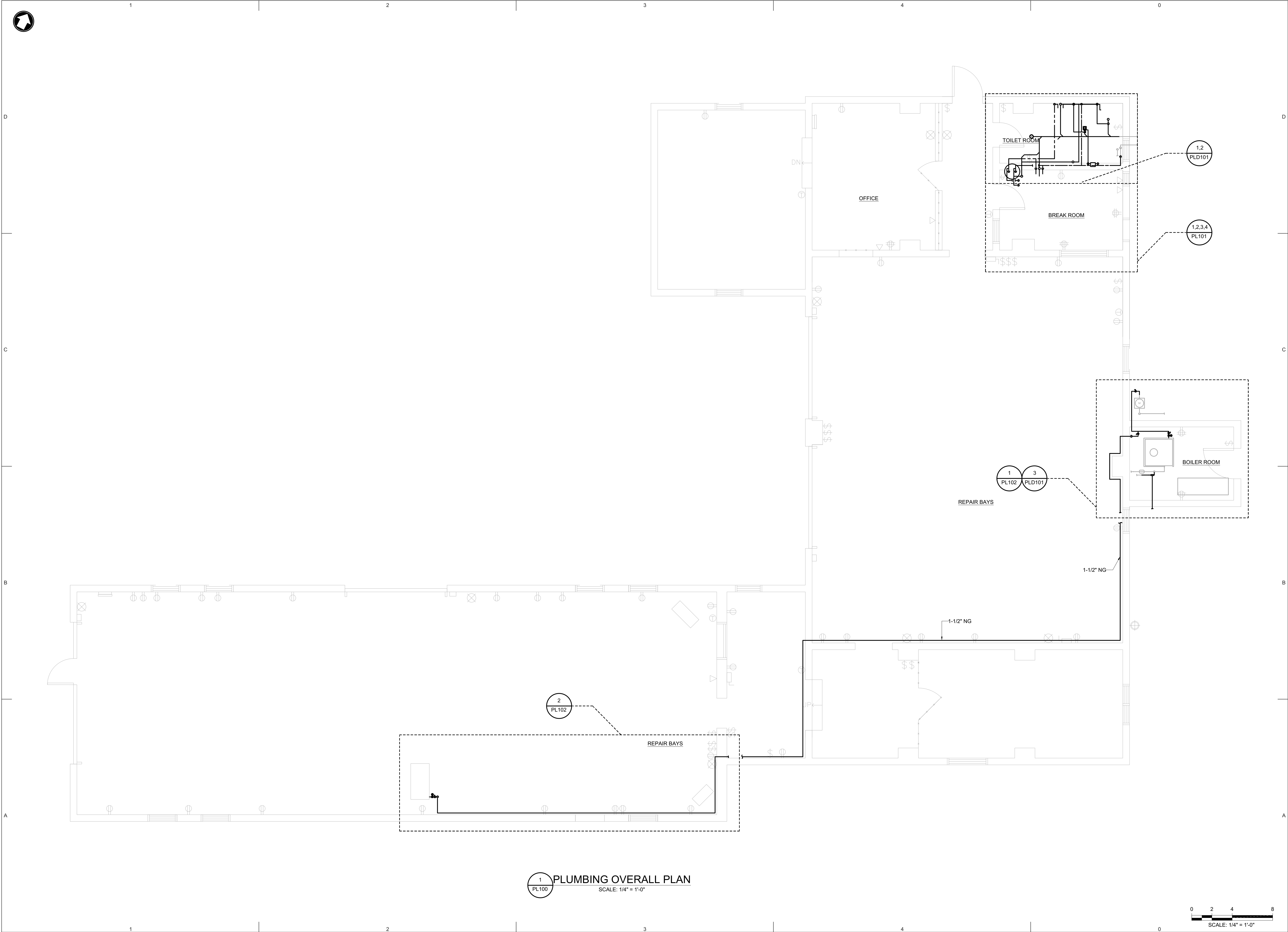
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Colin Lammy  
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1	DESIGN DEVELOPMENT	09/07/2023
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4	TRAILER	03/27/2024

**Sheet Title**  
PLUMBING - RESTROOM, BREAK  
ROOM, AND BOILER ROOM  
DEMOLITION FLOOR PLAN  
**Sheet No.**

**PLD101**  
Sheet 18 of 26  
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ALTERATIONS TO TREASURY  
MOTOR POOL

**Location**  
BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

**DPMC Number**  
A1397-00

**Project Number**  
20520.11

**Date**  
11/03/2023

**Architect**  
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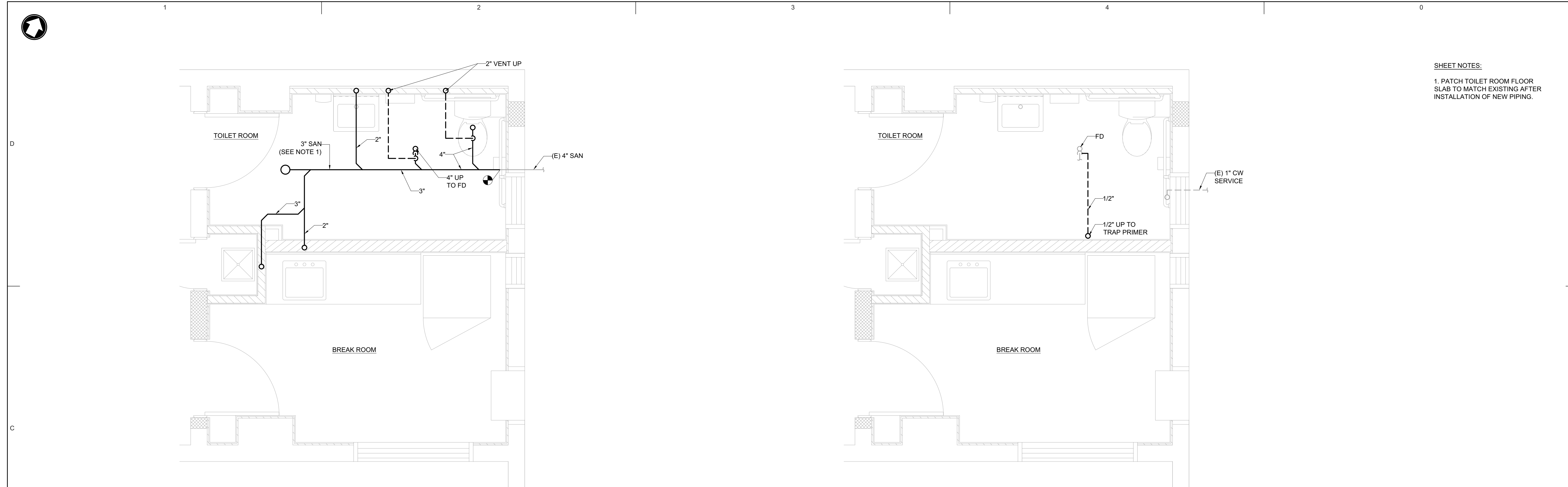
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2	FINAL DESIGN	11/03/2023
3	BUILDING DATA UPDATE	03/27/2024
4	TRAILER	03/27/2024

**Sheet Title**  
PLUMBING - OVERALL PLAN

**Sheet No.**

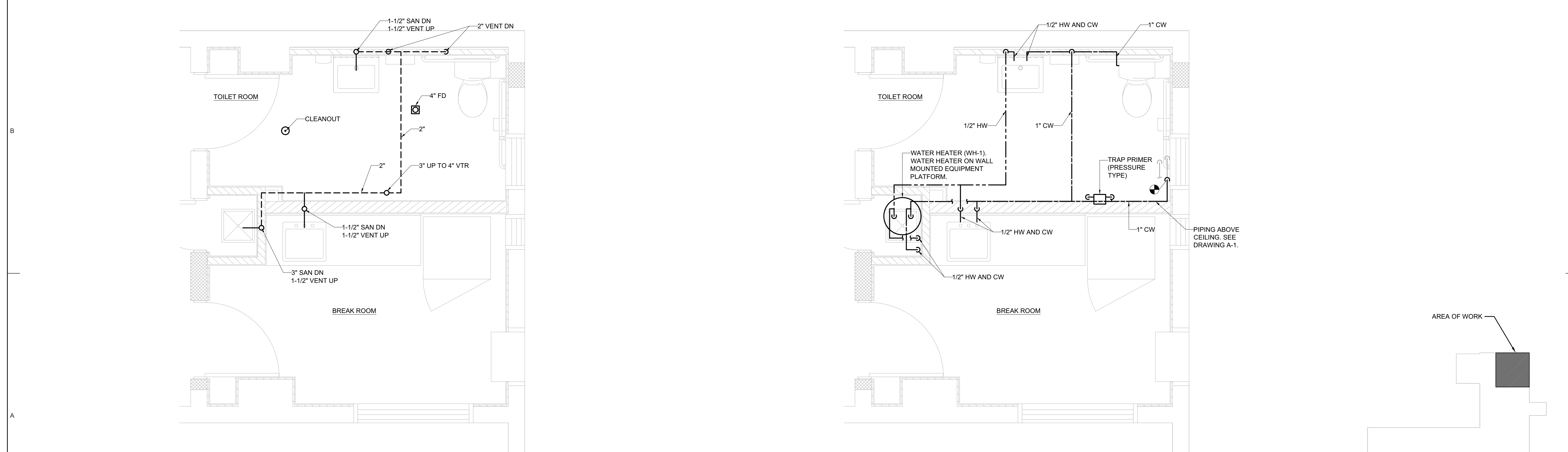
**PL100**  
Sheet 17 of 26  
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SHEET NOTES:  
1. PATCH TOILET ROOM FLOOR SLAB TO MATCH EXISTING AFTER INSTALLATION OF NEW PIPING.

1 PLUMBING RESTROOM AND BREAK ROOM UNDERSLAB FLOOR PLAN - SANITARY  
SCALE: 1/2" = 1'-0"

2 PLUMBING RESTROOM AND BREAK ROOM UNDERSLAB FLOOR PLAN - DOMESTIC WATER  
SCALE: 1/2" = 1'-0"



3 PLUMBING RESTROOM AND BREAK ROOM FLOOR PLAN - SANITARY  
SCALE: 1/2" = 1'-0"

4 PLUMBING RESTROOM AND BREAK ROOM FLOOR PLAN - DOMESTIC WATER  
SCALE: 1/2" = 1'-0"

KEY PLAN  
NTS

0 1 2 4  
SCALE: 1/2" = 1'-0"

ALTERATIONS TO TREASURY MOTOR POOL

**Location**  
BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

**DPMC Number**  
A1397-00

**Project Number**  
20520.11

**Date**  
11/03/2023

**Architect**  
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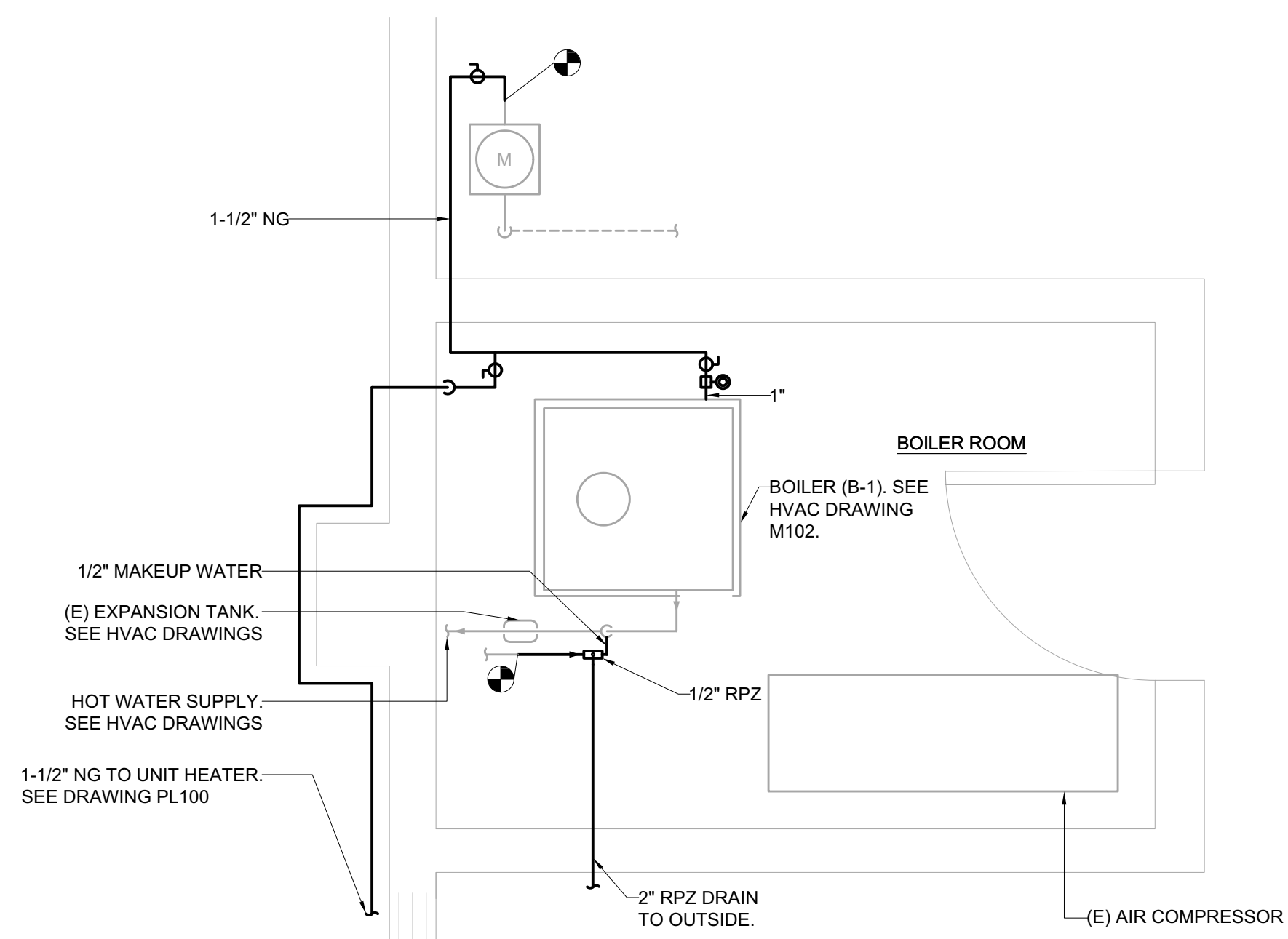
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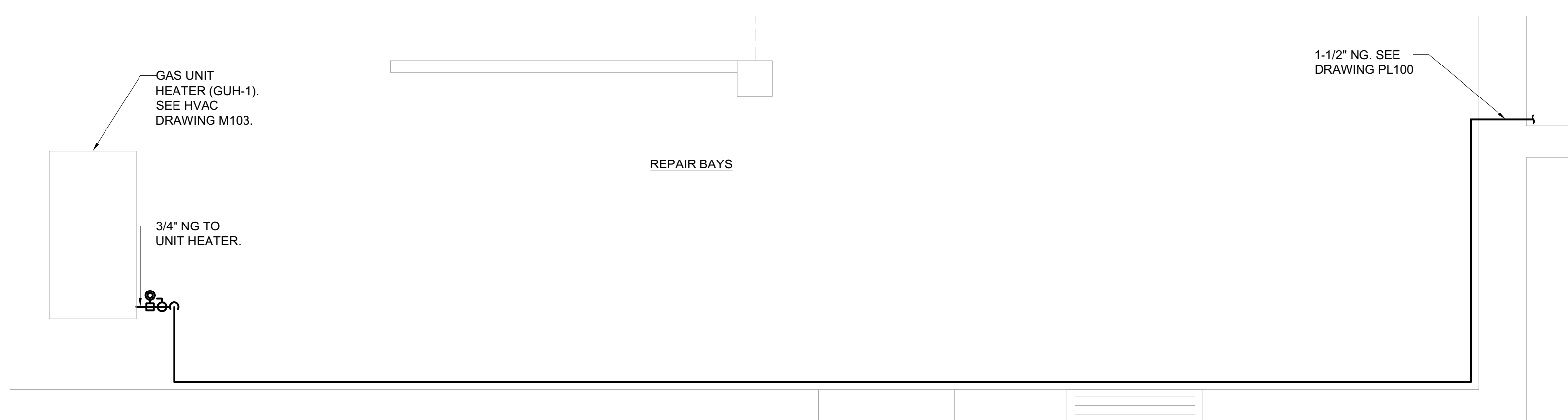
**Sheet Title**  
PLUMBING - RESTROOM AND BREAK ROOM FLOOR PLAN

**Sheet No.**  
**PL101**  
Sheet 19 of 26  
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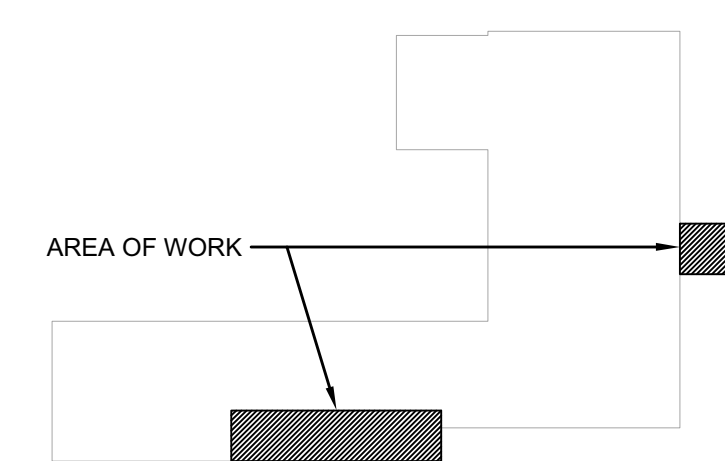




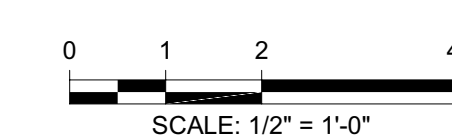
1 PLUMBING BOILER ROOM FLOOR PLAN  
PL102 SCALE: 1/2" = 1'-0"



2 PLUMBING FLOOR PLAN  
PL102 SCALE: 1/2" = 1'-0"



## KEY PLAN



## ALTERATIONS TO TREASURY MOTOR POOL

Location

BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

**DPMC Number**  
A1397-00

**Project Number**  
20520.11

**Date**  
11/03/2023

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**GIORGIO**

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Sheet Title

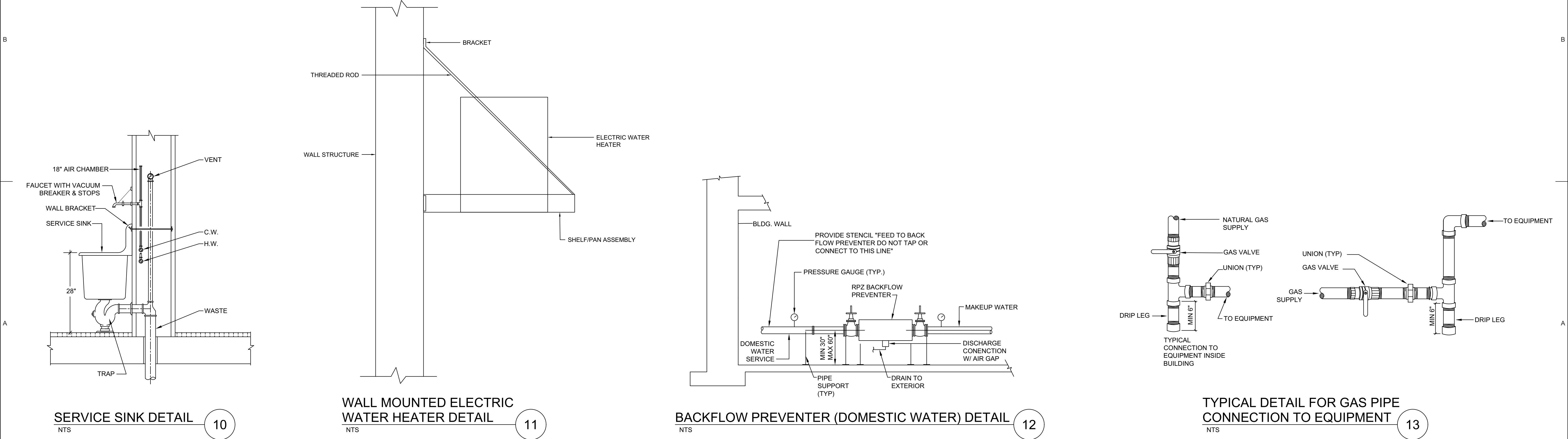
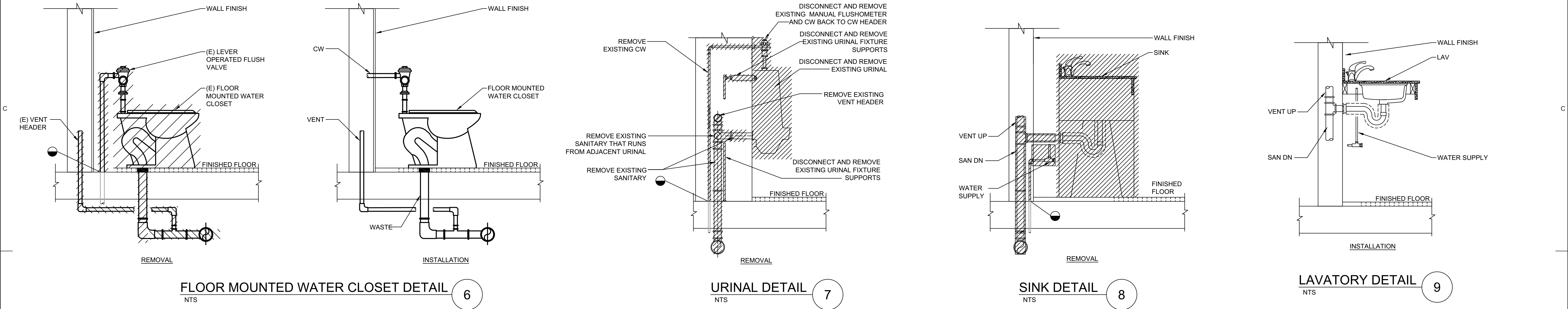
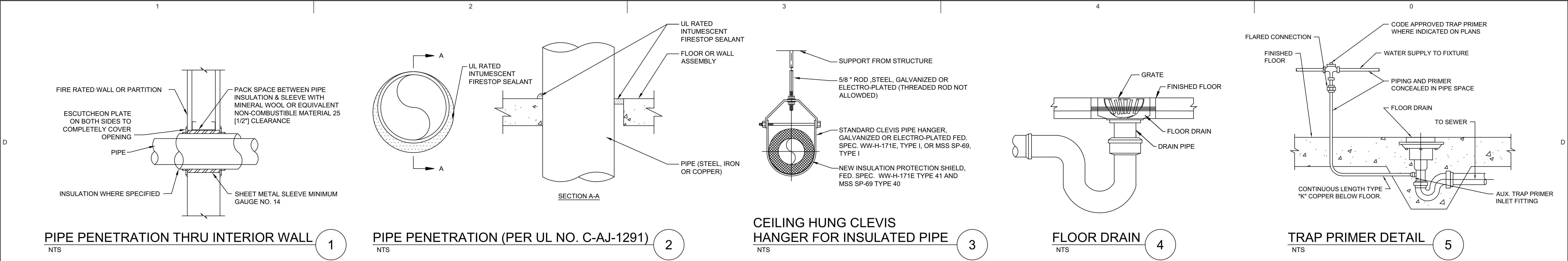
### PLUMBING - BOILER ROOM AND REPAIR BAYS FLOOR PLAN

Sheet No.

PL102

Sheet 20 of 26  
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ALTERATIONS TO TREASURY  
MOTOR POOL

**Location**  
BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

**DPMC Number**  
A1397-00

**Project Number**  
20520.11

**Date**  
11/03/2023

**Architect**  
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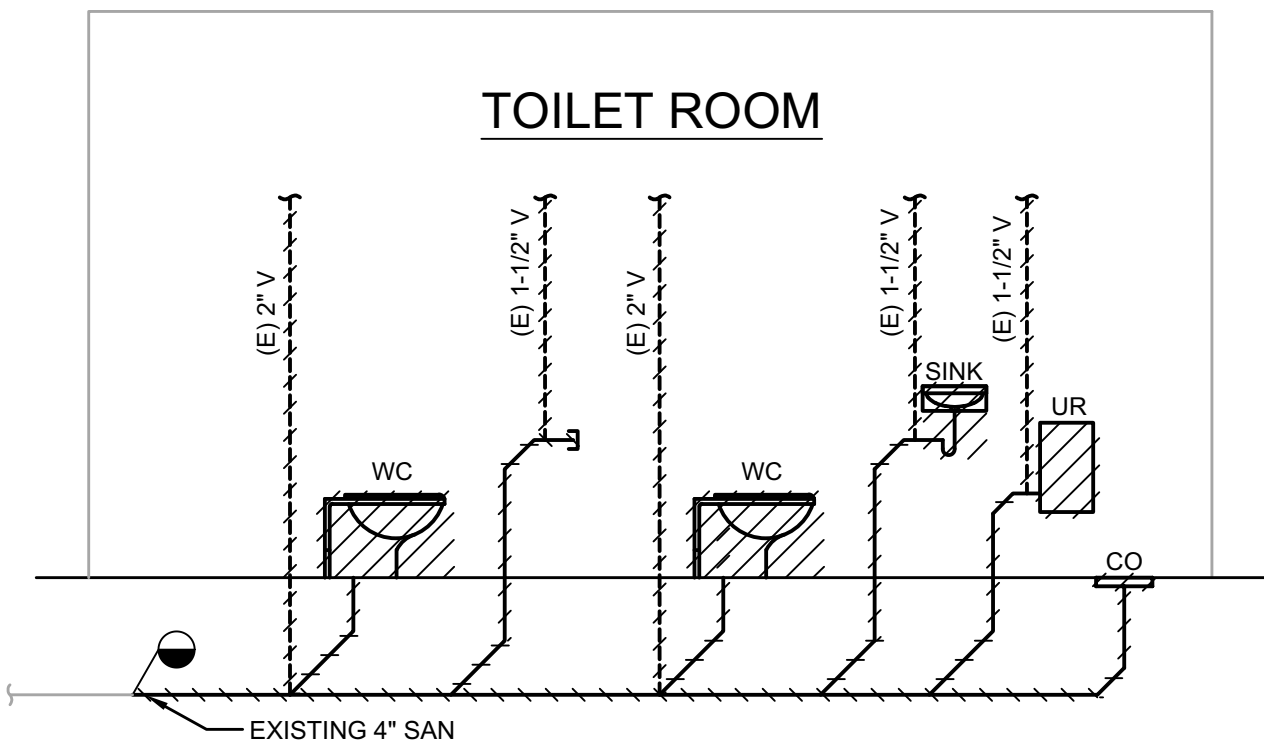
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Calvin Krough  
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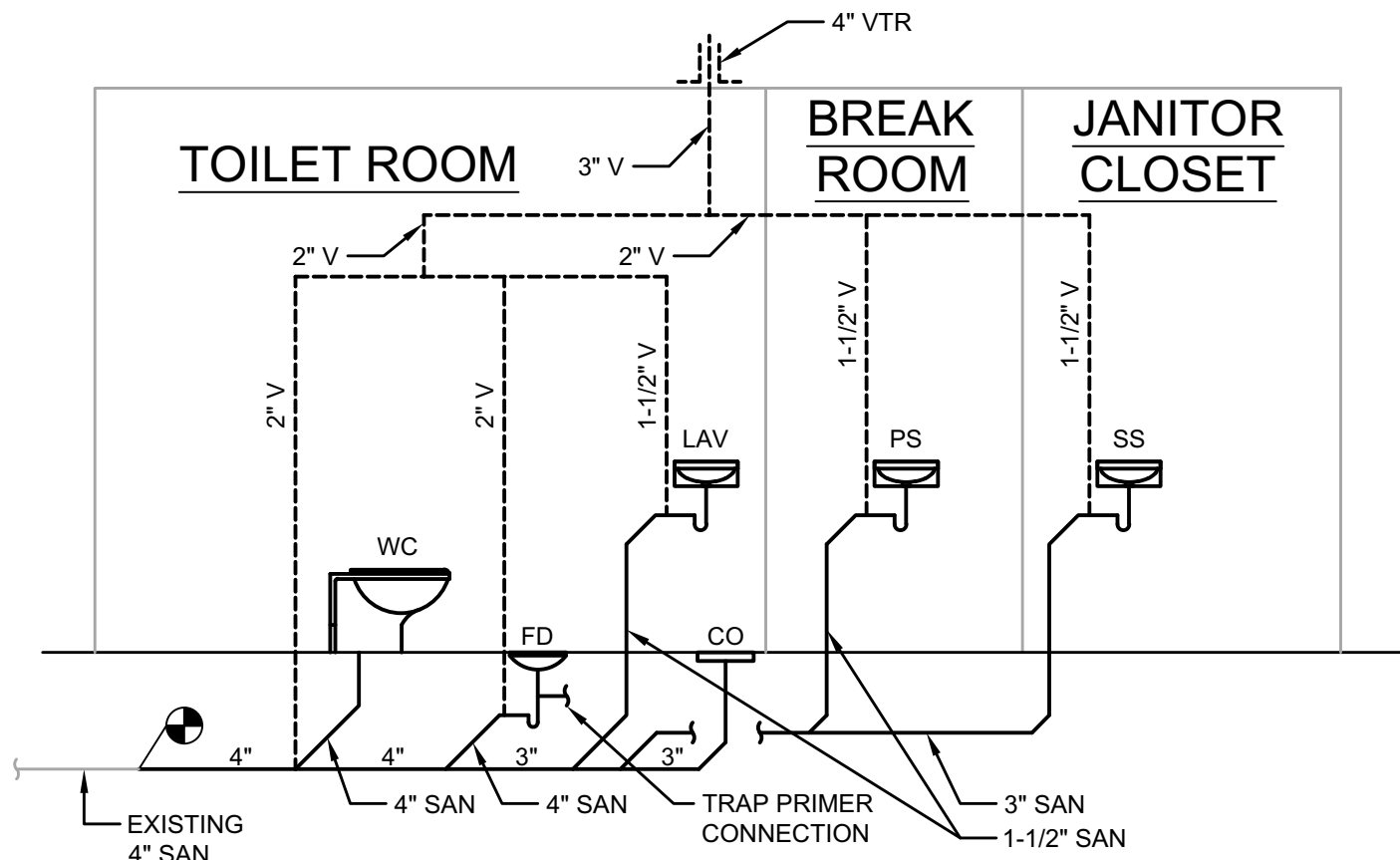
#	Issue/Revision	Date
1	DESIGN DEVELOPMENT	09/07/2023
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3	BUILDING DATA UPDATE	11/03/2024
4	TRAILER	03/27/2024

**Sheet Title**  
PLUMBING - DETAILS

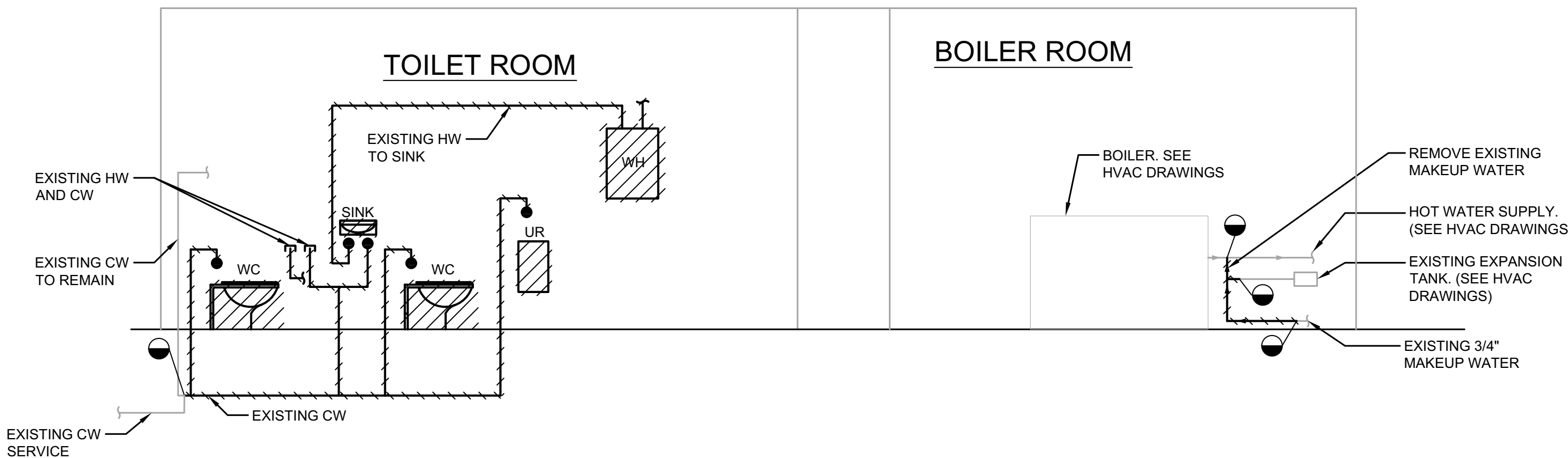
**Sheet No.**  
**PL501**  
Sheet 21 of 26  
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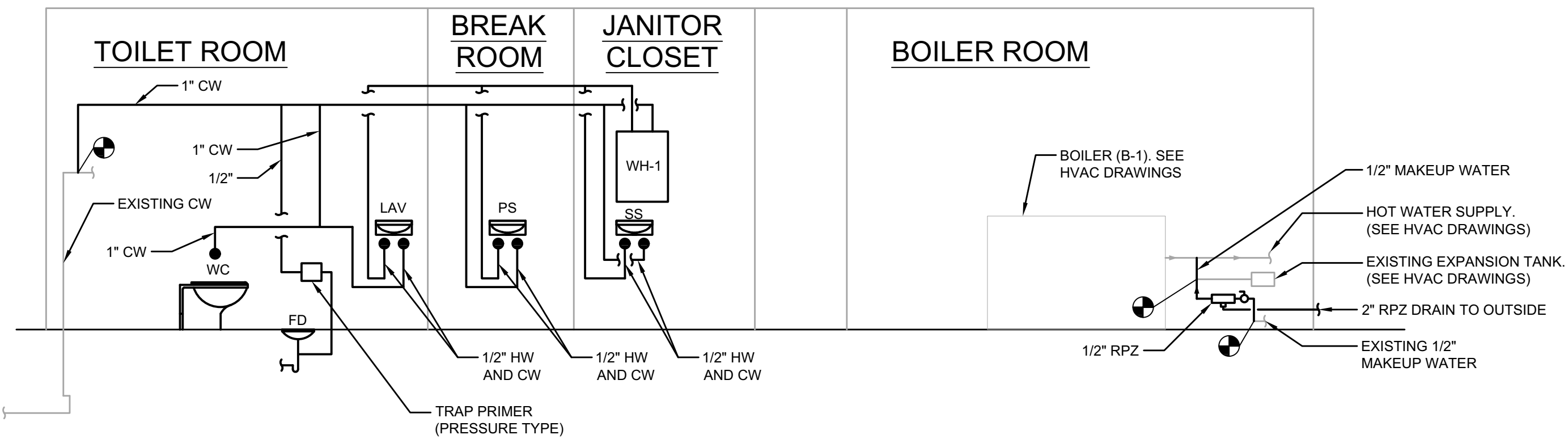
SANITARY RISER DIAGRAM - REMOVAL



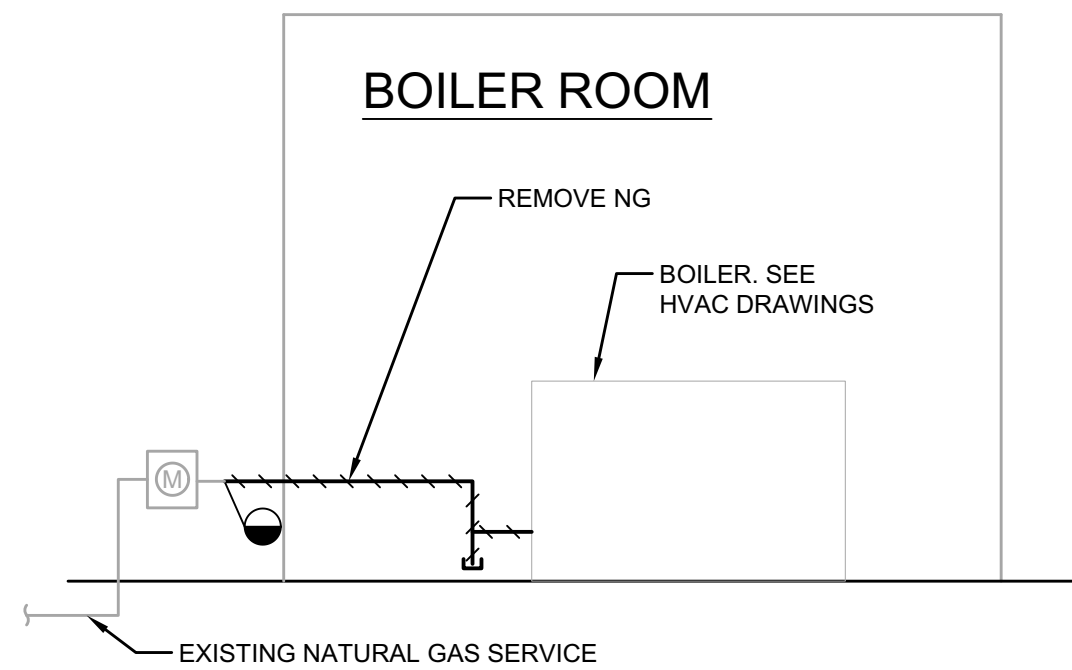
SANITARY RISER DIAGRAM - INSTALLATION



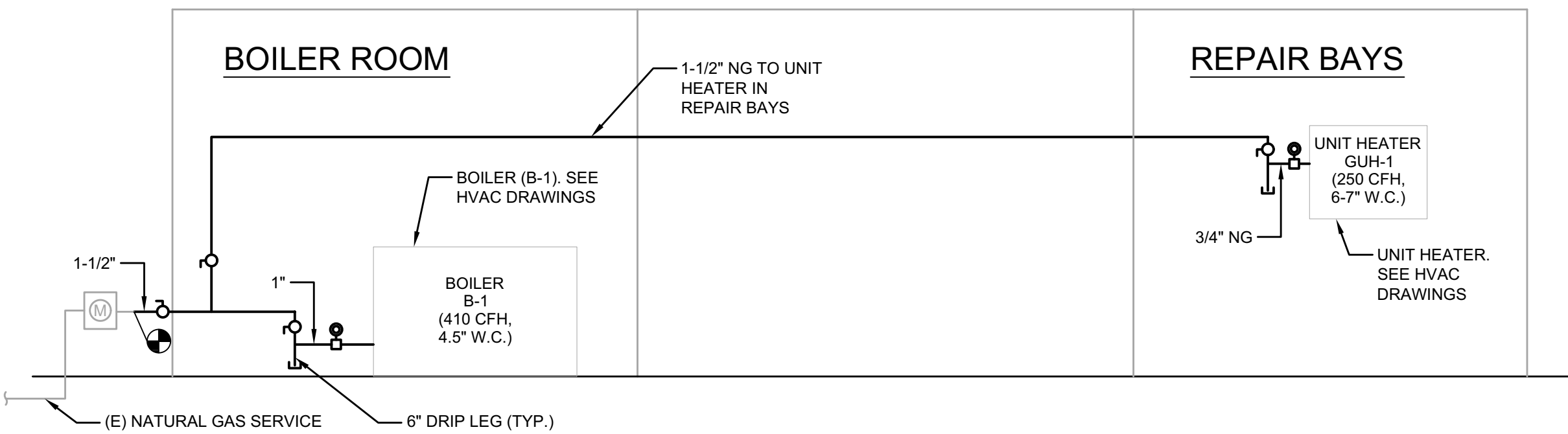
DOMESTIC WATER RISER DIAGRAM - REMOVAL



DOMESTIC WATER RISER DIAGRAM - INSTALLATION



NATURAL GAS RISER DIAGRAM - INSTALLATION



NATURAL GAS RISER DIAGRAM - INSTALLATION

ALTERATIONS TO TREASURY  
MOTOR POOL

Location

BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

DPMC Number

A1397-00

Project Number

20520.11

Date

11/03/2023

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4	TRAILER	03/27/2024

Sheet Title

PLUMBING - RISER DIAGRAMS

Sheet No.

PL601



GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (2020), NATIONAL ELECTRIC SAFETY CODE, N.F.P.A., O.S.H.A. REGULATIONS AND ALL OTHER EXISTING CODES AND REGULATIONS OF AUTHORITIES WHICH HAVE JURISDICTION.
2. THE CONTRACT DRAWINGS ARE DIAGRAMMATIC IN NATURE AND NOT EVERY DETAIL OR CONDUIT IS SHOWN. EXISTING CONDITIONS AND DIMENSIONS SHALL BE VERIFIED IN THE FIELD BEFORE COMMENCING ANY FABRICATION, ORDERING ANY MATERIAL, OR PERFORMING ANY WORK. ANY DEPARTURE FROM CONCEPT SHOWN ON THE CONTRACT DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. ALL ELECTRICAL EQUIPMENT SHOWN ON THE DRAWINGS AND/OR REQUIRED FOR THE FULL INTEGRITY OF THE CONTRACT SHALL BE FURNISHED, INSTALLED AND CONNECTED BY THE CONTRACTOR, EXCEPT WHERE EQUIPMENT SHOWN IS IDENTIFIED AS "EXISTING" OR OTHERWISE NOTED ON THE DRAWINGS.
3. UNLESS OTHERWISE NOTED, EQUIPMENT AND MATERIALS TO BE PROVIDED SHALL BEAR LISTING AND LABELING BY A NATIONALLY RECOGNIZED TESTING AGENCY WHERE SUCH STANDARD HAD BEEN ESTABLISHED FOR THAT TYPE OF EQUIPMENT/MATERIAL.
4. CONTRACTOR SHALL VISIT THE PROJECT SITE AND EXAMINE AND CONFIRM EXISTING CONDITIONS. ALL CHANGES SHALL BE PRESENTED DURING SHOP DRAWING SUBMITTALS FOR ENGINEER'S APPROVAL.
5. CONDUITS SHALL CONTAIN AN INSULATED GROUND WIRE BONDED TO ENCLOSURES AND SIZED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC, IF SIZE IS NOT SHOWN ON THE CONTRACT DRAWINGS.
6. THE CONTRACTOR SHALL PROVIDE CONDUIT FITTINGS, CONNECTORS, CLAMPS, HARDWARE, HANGERS, AND SUPPORTS AS NECESSARY FOR A COMPLETE INSTALLATION.
7. THE CONTRACTOR SHALL PROVIDE TAGS FOR EQUIPMENT, CONDUITS, AND CABLES THAT ARE INSTALLED UNDER THIS CONTRACT. TAG IDENTIFICATIONS SHALL BE IN ACCORDANCE WITH CONTRACT DRAWINGS. TAGS FOR CONDUITS SHALL BE AS DESCRIBED IN SPECIFICATIONS.
8. UNUSED OPENINGS IN CONDUITS, BOXES, DISCONNECT SWITCHES, CABINETS, AND PANEL BOARDS SHALL BE CAPPED OR PLUGGED.
9. UPDATE EXISTING PANELBOARD DIRECTORIES TO REFLECT THE CIRCUITING IN EXISTING PANELBOARDS AFFECTED BY THIS ALTERATION.
10. CONTRACTOR SHALL PROVIDE THE NECESSARY MATERIALS, LABOR AND ATTENDANCE FOR THE OPERATION OF TEMPORARY LIGHT AND CONSTRUCTION POWER AS REQUIRED DURING WORKING HOURS FOR THE ENTIRE CONSTRUCTION PERIOD.
11. CONTRACTOR SHALL MAINTAIN CONTINUITY OF ANY EXISTING CIRCUITS AFFECTED BY THIS ALTERATION. RECONNECT ALL ALTERED OR REROUTED WORK TO ITS FULLY FUNCTIONAL STATE PRIOR TO ALTERATION.
12. PROVIDE ALL NECESSARY TEMPORARY WIRING TO MAINTAIN EXISTING INSTALLATIONS WHICH MUST REMAIN IN SERVICE DURING CONSTRUCTION PERIOD.
13. ALL BRANCH CIRCUITS OVER 75 FEET IN LENGTH SHALL BE RUN WITH #10 CONDUCTOR, UNLESS OTHERWISE NOTED.
14. SCHEDULE ALL DISCONNECTION AND INTERRUPTIONS OF ELECTRICAL SERVICE, COMMUNICATIONS AND SUPERVISORY SYSTEMS WITH THE OWNER AND ENGINEER.
15. CONTRACTORS SHALL FOLLOW ALL OWNER SITE SAFETY WORK PROCESSES AND PROCEDURES, FOR EXAMPLE, WORK PERMITS, SAFETY TASK ANALYSIES, LOCKOUT TAGOUT (LOTO), LOCK, TAG AND TRY, AND RED TAG, ETC.
16. CONTRACTORS SHALL COORDINATE ALL WORK ACTIVITIES WITH OPERATIONS, MAINTENANCE, AND OTHER CONTRACTORS.
17. MECHANICAL CONTROL CONTRACTOR SHALL PROVIDE CONTROL WIRING AND CONDUITS FOR HVAC EQUIPMENT ACCORDING TO SEQUENCE OF OPERATIONS PROVIDED ON MECHANICAL DRAWINGS, SPECIFICATION SECTION 230923 AND MANUFACTURER RECOMMENDATIONS.

PANEL: PP2 (E)					LOCATION: REFER TO PLANS								
CKT#	BKR.	POLE	DESCRIPTION	VA	PHASE A	PHASE B	PHASE C	VA	DESCRIPTION	POLE	BKR.	CKT#	
1	70	2	WELDER (E)		-				OLD COMP. (E)	2	30	2	
3					-			4					
5						-						6	
7	80	2	NEW COMP. (E)		180			180	WATER HEATER (E)	1	20	6	
									RESTROOM GFI	1	20	8	
9	20	1	EXISTING LOAD			-			GAS STATION (E)	3	60	10	
11	20	1	EXISTING LOAD				-					12	
13	20	1	BREAK ROOM		-							14	
15	20	1	EXISTING LOAD			-						16	
17	20	1	EXISTING LOAD					-	EXISTING LOAD	1	20	18	
19	20	1	EXISTING LOAD		-				EXISTING LOAD	1	20	20	
21	20	1	EXISTING LOAD			-			LUNCH ROOM (E)	1	20	22	
23	20	1	EXISTING LOAD					-	EXISTING LOAD	1	20	24	
25	20	1	EXISTING LOAD		-				EXISTING LOAD	1	20	26	
27	20	1	EXISTING LOAD			-			LIGHTS-OFFICE BREAKROOM (E)	1	20	28	
29	20	1	EXISTING LOAD					-	VEEDER ROOT (E)	1	20	30	
31	20	1	PARTS HEATER (E)		200			200	EXHAUST FANS "EF-1" & "EF-2"	1	20	32	
33	20	1	PARTS AQUA-STAT (E)			1500		1500	WATER HEATER "WH-1"	2	20	34	
35	20	1	PARTS RM. HEATER (E)				1500	1500				36	
37	20	1	BREAK ROOM REFRIGERATOR	500	500				1ST LIFE (E)	3	40	38	
39	20	1	CONDENSATE PUMP "CP-1"	100		100						40	
41			SPACE				-					42	
TOTAL CONNECTED LOAD (VA) PER PHASE:					880	1600	1500						
CONNECTED LOAD (AMPS) PER PHASE					7	13	13						
TOTAL CONNECTED LOAD (VA):					3980								
TOTAL CONNECTED LOAD (AMPS):					11								

LIGHTING FIXTURE SCHEDULE								
MARK	LAMPS-NUMBER/TYPE	VOLTAGE	LOAD	LUMENS	TEMPERATURE	CRI	MOUNTING	REMARKS
AE	LED CEILING 2X2	MVOLT	25W	3000 LM	4000 K	80	RECESSED	PROVIDE EMERGENCY BATTERY BACKUP
BE	LED WALL SCONCE	MVOLT	28W	2944 LM	4000 K	80	SURFACE	PROVIDE EMERGENCY BATTERY BACKUP

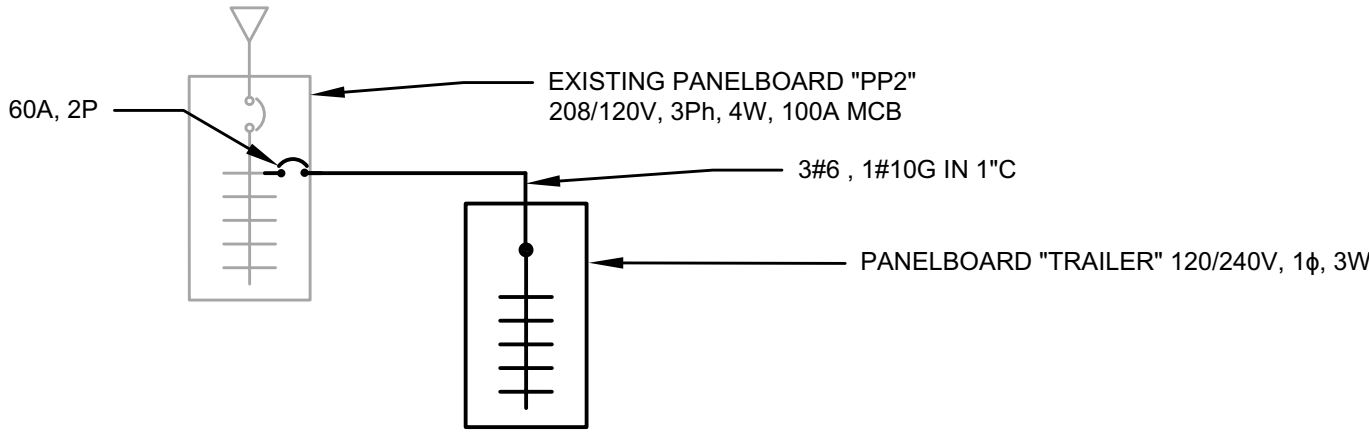
ABBREVIATIONS

A, AMP	AMPERE
ABBR	ABBREVIATIONS
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AIC	AVAILABLE INTERRUPTING CAPACITY
AT	AMPERE TRIP
AWG	AMERICAN WIRE GAUGE
BKR, B	BREAKER
C, CDT	CONDUIT
CKT BKR	CIRCUIT BREAKER
CKT(S)	CIRCUIT(S)
C.O	CENTRAL OFFICE
CU	COPPER
DISC	DISCONNECT
DWG(S)	DRAWING(S)
EA	EACH
ELEC	ELECTRIC, ELECTRICAL
EMT	ELECTRO-METALLIC TUBING
EM, EMERG	EMERGENCY
EQUIP	EQUIPMENT
EN	EXISTING IN NEW LOCATION
EP	EXPLOSION PROOF
EPO	EMERGENCY POWER OFF
ER	EXISTING TO RELOCATE
E, EXIST	EXISTING
FC	FAN COIL
FIXT	FIXTURE
FL	FLOOR
G, GND, GRD	GROUND
GFI	GROUND FAULT CIRCUIT INTERRUPT
HP	HORSEPOWER
IDS	INTRUSION DETECTION SYSTEM
J.BOX, J.B.	JUNCTION BOX
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOURS
KWM	KILOWATT HOUR METER
LTC	LIGHTING
LTS	LIGHTS
MCB	MAIN CIRCUIT BREAKER
MVOLT	MULTI-VOLT
N, NEUT	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
No.	NUMBER
NL	NIGHT LIGHT
P	POLE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PNL	PANEL
Ø,	PH, PHASE
PWR	POWER
RECPT	RECEPTACLE
REF	REFERENCE
RM	ROOM
RR	EXISTING PANEL TO BE REPLACED WITH NEW
SPEC	SPECIFICATION
SW	SWITCH
TBR	TO BE RELOCATED
TYP	TYPICAL
U.O.N	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLT-AMPS
W	WATT
W	WIRE(S)
WP	WEATHER PROOF
XFMR	TRANSFORMER

SYMBOLS

	NEW INSTALLATION
	INDICATES DEMOLITION
	INDICATES TEMPORARY REMOVAL
	HOME RUN AS INDICATED ON DRAWINGS
	DISCONNECT SWITCH
	MOTOR RATED SWITCH
	WALL MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED ELECTRICAL PANELBOARD OR DEVICE
	LIGHTING FIXTURE, AS INDICATED ON LIGHTING SCHEDULE X FIXTURE TYPE
	EMERGENCY LIGHTING FIXTURE, AS INDICATED ON LIGHTING SCHEDULE X FIXTURE TYPE
	CONNECTION TO ELECTRICAL UTILITY, VOLTAGE, PHASES AS INDICATED
	CIRCUIT BREAKER
	PANELBOARD, ELECTRICAL RATINGS AS INDICATED
	GROUND
	INDUCTION MOTOR
	JUNCTION BOX
	CARBON MONOXIDE DETECTOR
	DRAWING KEY PLAN NOTE SYMBOL
	DRAWING DEMOLITION PLAN NOTE SYMBOL
	PLAN REFERENCE

PANEL: LC					LOCATION: GARAGE									
CKT#	BKR.	POLE	DESCRIPTION	VA	PHASE A	PHASE B	PHASE C	VA	DESCRIPTION	POLE	BKR.	CKT#		
1	15	3	GAS FIRE UNIT HEATER "GUH-1"	903	903				SPACE			2		
3				903		903			SPACE			4		
5				903		903			SPACE			6		
7	20	1	SPARE		-				SPACE			8		
9	20	1	SPARE			-			SPACE			10		
11							-		SPACE			12		
TOTAL CONNECTED LOAD (VA) PER PHASE:					903	903	903							
CONNECTED LOAD (AMPS) PER PHASE					8	8	8							
TOTAL CONNECTED LOAD (VA):					2709									
TOTAL CONNECTED LOAD (AMPS):					8									
OPTIONS														
VOLTS L-L:		208	MAIN OVERCURRENT:		40A		BUS MATERIAL:		Cu		MOUNTING:		SURFACE	
VOLTS L-N:		120	MAIN BUS RATING:		100A		NEUTRAL SIZE:		100%		ENCLOSURE TYPE:		TYPE 12	
PHASE:		3	MINIMUM A.I.C.:		10kA		DEMAND FACTOR		1.00		GROUND:		EQUIPMENT	
WIRE:		4												



TEMPORARY TRAILER ONE-LINE DIAGRAM

NTS



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David Godbolt  
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N.J.S.A. 52:27D-119 ET SEQ., AS AMENDED

ALTERATIONS TO TREASURY  
MOTOR POOL

Location

BAYSIDE STATE PRISON  
4342 NJ-47  
MAURICE RIVER, NJ

DPMC Number

A1397-00

Project Number

20520.11

Date

11/03/2023

Architect

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Isos Bonas  
A12335502287416

#	Issue/Revision	Date
1	DESIGN DEVELOPMENT	09/07/2023
2	FINAL DESIGN	11/03/2023
3	BUILDING DATA UPDATE	--/--/2024
4	TRAILER	03/27/2024

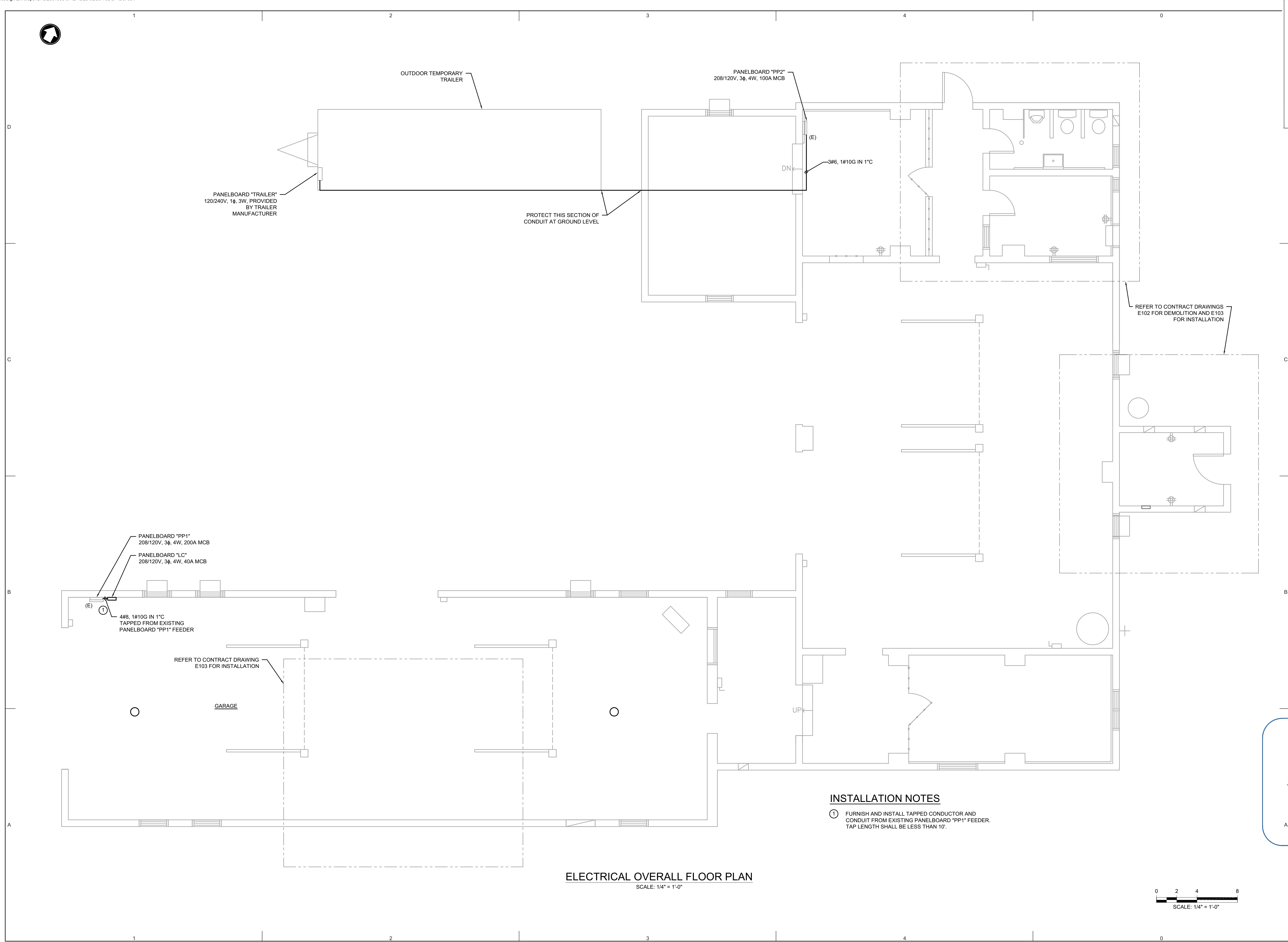
Sheet Title

ELECTRICAL GENERAL NOTES,  
SYMBOLS, AND ABBREVIATIONS

Sheet No.

E001

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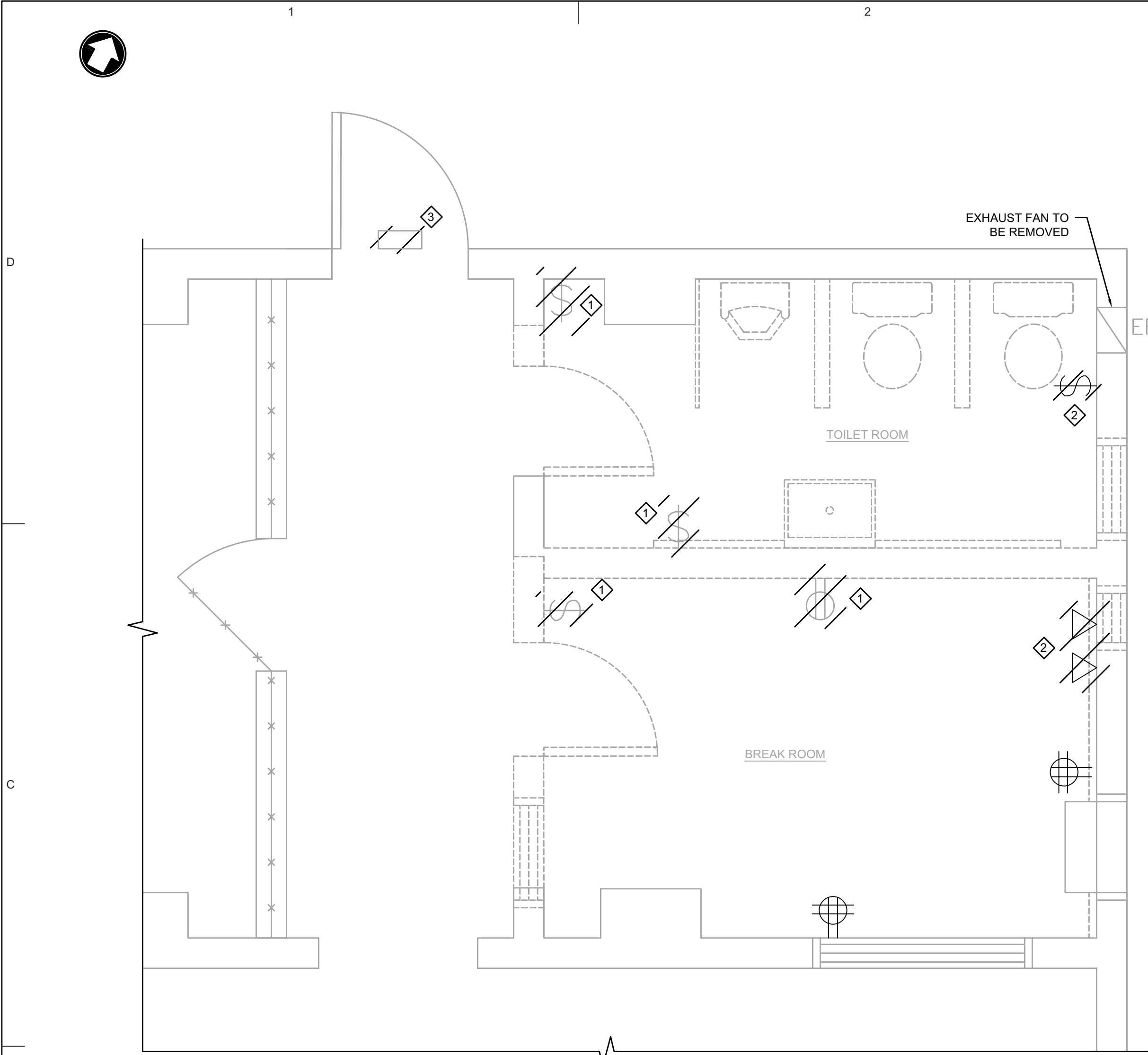
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**Sheet Title**  
ELECTRICAL OVERALL  
FLOOR PLAN

**Sheet No.**

**E101**  
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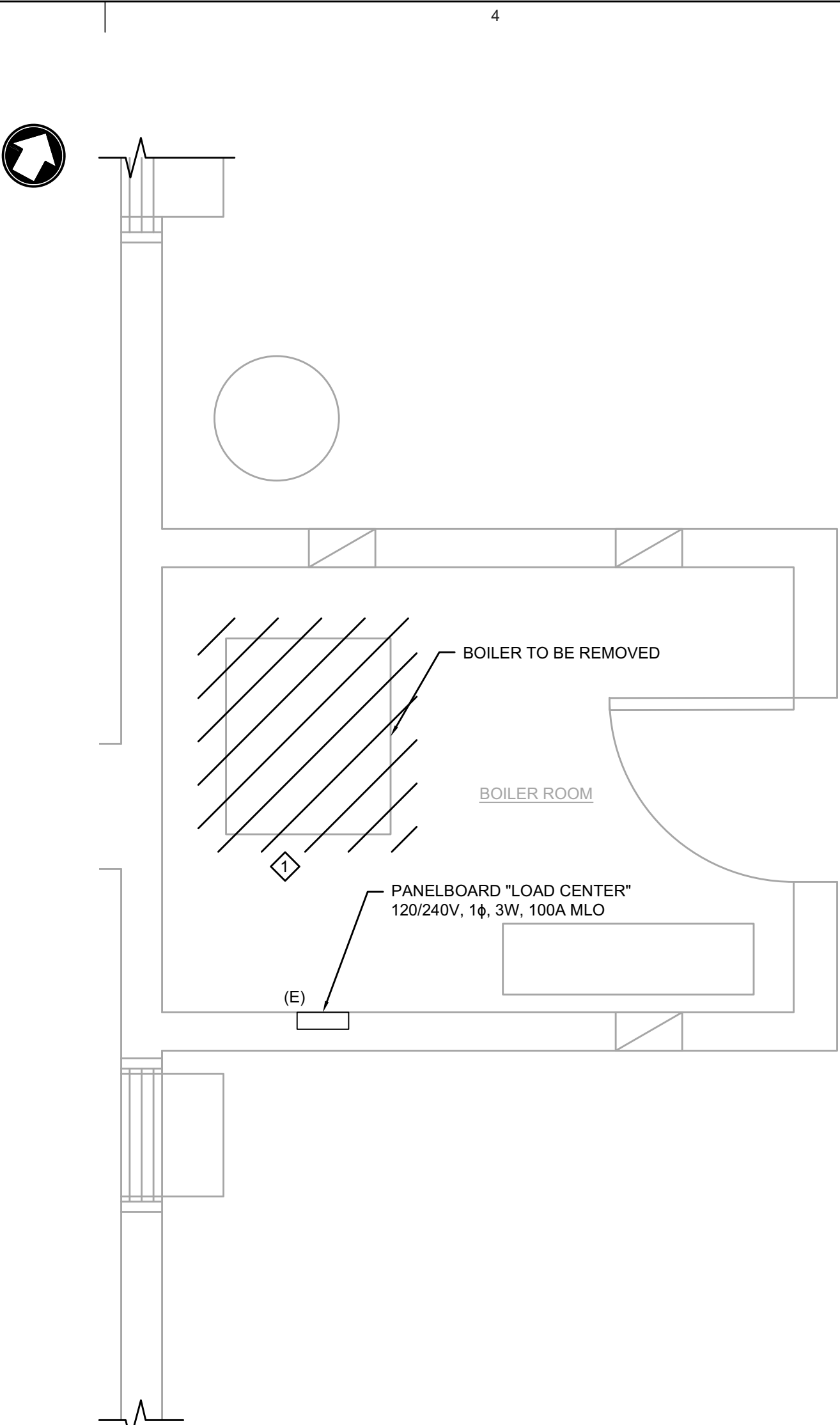




**ELECTRICAL RESTROOM AND BREAK ROOM DEMOLITION FLOOR PLAN**  
SCALE: 1/2" = 1'-0"

**DEMOLITION NOTES**

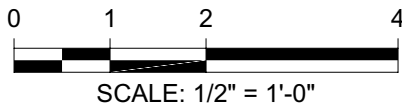
- 1 DISCONNECT AND REMOVE EXISTING POWER RECEPTACLES AND LIGHT SWITCHES. CAP AND PRESERVE CONDUIT AND WIRING FOR FUTURE USE.
- 2 DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND EXISTING DATA RECEPTACLES AND ALL ASSOCIATED CONDUIT AND WIRING.
- 3 DISCONNECT AND REMOVE EXISTING EXTERIOR LIGHT FIXTURE. CAP AND PRESERVE CONDUIT AND WIRING FOR FUTURE USE.



**ELECTRICAL BOILER ROOM DEMOLITION FLOOR PLAN**  
SCALE: 1/2" = 1'-0"

**DEMOLITION NOTES**

- 1 DISCONNECT AND REMOVE EXISTING BOILER AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO EXISTING PANELBOARD "LOAD CENTER." PRESERVE EXISTING CIRCUIT BREAKER FOR FUTURE USE.



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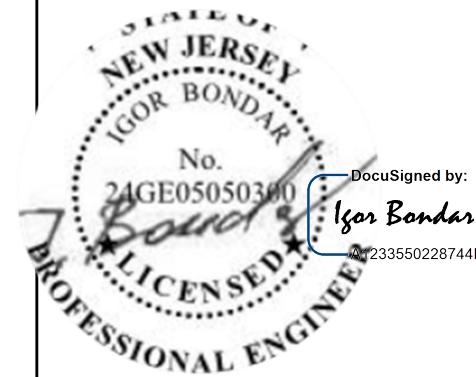
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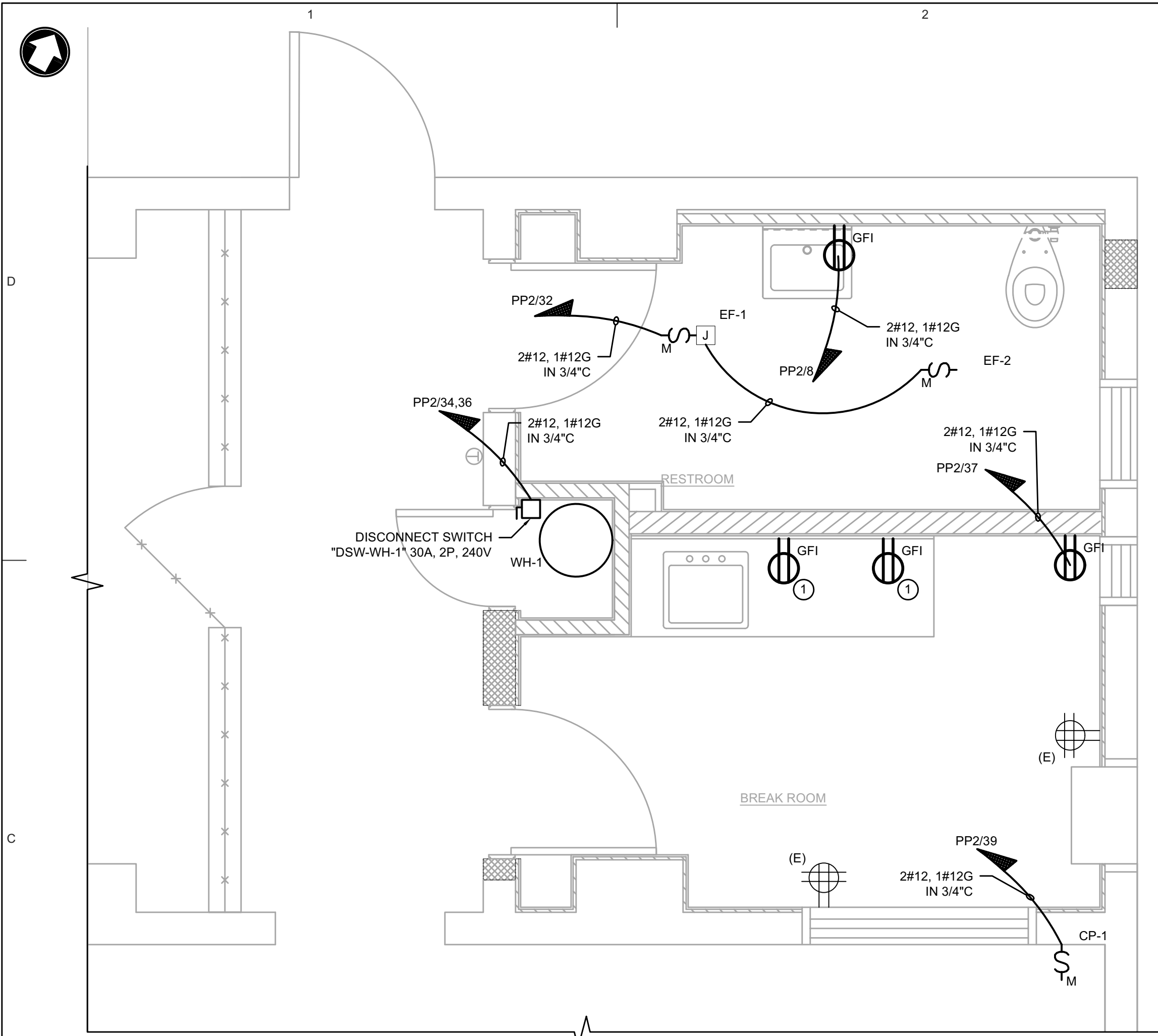
**Sheet Title**

ELECTRICAL ENLARGED  
DEMOLITION PLANS

**Sheet No.**

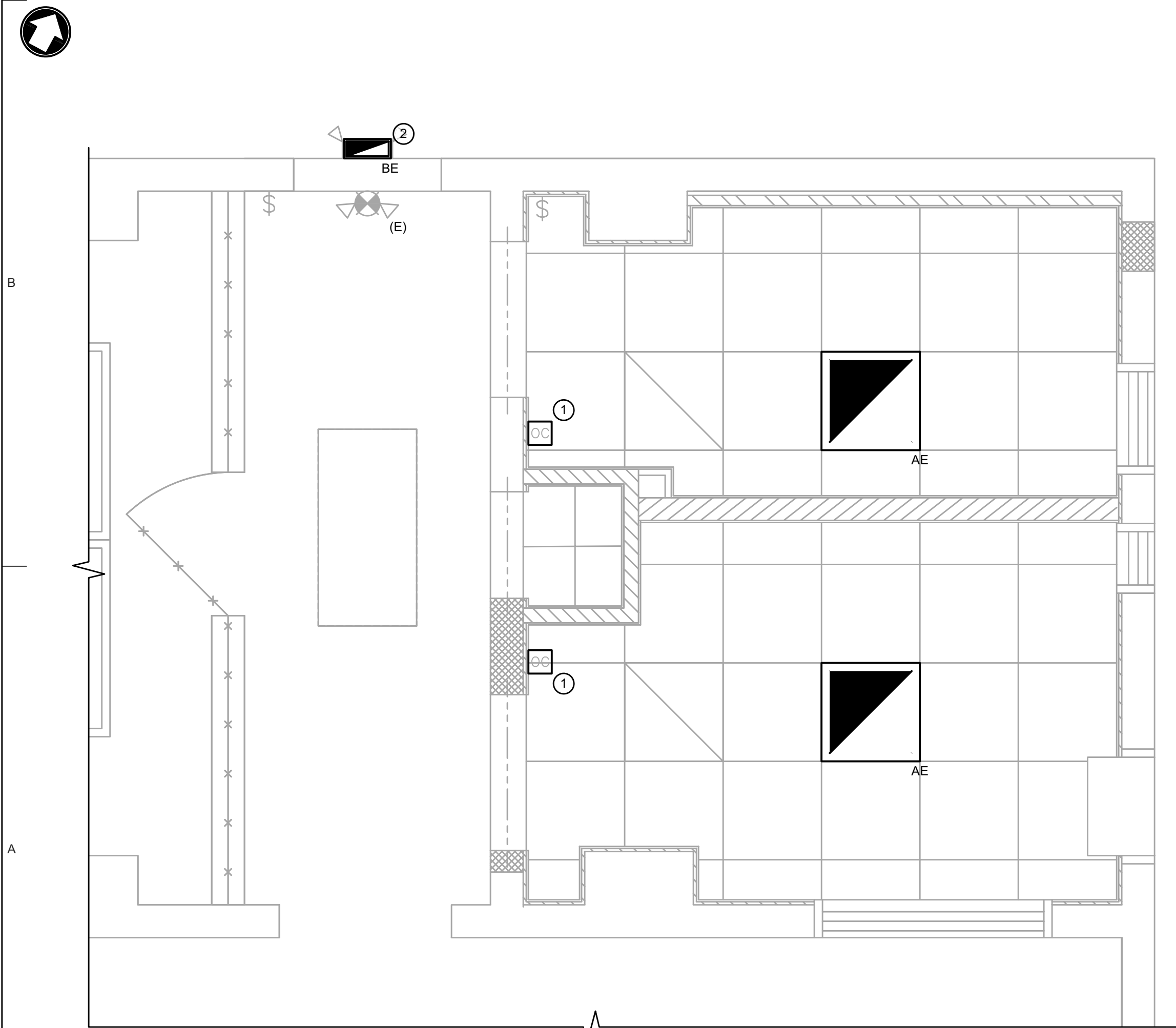
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ELECTRICAL RESTROOM AND BREAK ROOM INSTALLATION ENLARGED PLAN

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

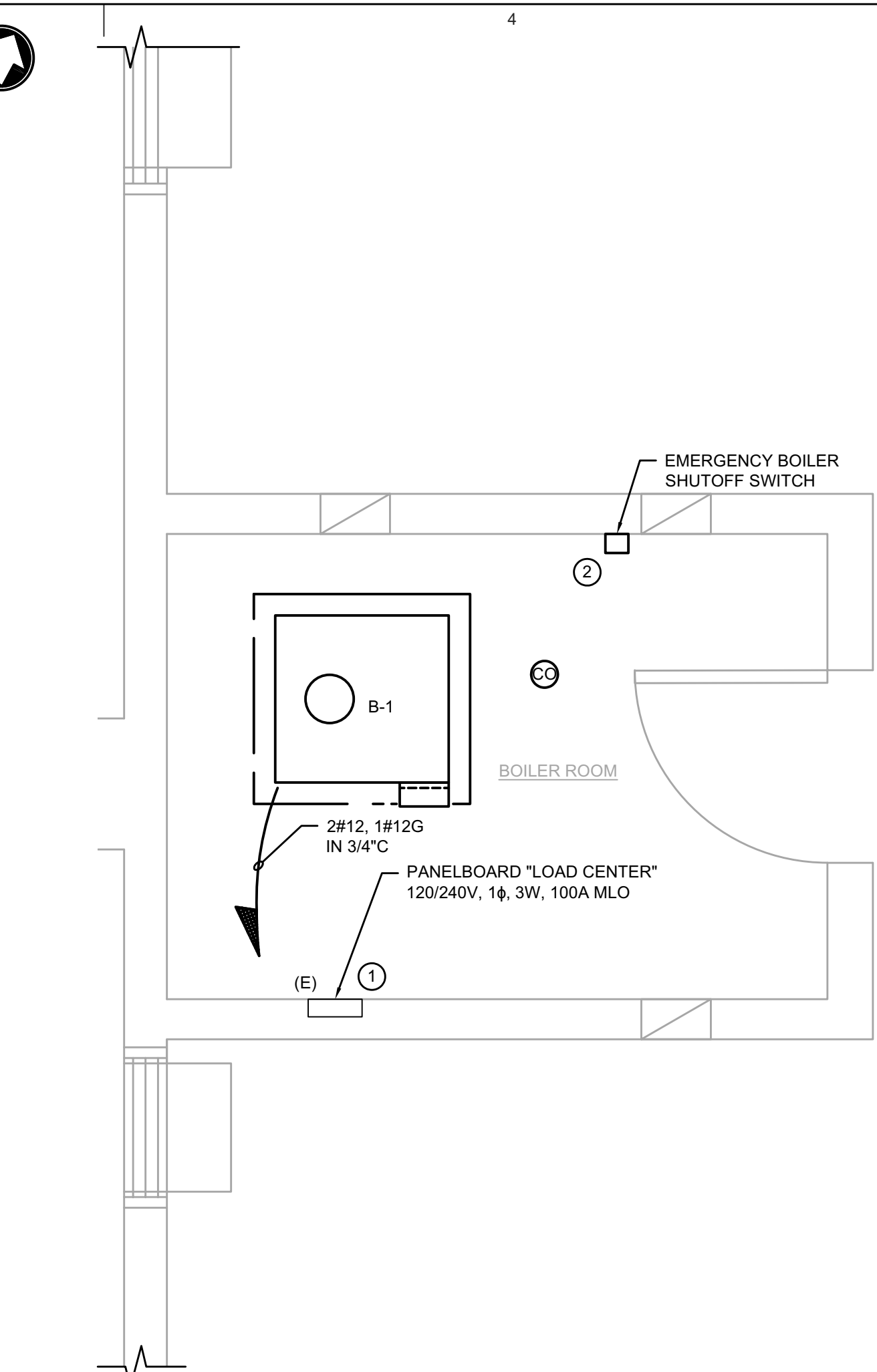


ELECTRICAL RESTROOM AND BREAK ROOM REFLECTED CEILING ENLARGED PLAN

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

**RESTROOM AND BREAKROOM  
POWER INSTALLATION NOTES**

- 1 UTILIZE EXISTING RECEPTACLE CIRCUITS MADE AVAILABLE DURING DEMOLITION TO CONNECT COUNTERTOP RECEPTACLES.

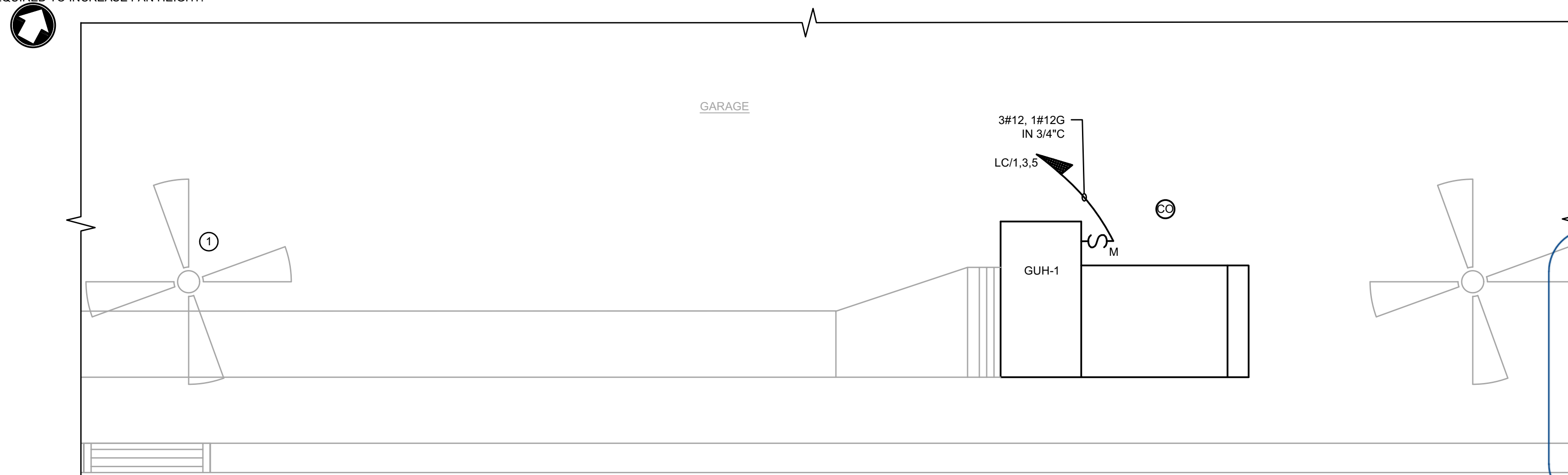


ELECTRICAL BOILER ROOM INSTALLATION ENLARGED PLAN

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

**RESTROOM AND BREAKROOM  
LIGHTING INSTALLATION NOTES**

- 1 UTILIZE EXISTING LIGHTING CIRCUITS MADE AVAILABLE DURING DEMOLITION TO CONNECT OCCUPANCY SENSORS AND LIGHTING FIXTURES.
- 2 UTILIZE EXISTING LIGHTING CIRCUIT MADE AVAILABLE DURING DEMOLITION TO CONNECT EXTERIOR WALL SCONCE.
- 3 RELOCATE EXISTING CEILING FAN PER MECHANICAL CONTRACT DRAWINGS. COIL WIRING AND CUT CONDUIT AS REQUIRED TO INCREASE FAN HEIGHT.



ELECTRICAL GARAGE INSTALLATION ENLARGED PLAN

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

**GARAGE INSTALLATION NOTES**

- 1 RELOCATE EXISTING CEILING FAN PER MECHANICAL CONTRACT DRAWINGS. COIL WIRING AND CUT CONDUIT AS REQUIRED TO INCREASE FAN HEIGHT.

**BOILER ROOM INSTALLATION NOTES**

- 1 UTILIZE EXISTING CIRCUIT BREAKER MADE AVAILABLE DURING DEMOLITION FOR BOILER "B-1" CONNECTION.
- 2 FURNISH AND INSTALL EMERGENCY BOILER SHUTOFF SWITCH CAPABLE OF SHUTTING OFF BOTH BOILERS. PROVIDE CONDUIT AND WIRING, AS RECOMMENDED BY MECHANICAL CONTROLS CONTRACTOR, FOR A COMPLETE AND WORKING SYSTEM. FURNISH AND INSTALL APPROPRIATE SIGNAGE ABOVE SWITCH INDICATING "EMERGENCY BOILER SHUT-DOWN."



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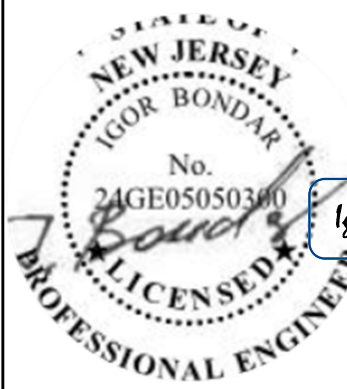
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**Sheet Title**

ELECTRICAL ENLARGED  
INSTALLATION PLANS

**Sheet No.**

**E103**

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