STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
OMB / DFM CONTRACT # MJ1002000085

RICHARDSON & ROBBINS BUILDING - R&R RESTROOM RENOVATION

AT

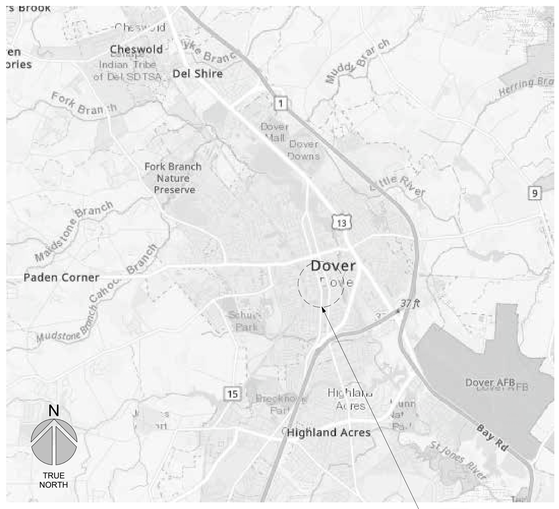
RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER, DE 19901

FOR

DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL



Location Map



Area Map



Site Map

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STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET / DIVISION OF FACILITIES MANAGEMENT

CONTRACT #MJ1002000085

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DATE OF REGISTRATION EXPIRATION: 01.31.2027

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ISSUED FOR PRICING ONLY
ISSUED: 10/27/2026

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4	08/07/2026	FD Submission
3	06/12/2026	DD Resubmission
2	03/20/2026	DD Submission
1	04/25/2026	PS/SD Submission

PROJECT NO: 2024.336.00
DATE: 08/07/2026
SCALE:
DRAWN BY: DTD | PROJ MGR: DTD

G001

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ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE	F.E.C.	FIRE EXTINGUISHER CABINET	PS., P.S. PT., PTD.	PROJECTOR SCREEN PAINTED
AC.	ACOUSTIC	FIN.F.,F.F.	FINISHED FLOOR	PTB	PORCELIN TILE BASE
AL., ALUM.	ALUMINUM	F.OF S.	FACE OF STUD	P.R.V.	POWER ROOF VENTILATOR
A.P.	ACCESS PANEL	FRP	FIREGLASS	R.D.	ROOF DRAIN
A.R.GWB	ABUSE RESISSTANT GWB	F.R.T.	REINFORCED PLASTIC FIRE RETARDANT	REC. RECPT.	RECESSED RECEPTIONIST
A.F.F.	ABOVE FINISHED FLOOR	FTG.	TREATED FOOTING	REF. REQD.	REFRIGERATOR REQUIRED
ATC	ACOUSTICAL TILE CEILING	FURR.	FURRING	R.L.	RAIN LEADER
BD.	BOARD	F.V.	FIELD VERIFY	RM.	ROOM
BFS	BOTTLE FILL STATION	FVC	FIRE VALVE CABINET	R.O.	ROUGH OPENING
BLDG.	BUILDING	GA.	GAUGE	RUB.	RUBBER (WALL BASE)
B.M.	BENCH MARK	G.B.	GRAB BAR	S.D.	SOAP DISPENSER
BRG.	BEARING	G.W.B, GWB	GYPSUM WALL BOARD	SCWD	SOLID CORE WOOD DOOR
CAB.	CABINET	GYP.BD.	GYPSUM BOARD	SECT.	SECTION
CB, C.B.	CHALKBOARD	H., HT.	HEIGHT	S.G.F.T.	STRUCT. GLAZED FACING TILE
C.T.	CERAMIC TILE	H.C.	HANDICAPPED		SHOWER HEAD
C.H.	CEILING HEIGHT	HDW.	HARDWARE	S.H.	SHEET
CJ, C.J.	CONTROL JOINT	H.M.	HOLLOW METAL	SHT.	SIMILAR
C.L.	CENTER LINE	HR.	HOUR	SIM.	SURFACE MOUNTED
CLG.	CEILING	H.P.	HIGH POINT	S.M.	STAND PIPE
CLO., C.	CLOSET	HPC	HIGH PERFORMANCE COATING	S.P.	SERVICE SINK
CLR.	CLEAR	I.D.	INSIDE DIAMETER	S.S.	STAINLESS STEEL
C.M.U., CMU	CONCRETE MASONRY UNIT	INSUL.	INSULATION	STL.	STEEL
COL.	COLUMN	J., JAN.	JANITOR	STOR.	STORAGE
CONC.	CONCRETE	JST.	JOIST	STRUCT.	STRUCTURAL
CONST.	CONSTRUCTION	JT.	JOINT	SUSP.	SUSPENDED
CONT.	CONTINUOUS	LAM.	LAMINATE	SYN.FL.	SYNTHETIC FLOOR
CORR.	CORRIDOR	LAV.	LOW POINT	TB, T.B.	TACKBOARD
CPT.	CARPET	L.P.	LAVATORY SINK	TEL.	TELEPHONE
C.R.	COLD ROLLED	M.	MEN	T.& G.	TONGUE AND GROOVE
D.A.	DISTURBED AREA	MACH.	MACHINE	THRESH.	THRESHOLD
CWT	CERAMIC WALL TILE	MAINT.	MAINTENANCE	T.O.B.	TOP OF BEARING
DET.	DETAIL	MAS.	MASONRY	T.O.M.	TOP OF MASONRY PARAPET
D.F.	DRINKING FOUNTAIN	MAT.	MATERIALS	TP	TOILET PARTITION
DBL	DOUBLE	MAX.	MAXIMUM	TR	TRIM
DIA.	DIAMETER	MB, M.B.	MARKER BOARD	T.S.	TACK STRIP,
DIM.	DIMENSION	M.C.	MEDICINE CABINET		TEACHING STATION
DISP.	DISPENSER	MECH.	MECHANICAL	T.W.	TEACHING WALL
DR.	DOOR	MET., MTL.	METAL	TYP.	TYPICAL
DW	DRYWALL	MFR.	MANUFACTURER	U.L.	UNDERWRITERS LABORATORIES
DS	DOWNSPOUT	MIN.	MINIMUM		UNLESS OTHERWISE NOTED
DWG.	DRAWING	M.O.	MASONRY OPENING	U.O.N.	U.S. GYPSUM COMPANY
EA.	EACH	M.S.,	METAL SHELVING	U.S.G.	VINYL ASBESTOS TILE
E.J., EJ	EXPANSION JOINT	MTD	MOUNTED	V.A.T.	VINYL COMPOSITION TILE
ELEC.	ELECTRIC(-AL)	N.C., NONCOM.	NON COMBUSTIBLE	V.C.T.	VERTICAL
EP	EPOXY PAINT	N.I.C.	NOT IN CONTRACT	VERT.	VESTIBULE
EQ.	EQUAL	NO., #	NUMBER	VEST., V.	VINYL REDUCER STRIP
EQUIP, EQPT	EQUIPMENT	N.T.S.	NOT TO SCALE	V.R.G.	VENT THROUGH ROOF
E.W.C.	ELECTRIC WATER COOLER	O.C.	ON CENTER	V.T.R.	WOMEN
		O.D.	OUTSIDE DIAMETER	W.	WITH
EXG.	EXISTING	OFF.	OFFICE	W/	WAINSCOT
EXP.	EXPANSION	O.H.	OPPOSITE HAND	WAIN.	WARDROBE
EXT.	EXTERIOR	OPNG.	OPENING	WARD.	WATER CLOSET
F.C.	FIRE CODE	OPP.	OPPOSITE	W.C.	WOOD
F.C.U.	FAN COIL UNIT	PART.	PARTITION	WD	WARDROBE
F.D.	FLOOR DRAIN	PAT	PATTERN	WDR.	WALL
FDN.	FOUNDATION	PFT	PORCELAIN FLOOR TILE	WL.	WALL-MOUNTED
F.E.	FIRE EXTINGUISHER	PL.	PLATE	W.M.	WELDED WIRE MESH
		PLAM., P-LAM	PLASTIC LAMINATE	W.W.W.	
		PLY., PWD	PLYWOOD		
		PNL.	PANEL		

SYMBOLS OF MATERIALS

- ALL METALS-SMALL SCALE
- ACOUSTIC C.M.U. SMALL SCALE
- ACOUSTIC C.M.U. LARGE SCALE
- BATT INSULATION
- BRICK
- CAST STONE
- CONCRETE
- CONCRETE MASONRY UNITS
- EARTH
- GLASS-LARGE SCALE
- GLAZED C.M.U.
- GRAVEL / POROUS FILL
- PARTICLE BOARD
- RIGID INSULATION
- SHINGLES
- SOLID CONCRETE MASONRY UNITS
- STEEL-LARGE SCALE
- STUD PARTITION
- WOOD-FINISH
- WOOD BLOCKING

DRAWING KEYS

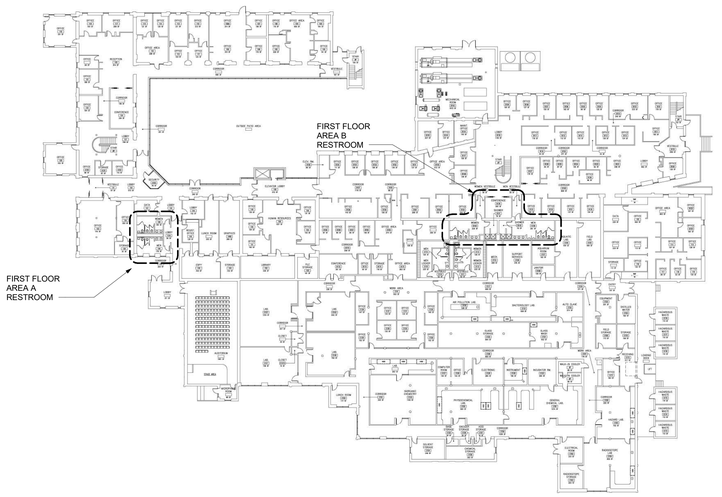
- 0 — STRUCTURAL GRID LINES
- 1 / A101 SIM — SECTION
- 1 / A101 SIM — DETAILS IN PLAN, SECTION
- 1 — WALL TYPE, SEE A501
- Name / 101 — ROOM NAME AND NUMBER
- 1 — WINDOW TAG
- 101 — DOOR TAG
- SIM 3 4 2 1 SIM A703 SIM — INTERIOR ELEVATION TAG
- HVAC RECEIVER TAG
- 01 — SPECIALTY EQUIPMENT TAG
- PAT-2 — MATERIAL TAG
- 1 / A101 SIM — ELEVATION
- NEW WALL
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- NEW DOOR
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE REMOVED
- 21 — DEMOLITION TAG
- HVAC RETURN TAG
- RECESSED 2X2 LED TROFFER

GENERAL NOTES

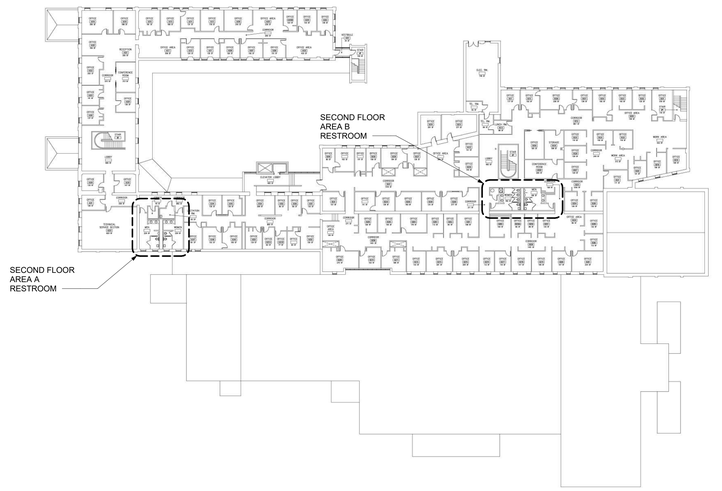
1. **CODES**: ALL WORK ON THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, ORDINANCES, REGULATIONS, STANDARDS, AND ANY ADDITIONAL REQUIREMENT STATED IN ANY LAW, ORDINANCE, OR REGULATION PERTAINING TO CONSTRUCTION WITHIN THE LIMITS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROPOSED WORK (INCLUDING BUT NOT LIMITED TO: FIRE, ACCESSIBILITY, ZONING, WATER, WASTEWATER, ENVIRONMENTAL, STRUCTURAL, ARCHITECTURAL, HEALTH, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND ENERGY CONSERVATION). CONFORMITY TO ALL CODES APPLICABLE TO THIS PROJECT SHALL BE THE CONTRACTORS RESPONSIBILITY.
2. **EGRESS**: ALL MEANS OF EGRESS SHALL BE CONTROLLED BY THE AUTHORITY HAVING JURISDICTION, INCLUDING EXITS, EXIT ACCESS, EXIT DISCHARGE, OTHER EGRESS PATHS, OCCUPANTS LOADS, SPRINKLER PROTECTION, ETC..
3. **ACCESSIBILITY**: ALL BUILDING COMPONENTS, FIXTURES, ACCESSORIES, ETC. SHALL BE INSTALLED WITH MANEUVERING AND OPERATING CLEARANCES, MOUNTING HEIGHTS, ETC. IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT STANDARDS, ICC/ANSI A117.1, AND STATE ACCESSIBILITY CODE. OPERABLE PARTS SHALL BE OPERABLE BY ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
4. **FIELD VERIFICATION**: THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND PROPOSED BUILDING DIMENSIONS PRIOR TO CONSTRUCTION, ANY VARIATIONS, DISCREPANCIES, OR FIELD ALTERATIONS TO THESE DESIGN DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO CONSTRUCTION. IF CONTRACTOR COMMENCES CONSTRUCTION WITHOUT NOTIFYING ARCHITECT OF VARIATIONS, DISCREPANCIES, OR FIELD ALTERATIONS, THAT SHALL CONSTITUTE WAIVER TO ANY CLAIM BY CONTRACTOR FOR ADDITIONAL EXPENSES NECESSARY TO PERFORM WORK ASSOCIATED WITH THOSE CONDITIONS.
5. **SUBMITTALS**: CONTRACTOR SHALL SUBMIT ALL NECESSARY BUILDING COMPONENTS, SYSTEMS, EQUIPMENT, MATERIALS, FINISHES, ETC. FOR REVIEW BY ARCHITECT/OWNER PRIOR TO PROCUREMENT, FABRICATION, AND/OR INSTALLATION.
6. **INSTALLATION**: PROPER ASSEMBLY, INSTALLATION, AND OPERATION OF ALL MATERIALS, COMPONENTS, SYSTEMS, AND FINISHES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE IN ACCORDANCE WITH MANUFACTURES INSTRUCTIONS AND ALL APPLICABLE CODES.
7. **INCIDENTAL WORK**: ANY ITEMS NOT SPECIFICALLY SHOWN ON THE DRAWINGS, BUT WHICH ARE REASONABLY INCIDENTAL TO AND NECESSARY FOR THE SATISFACTORY COMPLETION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE CODES, ORDINANCES, REGULATIONS, AND STANDARDS, ARE INCLUDED WITHIN THE INTENT OF THESE DESIGN DRAWINGS.
8. **SAFETY**: COMPONENTS FOR CONSTRUCTION SAFETY ARE NOT INDICATED IN THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL RULES AND OTHER REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND APPLICABLE STATE AND LOCAL SAFETY REQUIREMENTS DURING ALL CONSTRUCTION ACTIVITIES.
9. **INSPECTIONS**: CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL ON-SITE INSPECTIONS REQUIRED PRIOR TO OCCUPANCY APPROVAL.
10. **DIMENSIONS**: UNLESS OTHERWISE INDICATED: WALLS ARE TO FACE OF STUD FRAMING AND TO FACE OF MASONRY; WINDOWS AND DOORS ARE TO CENTERLINE OF OPENING IN STUD FRAMING AND TO FACE OF MASONRY OPENING IN MASONRY; PLUMBING FIXTURES ARE TO CENTERLINE OF FIXTURE.
11. **BLOCKING**: PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF ALL PORTIONS OF THE WORK AND PER MANUFACTURER'S WRITTEN RECOMMENDATIONS, WHETHER OR NOT SPECIFICALLY INDICATED IN THESE DRAWINGS.
12. **DOORS**: DOORS ARE INDICATED USING NOMINAL DIMENSIONS. MATERIALS AND INSTALLATION SHALL COMPLY WITH DESIGN PRESSURE (DP) RATINGS, WATER INFILTRATION RATING, IMPACT/SAFETY GLAZING, EGRESS HARDWARE.
13. **LIFE SAFETY COMPONENTS**: FINAL LOCATION OF FIRE EXTINGUISHERS, EMERGENCY LIGHTING, AND EXIT SIGNS TO BE AS DIRECTED BY LOCAL FIRE MARSHAL, AND ARE SUBJECT TO FINAL ON-SITE INSPECTION AND EVALUATION. CONTRACTOR SHALL MAKE REVISIONS AND/OR ADDITIONS IN ACCORDANCE WITH FIRE MARSHAL'S INSPECTION.
14. **PLUMBING, MECHANICAL, ELECTRICAL WORK**: ALL PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED BY QUALIFIED, LICENSED (SUB)CONTRACTORS, AND BE IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, STANDARDS, ETC.
15. **PIPE INSULATION**: CONTRACTOR SHALL INSULATE AND PROTECT PIPES AS REQUIRED BY CODE.

DESIGN TEAM

BECKER MORGAN GROUP	ARCHITECTS & CIVIL ENGINEERS
DEDC, LLC	MECHANICAL AND ELECTRICAL ENGINEERS



FIRST FLOOR KEY PLAN
SCALE: NTS



SECOND FLOOR KEY PLAN
SCALE: NTS

N
TRUE NORTH

KEY PLAN

BECKER MORGAN GROUP

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G002

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CODE STUDY DATA

(WHEN ONLY ONE SOURCE IS NOTED, THE DATA LISTED REPRESENTS THE MOST STRINGENT REQUIREMENTS WHEN COMPARING THE TWO CODES)	
PROJECT	**INFORMATION**
PROJECT NAME	RICHARDSON & ROBBINS BUILDING/ NEW CONSTRUCTION OF BATHROOMS/ RENOVATIONS TO BATHROOMS
PROJECT LOCATION	DOVER, KENT COUNTY, DELAWARE
PROJECT DESCRIPTION	INTERIOR RENOVATION / TENANT FIT-OUT
PROPERTY OWNER	OMB/DFM

APPLICABLE CODES

2018 INTERNATION BUILDING CODE (IBC)
2024 NFPA 101 LIFE SAFETY CODE (NFPA)
2017 ICC/ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES
2010 ADA STANDARD FOR ACCESSIBLE DESIGN
2018 INTERNATIONAL ENERGY CONSERVATION CODE / ASHRAE 90.1-2016 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS
2025 STATE OF DELAWARE ARCHITECTURAL ACCESSIBILITY STANDARDS
2026 DELAWARE STATE FIRE PREVENTION REGULATIONS

BUILDING USE AND CONSTRUCTION CLASSIFICATION

BUILDING USE AND CONSTRUCTION CLASSIFICATION	LIFE SAFETY CODE REFERENCE	IBC REFERENCE
USE GROUPS (MIXED - SEPARATED)	CHAPTER 39 - EXISTING BUSINESS OCCUPANCIES	BUSINESS (B)
CONSTRUCTION TYPE	CONSTRUCTION TYPE II (000)	CONSTRUCTION TYPE II-B
	FULLY SPRINKLERED	FULLY SPRINKLERE
ALLOWABLE BUILDING HEIGHT AND # STORIES ABOVE GRADE PLANE	75, 3	75,3 (TABLE 504.3 AND 504.4)
ACTUAL BUILDING HEIGHT AND # STORIES ABOVE GRADE PLANE	30, 2	30, 2
ALLOWABLE BUILDING AREA	92,000 SF	92,000 SF (TABLE 506.2 W/ FRONTAGE INCREASE PER 506.3)
ACTUAL BUILDING AREA (PER IBC 202)		FIRST FLOOR 19,599 SF | SECOND FLOOR 36,084 SF (55,684 SF TOTAL ALL FLOORS)

BUILDING COMPONENT FIRE RATING

TABULAR FIRE RATING REQUIREMENTS OF STRUCTURAL ELEMENTS AND EGRESS COMPONENTS	NFPA 101 LIFE SAFETY CODE / TYPE II (000) CONSTRUCTION			IBC / TYPE II-B CONSTRUCTION		
	REQUIRED RATING			REQUIRED RATING		
	WALL (HRS)	OPNG (HRS) - D (door) / W (window)	REFERENCE	WALL (HRS)	OPNG (HRS)	REFERENCE
PRIMARY STRUCTURAL FRAME						
PRIMARY STRUCTURAL FRAME - supporting a roof only	0	0	TABLE A. 8.2.1.2, NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
- supporting Roof 20' A.F.F.	0	0	TABLE A. 8.2.1.2	0	0	TABLE 601
- support one floor only	0	0	TABLE A. 8.2.1.2	0	0	TABLE 601
- supporting more than one floor	0	0	TABLE A. 8.2.1.2	0	0	TABLE 601
BEAMS, GIRDERS, TRUSSED, ARCHES - supporting a roof only	0	0	TABLE A. 8.2.1.2, NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
- supporting Roof 20' A.F.F.	0	0	TABLE A. 8.2.1.2	0	0	TABLE 601
- supporting one floor only	0	0	TABLE A. 8.2.1.2	0	0	TABLE 601
- supporting more than one floor	0	0	TABLE A. 8.2.1.2	0	0	TABLE 601
BEARING WALLS						
EXTERIOR BEARING WALLS - supporting a roof only	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2	0	0	TABLE 601 - NOTE b
- supporting Roof 20' A.F.F.	0	0	TABLE A.8.2.1.2, NFPA 5000 - 7.2.3.2.8	0	0	TABLES 601 & 602 & 705.8
- support one floor only	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2 & TABLE 7.3.2.1	0	0	TABLES 601 & 602 & 705.8
- supporting more than one floor	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2 & TABLE 7.3.2.1	0	0	TABLES 601 & 602 & 705.8
INTERIOR BEARING WALLS - supporting a roof only	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2	0	0	TABLE 601
- supporting Roof 20' A.F.F.	0	0	TABLE A.8.2.1.2, NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
- supporting one floor only	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2	0	0	TABLE 601
- supporting more than one floor	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2	0	0	TABLE 601
NONBEARING WALLS AND PARTITIONS						
EXTERIOR NON-BEARING WALLS	0	0	TABLE A.8.2.1.2 & TABLE 7.3.2.1	0	0	TABLES 601 & 602 & 705.8
INTERIOR NON-BEARING PARTITIONS	0	0	TABLE A.8.2.1.2	0	0	TABLE 601
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS						
FLOOR-CEILING ASSEMBLIES	0	0	TABLE A.8.2.1.2	0	0	TABLE 601
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS						
ROOF-CEILING ASSEMBLIES	0	0	TABLE A.8.2.1.2	0	0	TABLE 601
ROOF-CEILING ASSEMBLIES - 20' A.F.F.	0	0	NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
RATED EGRESS ASSEMBLIES						
VERTICAL EXIT ENCLOSURES	0	0	8.6.5 & TABLE 8.3.4.2	0	0	SECTION 707.3 & 1023.2 & T716.5
CORRIDORS	0	0	7.1.3.1(1)	0	0	TABLE 1020.1 & T716.5
RATED ASSEMBLIES						
SHAFT ENCLOSURES	0	0	8.6.5 & TABLE 8.3.4.2	0	0	SECTION 713 & T716.5
SMOKE BARRIERS	0	0	8.5.1, & TABLE 8.3.4.2	0	0	SECTION 709, TABLE 716.15
SMOKE PARTITION	0	0		0	0	
OCCUPANCY SEPARATION						
OCCUPANCY SEPARATION { } TO { }	0	0		0	0	TABLE 508.4
INCIDENTAL USES & PROTECTION FROM HAZARDS						
JANITOR / SERVICE CLOSETS	0	0	39.3.2			
LAUNDRY ROOMS >100SF				0	0	TABLE 509

TRAVEL DISTANCE LIMITS

TRAVEL DISTANCE LIMITS	LIFE SAFETY	IBC
MAXIMUM TRAVEL DISTANCE LIMIT TO AN EXIT OR EXIT ACCESS DOOR	TRAVEL DISTANCE IN FEET (TABLE A.7.6)	DISTANCE IN FEET (TABLE 1017.2
MAXIMUM COMMON PATH OF TRAVEL LIMIT	DISTANCE IN FEET (TABLE A.7.6)	# FEET <= 30 OCC & # FEET >30 OCC, MAX # OCC (TABLE 1006.2.1)
MAXIMUM DEAD END CORRIDOR LIMIT	DISTANCE IN FEET (TABLE A.7.6)	DISTANCE IN FEET (1020.4)

MINIMUM NUMBER OF EXIT REQUIRED

	LIFE SAFETY	IBC
FLOOR AREA OCCUPANCY LOAD BETWEEN 1 AND 500	-	2 EXITS (TABLE 1006.3.1)
MINIMUM NUMBER OF EXITS PER STORY	2 EXITS (7.4.1.1 AND 39.2.4.1)	-
MINIMUM NUMBER OF ACCESSIBLE ENTRANCES/EXITS	1 (7.5.4.1.1 & 7.5.4.2.2)	2 (1009.1 & 1105.1)

MINIMUM INTERIOR FINISH REQUIREMENTS

MINIMUM INTERIOR FINISH REQUIREMENTS	LIFE SAFETY	IBC
EXIT ENCLOSURES & EXIT PASSAGEWAYS - WALLS	CLASS A (39.3.3.2(1) TABLE A.10.2.2 WITH NOTE 6)	CLASS A (TABLE 803.1)
EXIT ENCLOSURES & EXIT PASSAGEWAYS - FLOORS	CLASS A / ASTM D2859 OR 16 CFR 160 (FFI-70) (TABLE A.10.2.2 WITH NOTE 6)	CLASS A / DOC FF-1 OR ASTM D2859 (804.4.1, 804.4.2)
CORRIDORS & LOBBIES - WALLS	CLASS B (39.3.3.2(2) TABLE A.10.2.2 WITH NOTE 6)	CLASS B (TABLE 803.1)
CORRIDORS & LOBBIES - FLOORS	CLASS B / ASTM D2859 OR 16 CFR 160 (FFI-70) (TABLE A.10.2.2 WITH NOTE 6)	CLASS B / DOC FF-1 OR ASTM D2859 (804.4.1, 804.4.2)
ROOMS & ENCLOSED SPACES - WALLS	CLASS C (39.3.3.2(C) TABLE A.10.2.2)	CLASS C (TABLE 803.11 NOT)
ROOMS & ENCLOSED SPACES - FLOORS	CLASS C / ASTM D2859 OR 16 CFR 160 (FFI-70) (TABLE A.10.2.2)	CLASS C / DOC FF-1 OR ASTM D2859 (804.4.1, 804.4.2)
TRIM		NOT IN EXCESS OF 10% OF AGGREGATE WALL & CEILING AREA OF ANY ROOM/SPACE SHALL BE PERMITTED TO BE CLASS C MATERIAL.

CODE STUDY NOTES

1. TEST BUILDING FOR EMERGENCY RESPONDER RADIO COVERAGE PER IBC 915, IFC 510, AND NFPA 72. PROVIDE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM IF MINIMUM SIGNAL STRENGTH IS NOT MET. SUBMIT TEST RESULTS, AND SYSTEM DESIGN (IF REQUIRED), TO A.H.J.

ENERGY CODE INSPECTION NOTES

CONSTRUCTION MANAGER SHALL ARRANGE FOR ENERGY-CODE-RELATED INSPECTIONS WITH A.H.J. AS FOLLOWS:

a. FRAMING AND ROUGH-IN: INSULATION TYPES, LOCATION, INSTALATION
b. PLUMBING ROUGH-IN: INSULATION TYPES, R-VALUE, AND PROTECTION, REQUIRED CONTROLS, AND HEAT TRAPS (IECC C104.2.3).
c. MECHANICAL ROUGH-IN: HVAC EQUIPMENT TYPE & SIZE, REQUIRED CONTROLS, INSULATION AND R-VALUE, SYSTEM AND DAMPER AIR LEAKAGE, AND ENERGY RECOVERY AND ECONOMIZERS (IECC C104.2.4).
d. ELECTRICAL ROUGH-IN: LIGHTING SYSTEMS, COMPONENTS AND CONTROLS (IECC C104.2.5).
e. FINAL INSPECTION (PRIOR TO REQUESTING CERTIFICATE OF OCCUPANCY); INSTALLATION AND PROPER OPERATION OF ALL REQUIRED BUILDING CONTROLS, BUILDING COMMISSIONING DOCUMENTATATION (IECC C104.2.6).

PLUMBING FIXTURE CALCULATIONS

USE GROUP B - BUSINESS	OCCUPANTS	WATER CLOSETS				LAVATORIES		DRINKING FOUNTAIN / B.F.S.		OTHER	
		MEN		WOMEN							
		REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
FIRST FLOOR	141	4	7	4	5	4	12	2	2		1
AREA A	76	1/25 for 50 then 1/50	2	3	1/25 for 50 then 1/50	2	3	1/40 for 80 then 1/80	2	6	1/100	1	1	1 SERVICE SINK	
AREA B	65	1/25 for 50 then 1/50	2	4	1/25 for 50 then 1/50	2	2	1/40 for 80 then 1/80	2	6	1/100	1	1		
SECOND FLOOR	125	3	5	3	5	4	12	2	5		
AREA A	48	1/25 for 50 then 1/50	1	2	1/25 for 50 then 1/50	1	2	1/40 for 80 then 1/80	2	6	1/100	1	2		
AREA B	77	1/25 for 50 then 1/50	2	3	1/25 for 50 then 1/50	2	3	1/40 for 80 then 1/80	2	6	1/100	1	3		

BUILDING ENVELOPE PERFORMANCE

Minimum building envelope performance requirements are taken from the following code:

- IECC 2018
- Climate Zone: 4
- Building Type: Non-Residential

Note: Products specified in the work may exceed requirements noted below.

Energy Compliance Path: Prescriptive Compliance (C402-C406, C408) / Total Building Performance (C402.5, C403.2, C403.3-C403.3.2, C403.4-CR03.4.2.3, C403.5.5, C403.7, C403.8.1-CR03.8.4, C403.10.1-CR03.10.3, C403.11, C403.12, C404, C405, C407, C408) / ASHRAE 90.1

1. Roof
   - A. Insulation Entirely above Deck
     - a. U-0.032 maximum
     - b. R-30 c.i. minimum
   - B. Metal Buildings
     - a. U-0.035 maximum
     - b. R-19 + R-11 LS minimum w/ thermal spacer block
   - C. Attic and Other
     - a. U-0.027 maximum
     - b. R-38 minimum
   - D. Skylights
     - a. Curb: R-5 minimum
     - b. Area: 3% maximum
     - c. U-0.50 maximum
     - d. SHGC – 0.40 maximum
2. Exterior Walls
   - A. Mass
     - a. U-0.104 maximum
     - b. R-9.5 c.i. minimum
   - B. Metal Building
     - a. U-0.052 maximum
     - b. R-13 + R-13 c.i. minimum
   - C. Steel Framed
     - a. U-0.064 maximum
     - b. R-13 + R-7.5 c.i. minimum
   - D. Wood Framed and other
     - a. U-0.064 maximum
     - b. R-13 + R-3.8 c.i., or R-20, minimum
3. Walls, Below Grade
   - A. C-0.119
   - B. R-7.5 c.i.
4. Floors
   - A. Mass
     - a. U-0.076 maximum
     - b. R-10 c.i. minimum
   - B. Joist/Framing
     - a. U-0.033 maximum
     - b. R-30 minimum
5. Slab-on-Grade Floors
   - A. Unheated
     - a. F-0.520 maximum
     - b. R-15 for 24 inches minimum
   - B. Heated
     - a. F-0.86 perimiter + F-0.64 full slab maximum
     - b. R-15 for 24" + R-5 full slab minimum
6. Opaque Doors
   - A. Nonswinging
     - a. R-4.75
   - B. Swinging
     - a. U-0.61 maximum
   - C. Garage Door <14% glazing
     - a. U-0.31 maximum
7. Fenestration
   - A. Metal framing, fixed
     - a. U-0.38 maximum
   - B. Metal framing, operable
     - a. U-0.45 maximum
   - C. Metal framing, entrance door
     - a. U-0.77 maximum
   - D. SHGC (projection factor and orientation can increase)
     - • 0.36 maximum
   - E. VT/SHGC – 1.10 minimum
   - F. Fenestration: 30% maximum w/o daylight controls
8. Air barrier required (AHSRAE 5.4.3.1 and IECC C402.5)
   - A. Maximum air leakage for fenestration:
     - a. Glazed swinging entrance doors: 1.0 cfm/sf @ 1.57psf per AAMA/WDMA/CSA 101/I.S.2/A440, NFRC 400, or ASTM E 283
     - b. Curtainwall and storefront: 0.06 cfm/sf @ 1.57psf per NFRC 400 or ASTM E 283
     - c. Skylights w/ condensation weep openings: 0.3 cfm/sf per AAMA/WDMA/CSA 101/I.S.2/A440 or NFRC 400, or 0.5 cfm/sf @ 6.24psf per AAMA/WDMA/CSA 101/I.S.2/A440.
     - d. Nonswining doors for vehicle access and material transport with opening rate 32 in/s minimum: 1.3 cfm/sf @ 1.57psf per ANSI/DASMA 105, NFRC 400, or ASTM E 283.
     - e. Other nonswinging opaque doors, glazed sectional garage doors, and upward acting nonswinging glazed doors: 0.4 cfm/sf @ 1.57psf per ANSI/DASMA 105, NFRC 400, or ASTM E 283
     - f. All other products: 0.2 cfm/sf @ 1.57psf per AAMA/WDMA/CSA101/I.S.2/A440 or NFRC 400, or 0.3 cfm/sf @ 6.24psf per AAMA/WDMA/CSA 101/I.S.2/A440
9. Other requirements:
   - A. Vertical Fenestration Orientation (ASHRAE 5.5.4.5):
     - a. 25% maximum on east façade
     - b. 25% maximum on west façade
   - B. Vestibules: Conditions (ASHRAE 5.4.3.4 and IECC C402.5.7)
   - C. Skylights (IECC C402.4.2):
     - a. Required at spaces:
       - • Area >2,500 sf
       - • Ceiling height >15'
       - • Use: Office, lobby, atrium, concourse, corridor, storage, fitness/exercise room, manufacturing corridor/transition and bay areas, distribution/sorting area, workshop
     - b. Total daylight area below skylights: minimum 50% floor area
     - c. Skylight area either:
       - • Minimum skylight area to daylight area of 3% with skylight VT 0.40 minimum
       - • Minimum skylight effective aperture 1% minimum
     - d. Glazing or diffuser haze: 90% minimum, per ASTM D 1003
     - e. Lighting Controlled in toplit daylight zones per IECC C402.4.2.1.
   - D. Loading dock weathersealS (IECC C402.5.6)
   - E. Recessed luminaires: IC-rated, air leakage max 2.0cfm per ASTM E 283 @ 1.57psf, and sealed with gasket or sealant between housing and wall or ceiling covering.

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STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET / DIVISION OF FACILITIES MANAGEMENT

CONTRACT #MJ1002000085

DATE OF SIGNATURE: 08.07.2026
DATE OF REGISTRATION EXPIRATION: 01.31.2027

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PROJECT TITLE

RICHARDSON & ROBBINS BUILDING - R&R RESTROOM RENOVATION

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER, DE 19901

SHEET TITLE

CODE STUDY

PRELIMINARY
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ISSUED: 10/27/2026

ISSUE BLOCK

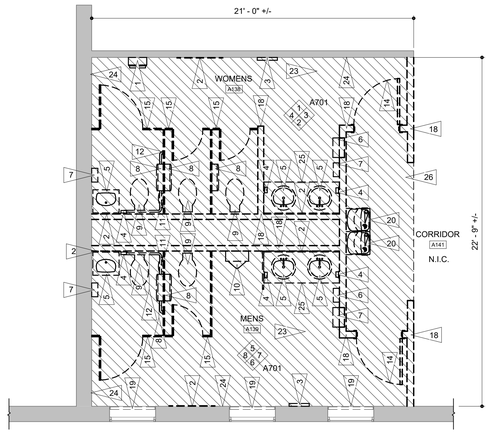
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4	08/07/2026	FD Submission
3	06/12/2026	DD Resubmission
2	03/20/2026	DD Submission
1	04/25/2026	PS/SD Submission

PROJECT NO: 2024.336.00
DATE: 08/07/2026
SCALE: 12" = 1'-0"
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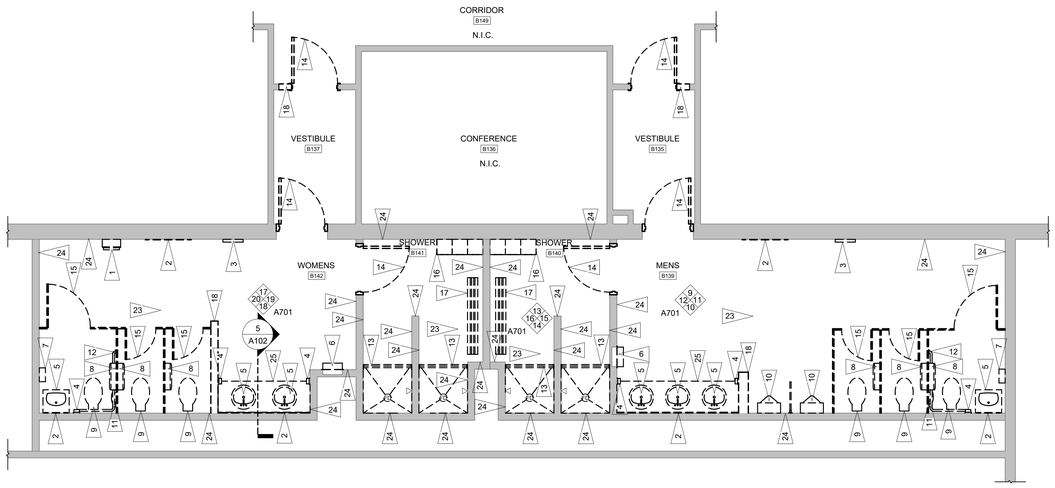
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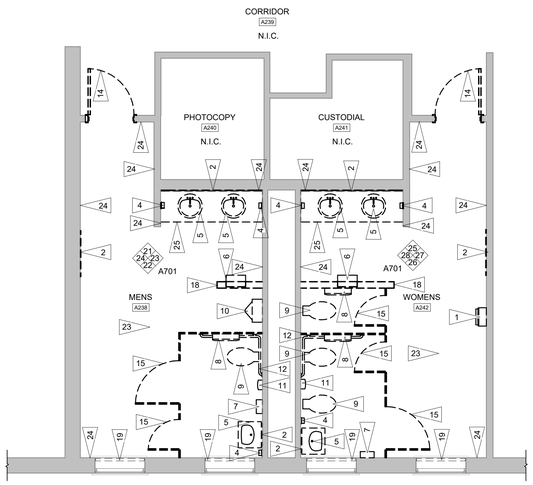
1 DEMOLITION FIRST FLOOR PLAN AREA A RESTROOM

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



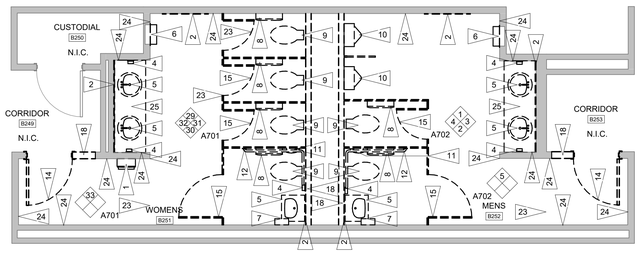
2 DEMOLITION FIRST FLOOR AREA B RESTROOM

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



3 DEMOLITION SECOND FLOOR AREA A RESTROOM

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



4 DEMOLITION SECOND FLOOR AREA B RESTROOM

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

GENERAL SYMBOL KEYS

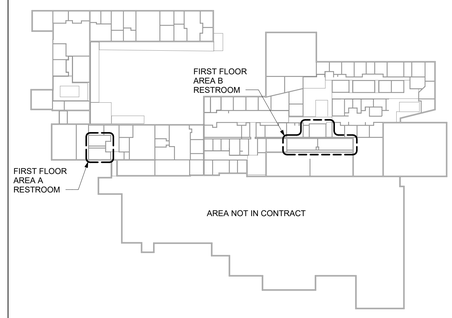
VESTIBULE B135	ROOM NAME AND NUMBER
SIM / A703	INTERIOR ELEVATION TAG
	EXISTING WALL TO REMAIN
	EXISTING WALL TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO BE REMOVED
21	DEMOLITION TAG

GENERAL DEMOLITION NOTES

1. CONTRACTOR TO PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED TO ACCOMPLISH DEMOLITION ACTIVITIES AND MAINTAIN STRUCTURAL STABILITY UNTIL NEW WORK IS INSTALLED.
2. FIELD VERIFY ALL EXISTING CONDITIONS.
3. EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DEMOLITION OPERATIONS.
4. COORDINATE EXTENT OF DEMOLITION REQUIRED WITH NEW WORK.
5. HAZARDOUS MATERIALS ARE NOT ANTICIPATED TO BE ENCOUNTERED. NOTIFY OWNER IMMEDIATELY IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED.
6. REFER TO MECHANICAL / ELECTRICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.

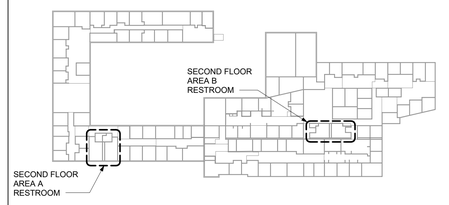
SELECTIVE DEMOLITION NOTES

1 REMOVE EXISTING NAPKIN/TAMPON VENDOR
2 REMOVE EXISTING MIRROR
3 REMOVE EXISTING SEAT COVER DISPENSER
4 REMOVE EXISTING SOAP DISPENSER
5 REMOVE EXISTING SINK
6 REMOVE EXISTING PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
7 REMOVE EXISTING PAPER TOWEL DISPENSER
8 REMOVE EXISTING TOILET TISSUE DISPENSER
9 REMOVE EXISTING TOILET
10 REMOVE EXISTING URINAL
11 REMOVE EXISTING SANITARY NAPKIN DISPOSAL
12 REMOVE EXISTING GRAB BAR
13 REMOVE EXISTING SHOWER CURTAIN ROD
14 REMOVE EXISTING DOOR AND FRAME
15 REMOVE EXISTING TOILET PARTITION, DOOR AND ANCHORING HARDWARE
16 REMOVE EXISTING LOCKERS
17 REMOVE EXISTING BENCH
18 REMOVE EXISTING WALL INCLUDING ALL INTERNAL COMPONENTS
19 REMOVE EXISTING WINDOW TREATMENTS
20 REMOVE EXISTING ELECTRIC WATER COOLER
21 REMOVE EXISTING ACOUSTICAL TILE CEILING TILES AND GRID SYSTEM
22 REMOVE EXISTING GYPSUM WALL BOARD. EXISTING FRAMING TO REMAIN.
23 REMOVE EXISTING CERAMIC FLOOR TILE AND SUBSTRATE TO EXPOSE SUBFLOOR
24 REMOVE EXISTING CERAMIC WALL TILE AND SUBSTRATE TO EXPOSE WALL STUDS
25 REMOVE EXISTING COUNTER
26 INDICATES AREA OF SELECTIVE REMOVAL OF EXISTING CONCRETE SLAB AS NECESSARY FOR DEMOLITION AND NEW CONSTRUCTION. REMOVE ASSOCIATED VAPOR BARRIER AND PREPARE SUBSURFACE TO RECEIVE NEW SLAB.
27 REMOVE EXISTING HVAC RETURN GRILL
28 REMOVE EXISTING HVAC SUPPLY DIFFUSER



FIRST FLOOR KEY PLAN

SCALE: NTS



SECOND FLOOR KEY PLAN

SCALE: NTS

N

TRUE NORTH

KEY PLAN

BECKER MORGAN GROUP

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STATE OF DELAWARE
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CONTRACT #MJ10020000085

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RICHARDSON & ROBBINS BUILDING
89 KINGS HWY, SW
DOVER, DE 19901

SHEET TITLE

TOILET ROOM DEMOLITION FLOOR PLANS

PRELIMINARY
NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
ISSUED: 10/27/2026

ISSUE BLOCK

Mark	Date	Description
5	10/27/2026	Issued For Bidding
3	06/12/2026	DD Resubmission
2	03/20/2026	DD Submission
1	04/25/2026	PS/SD Submission

PROJECT NO:	2024.336.00
DATE:	08/07/2026
SCALE:	As indicated
DRAWN BY: DTD	PROJ MGR: DTD

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GENERAL SYMBOL KEYS

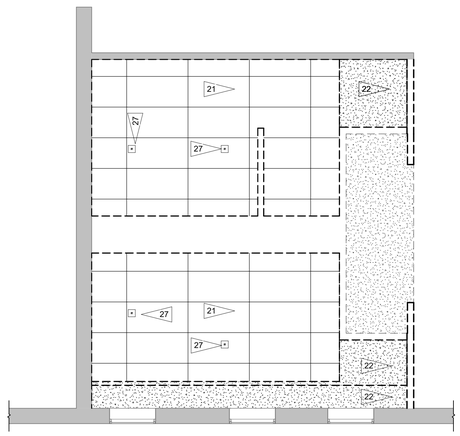
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- 21 — DEMOLITION TAG
- HVAC SUPPLY REGISTER
- HVAC RETURN AIR GRILL

GENERAL DEMOLITION NOTES

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SELECTIVE DEMOLITION NOTES

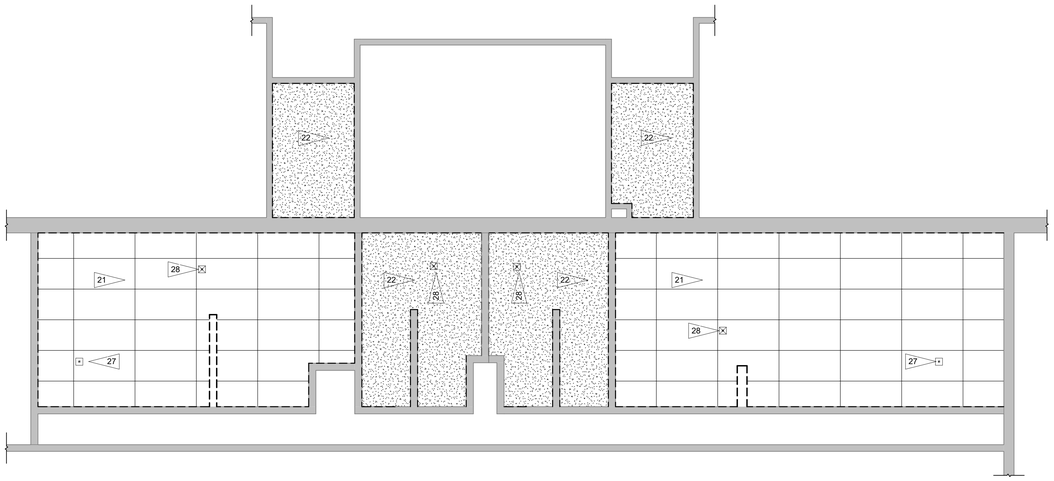
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27. REMOVE EXISTING HVAC RETURN GRILL
28. REMOVE EXISTING HVAC SUPPLY DIFFUSER



DEMOLITION REFLECTED CEILING PLAN FIRST FLOOR AREA A RESTROOM

1

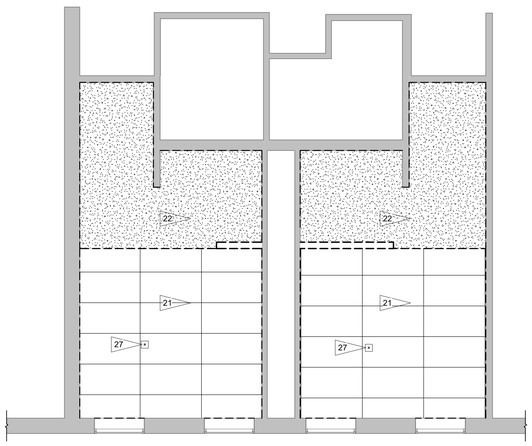
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DEMOLITION REFLECTED CEILING PLAN FIRST FLOOR AREA B RESTROOM

2

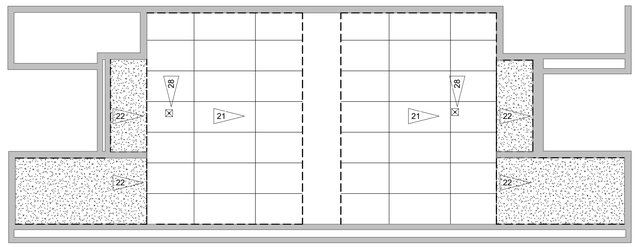
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DEMOLITION REFLECTED CEILING PLAN SECOND FLOOR AREA A RESTROOM

3

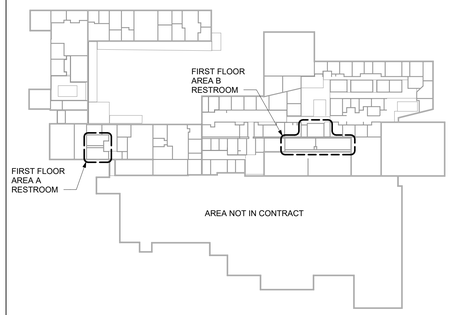
SCALE: 1/4" = 1'-0"



DEMOLITION REFLECTED CEILING PLAN SECOND FLOOR AREA B RESTROOM

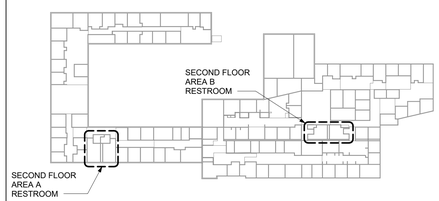
4

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



FIRST FLOOR KEY PLAN

SCALE: NTS



SECOND FLOOR KEY PLAN

SCALE: NTS

N

TRUE NORTH

KEY PLAN

BECKER MORGAN GROUP

ARCHITECTURE ENGINEERING

Delaware
309 S Governors Ave
Dover, DE 19904
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The Tower at STAR Campus
100 Discovery Boulevard, Suite 102
Newark, DE 19713
302.369.3700

Maryland
312 West Main St, Suite 300
Salisbury, MD 21801
410.546.9100

North Carolina
3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600

www.beckermorgan.com

DEDC, LLC
ENGINEERING / DESIGN / CONSULTING
315 SOUTH CHAPEL STREET
NEWARK, DELAWARE 19711
302-738-7172
www.dedc-eng.com

STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET / DIVISION OF FACILITIES MANAGEMENT

CONTRACT #MJ10020000085

DATE OF SIGNATURE: 08.07.2026
DATE OF REGISTRATION EXPIRATION: 01.31.2027

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NO CONTRACTUAL OBLIGATION IS ASSUMED BY THE ARCHITECT FOR THE BENEFIT OF ANY OTHER PERSON INVOLVED IN THE PROJECT.

PROJECT TITLE

RICHARDSON & ROBBINS BUILDING - R&R RESTROOM RENOVATION

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER, DE 19901

SHEET TITLE

TOILET ROOM DEMOLITION REFLECTED CEILING PLANS

PRELIMINARY
NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
ISSUED: 10/27/2026

ISSUE BLOCK

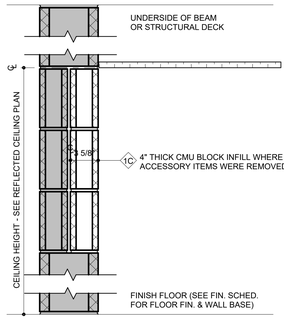
Mark	Date	Description
5	10/27/2026	Issued For Bidding
3	06/12/2026	DD Resubmission
2	03/20/2026	DD Submission
1	04/25/2026	PS/SD Submission

PROJECT NO: 2024.336.00
DATE: 08/07/2026
SCALE: As indicated
DRAWN BY: DTD | PROJ MGR: DTD

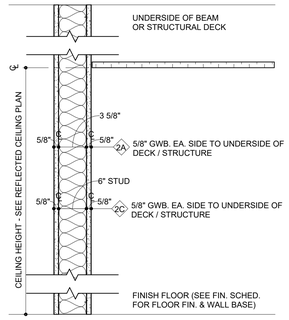
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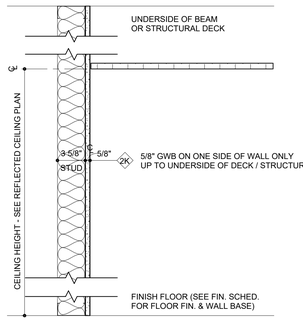
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WALL TYPE 1C



WALL TYPES 2A 2C

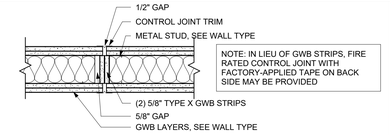


WALL TYPE 2K

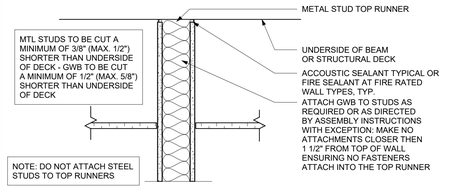
WALL TYPE GENERAL NOTES

1. SEE CODE SHEETS, G100- AND G500-SERIES, FOR REQUIRED FIRE RATINGS OF ALL WALL ASSEMBLIES. MULTIPLE LAYERS OF GWB MAY BE REQUIRED AT RATED PARTITIONS. COORDINATE WITH U.L. DESIGN(S).
2. PROVIDE SOUND-ATTENUATING FIRE BATT INSULATION IN RATED STUD-FRAMED PARTITIONS AND FIBERGLASS SOUND BATT INSULATION IN NON-RATED STUD PARTITIONS.
3. PROVIDE MOLD AND MOISTURE RESISTANT GWB AT ALL STUD-FRAMED PARTITIONS IN WET LOCATIONS, INCLUDING TOILET ROOMS, AND AT SINKS AND LAVATORIES. EXTEND TO END OF CASEWORK RUN, INCLUDING SIDEWALLS WHERE ADJACENT TO SINKS.
4. BRACE NON-STRUCTURAL METAL STUD PARTITIONS WHERE NOT ATTACHED TO STRUCTURE ABOVE OR WHERE HEIGHT OF STRUCTURE EXCEEDS MANUFACTURER'S LIMITING HEIGHT FOR 5PSF @ 16" O.C., OR PROVIDE COLD-FORM FRAMING. SEE SPECIFICATIONS AND STRUCTURAL DRAWINGS.
5. SEE STRUCTURAL FOR BRACING OF PART-HEIGHT MASONRY PARTITIONS, INCLUDING MASONRY PARTITIONS WITH METAL STUD PARTITIONS CONTINUING ABOVE.
6. SEE STRUCTURAL AND SPECIFICATIONS FOR MASONRY TIES IN MULTIPLE-WYTHE MASONRY WALLS AND PARTITIONS. CORRUGATED AND MESH TIES ARE NOT ACCEPTABLE.
7. PROVIDE BULLNOSE MASONRY UNITS AT OUTSIDE CORNERS AND PER SPECIFICATIONS.
8. PROVIDE SPECIAL-SHAPED MASONRY UNITS PER DETAILS AND SPECIFICATIONS.
9. FILL ALL CORES IN MASONRY UNITS AT THE FOLLOWING LOCATIONS: MECHANICAL ROOMS / MEZZANINES / PENTHOUSES / EQUIPMENT PLATFORMS, ELEVATOR MACHINE ROOMS, AND AS INDICATED. SEE SPECIFICATIONS.
10. PROVIDE ACOUSTICAL SEALANT AT PARTITIONS IN THE FOLLOWING LOCATIONS: MECHANICAL ROOMS / MEZZANINES / PENTHOUSES / EQUIPMENT PLATFORMS, AND ELEVATOR MACHINE ROOM. SEE SPECIFICATIONS.
11. PROVIDE CONTROL JOINTS IN MASONRY WALLS AS INDICATED ON PLANS, ELEVATIONS, DETAILS, AND AS SPECIFIED. WHERE JOINTS ARE NOT SHOWN, PROVIDE ACCORDING TO B.I.A AND N.C.M.A. TEK NOTES. SUBMIT SHOP DRAWING FOR ARCHITECT'S APPROVAL.

WALL TYPE GENERAL NOTES



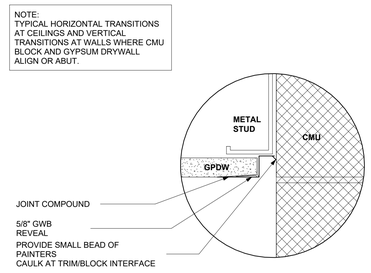
1B. CONTROL JOINT DETAIL AT RATED STUD PARTITION



1A. STUD WALL HEAD DETAIL

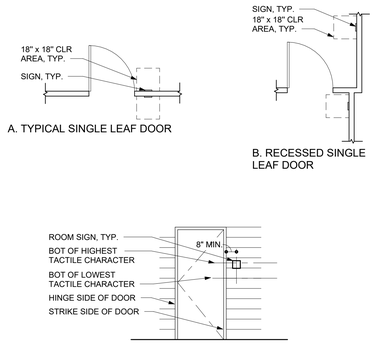
1 TYPICAL STUD WALL DETAILS

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



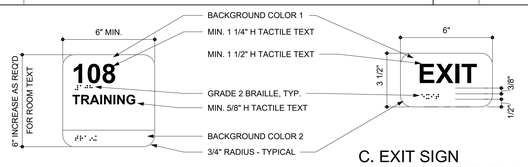
2 TYPICAL REVEAL DETAIL

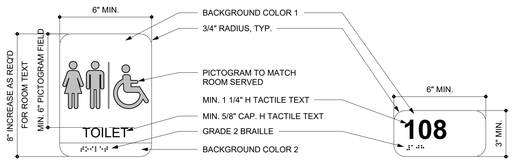
SCALE : N.T.S.



3 TYPICAL SIGNAGE MOUNTING LOCATIONS

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





GENERAL SIGNAGE NOTES:
1. SIGNAGE SHALL COMPLY WITH 2010 ADA STANDARDS, ICC/ANSI A117.1-2017, IBC, AND NFPA 101.
2. COORDINATE SIGN MESSAGES WITH APPROVED ROOM NAMES AND NUMBERS.
3. TEXT COLOR SHALL CONTRAST WITH BACKGROUND COLOR. BRAILLE COLOR SHALL MATCH BACKGROUND COLOR.
4. REFER TO ELECTRICAL FOR ILLUMINATED AREA OF REFUGE AND EXTERIOR AREA FOR RESCUE ASSISTANCE SIGNS.
5. PROVIDE INSTRUCTION SIGN AT AREAS OF REFUGE FOR USE OF THE AREA UNDER EMERGENCY CONDITIONS.
6. WHERE LUMINOUS EGRESS PATH MARKINGS ARE REQUIRED, SPECIAL EXIT SIGNS AND STAIR LANDING SIGNS SHALL BE OF SAME LUMINOUS MATERIALS.
7. TACTILE TEXT SHALL BE RAISED 1/32".

4 TYPICAL SIGNAGE DETAILS

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

DOOR SCHEDULE

MARK	DOOR SIZE WIDTH	DOOR SIZE HT	DOOR SIZE THICK	DOOR MATL	DOOR TYPE	DOOR FIN	DOOR GLAZ	FRAME MATL	FRAME TYPE	FRAME FIN	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FIRE RATING	HDWE SET	COMMENTS
FIRST FLOOR																
A140/1	3' - 0"	7' - 0"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	01	
A140/2	3' - 0"	7' - 0"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	01	
A140/3	3' - 0"	7' - 0"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	01	
A140/4	3' - 0"	7' - 0"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	01	
A140/5	3' - 0"	7' - 0"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	01	
A140/6	3' - 0"	7' - 0"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	01	
B135/1	3' - 0"	7' - 2"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	02	
B137/1	3' - 0"	7' - 2"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	02	
B140/1	3' - 0"	7' - 2"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	02	
B141/1	3' - 0"	7' - 2"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	02	
SECOND FLOOR																
A238/1	3' - 0"	7' - 2"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	02	
A242/1	3' - 0"	7' - 2"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	02	
B251/1	3' - 0"	7' - 2"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	02	
B252/1	3' - 0"	7' - 2"	1 3/4"	SCWD	A	FAC	-	HM	HM-1	PT-5	H1	J1	S1	-	02	

DOOR SCHEDULE LEGEND

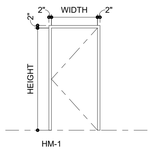
-	NONE (IE., NOT APPLICABLE OR FACTORY FINISHED)
HM	HOLLOW METAL
PT	PAINTED (w/ SEQUENCE)
SCWD	SOLID CORE WOOD DOOR
FAC	FACTORY FINISH

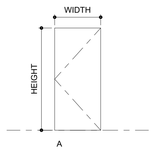
DOOR HARDWARE SCHEDULE

HARDWARE SET 01 (SINGLE TLT ROOMS)	HARDWARE SET 02 (PUBLIC RESTROOMS)
(3) HINGES	(3) HINGES
(1) PRIVACY LATCHSET	(1) AUXILIARY LOCK
(2) KICK PLATE	(1) HAND PULL
(1) DOUBLE-ACTING CLOSER	(1) PUSH PLATE
(3) SILENCERS	(2) KICK PLATE
(1) WALL STOP	(1) DOUBLE-ACTING CLOSER
	(3) SILENCERS
	(1) WALL STOP

HARDWARE NOTES:
1) HARDWARE LISTS ARE INTENDED TO SHOW GENERAL INTENT OF DOOR OPERATION. ANY ADDITIONAL ITEMS NOT LISTED, BUT REQUIRED TO ENSURE PROPER DOOR OPERATION, ARE TO BE INCLUDED BY VENDOR.

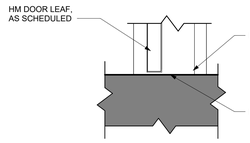
3) CONTRACTOR TO PROVIDE CORES FOR ALL DOORS. FINAL KEYING BY OWNER.





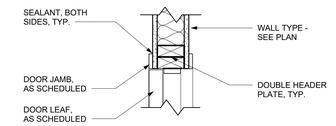
5 DOOR SCHEDULES, LEGENDS, AND FRAME DETAILS

SCALE : N.T.S.



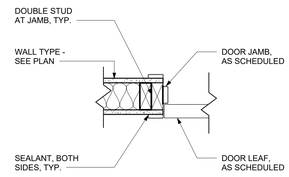
S1 SECTION DETAIL @ INTERIOR DOOR SILL, TYP.

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



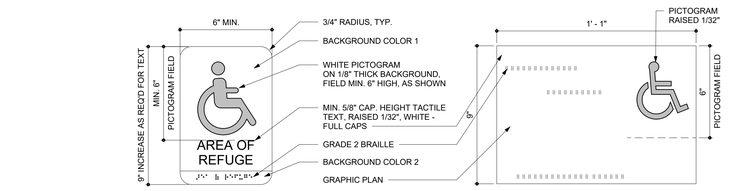
H1 SECTION DETAIL @ INTERIOR DOOR HEAD, TYP.

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



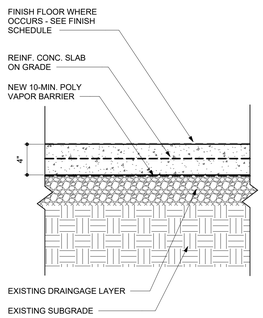
J1 PLAN DETAIL @ INTERIOR DOOR JAMB, TYP.

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



6 SIGNAGE DETAILS

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



7 SLAB TYPE 1

SCALE : N.T.S.

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DATE OF SIGNATURE: 08.07.2026
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PROJECT TITLE

RICHARDSON & ROBBINS BUILDING - R&R RESTROOM RENOVATION

RICHARDSON & ROBBINS
BUILDING
89 KINGS HWY. SW
DOVER, DE 19901

SHEET TITLE

CONSTRUCTION TYPES - INTERIOR WALL TYPES, DOOR SCHEDULES, & CONSTRUCTION DETAILS

PRELIMINARY
NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
ISSUED: 10/27/2026

ISSUE BLOCK

Mark	Date	Description
5	10/27/2026	Issued For Bidding
4	08/07/2026	FD Submission
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1	04/25/2026	PS/SD Submission

PROJECT NO:	2024.336.00
DATE:	08/07/2026
SCALE:	As indicated
DRAWN BY: CGK	PROJ MGR: DTD

A001

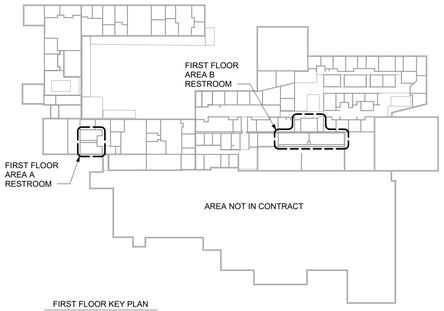
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10/19/2026 1:46:59 PM Autodesk Docs://R&R Restroom Renovations/20243600.rvt

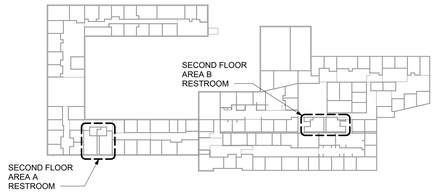
GENERAL SYMBOL KEYS

- 01 — SPECIALTY EQUIPMENT TAG
- 2A — WALL TYPE, SEE A501
- WOMENS / B142 — ROOM NAME AND NUMBER
- EXISTING WALL TO REMAIN
- NEW DOOR
- EXISTING DOOR TO REMAIN
- SIM / SIM / SIM / SIM / A703 — INTERIOR ELEVATION TAG

KEY PLAN



FIRST FLOOR KEY PLAN
SCALE: NTS



SECOND FLOOR KEY PLAN
SCALE: NTS

N
TRUE NORTH

GENERAL NOTES

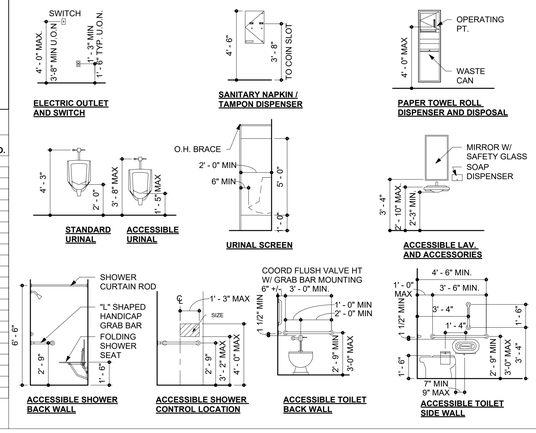
1. DIMENSIONS ARE TO EXTERIOR FACE OF CONCRETE, MASONRY, OR METAL STUD UNLESS OTHERWISE NOTED.
2. SEE SHEET A001 FOR SLAB AND OTHER CONSTRUCTION TYPES AND TYPICAL DETAILS.
3. SEE SHEET A102 FOR FINISH SCHEDULE AND LEGEND.
4. SEE SHEET A001 FOR DOOR SCHEDULE, DOOR TYPES.
5. COORDINATE REQUIREMENTS OF WORK WITH ALL OTHER TRADES.

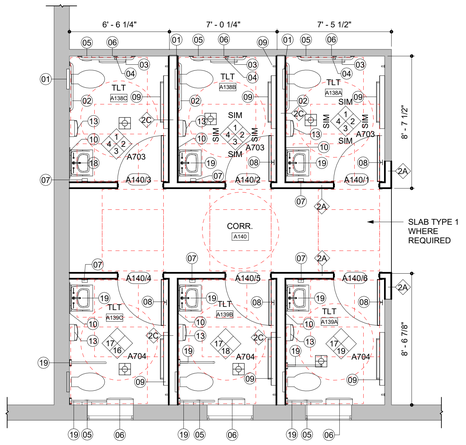
TOILET ACCESSORY SCHEDULE

KEY	ACCESSORY DESCRIPTION	Manufacturer	MFR'S PRODUCT NO.
01	SEAT COVER DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-4221
02	36" GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-6806x36
03	42" GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-9806x42
04	18" VERTICAL GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-9806x18
05	NAPKIN DISPOSAL	BOBRICK WASHROOM EQUIPMENT, INC.	B-270
06	TOILET TISSUE DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-2892
07	SOAP DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-2111
08	ROBE HOOK	BOBRICK WASHROOM EQUIPMENT, INC.	B-7672
09	BABY CHANGING STATION	BOBRICK WASHROOM EQUIPMENT, INC.	KB310-SSWM
10	OVER-SINK GLASS MIRROR	BOBRICK WASHROOM EQUIPMENT, INC.	B-165 2436
11	FULL HEIGHT MIRROR	BOBRICK WASHROOM EQUIPMENT, INC.	B-165
12	NAPKIN / TAMPON VENDOR	BOBRICK WASHROOM EQUIPMENT, INC.	B-2706C
13	PAPER TOWEL DISP. / WASTE RECEPT.	BOBRICK WASHROOM EQUIPMENT, INC.	B-43949
14	48" SHOWER CURTAIN ROD	BOBRICK WASHROOM EQUIPMENT, INC.	B-207x48
15	60" SHOWER CURTAIN ROD	BOBRICK WASHROOM EQUIPMENT, INC.	B-207x60
16	TOILET PARTITION / URINAL SCREEN	HADRIAN TOILET PARTITIONS	300-009
17	ODOR CONTROL UNIT (72" A.F.F.)	TERRAQ TECHNOLOGIES, LLC	GS301
18	UNDER LAVATORY PROTECTOR	IPS / TRUEBRO LAVSHIELD	20181
19	30" SWING UP GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-4998
20	36"x72" VINYL SHOWER CURTAIN	BOBRICK WASHROOM EQUIPMENT, INC.	B-204-2
21	70"x72" VINYL SHOWER CURTAIN	BOBRICK WASHROOM EQUIPMENT, INC.	B-204-3

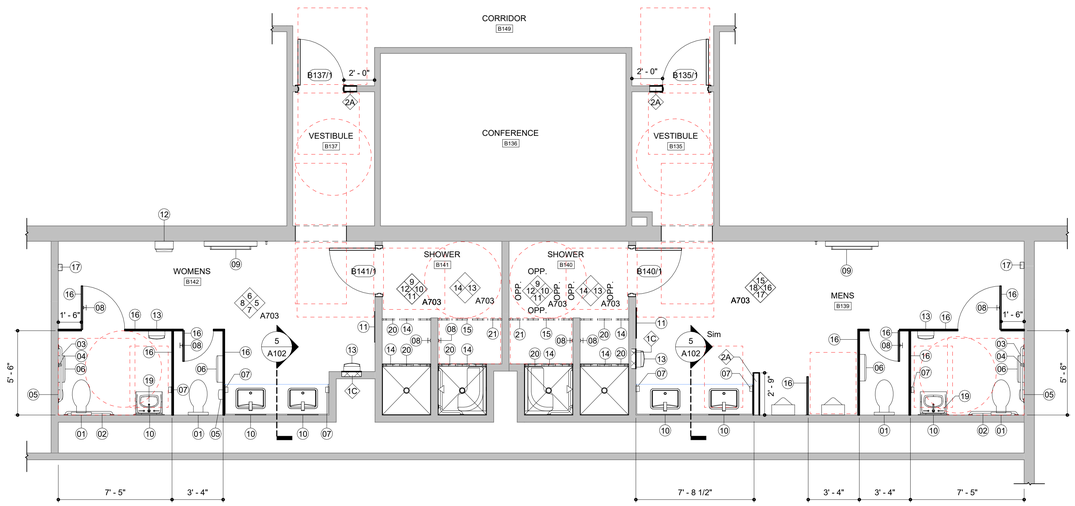
NOTE: MANUFACTURER AND PRODUCT NUMBER ARE BASIS OF DESIGN REFERENCE. REFER TO SPECIFICATION SECTION 10 28 00 / 2.01 FOR SUBSTITUTIONS.

STANDARD MOUNTING HEIGHTS

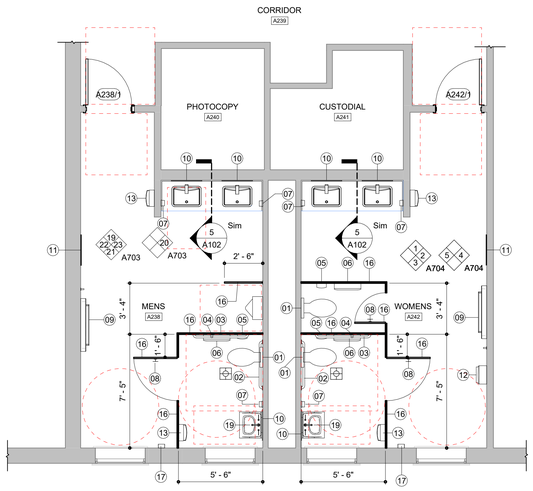




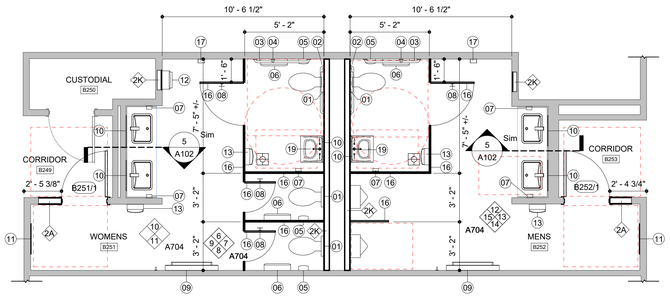
1 NEW WORK FIRST FLOOR PLAN AREA A RESTROOM
SCALE: 1/4" = 1'-0"



2 NEW WORK FIRST FLOOR AREA B RESTROOM
SCALE: 1/4" = 1'-0"



3 NEW WORK SECOND FLOOR AREA A RESTROOM
SCALE: 1/4" = 1'-0"



4 NEW WORK SECOND FLOOR AREA B RESTROOM
SCALE: 1/4" = 1'-0"

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RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER, DE 19901

SHEET TITLE

TOILET ROOM NEW WORK FLOOR PLANS

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PROJECT NO: 2024.336.00
DATE: 08/07/2026
SCALE: As indicated
DRAWN BY: DTD | PROJ MGR: DTD

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FINISH SCHEDULE LEGEND

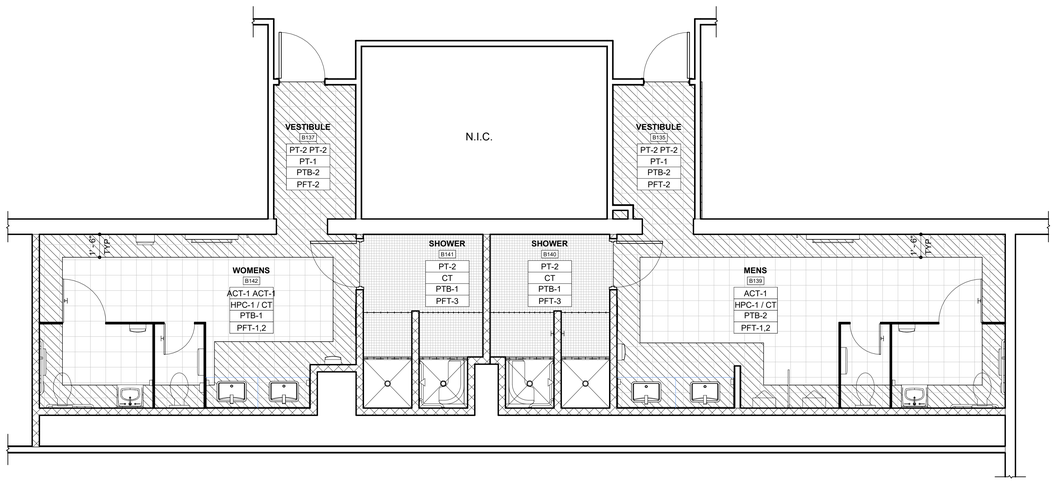
MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR / FINISH	SIZE	COMMENTS	LOCATION	SPEC. REF.
FLOOR								
PFT-1	PORCELAIN FLOOR TILE	DALTILE	HAUT MONDE	ELITE GREY HM05	12X12			
PFT-2	PORCELAIN FLOOR TILE	DALTILE	HAUT MONDE	EMPIRE BLACK HM06	12X12			033000
PFT-3	PORCELAIN FLOOR TILE	DALTILE	HAUT MONDE	ELITE GREY HM05	2X2 MOSAIC	USE AT SHOWERS		
BASE								
PTB-1	PORCELAIN WALL BASE	DALTILE	HAUT MONDE	ELITE GREY HM05	6X12 COVE			033000
PTB-2	PORCELAIN WALL BASE	DALTILE	HAUT MONDE	EMPIRE BLACK HM06	6X12 COVE			
WALL								
CT-1	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC	WHITE	3X6	SEE WALL PATTERNS		
CT-2	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC	DESERT GRAY	3X6 BEVEL	SEE WALL PATTERNS		
CT-3	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC	SUEDE GRAY	3X6	SEE WALL PATTERNS		
CT-4	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC	CHALKBOARD	3X6	SEE WALL PATTERNS		
HPC-1	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	PRODUCT SELECTED PER LOCATION USE	SNOWBOUND SW7004	-	SEMI-GLOSS FINISH		
PT-1	PAINT	SHERWIN WILLIAMS	PRODUCT SELECTED PER LOCATION USE	SNOWBOUND SW7004	-	SEMI-GLOSS FINISH		
PT-3	PAINT - DOOR FRAMES AND TRIM	SHERWIN WILLIAMS	PRODUCT SELECTED PER LOCATION USE	PASSIVE SW7064		SEMI-GLOSS FINISH		
CEILING								
ACT-1	ACOUSTICAL TILE CEILING	ARMSTRONG	OPTIMA HEALTH ZONE	WHITE	2X2			
PT-2	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	PRODUCT SELECTED PER LOCATION USE	SNOWBOUND SW7004	-	FLAT FINISH, USE AT ALL DRYWALL CEILING LOCATIONS - SEE RCPS		
MILLWORK, CASEWORK, DOORS, MISC. FINISHES								
SCWD	SOLID CORE WOOD DOOR W/ PREFINISH VENEER			COLOR TBD FROM MFG. STANDARDS				
SS-1	SOLID SURFACING	CORIAN	SOLID SURFACE	DOVE				
TP-1	TOILET PARTITION	HADRIAN	SOLID PLASTIC PARTITIONS	FROST GRANITE 219				
TR-1	METAL TRIM STRIP	SCHLUTER SYSTEMS	JOLLY-ACG	ALUMINUM				

FINISH SCHEDULE

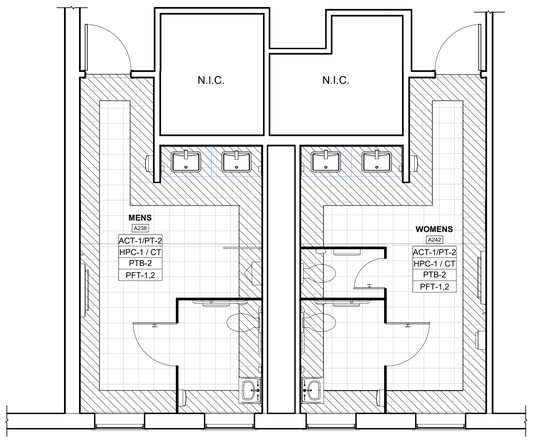
#	ROOM NAME	FLOOR MAT	BASE MAT	WALL								CEILING	
				NORTH		EAST		SOUTH		WEST			
				MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN
FIRST FLOOR													
A138A	TLT	PFT-1	PTB-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CWT-1,2,3,4	GWB	PT-2
A138B	TLT	PFT-1	PTB-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CWT-1,2,3,4	GWB	PT-2
A138C	TLT	PFT-1	PTB-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CWT-1,2,3,4	GWB	PT-2
A139A	TLT	PFT-1	PTB-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CWT-1,2,3,4	GWB	PT-2
A139B	TLT	PFT-1	PTB-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CWT-1,2,3,4	GWB	PT-2
A139C	TLT	PFT-1	PTB-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CT-1/HPC-1	GWB	CWT-1,2,3,4	GWB	PT-2
A140	CORR.	PFT-2	PTB-2	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-2
B135	VESTIBULE	PFT-2	PTB-2	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-2
B137	VESTIBULE	PFT-2	PTB-2	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-2
B139	MENS	PFT-1,2	PTB-2	GWB	HPC-1/CT-1, 2,3,4	GWB	HPC-1/CT-1,2,3,4	CMU	CT-1,2,3,4	CMU	HPC-1/CT-1, 2,3,4	ACT-1	ACT-1
B140	SHOWER	PFT-3	PTB-1	GWB	CT-1,2,3,4	CMU	CT-1,2,3,4	CMU	CT-1,2,3,4	CMU	CT-1,2,3,4	GWB	PT-2
B141	SHOWER	PFT-3	PTB-1	GWB	CT-1,2,3,4	CMU	CT-1,2,3,4	CMU	CT-1,2,3,4	CMU	CT-1,2,3,4	GWB	PT-2
B142	WOMENS	PFT-1,2	PTB-1	GWB	HPC-1/CT-1, 2,3,4	CMU	HPC-1/CT-1,2,3,4	CMU	CT-1,2,3,4	CMU	HPC-1/CT-1, 2,3,4	ACT-1	ACT-1
SECOND FLOOR													
A238	MENS	PFT-1,2	PTB-2	GWB	HPC-1/CT-1, 2,3,4	GWB	HPC-1/CT-1,2,3,4	GWB	HPC-1/CT-1, 2,3,4	GWB	HPC-1/CT-1, 2,3,4	ACT-1/G WB	ACT-1/P T-2
A242	WOMENS	PFT-1,2	PTB-2	GWB	HPC-1/CT-1, 2,3,4	GWB	HPC-1/CT-1,2,3,4	GWB	HPC-1/CT-1, 2,3,4	GWB	HPC-1/CT-1, 2,3,4	ACT-1/G WB	ACT-1/P T-2
B251	WOMENS	PFT-1,2	PTB-2	GWB	HPC-1/CT-1, 2,3,4	GWB	CT-1,2,3,4	GWB	HPC-1/CT-1, 2,3,4	GWB	HPC-1/CT-1, 2,3,4	ACT-1/G WB	ACT-1/P T-2
B252	MENS	PFT-1,2	PTB-2	GWB	HPC-1/CT-1, 2,3,4	GWB	HPC-1/CT-1,2,3,4	GWB	HPC-1/CT-1, 2,3,4	GWB	CT-1,2,3,4	ACT-1/G WB	ACT-1/P T-2



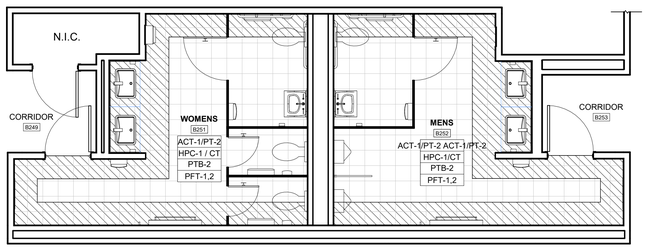
1 NEW WORK FIRST FLOOR FINISH PLAN - AREA A RESTROOM
SCALE: 1/4" = 1'-0"



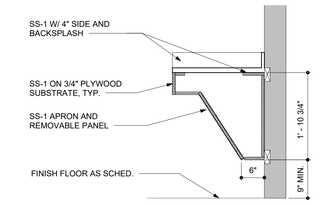
2 NEW WORK FIRST FLOOR FINISH PLAN - AREA B RESTROOM
SCALE: 1/4" = 1'-0"



3 NEW WORK SECOND FLOOR FINISH PLAN - AREA A RESTROOM
SCALE: 1/4" = 1'-0"



4 NEW WORK SECOND FLOOR FINISH PLAN - AREA B RESTROOM
SCALE: 1/4" = 1'-0"



5 SECTION DETAIL AT SINK CASEWORK
SCALE: 3/4" = 1'-0"

FINISH SYMBOL LEGEND

1. FINISHES CALLED OUT IN TAG ARE FIELD FINISHES. SEE FINISH PLAN(S), ELEVATIONS & RCP(S) FOR EXTENTS OF ACCENTS.
2. SEE SHEET FINISH SCHEDULE LEGEND FOR ABBREVIATION DEFINITION.

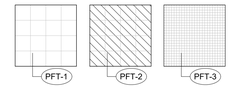
ROOM FINISH TAG:

XX-1	CEILING FINISH
XX-1	WALL FINISH (FIELD)
XX-1	WALL BASE FINISH
XX-1	FLOOR FINISH

FINISH TAG:

XX-1 — SEE FINISH LEGEND
XX-1 — ACCENT WALL

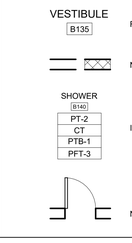
FLOOR FINISH PATTERNS

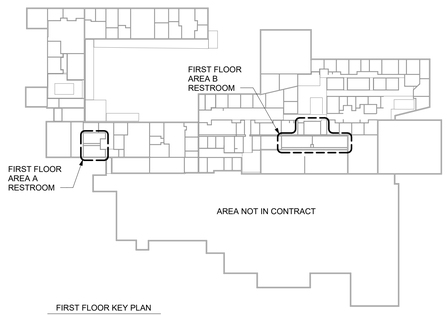


GENERAL FINISH PLAN NOTES

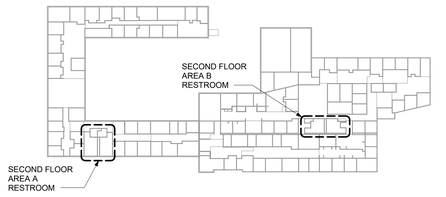
1. REFER TO FLOOR PLANS FOR ORIENTATION OF PLAN NORTH
2. WALLS AND CEILINGS MAY CONTAIN MORE THAN ONE MATERIAL OR FINISH AS INDICATED. COORDINATE WITH CONSTRUCTION TYPE AND FINISH SIMILAR TO ADJACENT MATERIALS
3. SEE REFLECTED CEILING PLAN & CEILING NOTES FOR CEILING HEIGHTS, MATERIAL EXTENTS, LOCATIONS AND HEIGHTS OF BULKHEADS, SOFFITS, ETC.
4. PLAN WALL TYPES TAKE PRECEDENCE OVER SCHEDULED WALL FINISH. PROVIDE APPROPRIATE WALL FINISH TO CORRESPOND TO WALL TYPES.
5. MOLD AND MOISTURE RESISTANT GYPSUM BOARD SHALL BE USED AT ALL TOILET ROOMS SCHEDULED TO HAVE GYPSUM BOARD FINISHES.
6. WALL AND CEILING FINISHES SHALL INCLUDE ALL PROJECTIONS, BEAM ENCLOSURES, RECESSES, BULKHEADS MATERIAL CHANGES, OR OTHER ENCLOSURES. REFER TO REFLECTED CEILING PLANS.
7. PROVIDE SEALANT/CAULK AT INTERSECTIONS OF DISSIMILAR MATERIALS AND AS RECOMMENDED BY MANUFACTURERS' GUIDELINES
8. LOCATE ALL FLOOR FINISH TRANSITIONS AT CENTERLINE OF DOOR U.O.N.
9. COORDINATE FLOOR FINISH WITH ALL FLOOR DRAINS & CLEAN OUTS.

GENERAL SYMBOL KEYS





FIRST FLOOR KEY PLAN
SCALE: NTS



SECOND FLOOR KEY PLAN
SCALE: NTS

N
TRUE NORTH

KEY PLAN

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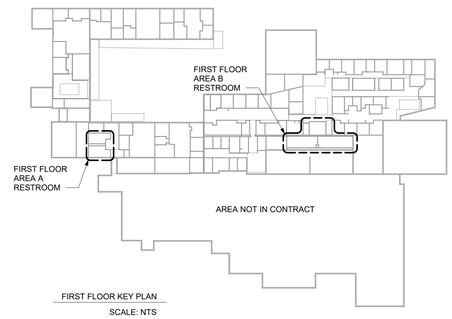
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GENERAL SYMBOL KEYS

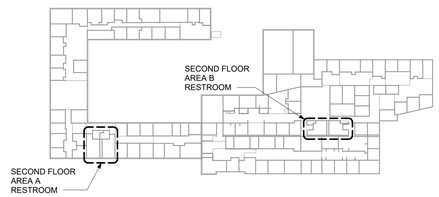
NEW WALL

EXISTING WALL TO REMAIN

1'-0" A.F.F. CEILING TAG



FIRST FLOOR KEY PLAN
SCALE: NTS



SECOND FLOOR KEY PLAN
SCALE: NTS

N
TRUE NORTH

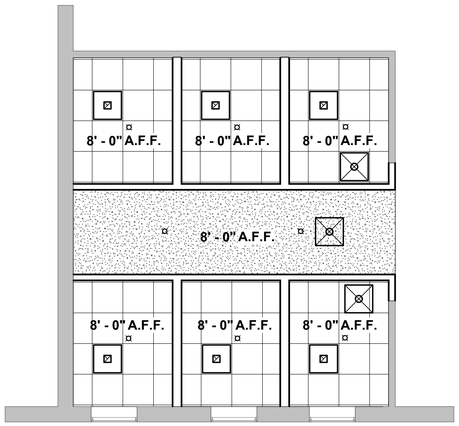
KEY PLAN

CEILING LEGEND

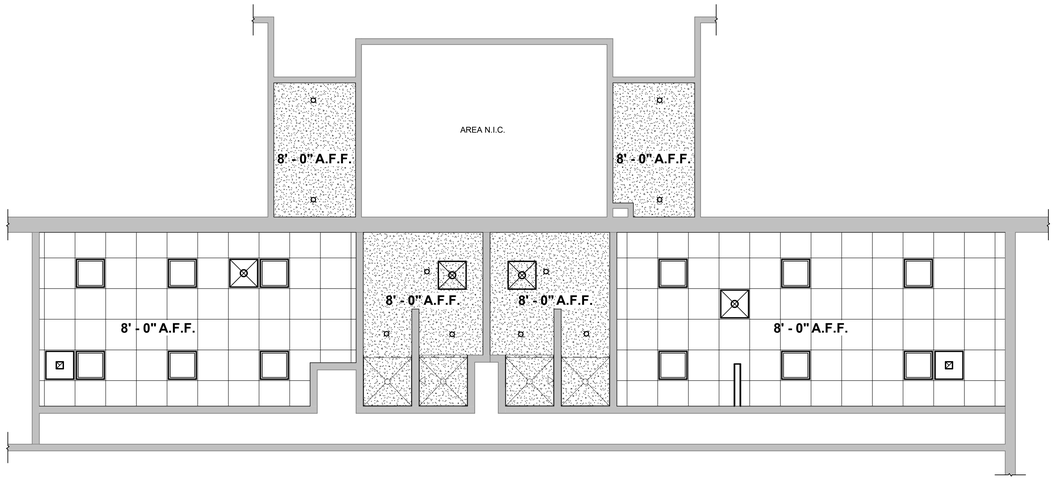
- NEW 2x2 ACOUSTICAL TILE CEILING AND GRID
- NEW 5/8" GWB CEILING / BULKHEAD ON EXISTING FRAMING
- X EXPOSED
- NEW HVAC RETURN
- NEW HVAC RECEIVER
- NEW RECESSED 2X2 LED TROFFER
- NEW RECESSED LED DOWNLIGHT

CEILING NOTES

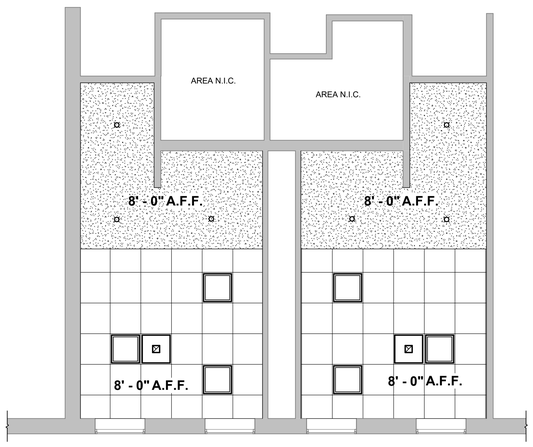
1. SEE FINISH SCHEDULE FOR ACT TYPES.
2. SEE MECHANICAL DRAWINGS FOR G.R.D. TYPES, LOCATIONS, AND ADDITIONAL WORK.
3. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES AND LOCATIONS
4. CEILING HEIGHTS INDICATED ARE FROM FINISH FLOOR. CEILINGS AT LANDINGS, RAMPS ETC., REFER TO NEAREST FLOOR LEVEL. COORDINATE WITH EXG. WINDOW MULLION LOCATIONS.
5. ALL EXPOSED LINTELS SHALL BE PAINTED.



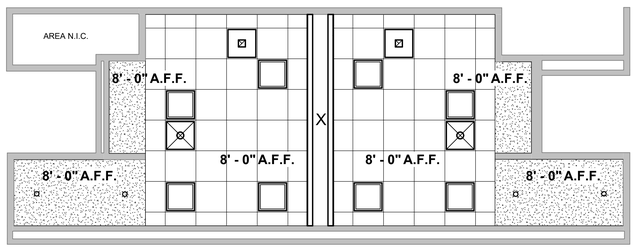
1 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



2 NEW WORK REFLECTED CEILING PLAN FIRST FLOOR AREA B RESTROOM
SCALE: 1/4" = 1'-0"



3 NEW WORK REFLECTED CEILING PLAN SECOND FLOOR AREA A RESTROOM
SCALE: 1/4" = 1'-0"



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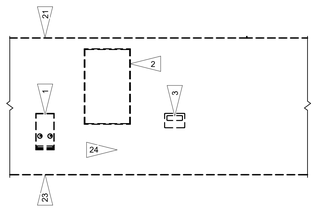
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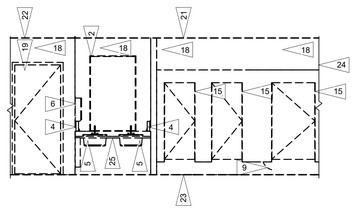
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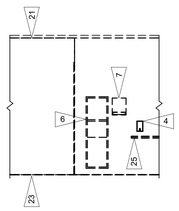
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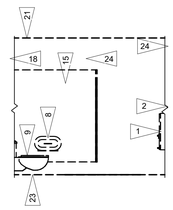
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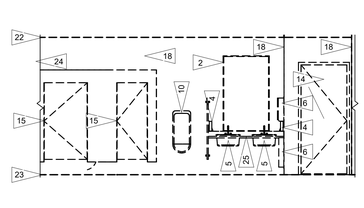
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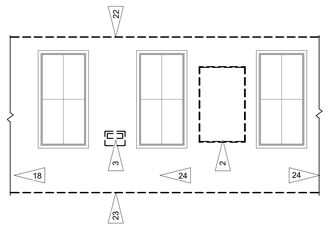
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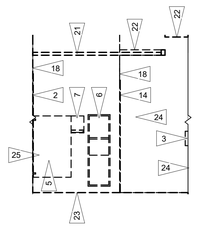
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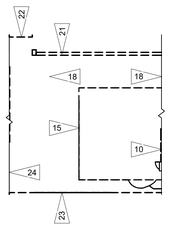
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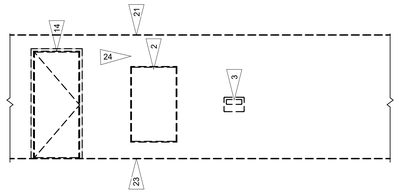
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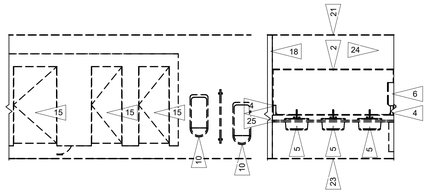
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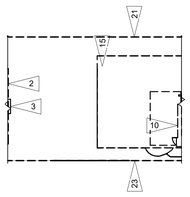
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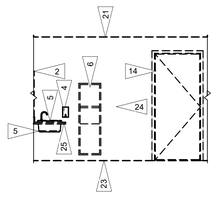
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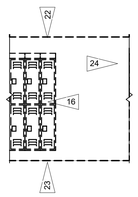
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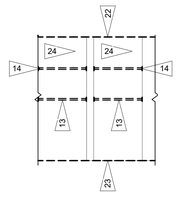
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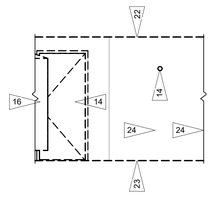
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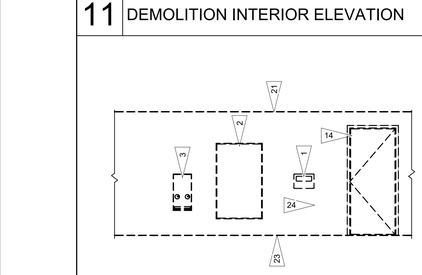
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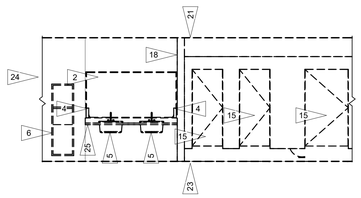
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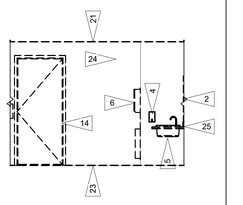
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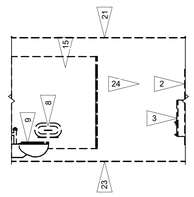
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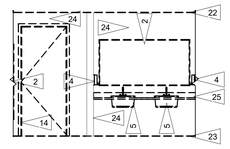
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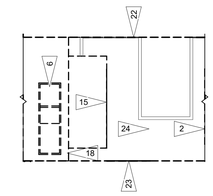
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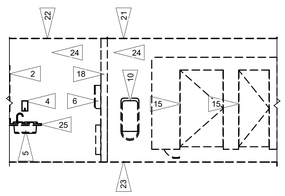
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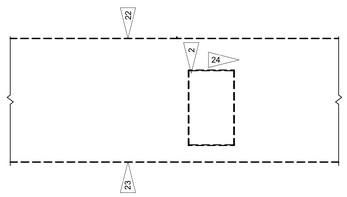
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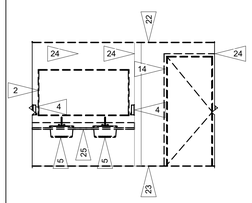
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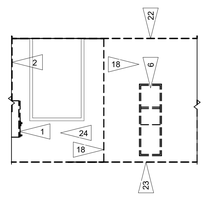
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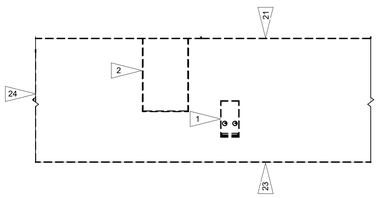
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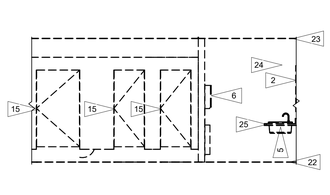
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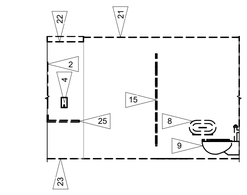
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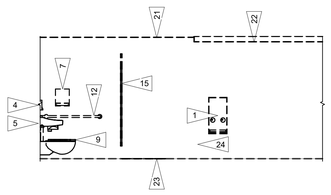
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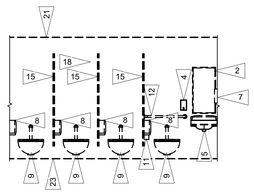
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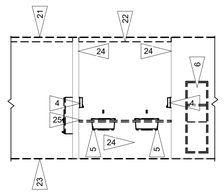
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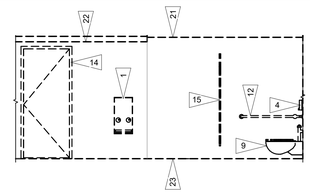
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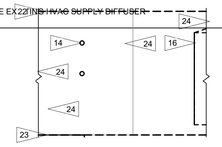
33 DEMOLITION INTERIOR ELEVATION

GENERAL DEMOLITION NOTES

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2. FIELD VERIFY ALL EXISTING CONDITIONS.
3. EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DEMOLITION OPERATIONS.
4. COORDINATE EXTENT OF DEMOLITION REQUIRED WITH NEW WORK.
5. HAZARDOUS MATERIALS ARE NOT ANTICIPATED TO BE ENCOUNTERED. NOTIFY OWNER IMMEDIATELY IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED.
6. REFER TO MECHANICAL / ELECTRICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.

SELECTIVE DEMOLITION NOTES

1. REMOVE EXISTING NAPKIN/TAMPON VENDOR
2. REMOVE EXISTING MIRROR
3. REMOVE EXISTING SEAT COVER DISPENSER
4. REMOVE EXISTING SOAP DISPENSER
5. REMOVE EXISTING SINK
6. REMOVE EXISTING PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
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16. REMOVE EXISTING LOCKERS
17. REMOVE EXISTING BENCH
18. REMOVE EXISTING WALL INCLUDING ALL INTERNAL COMPONENTS
19. REMOVE EXISTING WINDOW TREATMENTS
20. REMOVE EXISTING ELECTRIC WATER COOLER
21. REMOVE EXISTING ACOUSTICAL TILE CEILING TILES AND GRID SYSTEM
22. REMOVE EXISTING GYPSUM WALL BOARD. EXISTING FRAMING TO REMAIN.
23. REMOVE EXISTING CERAMIC FLOOR TILE AND SUBSTRATE TO EXPOSE SUBFLOOR
24. REMOVE EXISTING CERAMIC WALL TILE AND SUBSTRATE TO EXPOSE WALL STUDS
25. REMOVE EXISTING COUNTER
26. INDICATES AREA OF SELECTIVE REMOVAL OF EXISTING CONCRETE SLAB AS NECESSARY FOR DEMOLITION AND NEW CONSTRUCTION. REMOVE ASSOCIATED VAPOR BARRIER AND PREPARE SUBSURFACE TO RECEIVE NEW SLAB.
27. REMOVE EXISTING HVAC RETURN GRILL
28. REMOVE EXISTING ~~NB HVAC SUPPLY DIFFUSER~~



16 DEMOLITION INTERIOR ELEVATION

BECKER MORGAN GROUP

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STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET / DIVISION OF FACILITIES MANAGEMENT

CONTRACT #MJ1002000085

DATE OF SIGNATURE: 08.07.2026
DATE OF REGISTRATION EXPIRATION: 01.31.2027

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1) OMB / DFM

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PROJECT TITLE

RICHARDSON & ROBBINS BUILDING - R&R RESTROOM RENOVATION

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER, DE 19901

SHEET TITLE

INTERIOR DEMOLITION ELEVATIONS

PRELIMINARY
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ISSUED: 10/27/2026

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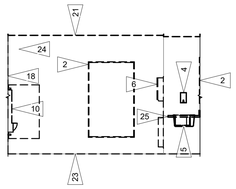
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2	03/20/2026	DD Submission
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PROJECT NO: 2024.336.00
DATE: 08/07/2026
SCALE: As indicated
DRAWN BY:Author | PROJ MGR: DTD

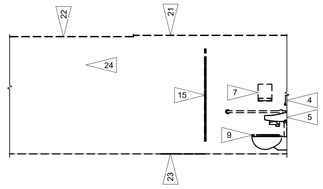
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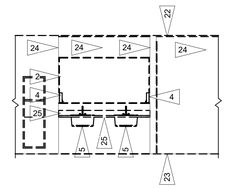
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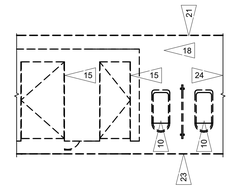
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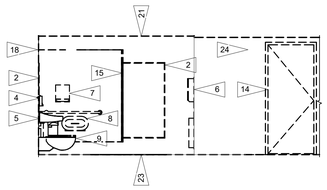
2 DEMOLITION INTERIOR ELEVATION



3 DEMOLITION INTERIOR ELEVATION



4 DEMOLITION INTERIOR ELEVATION



5 DEMOLITION INTERIOR ELEVATION

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BECKER MORGAN GROUP

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302-738-7172
www.dedc-eng.com

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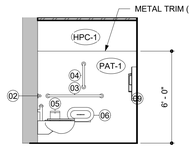
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4	08/07/2026	FD Submission
3	06/12/2026	DD Resubmission
2	03/20/2026	DD Submission
1	04/25/2026	PS/SD Submission

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SCALE:	As indicated
DRAWN BY:Author	PROJ MGR: DTD

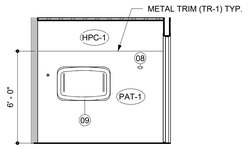
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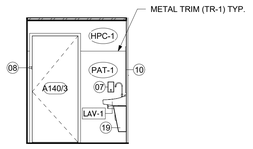
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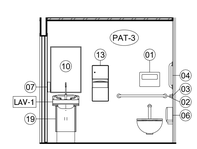
1 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



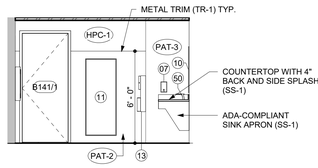
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SCALE: 1/4" = 1'-0"



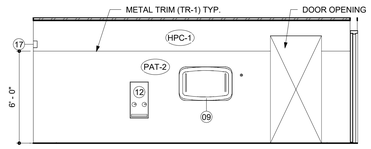
3 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



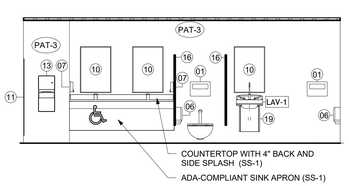
4 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



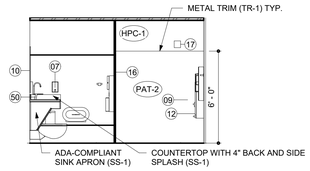
5 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



6 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



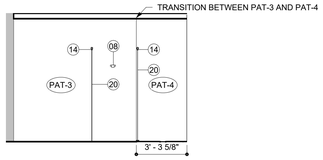
7 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



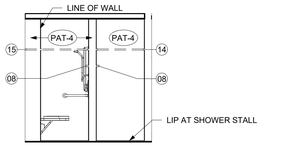
8 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



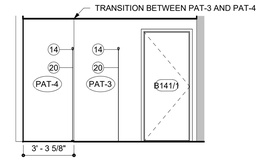
9 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



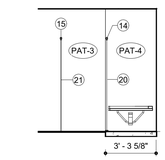
10 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



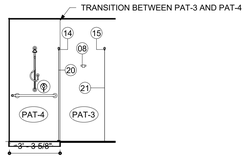
11 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



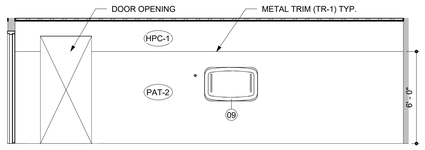
12 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



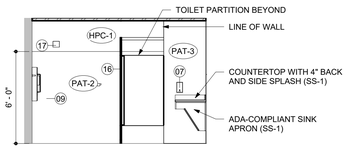
13 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



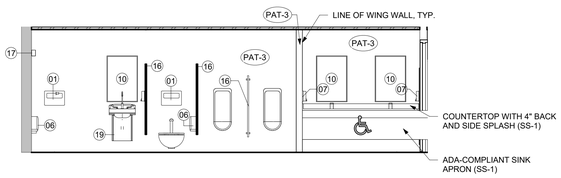
14 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



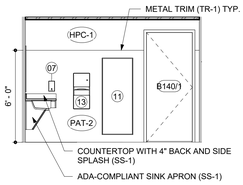
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SCALE: 1/4" = 1'-0"



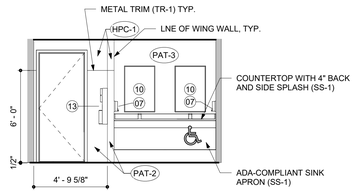
16 NEW WORK INTERIOR ELEVATION
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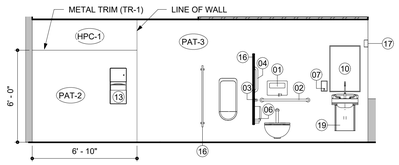
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SCALE: 1/4" = 1'-0"



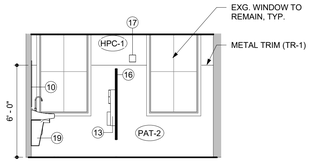
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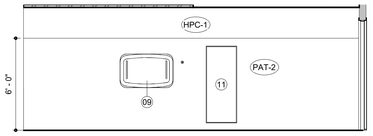
19 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



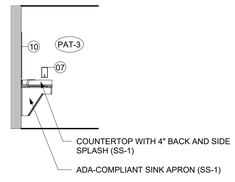
20 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



21 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



22 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



23 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL NOTES

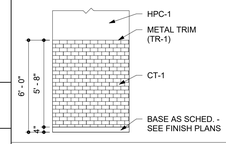
1. DIMENSIONS ARE TO EXTERIOR FACE OF CONCRETE, MASONRY, OR METAL STUD UNLESS OTHERWISE NOTED.
2. SEE SHEET A001 FOR SLAB AND OTHER CONSTRUCTION TYPES AND TYPICAL DETAILS.
3. SEE SHEET A102 FOR FINISH SCHEDULE AND LEGEND.
4. SEE SHEET A001 FOR DOOR SCHEDULE, DOOR TYPES.
5. COORDINATE REQUIREMENTS OF WORK WITH ALL OTHER TRADES.

TOILET ACCESSORY SCHEDULE

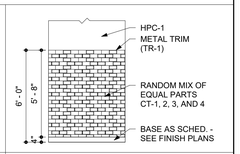
KEY	ACCESSORY DESCRIPTION	Manufacturer	MFR'S PRODUCT NO.
01	SEAT COVER DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-4221
02	36" GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-6806x36
03	42" GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-9806x42
04	18" VERTICAL GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-9806x18
05	NAPKIN DISPOSAL	BOBRICK WASHROOM EQUIPMENT, INC.	B-270
06	TOILET TISSUE DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-2892
07	SOAP DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-2111
08	ROBE HOOK	BOBRICK WASHROOM EQUIPMENT, INC.	B-7672
09	BABY CHANGING STATION	BOBRICK WASHROOM EQUIPMENT, INC.	KB310-SSWM
10	OVER-SINK GLASS MIRROR	BOBRICK WASHROOM EQUIPMENT, INC.	B-165 2436
11	FULL HEIGHT MIRROR	BOBRICK WASHROOM EQUIPMENT, INC.	B-165
12	NAPKIN / TAMPON VENDOR	BOBRICK WASHROOM EQUIPMENT, INC.	B-2706C
13	PAPER TOWEL DISP. / WASTE RECEPT.	BOBRICK WASHROOM EQUIPMENT, INC.	B-43949
14	48" SHOWER CURTAIN ROD	BOBRICK WASHROOM EQUIPMENT, INC.	B-207x48
15	60" SHOWER CURTAIN ROD	BOBRICK WASHROOM EQUIPMENT, INC.	B-207x60
16	TOILET PARTITION / URINAL SCREEN	HADRIAN TOILET PARTITIONS	300-009
17	ODOR CONTROL UNIT (72" A.F.F.)	TERRAQ TECHNOLOGIES, LLC	GS301
18	UNDER LAVATORY PROTECTOR	IPS / TRUEBRO LAVSHIELD	20181
19	30" SWING UP GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-4998
20	36"x72" VINYL SHOWER CURTAIN	BOBRICK WASHROOM EQUIPMENT, INC.	B-204-2
21	70"x72" VINYL SHOWER CURTAIN	BOBRICK WASHROOM EQUIPMENT, INC.	B-204-3

NOTE: MANUFACTUREER AND PRODUCT NUMBER ARE BASIS OF DESIGN REFERENCE. REFER TO SPECIFICATION SECTION 10 28 00 / 2.01 FOR SUBSTITUTIONS.

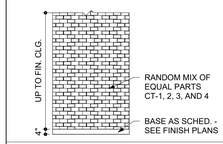
WALL TILE PATTERN KEY



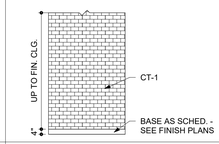
(PAT-1) WALL PATTERN 1



(PAT-2) WALL PATTERN 2

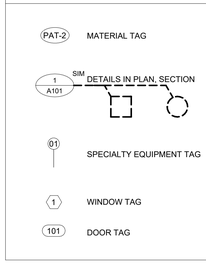


(PAT-3) WALL PATTERN 3



(PAT-4) WALL PATTERN 4

GENERAL SYMBOL KEYS



BECKER MORGAN GROUP

ARCHITECTURE
ENGINEERING

Delaware
309 S Governors Ave
Dover, DE 19904
302.734.7950

The Tower at STAR Campus
100 Discovery Boulevard, Suite 102
Newark, DE 19713
302.369.3700

Maryland
312 West Main St, Suite 300
Salisbury, MD 21801
410.546.9100

North Carolina
3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600

www.beckermorgan.com

DEDC, LLC
ENGINEERING / DESIGN / CONSULTING
315 SOUTH CHAPEL STREET
NEWARK, DELAWARE 19711
302-738-7172
www.dedc-eng.com

STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET / DIVISION OF FACILITIES MANAGEMENT

CONTRACT #MJ1002000085

DATE OF SIGNATURE: 08.07.2026
DATE OF REGISTRATION EXPIRATION: 01.31.2027

THE PROFESSIONAL SERVICES OF THE ARCHITECT ARE UNDERTAKEN FOR AND ARE PERFORMED IN THE INTEREST OF:
1) OMB / DFM

NO CONTRACTURAL OBLIGATION IS ASSUMED BY THE ARCHITECT FOR THE BENEFIT OF ANY OTHER PERSON INVOLVED IN THE PROJECT.

PROJECT TITLE

RICHARDSON & ROBBINS BUILDING - R&R RESTROOM RENOVATION

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER, DE 19901

SHEET TITLE

INTERIOR NEW WORK ELEVATIONS

PRELIMINARY
NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
ISSUED: 10/27/2026

ISSUE BLOCK

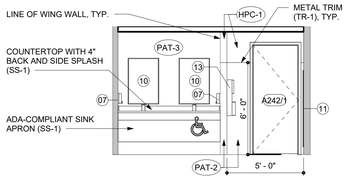
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4	08/07/2026	FD Submission
3	06/12/2026	DD Resubmission
2	03/20/2026	DD Submission
1	04/25/2026	PS/SD Submission

PROJECT NO: 2024.336.00
DATE: 08/07/2026
SCALE: As indicated
DRAWN BY: Author | PROJ MGR: DTD

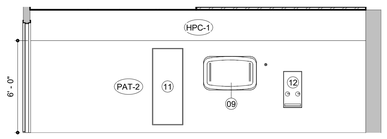
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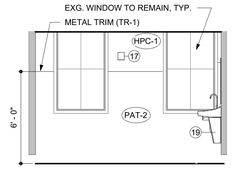
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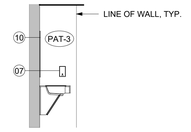
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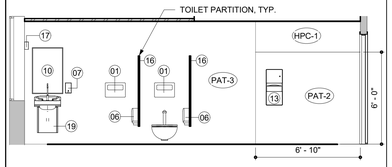
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SCALE: 1/4" = 1'-0"



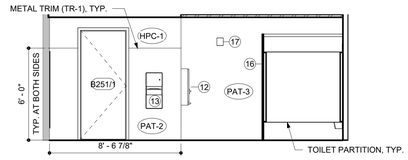
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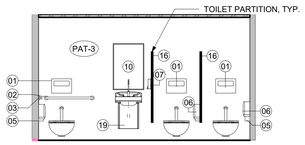
4 NEW WORK INTERIOR ELEVATION
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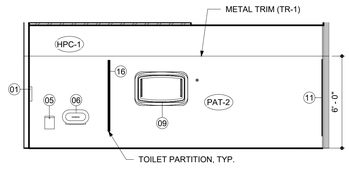
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SCALE: 1/4" = 1'-0"



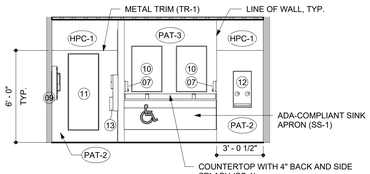
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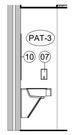
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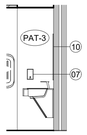
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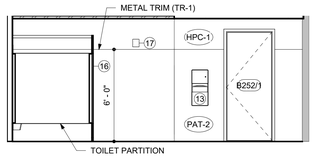
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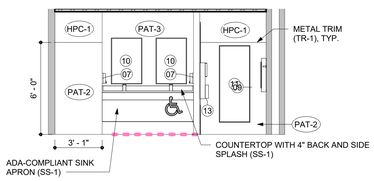
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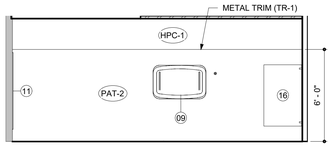
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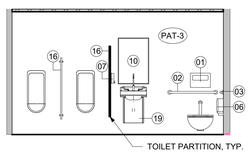
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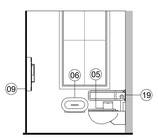
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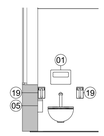
14 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



15 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



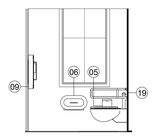
16 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



17 NEW WORK INTERIOR ELEVATION
SCALE: 1/4
" = 1'-0"



18 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



19 NEW WORK INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL NOTES

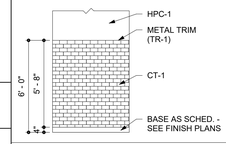
1. DIMENSIONS ARE TO EXTERIOR FACE OF CONCRETE, MASONRY, OR METAL STUD UNLESS OTHERWISE NOTED.
2. SEE SHEET A001 FOR SLAB AND OTHER CONSTRUCTION TYPES AND TYPICAL DETAILS.
3. SEE SHEET A102 FOR FINISH SCHEDULE AND LEGEND.
4. SEE SHEET A001 FOR DOOR SCHEDULE, DOOR TYPES.
5. COORDINATE REQUIREMENTS OF WORK WITH ALL OTHER TRADES.

TOILET ACCESSORY SCHEDULE

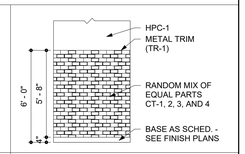
KEY	ACCESSORY DESCRIPTION	Manufacturer	MFR'S PRODUCT NO.
01	SEAT COVER DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-4221
02	36" GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-6806x36
03	42" GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-9806x42
04	18" VERTICAL GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-9806x18
05	NAPKIN DISPOSAL	BOBRICK WASHROOM EQUIPMENT, INC.	B-270
06	TOILET TISSUE DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-2892
07	SOAP DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-2111
08	ROBE HOOK	BOBRICK WASHROOM EQUIPMENT, INC.	B-7672
09	BABY CHANGING STATION	BOBRICK WASHROOM EQUIPMENT, INC.	KB310-SSWM
10	OVER-SINK GLASS MIRROR	BOBRICK WASHROOM EQUIPMENT, INC.	B-165 2436
11	FULL HEIGHT MIRROR	BOBRICK WASHROOM EQUIPMENT, INC.	B-165
12	NAPKIN / TAMPON VENDOR	BOBRICK WASHROOM EQUIPMENT, INC.	B-2706C
13	PAPER TOWEL DISP. / WASTE RECEPT.	BOBRICK WASHROOM EQUIPMENT, INC.	B-43949
14	48" SHOWER CURTAIN ROD	BOBRICK WASHROOM EQUIPMENT, INC.	B-207x48
15	60" SHOWER CURTAIN ROD	BOBRICK WASHROOM EQUIPMENT, INC.	B-207x60
16	TOILET PARTITION / URINAL SCREEN	HADRIAN TOILET PARTITIONS	300-009
17	ODOR CONTROL UNIT (72" A.F.F.)	TERRAQ TECHNOLOGIES, LLC	GS301
18	UNDER LAVATORY PROTECTOR	IPS / TRUEBRO LAVSHIELD	20181
19	30" SWING UP GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC.	B-4998
20	36"x72" VINYL SHOWER CURTAIN	BOBRICK WASHROOM EQUIPMENT, INC.	B-204-2
21	70"x72" VINYL SHOWER CURTAIN	BOBRICK WASHROOM EQUIPMENT, INC.	B-204-3

NOTE: MANUFACTUREER AND PRODUCT NUMBER ARE BASIS OF DESIGN REFERENCE. REFER TO SPECIFICATION SECTION 10 28 00 / 2.01 FOR SUBSTITUTIONS.

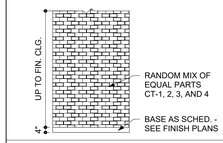
WALL TILE PATTERN KEY



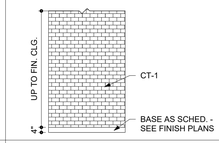
(PAT-1) WALL PATTERN 1



(PAT-2) WALL PATTERN 2



(PAT-3) WALL PATTERN 3



(PAT-4) WALL PATTERN 4

GENERAL SYMBOL KEYS



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OFFICE OF MANAGEMENT AND BUDGET / DIVISION OF FACILITIES MANAGEMENT

CONTRACT #MJ1002000085

DATE OF SIGNATURE: 08.07.2026
DATE OF REGISTRATION EXPIRATION: 01.31.2027

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1) OMB / DFM

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PROJECT TITLE

RICHARDSON & ROBBINS BUILDING - R&R RESTROOM RENOVATION

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER, DE 19901

SHEET TITLE

INTERIOR NEW WORK ELEVATIONS

PRELIMINARY
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ISSUED: 10/27/2026

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2	03/20/2026	DD Submission
1	04/25/2026	PS/SD Submission

PROJECT NO: 2024.336.00
DATE: 08/07/2026
SCALE: As indicated
DRAWN BY:Author | PROJ MGR: DTD

A704

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General Plan Symbols

Plan Revision Number

Detail Number on Sheet
Sheet Number Where Detail is Placed

Keynote Symbol

Continuation Symbol

Point Where New Connects To Existing

Room
1
Room Name / Number

Area Being Demolished

Area Not In Contract

Abbreviations

Ø	ROUND
ABV	ABOVE
AC	AIR CONDITIONING
AD	AREA DRAIN
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
ALT	ALTERNATE
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLW	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DW	DISTILLED WATER
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
E/A	EXHAUST AIR
EXIST	EXISTING
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOOR
FO	FUEL OIL
FOV	FUEL OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT/FEET
FTR	FIN TUBE RADIATION
GAL	GALLON
GF	GAS-FIRED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
HB	HOSE BIB
HP	HORSE POWER
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT
ID	INDIRECT
IN	INCH
INV	INVERT
LB	POUND
LB/HR	POUNDS PER HOUR
LAT	LEAVING AIR TEMPERATURE
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M/A	MIXED AIR
MAX	MAXIMUM
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
MU/A	MAKE-UP/AIR
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	OXYGEN
O/A	OUTSIDE AIR
ORD	OVERFLOW ROOF DRAIN
PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PWR	POWER
R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
RH	RELATIVE HUMIDITY
RL/A	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER
SF	SQUARE FOOT
S/A	SUPPLY AIR
SAN	SANITARY
SF	SQUARE FOOT
SD	SMOKE DAMPER
SM	SURFACE MOUNT
SP	STANDPIPE
SP	STATIC PRESSURE
STM	STEAM
T	THERMOSTAT
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
VAC	VACUUM
V	VENT
VAV	VARIABLE AIR VOLUME
VENT	VENTILATION
VTR	VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

Equipment Abbreviations

AC	AIR CONDITIONING UNIT
ACCU	AIR COOLING CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CH	CHILLER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CHWP	CHILLED WATER PUMP
DBP	DOMESTIC WATER BOOSTER PUMP
DC	DUCT MOUNTED COIL
DCP	DOMESTIC WATER CIRCULATING PUMP
EF	EXHAUST FAN
EDC	ELECTRIC DUCT COIL
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FCU	FAN COIL UNIT
FP	FIRE PUMP
GI	GREASE INTERCEPTOR
GRV	GRAVITY ROOF VENTILATOR
HWP	HEATING WATER PUMP
HRU	HEAT RECOVERY UNIT
PRV	POWER ROOF VENTILATOR
RE	RETURN/EXHAUST FAN
RTU	ROOFTOP UNIT
SP	SUMP PUMP
UH	UNIT HEATER
WH	WATER HEATER

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

Plumbing Symbols

- 2" — Nominal Pipe Size
- Above Ground Piping
- Below Ground Piping
- 1/8" / 12" SLOPE — Pipe Slope (When Applicable)
- (E) — Existing Pipe To Remain
- Pipe To Be Demolished
- CW — Domestic Cold-Water
- NPW — Non-Potable Water
- S-CW — Soft Cold-Water
- F-CW — Filtered Cold-Water
- RO — Reverse Osmosis Water
- HW — Domestic Hot-Water
- HW 140° — Domestic Hot-Water 140°
- HW-R — Hot-Water Recirculation
- HW-R 140° — Hot-Water Recirculation 140°
- SS — Sanitary Drain
- V — Sanitary Vent
- WW — Sanitary Wet Vent
- CWV — Combination DWV
- CD — Condensate Drain
- ID — Indirect Drain
- GW — Grease Waste
- GV — Grease Vent
- OW — Oil Waste
- OV — Oil Vent
- PD — Pump Discharge
- SHWR — Solar Water Return
- SHWS — Solar Water Supply
- SD — Storm Drain
- OSD — Storm Overflow
- CA — Compressed Air
- G — Natural Gas
- LP — Liquid Propane
- Pipe Rise / Drop

Pipe Accessory Notes

- 4" FCO — Cleanout
- 2" BACKWATER — Swing Check
- 2" CHECK — Check Valve
- 2" CHECK — Alternate Check Valve
- 2" BALANCE — Balancing Valve
- 2" CIRC — Circuit Setter
- 2" GATE — Gate Valve
- 2" QUICK — Quick Opening Valve
- 2" S/O — Ball Valve
- 2" STRAIN — Fluid Strainer
- 1" GAS-CNTRL — Emergency Gas Shutoff
- 1" PLUG — Plug Valve
- 1" GAS COCK — Gas Shutoff Cock
- 1" REG — Gas Regulator
- 1" T/V — Thermostatic Valve
- PRIMER — Trap Primer
- 2" M-CNTRL — Elec. Control Valve
- TMV-XT/P — Mixing Valve
- TMVEM — Emergency Mixer
- 2" PRV — Pressure Reducing Valve
- 2" METER — Water Meter
- 1 1/2" METER — Irrigation Meter
- Double Check Valve
- Reduced Pressure Zone

Plumbing Fixture Notes

Floor Drain
- 6" FD-1 — Design Size
- 2 DFU — Identity Type / Drainage Fixture Units
- 2" FD-3 — Floor Drain w/ Deep Seal Trap
- 2" FD-3P — Floor Drain w/ Trap Primer; "P" Indicates Primer Connection
- 2" FD-1 — Floor Drain w/ Integral Cleanout
- 3" AD-1 — Area Drain (No Trap)
- 6" DD-1 — Deck Drain
- 3" HD-1 — Hub Drain (Funnel Type)
- 3" FS-4 — Floor Sink
- 8" SD-12 — Roof Drain
- 6" SD-1 — Combination Drain
- 2000 SF — Rainfall Surface Area

GENERAL NOTES:

1. SEE DRAWING P000 FOR PLUMBING NOTES, LEGEND, & ABBREVIATIONS.
2. SEE DRAWING E000 FOR ELECTRICAL NOTES, LEGEND, & ABBREVIATIONS.
3. SEE DRAWING G002 FOR GENERAL NOTES, LEGEND, & ABBREVIATIONS.

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DOVER , DE 19901

SHEET TITLE

PLUMBING GENERAL NOTES, LEGENDS, & ABBREVIATIONS

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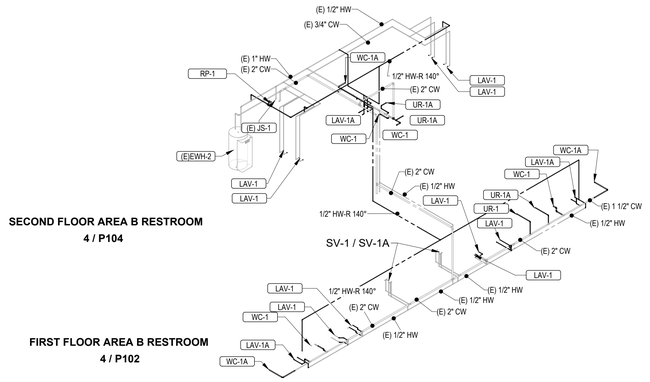
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P000

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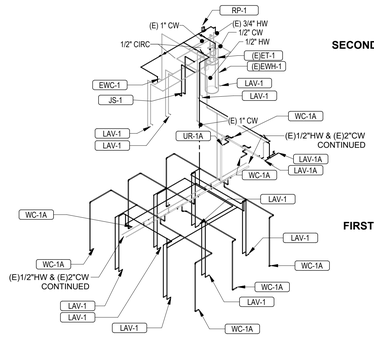
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GENERAL NOTES:
1. SEE DRAWING P000 FOR PLUMBING NOTES, LEGEND, & ABBREVIATIONS.



SECOND FLOOR AREA B RESTROOM
4 / P104

FIRST FLOOR AREA B RESTROOM
4 / P102



SECOND FLOOR AREA A RESTROOM
4 / P103

FIRST FLOOR AREA A RESTROOM
4 / P101

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SHEET TITLE

DOMESTIC WATER RISER DIAGRAMS

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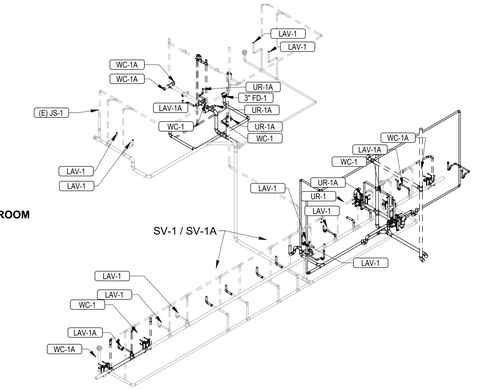
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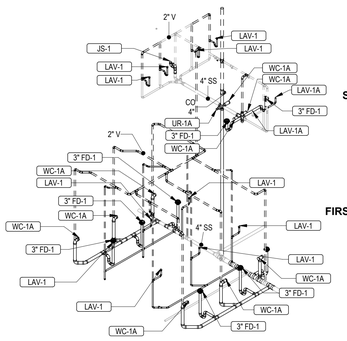
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GENERAL NOTES:
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SECOND FLOOR AREA B RESTROOM
4 / P104

FIRST FLOOR AREA B RESTROOM
4 / P102



SECOND FLOOR AREA A RESTROOM
4 / P103

FIRST FLOOR AREA A RESTROOM
4 / P101

1 / P002 DOMESTIC WATER RISER DIAGRAM

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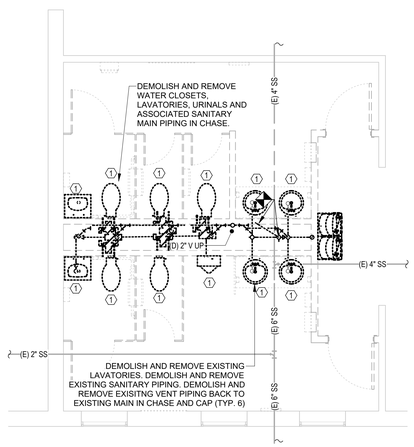
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DRAWN BY: EK | PROJ MGR: MJL

P002

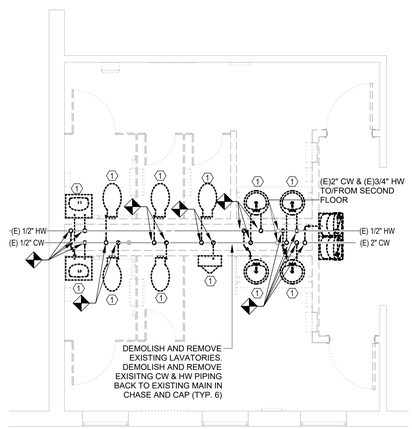
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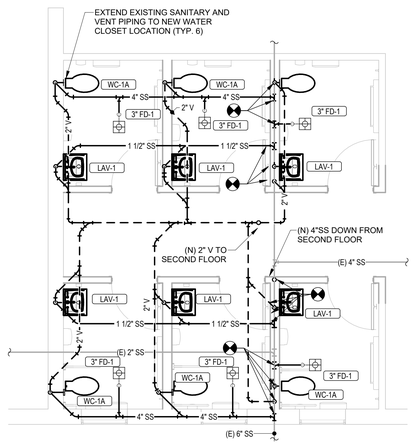
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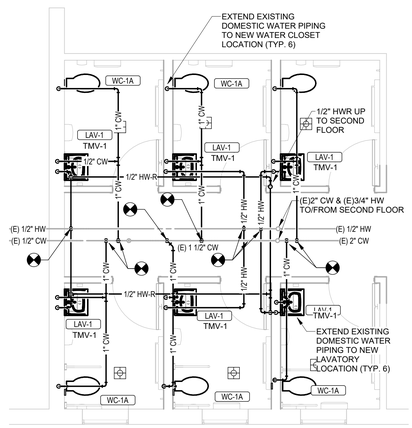
1 P101 FIRST FLOOR SANITARY DEMOLITION PLAN - AREA A
1/4" = 1'-0"



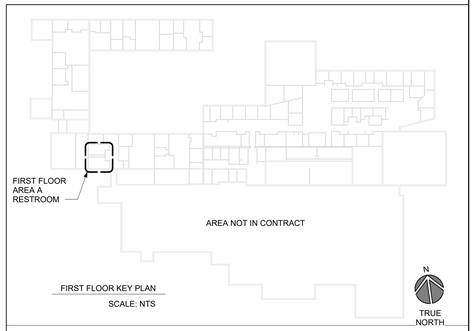
2 P101 FIRST FLOOR DOMESTIC WATER DEMOLITION PLAN - AREA A
1/4" = 1'-0"



3 P101 FIRST FLOOR SANITARY PLAN - AREA A
1/4" = 1'-0"



4 P101 FIRST FLOOR DOMESTIC WATER PLAN - AREA A
1/4" = 1'-0"



FIRST FLOOR KEY PLAN
SCALE: NTS

KEY PLAN

BECKER MORGAN GROUP

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CONTRACT #MJ1002000085

DATE OF SIGNATURE: 06.12.2026
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PROJECT TITLE

R&R RESTROOM RENOVATIONS

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER , DE 19901

SHEET TITLE

FIRST FLOOR AREA A PLUMBING PLANS

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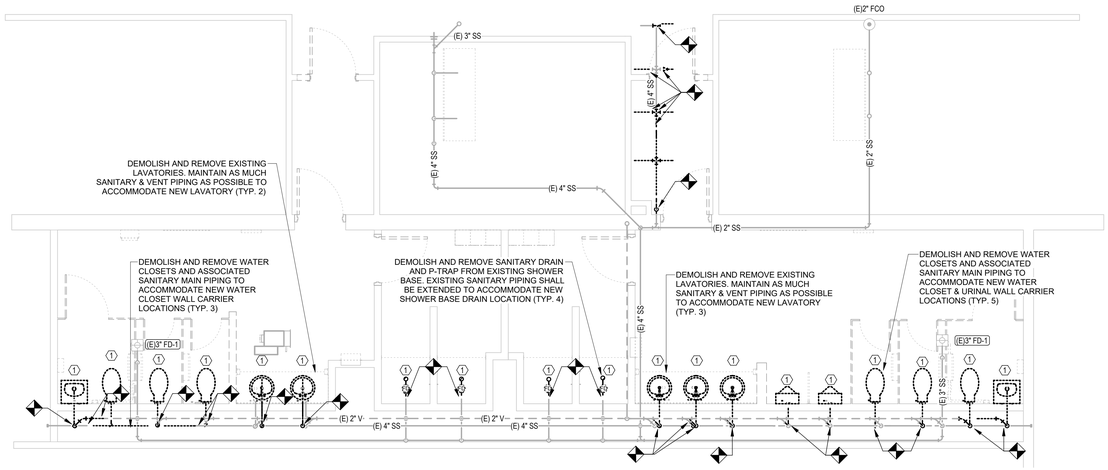
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DRAWN BY: EK	PROJ MGR: MJL

P101

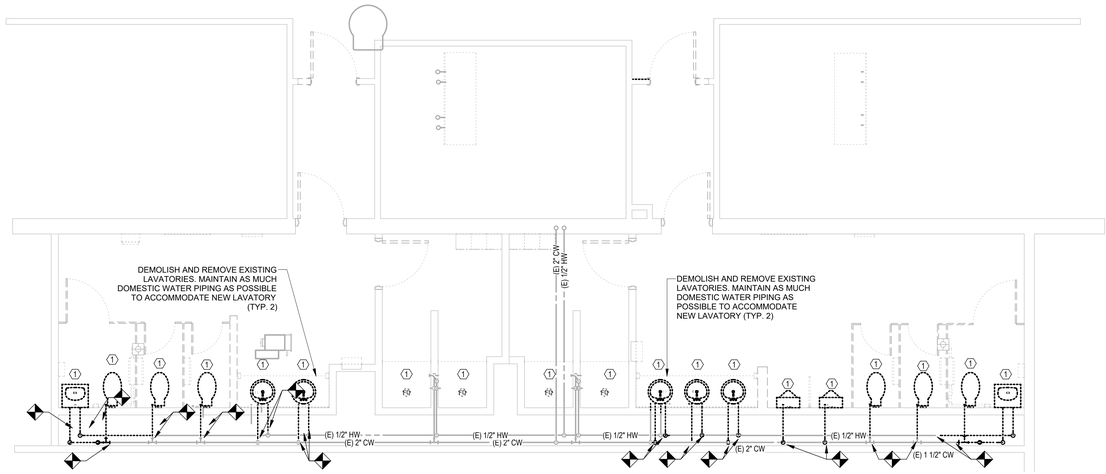
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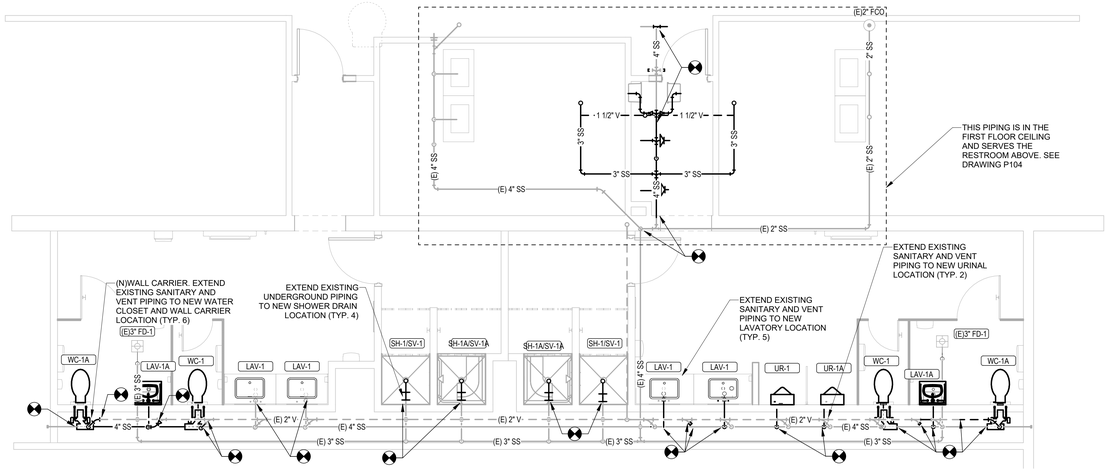
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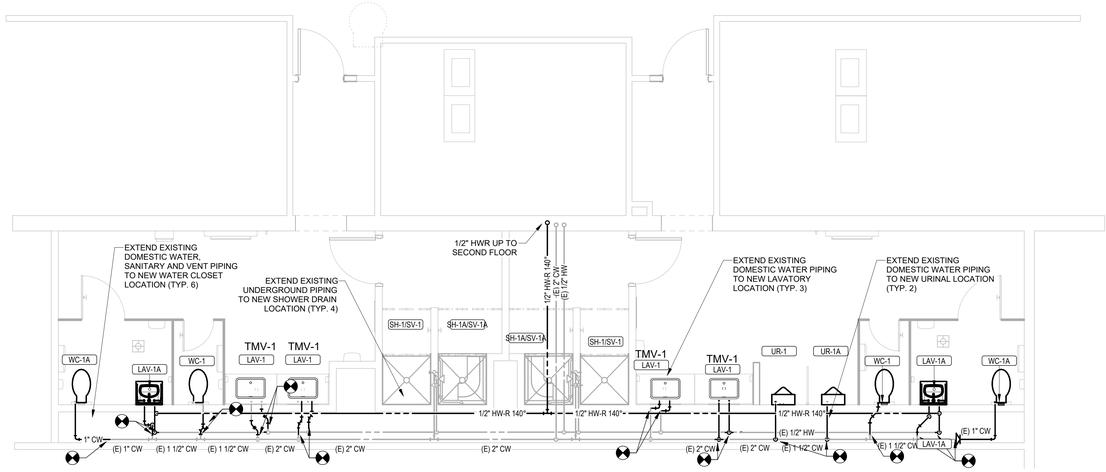
1 P102 FIRST FLOOR SANITARY DEMOLITION PLAN - AREA B
1/4" = 1'-0"



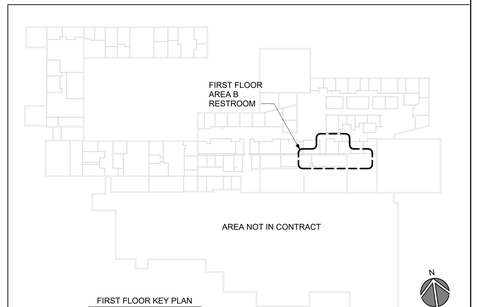
2 P102 FIRST FLOOR DOMESTIC WATER DEMOLITION PLAN - AREA B
1/4" = 1'-0"



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



4 P102 FIRST FLOOR DOMESTIC WATER PLAN - AREA B
1/4" = 1'-0"



KEY PLAN

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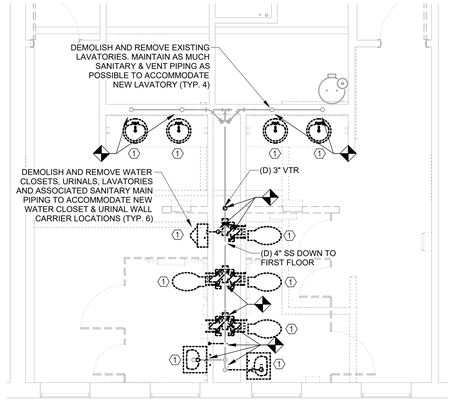
PROJECT NO:	24P290
DATE:	06.12.2026
SCALE:	As indicated
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P102

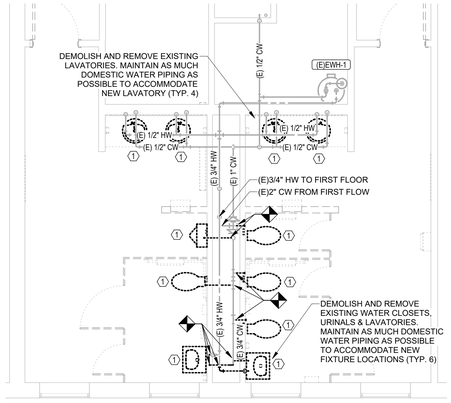
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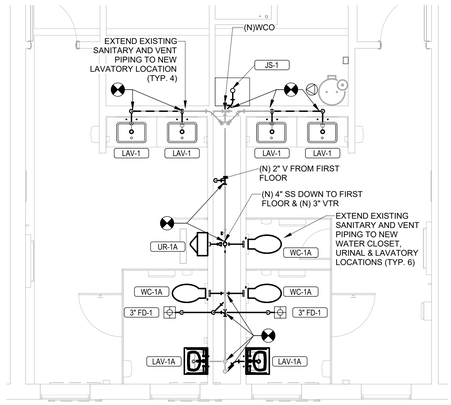
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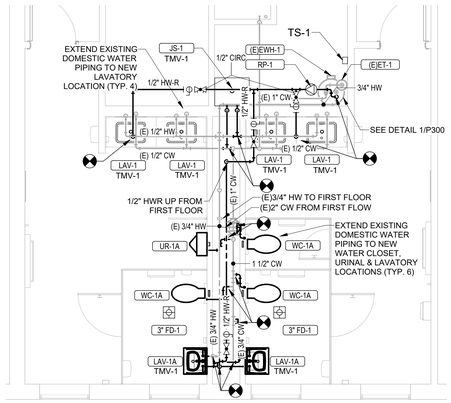
1 P103 SECOND FLOOR SANITARY DEMOLITION PLAN - AREA A
1/4" = 1'-0"



2 P103 SECOND FLOOR DOMESTIC WATER DEMOLITION PLAN - AREA A
1/4" = 1'-0"



3 P103 SECOND FLOOR SANITARY PLAN - AREA A
1/4" = 1'-0"



4 P103 SECOND FLOOR DOMESTIC WATER PLAN - AREA A
1/4" = 1'-0"



SECOND FLOOR KEY PLAN
SCALE: NTS

KEY PLAN

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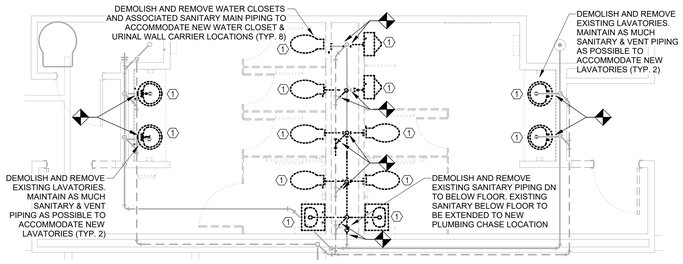
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P103

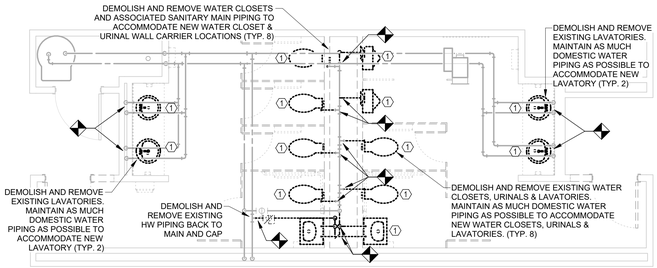
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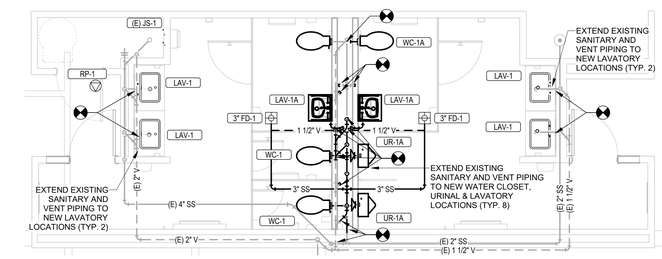
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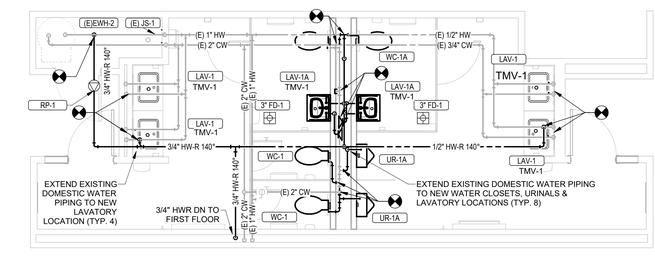
1 P104 SECOND FLOOR SANITARY DEMOLITION PLAN - AREA B
1/4" = 1'-0"



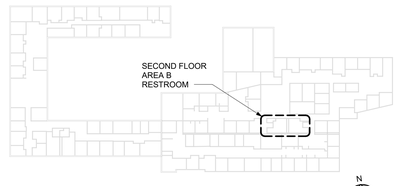
2 P104 SECOND FLOOR DOMESTIC WATER DEMOLITION PLAN - AREA B
1/4" = 1'-0"



3 P104 SECOND FLOOR SANITARY PLAN - AREA B
1/4" = 1'-0"



4 P104 SECOND FLOOR DOMESTIC WATER PLAN - AREA B
1/4" = 1'-0"



SECOND FLOOR KEY PLAN
SCALE: NTS

KEY PLAN

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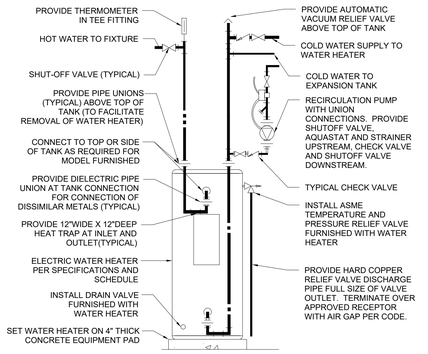
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REFER TO SPECIFICATIONS, SCHEDULES, AND NOTES FOR MORE INFORMATION. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. VERIFY CONNECTION SIZES AND CONTINUATIONS SIZES AND LOCATIONS WITH WATER HEATER FURNISHED. REFER TO FLOOR PLANS FOR PIPE SIZES AND CONNECTIONS. PROVIDE SEISMIC STRAP OR BRACING WHEN REQUIRED BY LOCAL AUTHORITIES. POWER WIRING AND DISCONNECT SWITCH ARE SPECIFIED BY ELECTRICAL. INTERLOCK OF AQUASTAT WITH RECIRULATION PUMP IS SPECIFIED BY ELECTRICAL.

1 / P300 WATER HEATER AND RECIRCULATING PUMP
NOT TO SCALE

GENERAL NOTES:
1. SEE DRAWING P000 FOR PLUMBING NOTES, LEGEND, & ABBREVIATIONS.

PLUMBING FIXTURE SCHEDULE

FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT ARE PROVIDED BY THE PLUMBING CONTRACTOR. SUBMIT SHOP DRAWINGS ON EACH OF THESE ITEMS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE PLUMBING FIXTURE MOUNTING HEIGHTS.

ID	DESCRIPTION	MANUFACTUER	MODEL	WASTE	VENT	COLD	HOT	SPECIFICATION
ET-1	EXPANSION TANK	AMTROL	"THERM-X-TROL" # ST-5	N/A	N/A	3/4"	N/A	WELDED STEEL PRESSURE TANK, POLYPROPYLENE LINING, FLEXIBLE BUTYL DIAPHRAGM, AIR CHARGING VALVE, 150 PSI MAXIMUM WORKING PRESSURE, 2.0 GALLON CAPACITY, 0.45 MAXIMUM ACCEPTANCE FACTOR, 3/4" PIPE CONNECTION. SET THE AIR CHARGE PRESSURE TO MATCH EXISTING WATER SYSTEM PRESSURE.
ET-2	EXPANSION TANK	AMTROL	"THERM-X-TROL" # ST-12	N/A	N/A	3/4"	N/A	WELDED STEEL PRESSURE TANK, POLYPROPYLENE LINING, FLEXIBLE BUTYL DIAPHRAGM, AIR CHARGING VALVE, 150 PSI MAXIMUM WORKING PRESSURE, 4.5 GALLON CAPACITY, 0.45 MAXIMUM ACCEPTANCE FACTOR, 3/4" PIPE CONNECTION. SET THE AIR CHARGE PRESSURE TO MATCH EXISTING WATER SYSTEM PRESSURE.
EWH-1	WATER HEATER	A.O SMITH	# DEN-52	N/A	N/A	3/4"	3/4"	52 GALLON GLASS LINED LOW BOY STORAGE TANK, TWO 6KW DIRECT-IMMERSION HEATING ELEMENTS FOR SIMULTANEOUS OPERATION, SURFACE-MOUNTED THERMOSTATS, ANODE ROD, T & P VALVE, AND 24 GALLONS PER HOUR RECOVERY AT A 100 DEGREE TEMPERATURE RISE. SET WATER HEATER OPERATING TEMPERATURE TO 140 DF. ELECTRICAL REQUIREMENTS: 480 VOLT THREE PHASE UNBALANCED CIRCUIT, L1 = 12.5 FULL LOAD AMPS, L2 & L3 = 6.25 FULL LOAD AMPS.
EWH-2	WATER HEATER	A.O SMITH	#DRE-120	N/A	N/A	1-1/4"	1-1/4"	120 GALLON GLASS LINED STORAGE TANK, SIX 5KW DIRECT-IMMERSION HEATING ELEMENTS, SURFACE-MOUNTED THERMOSTATS, ANODE ROD, T & P VALVE, AND 123 GALLONS PER HOUR RECOVERY AT A 100 DEGREE TEMPERATURE RISE. SET WATER HEATER OPERATING TEMPERATURE TO 140 DF. ELECTRICAL REQUIREMENTS: 480 VOLT THREE PHASE, 36.1 FULL LOAD AMPS.
FD-1	FLOOR DRAIN	JAY R .SMITH	# 2005L (-A)	3"	2"	N/A	N/A	CAST IRON BODY AND CLAMPING COLLAR, ADJUSTABLE 6" ROUND NICKEL BRONZE STRAINER. PROVIDE TRAP PRIMER PORT IF TRAP PRIMER IS PROVIDED ON THE DRAWINGS. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.
JS-1	FLOOR MOUNTED JANITOR SINK	ZURN	Z1996-24	4"	1-1/2"	3/4"	3/4"	24 X 24 INCH X 10 INCHES HIGH, MOLDED STONE RECEPTOR WITH TWO ALUMINUM BUMPER GUARDS. FAUCET: ZURN Z1996-SF WITH VACUUM BREAKER AND HOSE THREAD.
LAV-1	UNDERMOUNT LAVATORY	KOHLER TAHOE	K-2890-8U	2'	1-1/2"	3/4"	3/4"	"TAHOE" 20" X 18" RECTANGULAR WHITE ENAMELED CAST IRON FIXTURE , AND FRONT OVERFLOW. SET IN BED OF SILICONE SEALANT. FAUCET: KOHLER FAUCET # K-13466 TOUCHLESS SINGLE HOLE FAUCET WITH INSIGHT SENSOR TECHNOLOGY DC-POWERED, 0.5 GPM AERATOR. TRIM: McGUIRE # 155A GRID DRAIN WITH TAILPIECE, McGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, McGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON
LAV-1A	UNDERMOUNT LAVATORY (ADA ACCESSIBLE)	KOHLER TAHOE	K-2890-8U	2"	1-1/2"	3/4"	3/4"	"TAHOE" 20" X 18" RECTANGULAR WHITE ENAMELED CAST IRON FIXTURE , AND FRONT OVERFLOW. SET IN BED OF SILICONE SEALANT. FAUCET: KOHLER FAUCET # K-13466 TOUCHLESS SINGLE HOLE FAUCET WITH INSIGHT SENSOR TECHNOLOGY DC-POWERED, 0.5 GPM AERATOR. TRIM: McGUIRE # 155A GRID DRAIN WITH TAILPIECE, McGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, McGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON
RP-1	RECIRCULATION PUMP	BELL & GOSSETT	# NBF-9U	N/A	N/A	N/A	3/4"	WET ROTOR TYPE INLINE PUMP WITH 2800 RPM MOTOR, LEAD FREE CAST BRONZE BODY WITH UNION CONNECTIONS, CAPACITY OF 2 GPM AT 7 FEET OF HEAD. PROVIDE WITH HONEYWELL #L6006C SURFACE MOUNTED AQUASTAT WITH SINGLE POLE DOUBLE THROW SWITCH FOR CIRCULATOR CONTROL AND ADJUSTABLE DIFFERENTIAL SET TO 10F. SET AQUASTAT TO SHUT OFF RECIRCULATION PUMP AT WATER HEATER SET POINT AND ON AT 10F BELOW SET POINT. ELECTRICAL REQUIREMENTS: 120-VOLT, 0.4 FULL LOAD AMPS
SH-1	SHOWER STALL			2	2	1/2"	1/2"	FIBERGLASS REINFORCED POLYESTER, 1 PIECE, 38"W x 38 1/4"D x 77"H OUTSIDE DIMENSION, GEL COAT FINISH, AND SLIP-RESISTANT TEXTURED BOTTOM. PROVIDE WITH OPTIONAL HORIZONTAL L-SHAPED GRAB BAR, L-SHAPED FOLD UP CUSHIONED SEAT (OPPOSITE FIXTURE WALL), RH OR LH FIXTURE WALL, AND BRASS BODY DRAIN WITH STAINLESS STEEL STRAINER.
SH-1A	SHOWER STALL (ADA ACCESSIBLE)			2	2	1/2"	1/2"	FIBERGLASS REINFORCED POLYESTER, 1 PIECE, 38"W x 38 1/4"D x 77"H OUTSIDE DIMENSION, GEL COAT FINISH, AND SLIP-RESISTANT TEXTURED BOTTOM. PROVIDE WITH OPTIONAL HORIZONTAL L-SHAPED GRAB BAR, L-SHAPED FOLD UP CUSHIONED SEAT (OPPOSITE FIXTURE WALL), RH OR LH FIXTURE WALL, AND BRASS BODY DRAIN WITH STAINLESS STEEL STRAINER.
SV-1	SHOWER VALVE	SYMMONS	# BP-25-1-LR-X	N/A	N/A	1/2"	1/2"	PISTON TYPE PRESSURE BALANCING MIXING VALVE WITH BRASS STEM, MEETING ASSE 1016P, SINGLE BLADE LEVER HANDLE, SET ADJUSTABLE LIMIT STOP SCREW TO 110F, INTEGRAL SERVICE STOPS, "CLEAR-FLO" SHOWER HEAD WITH ARM AND FLANGE.
SV-1A	SHOWER VALVE (ADA ACCESSIBLE)	SYMMONS	# BP-25-500-B30-LR-V-X	N/A	N/A	1/2"	1/2"	PISTON TYPE PRESSURE BALANCING MIXING VALVE WITH BRASS STEM, MEETING ASSE 1016P, SINGLE BLADE LEVER HANDLE, SET ADJUSTABLE LIMIT STOP SCREW TO 110F, INTEGRAL SERVICE STOPS, "LEVERTROL" # 4-458 DIVERTER VALVE, "CLEAR-FLO" SHOWER HEAD WITH ARM AND FLANGE, WALL / HAND SHOWER WITH FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, WALL CONNECTION AND FLANGE, AND 30" SLIDE BAR.
TMV-1	THERMOSTATIC MIXING VALVE	POWERS	# LFe480	N/A	N/A	3/8"	3/8"	SOLID LEAD FREE BRASS BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 2.2 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.5 GPM. SET TEMPERATURE TO 110F FOR DUEL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLAN(S).
TRV-1	THERMOSTATIC RECIRUCLATION VALVE	THERMOMEGATECH	# CSU-1/2"-120-CV1	N/A	N/A	N/A	1/2"	CIRCUITSOLVER "CSU-1/2"-120-CV" THE CIRCUITSOLVER® BODY AND ALL INTERNAL COMPONENTS SHALL BE CONSTRUCTED OF STAINLESS STEEL WITH MAJOR COMPONENTS CONSTRUCTED OF TYPE 303 STAINLESS STEEL. CIRCUITSOLVER® SHALL BE RATED 200 PSIG MAXIMUM WORKING PRESSURE AND 250 F MAX WORKING TEMPERATURE. THE THERMAL ACTUATOR INSIDE THE VALVE SHALL BE SPRING LOADED AND SELF CLEANING, DELIVERING CLOSING THURST SUFFICIENT TO KEEP ORIFICE OPENING FREE OF SCALE DEPOSITS. ALL CIRCUITSOLVER® VALVES ARE NSF-61 CERTIFIED FOR USE IN ALL DOMESTIC WATER SYSTEMS.
TS	TRAP SEAL	PROSET SYSTEMS		SEE PLANS	N/A	N/A	N/A	"TRAP GUARD" INSERT FOR ACTUAL FLOOR DRAIN MODEL AND SIZE PROVIDED, FLEXIBLE ELASTOMERIC PVC MATERIAL MOLDED INTO SHAPE OF DUCK'S BILL, OPEN ON TOP WITH CURL CLOSURE AT BOTTOM. ALLOWS WASTEWATER TO OPEN AND ADEQUATELY DISCHARGE FLOOR DRAIN THROUGH ITS INTERIOR. CLOSES AND RETURNS TO ORIGINAL MOLDED SHAPE AFTER WASTEWATER DISCHARGE IS COMPLETE.
TS-1	TIME SWITCH	INTERMATIC	#ET1705CSPST	N/A	N/A	N/A	N/A	7 DAY, ONE CIRCUIT-SINGLE POLE SINGLE THROW, ELECTRONIC TIME SWITCH OR EQUAL BY TORK. TIME SWITCH SHALL BE MOTOR RATED (1 H.P. @ 120 VOLT, SINGLE PHASE), MINIMUM OF 20 SET POINTS (14 ON/OFF CYCLES) AND BATTERY BACK UP. COORDINATE WITH DIVISION 16 FOR INSTALLATION AND INTERLOCK OF TIME SWITCH IN SERIES WITH THE AQUASTAT AND RECIRCULATION PUMP.
UR-1	WALL MOUNTED URINAL	KOHLER	K-5452-ET	2"	1-1/2"	1"	N/A	KOHLER DEXTER WASHOUT URINAL WITH TOP SPUD 0.125 GPF FLUSH VALVE: TOTO STANDARD ECOPOWERE MODEL TEU1UA12#CP
UR-1A	WALL MOUNTED URINAL (ADA ACCESSIBLE)	KOHLER	K-5452-ET	2"	1-1/2"	1"	N/A	KOHLER DEXTER WASHOUT URINAL WITH TOP SPUD 0.125 GPF FLUSH VALVE: TOTO STANDARD ECOPOWERE MODEL TEU1UA12#CP
WC-1	WALL MOUNTED WATER CLOSET	TOTO	CT708U	4"	2"	1-1/4"	N/A	TOTO COMMERCIAL TOP SPUD WALL MOUNTED WATER CLOSET 1.0/1.28 GPF FLUSH VALVE: ECOPOWER ULTRA HIGH-EFFICIENCY TET6UA32#CP 1.0 GPF SEAT: TOTO SC534
WC-1A	WALL MOUNTED WATER CLOSET (ADA ACCESSIBLE)	TOTO	CT708U	4"	2"	1-1/4"	N/A	TOTO COMMERCIAL TOP SPUD WALL MOUNTED WATER CLOSET 1.0/1.28 GPF FLUSH VALVE: ECOPOWER ULTRA HIGH-EFFICIENCY TET6UA32#CP 1.0 GPF SEAT: TOTO SC534
WCO	WALL CLEANOUT	JAY R. SMITH	# 4530S	SEE PLANS	N/A	N/A	N/A	CAST IRON CLEANOUT TEE, COUNTER SUNK PLUG, STAINLESS STEEL ROUND COVER AND SCREW, AND IRON PLUG WITH GASKET SEAL. REFER TO SPECIFICATIONS FOR INSTALLATION.
WHA	WATER HAMMER ARRESTER	PRECISION PLUMBING PRODUCTS		N/A	N/A	N/A	N/A	HARD DRAWN COPPER BODY WITH WROUGHT COPPER FITTINGS, PISTON TYPE WITH LUBRICATED EPDM "O" RING SEALS, MEETING ASSE 1010 OR PDI WH-201. PROVIDE PDI SIZES "A" THROUGH "F" AS SHOWN ON PLANS. PROVIDE SIZE "A" UNLESS SHOWN OTHERWISE ON THE...

DOMESTIC HOT WATER RECIRCULATING PUMP SCHEDULE

				PUMP		MOTOR (1/8 HP)				
ID	MANUFACTURER	MODEL NO.	TYPE	DESIGN FLOW	HEAD	RPM	ECM	VOLT	PH	REMARKS
RP-1	TACO	MODEL 009	IN-LINE CIRCULATOR	2.0 GPM	12 FT	3250	NO	115 V	1	PROVIDE TACO AQUASTAT MODEL # 563-2 AND TIMER MODEL # 265-3 FOR HOT WATER RECIRCULATION LOOP.

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STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET / DIVISION OF FACILITIES MANAGEMENT

CONTRACT #MJ1002000085

DATE OF SIGNATURE: 06.12.2026
DATE OF REGISTRATION EXPIRATION: 01.31.2027

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1) Owner

NO CONTRACTURAL OBLIGATION IS ASSUMED BY THE ARCHITECT FOR THE BENEFIT OF ANY OTHER PERSON INVOLVED IN THE PROJECT.

PROJECT TITLE

R&R RESTROOM RENOVATIONS

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY, SW
DOVER , DE 19901

SHEET TITLE

PLUMBING SCHEDULES AND DETAILS

PRELIMINARY
NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
ISSUED: 10/27/2026

ISSUE BLOCK

Mark	Date	Description
6	10/27/2026	Issued For Bidding
5	09/22/2026	REVIEW SET
4	08/07/2026	FD SUBMISSION
3	06/12/2026	DD RESUBMISSION
2	03/20/2026	DD SUBMISSION
1	04/25/2026	PS/SD SUBMISSION

PROJECT NO: 24P290
DATE: 06.12.2026
SCALE: 12" = 1'-0"
DRAWN BY: EK | PROJ MGR: MJL

P300

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GENERAL NOTES:
1. SEE DRAWING P000 FOR PLUMBING NOTES, LEGEND, & ABBREVIATIONS.
2. SEE DRAWING E000 FOR ELECTRICAL NOTES, LEGEND, & ABBREVIATIONS.
3. SEE DRAWING G002 FOR GENERAL NOTES, LEGEND, & ABBREVIATIONS.

General Plan Symbols

- Plan Revision Number
- Detail Number on Sheet / Sheet Number Where Detail is Placed
- (1) Keynote Symbol
- Continuation Symbol
- Point Where New Connects To Existing
- Room / 1 — Room Name / Number
- Area Being Demolished
- Area Not In Contract

Abbreviations

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MU/A	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
EA	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FDC	FIRE DEPARTMENT CONNECTION	RH	RELATIVE HUMIDITY
FL	FLOOR	RL/A	RELIEF AIR
FO	FUEL OIL	RM	ROOM
FOV	FUEL OIL VENT	RPM	REVOLUTIONS PER MINUTE
FOR	FUEL OIL RETURN	RW	RAIN WATER
FOS	FUEL OIL SUPPLY	SF	SQUARE FOOT
FPM	FEET PER MINUTE	S/A	SUPPLY AIR
FS	FLOOR SINK	SAN	SANITARY
FT	FOOT/FEET	SF	SQUARE FOOT
FTR	FIN TUBE RADIATION	SD	SMOKE DAMPER
GAL	GALLON	SM	SURFACE MOUNT
GF	GAS-FIRED	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

Equipment Abbreviations

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	PRV	POWER ROOF VENTILATOR
DBP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN/EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER

* NOTE *
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

HVAC Symbols

- 24"x12" — Sq. Duct Size (Width x Height)
- 24"/12" — Oval Duct Size (Width / Height)
- 18"Ø — Round Duct Size (Diameter)
- (E) — Existing Duct To Remain
- Duct To Be Demolished
- S/A — Supply Air
- V/A — Ventilation Air
- O/A — Outdoor Air
- R/A — Return Air
- T/A — Transfer Air
- L/A — Building Relief Air
- E/A — General Exhaust Air
- KED — Kitchen Exhaust Duct
- LH — Laboratory Hood
- ETS — Env. Tobacco Smoke
- FLUE — Flue Gas Vent
- C/A — Combustion Air
- Rect. Supply Duct Rise / Drop
- Round Supply Duct Rise / Drop
- Rect. Return Duct Rise / Drop
- Round Return Duct Rise / Drop
- Rect. Exhaust Duct Rise / Drop
- Round Exhaust Duct Rise / Drop

Grille, Register, Diffusers

- Square Ceiling Diffuser: CD3 | 500 — Type (See Schedule); Airflow; 10"/0/24x24 — Neck Size / Module Size; 29 |HS-9/17 — Catalog Throw Performance; Throw Pattern; Max NC Rating
- Round Ceiling Diffuser: CD11 | 100 — Airflow; 6"/0 — Neck Size; TYP. X 4 — Type Count for Space
- Sidewall Supply Grille: SG1 | 500 — Airflow; 18"x10" — Nominal Duct Size; AFF:9'-0" — Mounting Elevation (Centerline)
- Linear Diffuser: LD8 | 200 — Airflow; 8'0/2s/4'-0"L — Neck Size/ Slot(s)/ Active Length
- Sidewall Return Grille: RG1 | 800 — Airflow; 16"x16" — Nominal Duct Size; AFF:9'-0" — Mounting Elevation (Centerline)
- Ceiling Return: RG2 | 600 — Airflow; 12"x12"/24x24 — Neck Size / Module Size; 25 — Max NC Rating

Mechanical Equipment

- RTU-1 — Unit Identity
- 10.0 ton — Nominal Cooling Capacity
- RTU-1 — Unit Identity
- 180000 Btu/h — Heating Capacity
- 180 CFH — Gas Supply Input Rate
- ET-1 — Unit Identity
- 379 lb — Operating Weight
- EF-XX — Unit Identity
- 500 CFM — Design Airflow Rate
- VAV 1-2 — Unit Identity
- 3.7 GPM — Design Water Flow
- AC-1 — Unit Identity
- AFF:7'-0" — Bottom of Equipment Height
- (E)AHU-2 — Existing to Remain Equipment
- (R)AHU-3 — Existing Relocated Equipment
- Equipment By Others (Refer To Other Disciplines)

Damper Types

- (B) Manual Damper
- (M) Motorized Damper
- Backdraft Damper
- (S) Smoke Damper
- Fire Damper
- (F) (S) Comb. Fire/ Smoke Damper

Mechanical Piping Symbols

- 2" — Nominal Pipe Size
- Above Ground Piping
- Below Ground Piping
- 1/8" / 12" SLOPE — Pipe Slope (When Applicable)
- (E) — Existing Pipe To Remain
- Pipe To Be Demolished
- CHWR — Chilled-Water Return
- CHWS — Chilled-Water Supply
- CD — Condensate Drain
- CWR — Condenser-Water Return
- CWS — Condenser-Water Supply
- GWR — Geothermal-Water Return
- GWS — Geothermal-Water Supply
- HWR — Hot-Water Return
- HWS — Hot-Water Supply
- G — Natural Gas
- LP — Liquid Propane
- RL — Refrigerant Liquid
- RS — Refrigerant Gas
- RD — Refrigerant Discharge
- STM — Steam Supply
- CDR — Steam Condensate Return
- Pipe Rise / Drop

Valve Types

- 2" SHUTOFF — Ball Valve
- 2" BAL — Balancing Valve
- 2" BFV — Butterfly Valve
- 2" CHECK — Check Valve
- 2" CHECK — Alternate Check Valve
- 3" CIRC — Circuit Setter
- 2" GATE — Gate Valve
- 2" GLOBE — Globe Valve
- 2" LOCK — Locked Shield Valve
- 2" PRV — Pressure Reducing Valve
- 2" QUICK — Quick Opening Valve
- 2" STRAIN — Fluid Strainer
- 2" M-CNTRL — Elec. Control Valve
- 4" 3-WAY CNTRL — 3-Way Elec. Valve
- 1" GAS-CNTRL — Emergency Gas Shutoff
- 1" PLUG — Plug Valve
- 1" GAS COCK — Gas Shutoff Cock
- 1" REG — Gas Regulator

Mechanical Devices

- AHU-1 — Unit Identity
- (TS) Temperature Sensor
- (TH) Temp/ Humidity Sensor
- (TC) Temp/ CO2 Sensor
- (T) Thermostat
- (H) Humidistat
- (HS) Humidity Sensor
- CO2 Carbon Dioxide Detector
- CO Carbon Monoxide Detector
- H2 Hydrogen Gas Detector
- HZG Hazardous Gas Detector
- NO2 Nitrogen Dioxide Detector
- O2 Oxygen Gas Detector

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CONTRACT #MJ1002000085

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R&R RESTROOM RENOVATIONS

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER , DE 19901

SHEET TITLE

MECHANICAL GENERAL NOTES, LEGENDS, & ABBREVIATIONS

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ISSUED: 10/27/2026

ISSUE BLOCK

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PROJECT NO: 24P290
DATE: 06.12.2026
SCALE: 1/8" = 1'-0"
DRAWN BY: AA | PROJ MGR: MJL

M000

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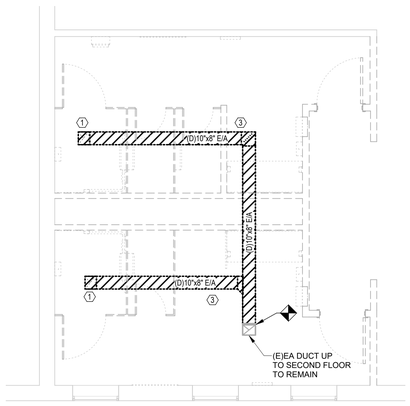
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GENERAL NOTES:

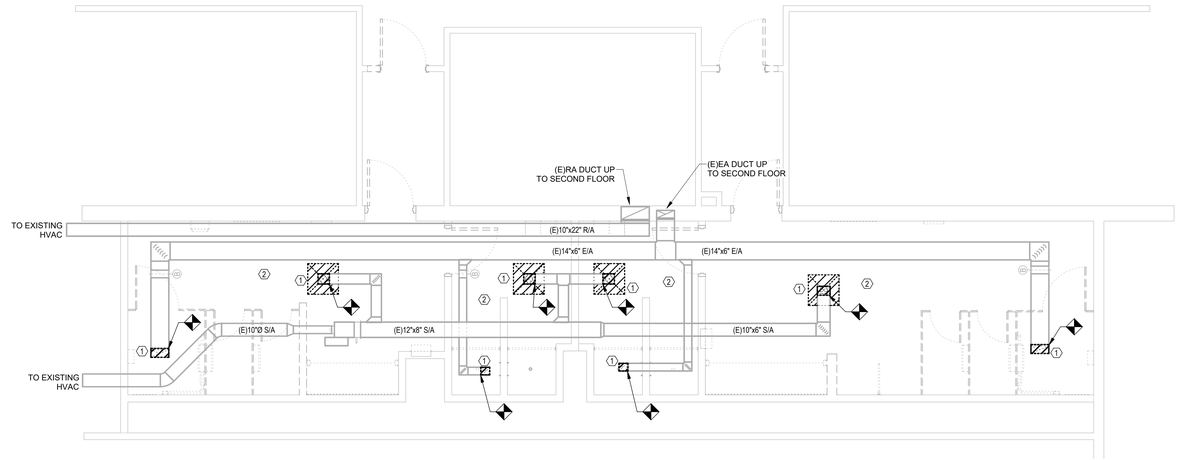
1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS REFER TO DRAWING M000.
2. CONTRACTOR SHALL PRE-READ AND RECORD AIRFLOW ON ALL GRD'S IN EACH BATHROOM PRIOR TO BEGINNING ANY DEMOLITION WORK.

DEMOLITION KEY NOTES:

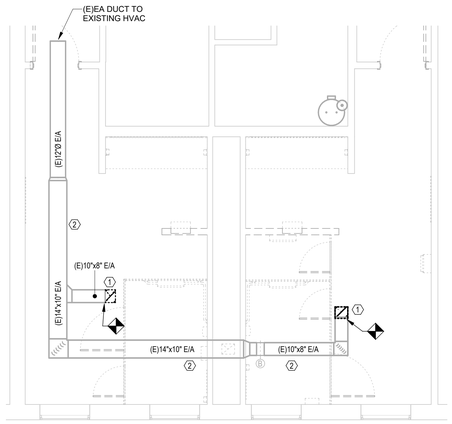
1. CONTRACTOR SHALL DEMOLISH ALL GRD'S IN THIS BATHROOM.
2. EXISTING DUCTWORK, INSULATION, SUPPORTS, DAMPERS, SENSORS, ETC. SHALL REMAIN FOR REUSE IN THIS BATHROOM.
3. DEMOLISH ALL DUCTWORK, INSULATION, SUPPORTS, DAMPERS, SENSORS, ETC. IN THIS BATHROOM.



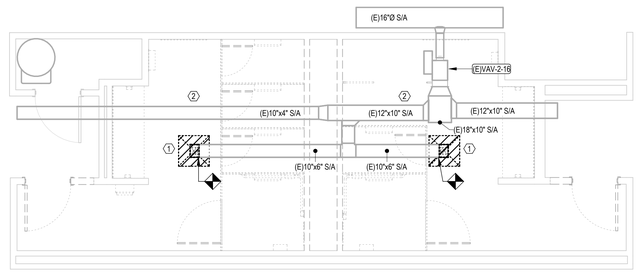
1 MD101 MECHANICAL - LEVEL 1 - AREA A - DEMOLITION PLAN
1/4" = 1'-0"



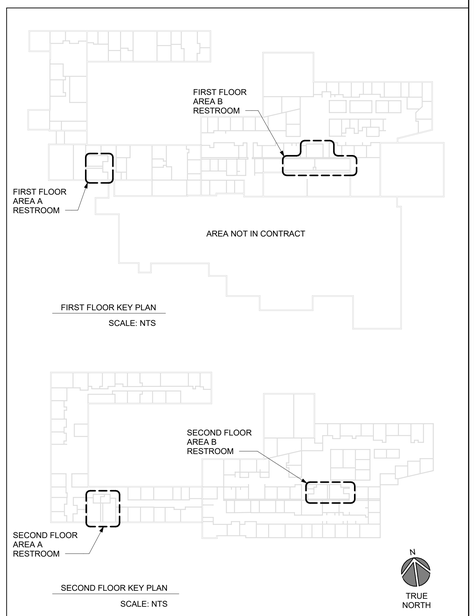
2 MD101 MECHANICAL - FIRST FLOOR - AREA B - DEMOLITON PLAN
1/4" = 1'-0"



3 MD101 MECHANICAL - LEVEL 2 - AREA A - DEMOLITION PLAN
1/4" = 1'-0"



4 MD101 MECHANICAL - LEVEL 2 - AREA B - DEMOLITION PLAN
1/4" = 1'-0"



KEY PLAN

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THE PROFESSIONAL SERVICES OF THE ARCHITECT ARE UNDERTAKEN FOR AND ARE PERFORMED IN THE INTEREST OF:
1) Owner

NO CONTRACTURAL OBLIGATION IS ASSUMED BY THE ARCHITECT FOR THE BENEFIT OF ANY OTHER PERSON INVOLVED IN THE PROJECT.

PROJECT TITLE

R&R RESTROOM RENOVATIONS

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER , DE 19901

SHEET TITLE

MECHANICAL DEMOLITION PLAN

PRELIMINARY
NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
ISSUED: 10/27/2026

ISSUE BLOCK

Mark	Date	Description
6	10/27/2026	Issued For Bidding
5	09/22/2026	REVIEW SET
4	08/07/2026	FD SUBMISSION
3	06/12/2026	DD RESUBMISSION
2	03/20/2026	DD SUBMISSION
1	04/25/2026	PS/SD SUBMISSION

PROJECT NO:	24P290
DATE:	06.12.2026
SCALE:	As indicated
DRAWN BY: AA	PROJ MGR: MJL

MD101

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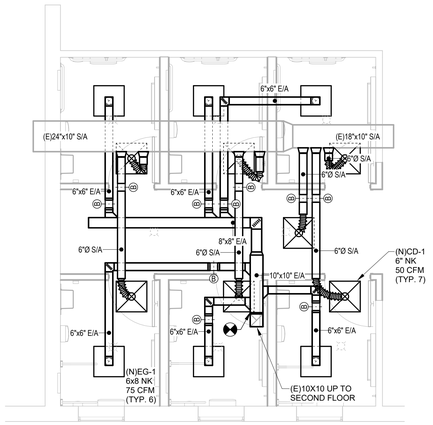
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GENERAL NOTES:

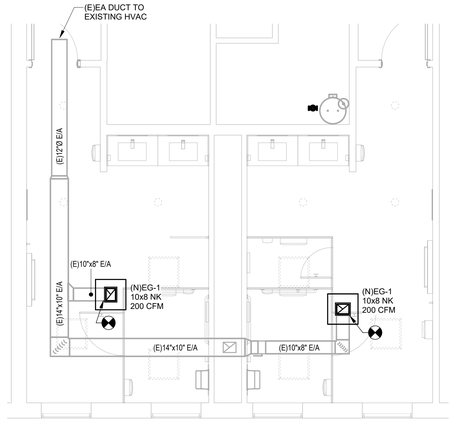
1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS REFER TO DRAWING M000.
2. CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL NEW GRD'S WITH NEW REFLECTED CEILING PLAN, LIGHTING, OCCUPANCY SENSORS, ETC.
3. CONTRACTOR TO COORDINATE ALL DUCTWORK WITH OTHER TRADES TO AVOID INTERFERENCES.
4. SEE DETAIL 1/M200 AND 2/M200 FOR MECHANICAL DETAILS.

KEY NOTES:

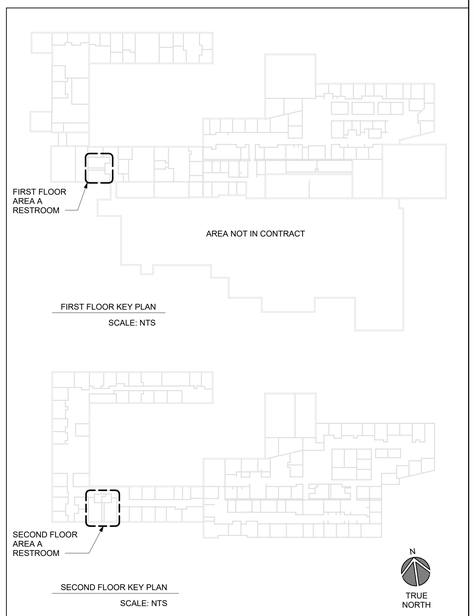
(1) RECONNECT NEW GRILLE TO EXISTING EXHAUST DUCTWORK.



1 / M101 MECHANICAL - FIRST FLOOR - AREA A - NEW WORK PLAN
1/4" = 1'-0"



3 / M101 MECHANICAL - SECOND FLOOR - AREA A - NEW WORK PLAN
1/4" = 1'-0"



FIRST FLOOR KEY PLAN
SCALE: NTS

SECOND FLOOR KEY PLAN
SCALE: NTS

KEY PLAN

BECKER MORGAN GROUP

ARCHITECTURE
ENGINEERING

Delaware
309 S Governors Ave
Dover, DE 19904
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100 Discovery Boulevard, Suite 102
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302-738-7172
www.dedc-eng.com

STATE OF DELAWARE
OFFICE OF MANAGEMENT AND
BUDGET / DIVISION OF FACILITIES
MANAGEMENT

CONTRACT #MJ1002000085

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RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER , DE 19901

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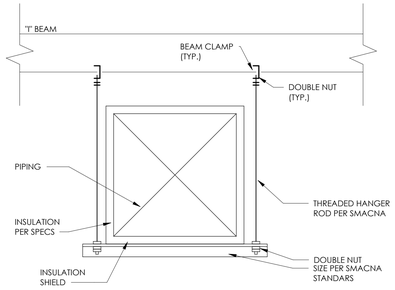
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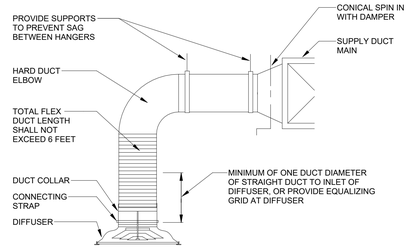
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GENERAL NOTES:

1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS REFER TO DRAWING M000.



1 / M200 DETAIL - TRAPEZE DUCT SUPPORT
NONE



2 / M200 DIFFUSER FLEXIBLE DUCT CONNECTION
NOT TO SCALE

DIFFUSER SCHEDULE

CD-1 CEILING DIFFUSER EQUAL TO KRUEGER MODEL 51400, ALUMINUM, SQUARE FACE, NECK PER DRAWINGS. 4-CONE DIFFUSER W/FIXED 4-WAY THROW. BORDER TYPE SHALL BE LAY-IN OR SURFACE MOUNT AS REQUIRED. FINISH SHALL BE BAKED ACRYLIC PAINT, COLOR AS SELECTED BY ARCH. FACE SIZE TO BE 24"x24" UNLESS OTHERWISE NOTED ON PLANS.

EG-1 EXHAUST GRILLE EQUAL TO KRUEGER MODEL S580, ALUMINIUM CONSTRUCTION, 35° DEFLECTION, AND 3/4" BLADE SPACING, NECK PER DRAWINGS. BORDER TYPE SHALL BE LAY-IN OR SURFACE MOUNTED AS REQUIRED. FINISH SHALL BE BAKED ACRYLIC PAINT, COLOR AS SELECTED BY ARCH. FACE SIZE TO BE 24"x24" UNLESS OTHERWISE NOTED ON PLANS.

BECKER MORGAN GROUP

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M200

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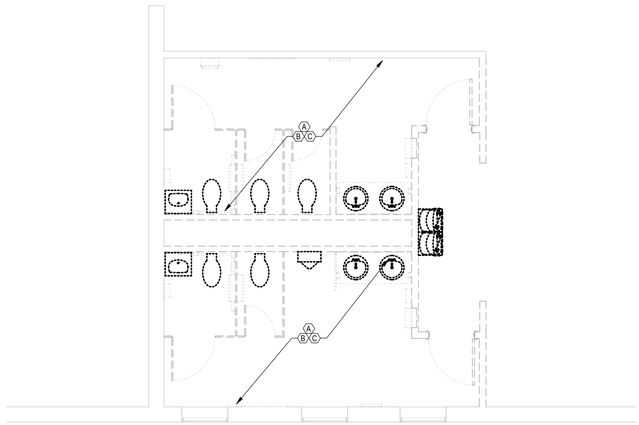
ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
$S	20A, 120/277V AC, SINGLE POLE TOGGLE SWITCH. MH = 48" A.F.F. AS MEASURED TO BOTTOM OF DEVICE BOX.
$_3	20A, 120-277V AC, THREE WAY TOGGLE SWITCH. MH = 48" A.F.F. AS MEASURED TO BOTTOM OF DEVICE BOX.
$_4	20A, 120-277V AC, FOUR WAY TOGGLE SWITCH. MH = 48" A.F.F. AS MEASURED TO BOTTOM OF DEVICE BOX.
$_D	24V DC, DIGITAL ON/OFF WALL SWITCH AS MANUFACTURED BY WATTSTOPPER MODEL#LMSW-101. E.C. TO INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS. COLOR AS SELECTED BY ARCHITECT.
$DD	24V DC, SINGLE BUTTON DIGITAL DIMMING WALL SWITCH, SWITCH MOUNTING HEIGHT = 48" A.F.F. TO THE TOP OF DEVICE BOX, U.O.N.. SWITCH SHALL BE MODEL NUMBER LMDM-101 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. DIGITAL WALL SWITCH SHALL BE FED BY DIGITAL ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND DIGITAL WALL SWITCH SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. COLOR AS SELECTED BY ARCHITECT.
$OC1	20A, 120-277V AC, SINGLE BUTTON WALL MOUNT, PASSIVE INFRARED SINGLE RELAY ON/OFF OCCUPANCY SENSOR. SWITCH MOUNTING HEIGHT = 48" A.F.F. TO CENTER OF DEVICE BOX, U.O.N.. OCCUPANCY SWITCH SHALL BE #PW-101 AS MANUFACTURED BY WATTSTOPPER.
$OC2	20A, 120-277V AC, TWO BUTTON WALL MOUNT, DUAL TECHNOLOGY (PASSIVE INFRARED AND ULTRASONIC), DUAL RELAY OCCUPANCY SENSOR. SWITCH MOUNTING HEIGHT = 48" A.F.F. TO CENTER OF DEVICE BOX, U.O.N.. OCCUPANCY SWITCH SHALL BE #DW-200 AS MANUFACTURED BY WATTSTOPPER.
$OC3	20A, 120-277V AC, SINGLE BUTTON 0-10V DIMMING WALL MOUNT, PASSIVE INFRARED, SINGLE RELAY OCCUPANCY SENSOR. SWITCH MOUNTING HEIGHT = 48" A.F.F. TO CENTER OF DEVICE BOX, U.O.N.. OCCUPANCY SWITCH SHALL BE #PW-311 AS MANUFACTURED BY WATTSTOPPER.
$PD10	20A, 120-277VAC, 0-10V DIMMING SWITCH AS MANUFACTURED BY WATTSTOPPER MODEL# RHRLB1PTC. E.C. TO INSTALL PER MANUFACTURERS INSTRUCTIONS. COLOR TO BE SELECTED BY ARCHITECT.
$FC	20A, 120-277VAC, FAN CONTROLLER WALL BOX AS MANUFACTURED BY WATTSTOPPER MODEL# CSDC5-X. E.C. TO INSTALL PER MANUFACTURERS INSTRUCTIONS. COLOR TO BE SELECTED BY ARCHITECT.
$CC	20A, 120-277VAC, RGBW LED LIGHTING CONTROLLER, COLORDIAL PRO AS MANUFACTURED BY COLOR KINETICS OR EQUAL. E.C. SHALL FURNISH AND INSTALL CONTROLLER AND WIRING TO ALL DEVICES.
$OC	1000 SQ. FT. COVERAGE CEILING MOUNTED OCCUPANCY SENSOR, 24V DC, DUAL TECHNOLOGY (ULTRASONIC AND PASSIVE INFRARED). SENSOR SHALL BE MODEL NUMBER LMDC-100 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. FINISH SHALL BE SELECTED BY OWNER/ARCHITECT. OCCUPANCY SENSOR SHALL BE FED FROM DIGITAL ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND OCCUPANCY SENSOR SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.
$OC2	1000 SQ. FT. COVERAGE CEILING MOUNTED EXTENDED RANGE OCCUPANCY SENSOR, 24V DC, PASSIVE INFRARED. SENSOR SHALL BE MODEL NUMBER LMPC-100 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. FINISH SHALL BE SELECTED BY OWNER/ARCHITECT. OCCUPANCY SENSOR SHALL BE FED FROM DIGITAL ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND OCCUPANCY SENSOR SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.
$DH	DAYLIGHT HARVESTING PHOTOSENSOR, CLOSED LOOP, 24V DC. SENSOR SHALL BE MODEL NUMBER LMLS-400 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. FINISH SHALL BE SELECTED BY OWNER/ARCHITECT. PHOTOSENSOR SHALL BE FED FROM DIGITAL ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND OCCUPANCY SENSOR SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.
$OS	1000 SQ. FT. COVERAGE WALL MOUNTED OCCUPANCY SENSOR, 24V DC, PIR TECHNOLOGY (PASSIVE INFRARED). SENSOR SHALL BE MODEL NUMBER LMPA-100 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. OCCUPANCY SENSOR SHALL BE FED FROM DIGITAL ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND OCCUPANCY SENSOR SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.
$DS	WALL MOUNTED DAYLIGHT HARVESTING DIGITAL CLOSED LOOP SINGLE ZONE PHOTOCELL, 24V DC. SENSOR SHALL BE MODEL NUMBER LMLS-400 WITH WALL MOUNT BRACKET #LMLS-MBD AS MANUFACTURED BY WATTSTOPPER OR EQUAL. PHOTOCELL SHALL BE FED FROM DIGITAL ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND PHOTOCELL SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.
RC1	20A, 120V AC, 60HZ, ON/OFF DIGITAL ROOM CONTROLLER, SINGLE RELAY, UL LISTED. U.O.N. SWITCH SHALL BE MODEL NUMBER LMRC-101 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLERS CONTROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE MANUFACTURED BY WATTSTOPPER, MODEL ELCU-200. E.C. SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION TOOL AS MANUFACTURED BY WATTSTOPPER, MODEL LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE USED TO PROGRAM THE DIGITAL ROOM CONTROLLERS.
RC01	20A, 120V AC, 60HZ, ON/OFF/0-10V DIMMING DIGITAL ROOM CONTROLLER, SINGLE RELAY, UL LISTED. U.O.N. SWITCH SHALL BE MODEL NUMBER LMRC-211-AS MANUFACTURED BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLERS CONTROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE MANUFACTURED BY WATTSTOPPER, MODEL ELCU-200. E.C. SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION TOOL AS MANUFACTURED BY WATTSTOPPER, MODEL LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE USED TO PROGRAM THE DIGITAL ROOM CONTROLLERS.
RC02	20A, 120V AC, 60HZ, ON/OFF/0-10V DIMMING DIGITAL ROOM CONTROLLER, DUAL RELAY, UL LISTED. U.O.N. SWITCH SHALL BE MODEL NUMBER LMRC-212 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLERS CONTROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE MANUFACTURED BY WATTSTOPPER, MODEL ELCU-200. E.C. SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION TOOL AS MANUFACTURED BY WATTSTOPPER, MODEL LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE USED TO PROGRAM THE DIGITAL ROOM CONTROLLERS.
RC03	20A, 120V AC, 60HZ, ON/OFF/0-10V DIMMING DIGITAL ROOM CONTROLLER, TRIPLE RELAY, UL LISTED. U.O.N. SWITCH SHALL BE MODEL NUMBER LMRC-213 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLERS CONTROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE MANUFACTURED BY WATTSTOPPER, MODEL ELCU-200. E.C. SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION TOOL AS MANUFACTURED BY WATTSTOPPER, MODEL LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE USED TO PROGRAM THE DIGITAL ROOM CONTROLLERS. WP = WATERPROOF PROTECTIVE COVER.

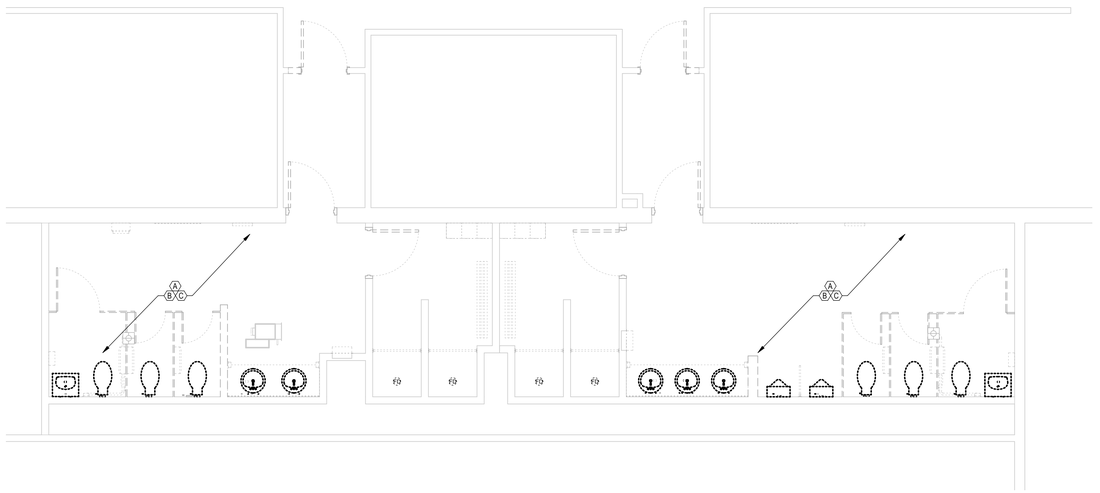
SYMBOL	DESCRIPTION
H	3 BUTTON OVERHEAD DOOR CONTROLLER
	20A, 120V AC, NEMA 5-20R, DUPLEX RECEPTACLE, SINGLE GANG BOX, TILE RING (DEPTH AS REQUIRED), COVERPLATE. MOUNTING HEIGHT TO CENTER OF DEVICE = 18" AFF TO CENTER OF DEVICE BOX, U.O.N.. 'P' = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK). T = TAMPER PROOF
GFI	20A, 120V AC, NEMA 5-20R, DUPLEX GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLE (GFI). SINGLE GANG BOX. TILE RING (DEPTH AS REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 18" A.F.F. , 'X' = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK). WP = IN USE WEATHERPROOF COVER.
ISO	20A, 120V AC, NEMA 5-20R, DUPLEX RECEPTACLE, SINGLE GANG BOX, TILE RING (DEPTH AS REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 18" A.F.F. , 'X' = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK). ISO = GASKETED STAINLESS STEEL COVERPLATE.
GFI ISO	20A, 120V AC, NEMA 5-20R, DUPLEX GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLE (GFI). SINGLE GANG BOX. TILE RING (DEPTH AS REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 48" A.F.F. ISO = GASKETED STAINLESS STEEL COVERPLATE
S	20A, 120V AC, NEMA 5-20R, SURFACE MOUNTED DUPLEX RECEPTACLE, 4" SQUARE BOX, CONDUIT STUBBED UP TO EASILY ACCESSIBLE SPACE ABOVE CEILING. MOUNTING HEIGHT TO CENTER OF DEVICE = 18" AFF TO CENTER OF DEVICE BOX, U.O.N., 'X' = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK).
U	20A, 120V AC, NEMA 5-20R, DUPLEX RECEPTACLE WITH 3.1 AMP USB CHARGING PORT. MOUNTING HEIGHT TO CENTER OF DEVICE = 18" AFF TO CENTER OF DEVICE BOX, U.O.N., 'X'= INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK).
	20A, 120V AC, NEMA 5-20R, DOUBLE DUPLEX RECEPTACLE, DOUBLE GANG BOX, TILE RING (DEPTH AS REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 18" A.F.F. , 'X' = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK). T = TAMPER PROOF. ISO = GASKETED STAINLESS STEEL COVERPLATE
GFI WP	20A, 120V AC, NEMA 5-20R, GROUND FAULT CIRCUIT INTERRUPTER (GFI) TYPE DOUBLE DUPLEX RECEPTACLE. DOUBLE GANG BOX. TILE RING (DEPTH AS REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 18" A.F.F. , 'X' = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK). T = TAMPER PROOF WP = IDENTIFIES "IN USE" WEATHERPROOF COVER.
48" ISO	20A, 120V AC, NEMA 5-20R, SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE, CONDUIT STUBBED UP TO EASILY ACCESSIBLE SPACE ABOVE CEILING. GASKETED. 'X' = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK). PROOF WP = IDENTIFIES "IN USE" WEATHERPROOF COVER. ISO = GASKETED STAINLESS STEEL COVERPLATE
XX-XXR	SPECIAL PURPOSE ELECTRICAL RECEPTACLE. XX-XXR = NEMA CONFIGURATION, X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK).
S XX-XXR	ELECTRIC CORD REEL. FED FROM GFCI BRANCH CIRCUIT BREAKER. 20A, 250VAC RATED. YELLOW INDUSTRIAL REEL. UL TYPE 1, SPT #12/3 SJO CORD. W/ YELLOW FEMALE WATERPROOF SINGLE RECEPTACLE. CORD REEL SHALL BE MODEL #HBL5512SP WITH RECEPTACLE END #HBL1633 AS MANUFACTURED BY HUBBELL. PROVIDE BALL STOP #HBL1735 AND PIVOT BASE #HVL5435PA AS MANUFACTURED BY HUBBELL. XX-XXR = NEMA CONFIGURATION.
XX-XXR	ELECTRIC CORD REEL. FED FROM GFCI BRANCH CIRCUIT BREAKER. 30A, 250VAC RATED. YELLOW INDUSTRIAL REEL. UL TYPE 1, #10/3 SJO CORD. W/ YELLOW LOCKING FEMALE WATERPROOF RECEPTACLE. CORD REEL SHALL BE MODEL #HBL5510SP WITH RECEPTACLE END #HBL2613Y AS MANUFACTURED BY HUBBELL. PROVIDE BALL STOP #HBL1745 AND PIVOT BASE #HVL5435PA AS MANUFACTURED BY HUBBELL. XX-XXR = NEMA CONFIGURATION.
H	CLOCK (TYPE DENOTED)
H	RECESSED JUNCTION BOX. CONDUIT STUBBED UP TO EASILY ACCESSIBLE SPACE ABOVE CEILING. X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK).
S	SURFACE MOUNTED JUNCTION BOX. RACEWAY STUBBED UP TO EASILY ACCESSIBLE SPACE ABOVE CEILING. X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK)
	FLOOR/CEILING RECESSED JUNCTION BOX
	PULL BOX
	POWER OR DISTRIBUTION PANEL. HIDDEN LINE REPRESENTS ELECTRICAL CLEARANCE SPACE.
	TRANSFORMER (SIZE AS DENOTED). HIDDEN LINE REPRESENTS ELECTRICAL CLEARANCE SPACE.
XX-1 M	MOTOR
M	LOW VOLTAGE MOTORIZED BLIND CONTROLLER. DECOFLEX DRY CONTACT KEYPAD SHALL BE ITEM #181402 AS MANUFACTURED BY HUNTER DOUGLAS.
M	SINGLE-POLE OR TWO-POLE (AS REQUIRED), 250V AC, 1 HP RATED, TOGGLE TYPE MANUAL MOTOR STARTED UNIT WITH MELTING ALLOY TYPE THERMAL OVERLOAD RELAY, APPROPRIATELY SIZED THERMAL UNITS. NEMA TYPE 1 OR 4 (AS REQUIRED) ENCLOSURE, AND HANDLE GUARD LOCK-OFF. SQUARE D CLASS 2510 FG OR FW TYPES (AS REQUIRED) OR APPROVED EQUAL. THREE-POLE, 250V AC, 1 OR 2 HP RATED (AS REQUIRED), TOGGLE TYPE MANUAL MOTOR STARTER UNIT WITH MELTING ALLOY TYPE THERMAL OVERLOAD RELAY, APPROPRIATELY SIZED THERMAL UNITS. NEMA TYPE 1 ENCLOSURE AND HANDLE GUARD LOCK-OFF. SQUARE D CLASS 2510 K TYPE OR APPROVED EQUAL.
8A 8AF NEMA9	FUSIBLE SWITCH TYPE COMBINATION STARTER UNIT WITH DOOR MOUNTED H-O-A SWITCH AND RED "MOTOR RUNNING" LED TYPE PILOT LIGHT. PROVIDE AUXILIARY CONTACT. "NEMA #" IDENTIFIES NEMA ENCLOSURE TYPE. "8A" IDENTIFIES DISCONNECT SWITCH AMPACITY RATING. "8AF". IF PRESENT, IDENTIFIES APPROXIMATE FUSE RATING. UNLESS OTHERWISE NOTED, ALL FUSIBLE DISCONNECT SWITCHES SHALL BE COMPLETE WITH APPROPRIATELY SIZED DE. TD, CL, CLASS RK5 FUSES.
8A NEMA9	NON-FUSIBLE DISCONNECT SWITCH. "8A" IDENTIFIES DISCONNECT SWITCH AMPACITY RATING. "NEMA #" IDENTIFIES NEMA ENCLOSURE TYPE.
8A 8AF NEMA9	FUSIBLE DISCONNECT SWITCH. "8A" IDENTIFIES DISCONNECT SWITCH AMPACITY RATING. 8AF IDENTIFIES DISCONNECT FUSE SIZE. "NEMA #" IDENTIFIES NEMA ENCLOSURE TYPE.
FB1	FLOOR BOX, ON GRADE CONCRETE. MODEL #RFBE
FRPT1	FIRE-RATED POKE-THRU W/ (2) 20A, 120V AC DUPLEX RECEPTACLES, MULTIMEDIA CONNECTIONS & SURFACE COVER. FIRE RATED POKE-THRU SHALL BE MODEL # BATC20K AS MANUFACTURED BY WIREMOLD LEGRAND.
MM	4 GANG WALLBOX. PROVIDE 11"x13"x3.78" DEEP WALL BOX, TILE RING (DEPTH AS REQUIRED). STUB-UP (1) 1-1/4" CONDUIT FROM WALL BOX UP TO DATA OUTLET MOUNTED ABOVE BOX AT 72" A.F.F.. FURNISH BOX WITH TWO GANGS FOR 5-20R DUPLEX RECEPTACLES, ONE GANG FOR (1) CDA X "P" , (1) HDMI AND (2) RJ-45 ETHERNET CONNECTIONS, AND ONE GANG SPARE. MOUNTING HEIGHT TO BOTTOM OF BOX SHALL BE AS COORDINATED WITH ARCHITECTURAL DRAWINGS. WALLBOX MODEL SHALL BE #RFSB4 AS MANUFACTURED BY WIREMOLD LEGRANDE.
WM	4" WIDE STAINLESS STEEL RACEWAY. 20A-120V DUPLEX RECEPTACLE @ EVERY 6' O.C. RACEWAY SHALL BE #DS400 AS MANUFACTURED BY WIREMOLD LEGRANDE. PROVIDE RACEWAY WIRE DIVIDER FOR COMMUNICATIONS INSTALLATIONS WHERE SHOWN ON DRAWINGS.

SYMBOL	DESCRIPTION
	BUS DUCT WITH PLUG IN DISCONNECT (FUSED)
R	RELAY
CI	ENCLOSED CIRCUIT BREAKER
	PRESSURE SWITCH
	FLOAT SWITCH
PC	PHOTOCELL
TC	TIME CLOCK. AS SHOWN ON WIRING DIAGRAMS
	TELEPHONE OUTLET CONSISTING OF ONE 4 PORT COVERPLATE, 4" SQUARE BOX, DEVICE PLATE, TILE RING (DEPTH AS REQUIRED), (1) 1-1/4" CONDUIT STUBBED UP INTO THE NEAREST ACCESSIBLE CEILING. POTS LINE TERMINATED AT DEVICE OUTLET AND RAN BACK TO DEMARC BACKBOARD. MOUNTING HEIGHT=18" AFF TO THE CENTER OF DEVICE BOX UNLESS OTHERWISE NOTED. E.C. SHALL FURNISH AND INSTALL ALL WIRING DEVICES, DEVICE PLATES, WIRE TERMINATIONS ON BOTH ENDS, HEAD-END EQUIPMENT, AND PERFORM ALL PROGRAMMING.
	COMBINATION VOICE/DATA OUTLET CONSISTING OF ONE 4 PORT COVERPLATE, 4" SQUARE BOX, TILE RING (DEPTH AS REQUIRED), 1-1/4" CONDUIT STUBBED UP INTO THE NEAREST EASILY ACCESSIBLE CEILING SPACE AND CAT-6 CABLE TERMINATED ON WIRING DEVICE AND INSTALLED BACK TO I.T. ROOM WITH 10' SLACK COILED UP IN ROOM. MOUNTING HEIGHT=18" AFF TO THE CENTER OF DEVICE BOX UNLESS OTHERWISE NOTED. E.C. SHALL FURNISH AND INSTALL ALL WIRING DEVICES, DEVICE PLATES, WIRE TERMINATIONS ON BOTH ENDS, HEAD-END EQUIPMENT, AND PERFORM ALL PROGRAMMING.
	COMBINATION VOICE/DATA OUTLET CONSISTING OF ONE 4 PORT COVERPLATE, SURFACE MOUNTED 4" SQUARE BOX, TILE RING (DEPTH AS REQUIRED), 1-1/4" CONDUIT STUBBED UP INTO THE NEAREST EASILY ACCESSIBLE CEILING SPACE AND CAT-6 CABLE TERMINATED ON WIRING DEVICE AND INSTALLED BACK TO I.T. ROOM. MOUNTING HEIGHT=18" AFF TO THE CENTER OF DEVICE BOX UNLESS OTHERWISE NOTED. E.C. SHALL FURNISH AND INSTALL ALL WIRING DEVICES, DEVICE PLATES, WIRE TERMINATIONS ON BOTH ENDS, HEAD-END EQUIPMENT, AND PERFORM ALL PROGRAMMING.
	WIRELESS ACCESS POINT CONSISTING OF JUNCTION BOX, TILE RING, DEVICES, DEVICE PLATES AND CAT-6 WIRE INSTALLED BACK TO I.T. ROOM AND TERMINATIONS ON BOTH ENDS. ALL FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
TV	TELEVISION OUTLET. PROVIDE 4" SQUARE DEVICE BOX, TILE RING (DEPTH AS REQUIRED), STUB-UP 1 1/4" CONDUIT TO NEAREST ACCESSIBLE SPACE, AND RG-6 CABLE INSTALLED FROM DEMARC TO OUTLET. MOUNTING HEIGHT = 18" A.F.F. TO CENTER OF DEVICE. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL DEVICES, DEVICE PLATES, AND COAX CABLE.
	HORN TYPE SPEAKER
	ALERTING SYSTEM VISUAL FHA TROUBLE STROBE LIGHT. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING. REFER TO "AL" ARCHITECTURAL DRAWING SET FOR SYSTEM SPECIFICATIONS.
R	ALERTING SYSTEM VISUAL FHA RED STROBE LIGHT. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING. REFER TO "AL" ARCHITECTURAL DRAWING SET FOR SYSTEM SPECIFICATIONS.
AS	ALERTING SYSTEM CEILING MOUNTED 8" SPEAKER. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING. REFER TO "AL" ARCHITECTURAL DRAWING SET FOR SYSTEM SPECIFICATIONS.
AS OD	ALERTING SYSTEM CEILING MOUNTED OMNI-DIRECTIONAL SPEAKER. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING. REFER TO "AL" ARCHITECTURAL DRAWING SET FOR SYSTEM SPECIFICATIONS.
BS	ALERTING SYSTEM CEILING MOUNTED BATHROOM SPEAKER. ALERTING SYSTEM RED VISUAL STROBE LIGHT. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING. REFER TO "AL" ARCHITECTURAL DRAWING SET FOR SYSTEM SPECIFICATIONS.
EB	ALERTING SYSTEM CEILING MOUNTED 8" LED LIGHT-SPEAKER. ALERTING SYSTEM RED VISUAL STROBE LIGHT. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING. REFER TO "AL" ARCHITECTURAL DRAWING SET FOR SYSTEM SPECIFICATIONS.
AS	ALERTING SYSTEM WALL MOUNTED SPEAKER. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING. REFER TO "AL" ARCHITECTURAL DRAWING SET FOR SYSTEM SPECIFICATIONS.
	ALERTING SYSTEM WALL MOUNTED MEDICAL EMERGENCY BUTTON. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING. REFER TO "AL" ARCHITECTURAL DRAWING SET FOR SYSTEM SPECIFICATIONS.
3B	ALERTING SYSTEM 3 BUTTON ALERT SELECTOR. ALERTING SYSTEM RED VISUAL STROBE LIGHT. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING. REFER TO "AL" ARCHITECTURAL DRAWING SET FOR SYSTEM SPECIFICATIONS.
	SPEAKER VOLUME CONTROLLER. E.C. SHALL FURNISH AND INSTALL J-BOXES, 3/4" CONDUIT, WIRING DEVICES, DEVICE PLATES, ALL WIRE, TERMINATIONS AND PROGRAMMING.
	MICROPHONE OUTLET
	ANTENNA
?	ADA DOOR BUTTON. E.C. SHALL FURNISH AND INSTALL J-BOX AND 3/4" CONDUIT STUBBED UP INTO MOTORIZED DOOR MOTOR RELAY COIL AND WIRE. E.C. SHALL FURNISH AND INSTALL DEVICES, DEVICE PLATES, TERMINATIONS AND PROGRAMMING.

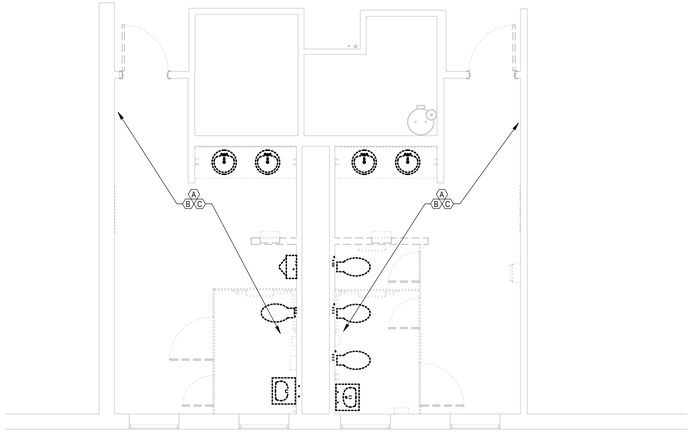
SYMBOL	DESCRIPTION
ES	ELECTRIC STRIKE, (AS PROVIDED BY ELECTRICAL CONTRACTOR) JUNCTION BOX AT DOOR STRIKE LOCATION.
M	MAGNETIC LOCK
CR	COMBINATION LOCK
DC	DOOR CONTACTS
HID	CARD ACCESS READER, CONSISTING OF 4" SQUARE JUNCTION BOX AT 48" A.F.F., 120/24V LOW VOLTAGE TRANSFORMER, TILE RING (DEPTH AS REQUIRED), CARD ACCESS READER (AS PROVIDED BY ELECTRICAL CONTRACTOR), JUNCTION BOX OVERTOP OF DOOR JAM, 3/4" CONDUIT CONNECTING JUNCTION BOXES, AND CONDUIT STUBBED UP INTO EASILY ACCESSIBLE CEILING SPACE FROM TOP JUNCTION BOX. TRANSFORMERS, TILE RINGS, JUNCTION BOXES, CONDUIT, LINE VOLTAGE WIRE, AND LOW-VOLTAGE WIRE INSTALLED FROM WIRING DEVICE BOX TO I.T. ROOM AND TERMINATED ON BOTH ENDS. REFER TO DRAWING E602 FOR DETAILS.
HID	HAND SWIPE PROXIMITY READER, CONSISTING OF 4" SQUARE JUNCTION BOX AT 48" A.F.F., TILE RING (DEPTH AS REQUIRED), PROXIMITY READER (AS PROVIDED BY OWNERS SECURITY CONTRACTOR), JUNCTION BOX OVERTOP OF DOOR JAM, 3/4" CONDUIT CONNECTING JUNCTION BOXES, AND CONDUIT STUBBED UP INTO EASILY ACCESSIBLE CEILING SPACE FROM TOP JUNCTION BOX. REFER TO DRAWING E602 FOR DETAILS. OWNERS SECURITY VENDOR TO PROVIDE ALL HEAD-END EQUIPMENT, DEVICES, TERMINATIONS AND PROGRAMMING. E.C. SHALL PROVIDE ALL TRANSFORMERS, TILE RINGS, JUNCTION BOXES, CONDUIT, LINE VOLTAGE WIRE, AND LOW-VOLTAGE WIRE INSTALLED FROM WIRING DEVICE BOX TO I.T. ROOM WITH 10' SLACK COILED UP IN ROOM.
	SINGLE BUTTON "DOOR RELEASE" DEVICE. E.C. SHALL FURNISH AND INSTALL J-BOX AND 3/4" CONDUIT STUBBED UP ABOVE CEILING AND WIRE INSTALLED FROM DEVICE BOX TO DOOR RELEASE CONTACT. E.C. TO FURNISH AND INSTALL DEVICES, DEVICE PLATES, TERMINATIONS, WIRING AND PROGRAMMING.
	SINGLE BUTTON "PANIC" DEVICE. E.C. SHALL FURNISH AND INSTALL J-BOX AND 3/4" CONDUIT STUBBED UP ABOVE CEILING AND WIRE INSTALLED FROM DEVICE BOX TO SECURITY SYSTEM HEAD-END EQUIPMENT LOCATION. SECURITY VENDOR TO FURNISH AND INSTALL DEVICES, DEVICE PLATES, TERMINATIONS AND PROGRAMMING.
KP	SECURITY KEYPAD. E.C. SHALL FURNISH AND INSTALL J-BOX AND 3/4" CONDUIT STUBBED UP ABOVE CEILING AND WIRE INSTALLED FROM DEVICE BOX TO I.T. ROOM WITH 10' SLACK COILED UP IN ROOM. SECURITY VENDOR TO FURNISH AND INSTALL DEVICES, DEVICE PLATES, TERMINATIONS AND PROGRAMMING.
RX	WALL MOUNTED MOTION DETECTOR E.C. SHALL FURNISH AND INSTALL J-BOX AND 3/4" CONDUIT STUBBED UP ABOVE CEILING AND WIRE INSTALLED FROM DEVICE BOX TO I.T. ROOM WITH 10' SLACK COILED UP IN ROOM. SECURITY VENDOR TO FURNISH AND INSTALL DEVICES, DEVICE PLATES, TERMINATIONS AND PROGRAMMING.
MX	CEILING MOUNTED MOTION DETECTOR
NS	NURSE CALL EMERG. STATION
CD	NURSE CALL CODE BLUE EMERG. STATION
DS	NURSE CALL DUTY STATION
SS	NURSE CALL STAFF STATION
SP	NURSE CALL SINGLE PATIENT STATION
DP	NURSE CALL DUAL PATIENT STATION
PC	NURSE CALL DOME LIGHT (2 LAMP)
WP	CCTV CAMERA LOCATION, CONSISTING OF 4" SQUARE JUNCTION BOX, CAT-6 CABLE INSTALLED TO I.T. ROOM WITH 10' SLACK COILED UP IN ROOM, TILE RING(DEPTH AS REQUIRED), AND 1" CONDUIT STUBBED UP INTO EASILY ACCESSIBLE CEILING SPACE WHEN WALL MOUNTED. ALL HEAD-END EQUIPMENT, DEVICES, DEVICE PLATES, TERMINATIONS AND PROGRAMMING PROVIDED BY ELECTRICAL CONTRACTOR. WP=WEATHERPROOF COVER
WP	CCTV CAMERA WITH PAN/TILT DRIVE LOCATION, CONSISTING OF 4" SQUARE JUNCTION BOX, CAT-6 CABLE INSTALLED TO I.T. ROOM WITH 10' SLACK COILED UP IN ROOM, TILE RING(DEPTH AS REQUIRED), AND 1" CONDUIT STUBBED UP INTO EASILY ACCESSIBLE CEILING SPACE WHEN WALL MOUNTED. ALL HEAD-END EQUIPMENT, DEVICES, DEVICE PLATES, TERMINATIONS AND PROGRAMMING PROVIDED BY ELECTRICAL CONTRACTOR. WP=WEATHERPROOF COVER
360 WP	360 DEGREE CCTV CAMERA DRIVE LOCATION, CONSISTING OF 4" SQUARE JUNCTION BOX, CAT-6 CABLE INSTALLED TO I.T. ROOM WITH 10' SLACK COILED UP IN ROOM, TILE RING(DEPTH AS REQUIRED), AND 1" CONDUIT STUBBED UP INT



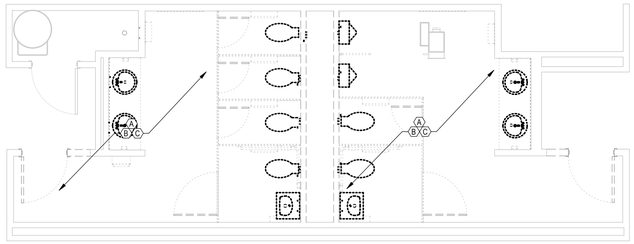
1 ED100 FIRST FLOOR AREA A RESTROOM DEMOLITION PLAN
1/4" = 1'-0"



2 ED100 FIRST FLOOR AREA A RESTROOM DEMOLITION PLAN
1/4" = 1'-0"



3 ED100 SECOND FLOOR AREA A RESTROOM DEMOLITION PLAN
1/4" = 1'-0"



4 ED100 SECOND FLOOR AREA B RESTROOM DEMOLITION PLAN
1/4" = 1'-0"

Electrical Demolition Notes

A SEE DRAWING E000 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS.

B SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.

C DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.

D DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.

E FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR ANY FEEDERS OR BRANCH CIRCUITS ORIGININATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

F FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

G DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.

H DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).

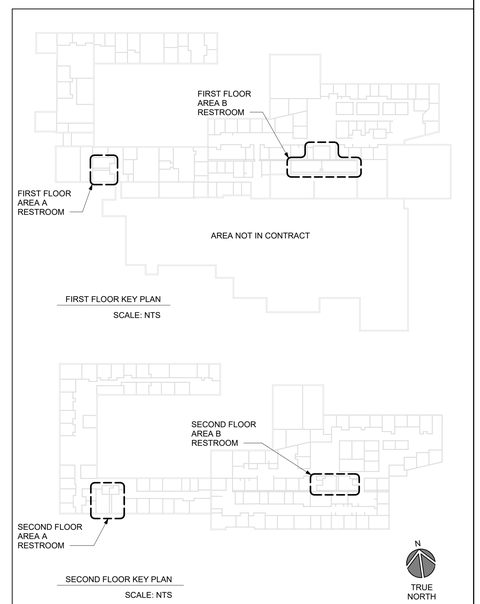
I FURNISH AND INSTALL BLANK COVER PLATES FOR ALL EXISTING UNUSED OPENINGS.

KEYNOTES

(A) ALL EXISTING ELECTRICAL DEVICES WITHIN EXISTING RESTROOMS TO BE REMOVED. EXISTING CIRCUIT ASSOCIATED WITH DEMOLISHED DEVICES TO BE PROTECTED DURING DEMOLITION AND RE-USED TO POWER NEW DEVICES.

(B) ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONTROLS WITHIN EXISTING RESTROOMS TO BE REMOVED. EXISTING CIRCUIT ASSOCIATED WITH DEMOLISHED FIXTURES TO BE PROTECTURED DURING DEMOLITION AND RE-USED TO POWER NEW LIGHT FIXTURES.

(C) ALL EXISTING FIRE ALARM DEVICES WITHIN EXISTING RESTROOM TO BE REMOVED AND REPLACED WITH NEW.



FIRST FLOOR KEY PLAN
SCALE: NTS

SECOND FLOOR KEY PLAN
SCALE: NTS

KEY PLAN

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STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET / DIVISION OF FACILITIES MANAGEMENT

CONTRACT #MJ1002000085

DATE OF SIGNATURE: 06.12.2026
DATE OF REGISTRATION EXPIRATION: 01.31.2027

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1) Owner

NO CONTRACTURAL OBLIGATION IS ASSUMED BY THE ARCHITECT FOR THE BENEFIT OF ANY OTHER PERSON INVOLVED IN THE PROJECT.

PROJECT TITLE

R&R RESTROOM RENOVATIONS

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER , DE 19901

SHEET TITLE

ELECTRICAL PARTIAL DEMOLITION PLANS

PRELIMINARY
NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
ISSUED: 10/27/2026

ISSUE BLOCK

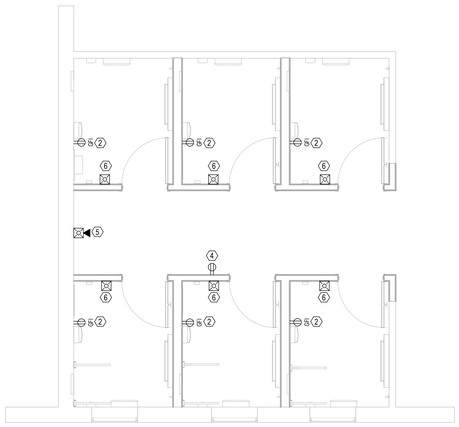
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5	09/22/2026	REVIEW SET
4	08/07/2026	FD SUBMISSION
3	06/12/2026	DD RESUBMISSION
2	03/20/2026	DD SUBMISSION
1	04/25/2026	PS/SD SUBMISSION

PROJECT NO: 24P290
DATE: 06.12.2026
SCALE: As indicated
DRAWN BY: ZT | PROJ MGR: MJL

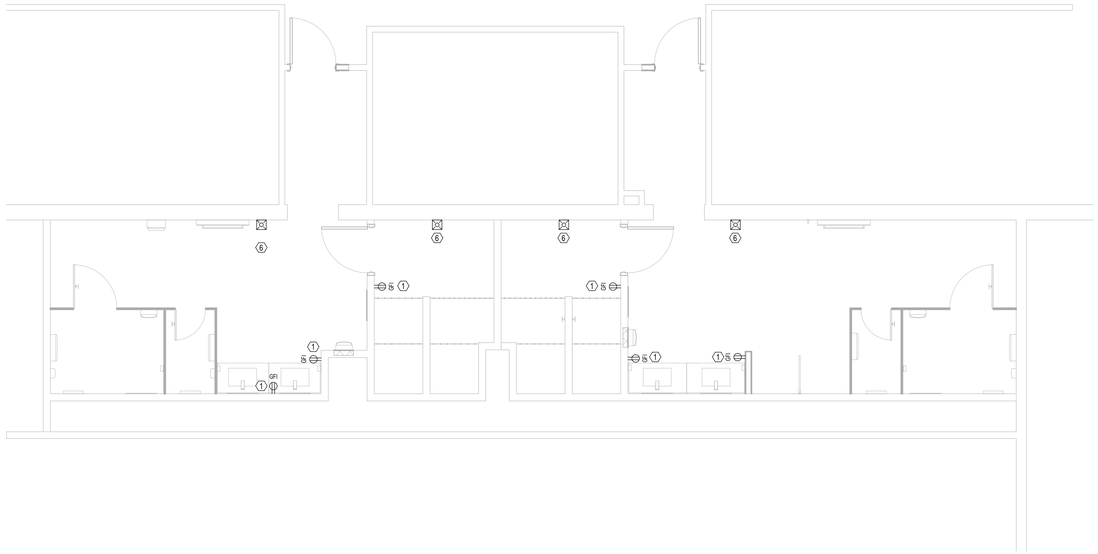
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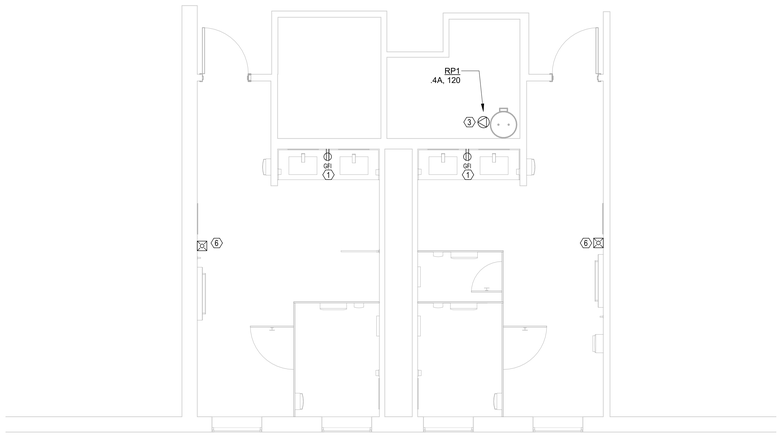
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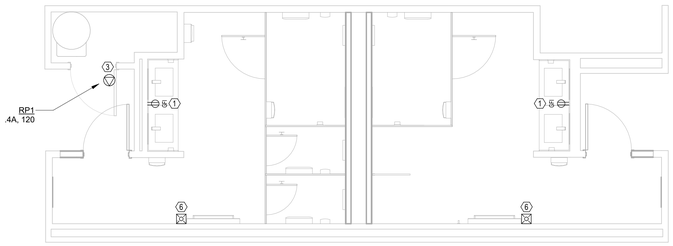
1 E100 FIRST FLOOR AREA A NEW WORK POWER PLAN
1/4" = 1'-0"



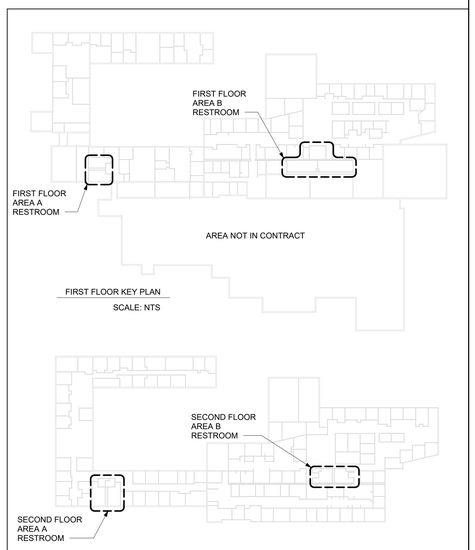
2 E100 FIRST FLOOR AREA B NEW WORK POWER PLAN
1/4" = 1'-0"



3 E100 SECOND FLOOR AREA A NEW WORK POWER PLAN
1/4" = 1'-0"



4 E100 SECOND FLOOR AREA B NEW WORK POWER PLAN
1/4" = 1'-0"



FIRST FLOOR KEY PLAN
SCALE: NTS

SECOND FLOOR KEY PLAN
SCALE: NTS

KEY PLAN

Electrical General Notes

A SEE DRAWING E000 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS.
B ELECTRICAL DEMOLITION AND DESIGN ARE BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS AND EXISTING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS PRIOR TO BEGINNING WORK AND SHALL CONTACT DEDC, LLC IF FIELD CONDITIONS DIFFER FROM THOSE INDICATED ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD IDENTIFICATION OF EXISTING CIRCUITS WHERE SOURCES ARE UNKNOWN.

KEYNOTES

1. NEW GFCI CONVENIENCE RECEPTACLE(S) TO BE POWERED VIA EXISTING RESTROOM RECEPTACLE CIRCUIT PROTECTED DURING DEMOLITION. PROVIDE NEW WIRE AND CONDUIT IN ORDER TO EXTEND EXISTING CIRCUIT AS NECESSARY, TYPE AND SIZE TO MATCH EXISTING. COORDINATE EXACT LOCATION WITH ARCH IN FIELD PRIOR TO ROUGH-IN.
2. EXTEND EXISTING ELECTRICAL CIRCUIT PROTECTED DURING DEMOLITION TO POWER (6) NEW RESTROOM CONVENIENCE RECEPTACLES. PROVIDE NEW WIRING AND CONDUIT IN ORDER TO EXTEND EXISTING CIRCUIT AS NECESSARY, TYPE AND SIZE TO MATCH EXISTING. COORDINATE EXACT LOCATION WITH ARCH IN FIELD PRIOR TO ROUGH-IN.
3. NEW 48W, 120V CIRC PUMP TO BE POWERED VIA EXISTING RESTROOM RECEPTACLE CIRCUIT. EXTEND EXISTING CIRCUIT AS REQUIRED, PROVIDE NEW WIRING AND CONDUIT AS NECESSARY, TYPE AND SIZE TO MATCH EXISTING.
4. NEW CONVENIENCE RECEPTACLE TO BE POWERED FROM NEAREST CONVENIENCE RECEPTACLE CIRCUIT. ELECTRICAL CONTRACTOR TO PROVIDE (2)#12 & (1)#12 GRD IN 3/4" C AS REQUIRED.
5. NEW FIRE ALARM HORN STROBE DEVICE FOR NEW AREA NOTIFICATION. ELECTRICAL CONTRACTOR TO COORDINATE EXACT TYPE/MANUFACTURER WITH EXISTING BUILDING FIRE ALARM SYSTEM.
6. NEW FIRE ALARM STROBE DEVICE FOR NEW RESTROOM NOTIFICATION. ELECTRICAL CONTRACTOR TO COORDINATE EXACT TYPE/MANUFACTURER WITH EXISTING BUILDING FIRE ALARM SYSTEM.

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89 KINGS HWY. SW
DOVER , DE 19901

SHEET TITLE

ELECTRICAL POWER PLANS

PRELIMINARY
NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
ISSUED: 10/27/2026

ISSUE BLOCK

Mark	Date	Description
6	10/27/2026	Issued For Bidding
5	09/22/2026	REVIEW SET
4	08/07/2026	FD SUBMISSION
3	06/12/2026	DD RESUBMISSION
2	03/20/2026	DD SUBMISSION
1	04/25/2026	PS/SD SUBMISSION

PROJECT NO: 24P290
DATE: 06.12.2026
SCALE: As indicated
DRAWN BY: ZT | PROJ MGR: MJL

E100

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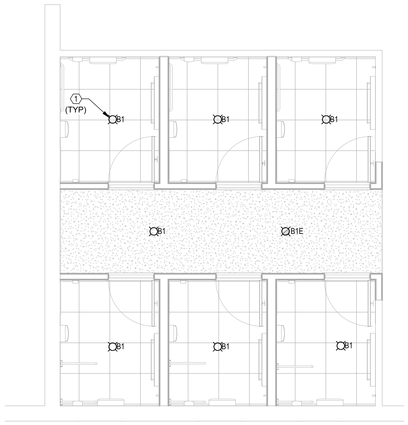
Electrical General Notes

A SEE DRAWING E000 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS.

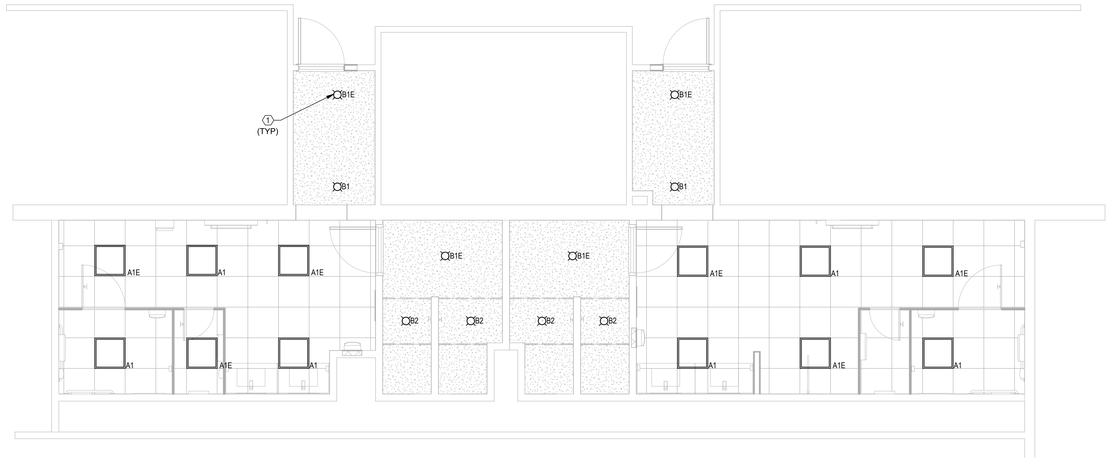
B ELECTRICAL DEMOLITION AND DESIGN ARE BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS AND EXISTING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS PRIOR TO BEGINNING WORK AND SHALL CONTACT DEDC, LLC IF FIELD CONDITIONS DIFFER FROM THOSE INDICATED ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD IDENTIFICATION OF EXISTING CIRCUITS WHERE SOURCES ARE UNKNOWN.

KEYNOTES

1 NEW LIGHTING FIXTURES AND DEVICES TO UTILIZE EXISTING LIGHTING CIRCUIT PROTECTED DURING DEMOLITION. PROVIDE NEW WIRE AND CONDUIT TO EXTEND EXISTING CIRCUIT AS NECESSARY, TYPE TO MATCH EXISTING.

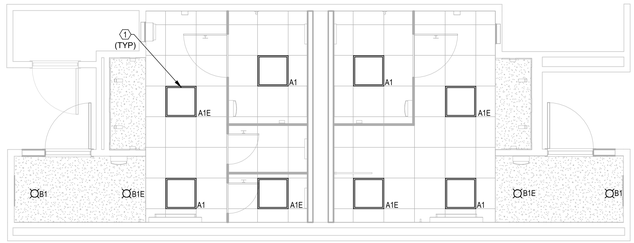


1 / E200 FIRST FLOOR AREA A NEW WORK LIGHTING PLAN
1/4" = 1'-0"



2 / E200 FIRST FLOOR AREA B NEW WORK LIGHTING PLAN
1/4" = 1'-0"

3 / E200 SECOND FLOOR AREA A NEW WORK LIGHTING PLAN
1/4" = 1'-0"

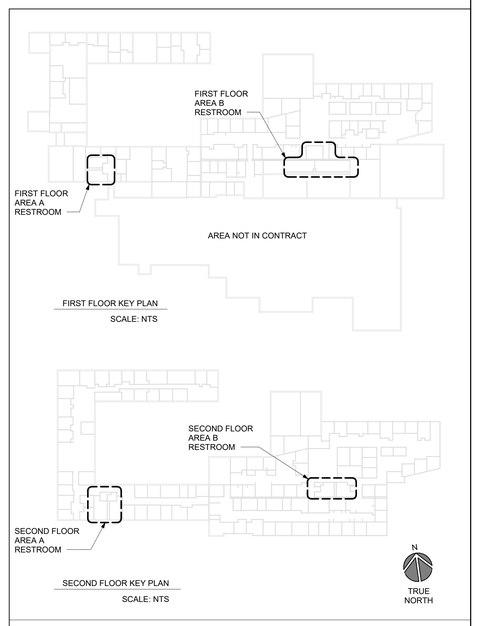


4 / E200 SECOND FLOOR AREA B NEW WORK LIGHTING PLAN
1/4" = 1'-0"

Luminaire Schedule

ID	Description	Apparent Load	Manufacturer*	Type Comments
A1	RECESSED 2X2 LED TROFFER	34 VA	ELITE ORACLE	22-NV-LED-3400L-DIM10-MVOLT-35K-85
A1E	RECESSED 2X2 LED TROFFER WITH 90 MIN EMERGENCY BATTERY BACKUP	34 VA	ELITE ORACLE	22-NV-LED-3400L-DIM10-MVOLT-35K-85-0-EMG-LED-10W
B1	RECESSED LED DOWNLIGHT	16 VA	ELITE MAXILUME	HH4-LED-1200L-DIM10-120-MD-35K-90/HHR-4507-CL-WH
B1E	RECESSED LED DOWNLIGHT WITH 90 MIN EMERGENCY BATTERY BACKUP	16 VA	ELITE MAXILUME	HH4-LED-1200L-DIM10-120-MD-35K-90-EMG-LED-10W/HHR-4507-CL-WH
B2	RECESSED LED DOWNLIGHT WITH WET LOCATION TRIM	16 VA	ELITE MAXILUME	HH4-LED-1200L-DIM10-120-MD-35K-90/HHR-4501-CL-WH

*OR APPROVED EQUAL



KEY PLAN

BECKER MORGAN GROUP

ARCHITECTURE
ENGINEERING

Delaware
309 S Governors Ave
Dover, DE 19904
302.734.7950

The Tower at STAR Campus
100 Discovery Boulevard, Suite 102
Newark, DE 19713
302.369.3700

Maryland
312 West Main St, Suite 300
Salisbury, MD 21801
410.546.9100

North Carolina
3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600

www.beckermorgan.com

DEDC, LLC
ENGINEERING / DESIGN / CONSULTING
315 SOUTH CHAPEL STREET
NEWARK, DELAWARE 19711
302-738-7172
www.dedc-eng.com

STATE OF DELAWARE
OFFICE OF MANAGEMENT AND
BUDGET / DIVISION OF FACILITIES
MANAGEMENT

CONTRACT #MJ1002000085

DATE OF SIGNATURE: 06.12.2026
DATE OF REGISTRATION EXPIRATION:
01.31.2027

THE PROFESSIONAL SERVICES OF THE ARCHITECT ARE UNDERTAKEN FOR AND ARE PERFORMED IN THE INTEREST OF:
1) Owner

NO CONTRACTURAL OBLIGATION IS ASSUMED BY THE ARCHITECT FOR THE BENEFIT OF ANY OTHER PERSON INVOLVED IN THE PROJECT.

PROJECT TITLE

R&R RESTROOM RENOVATIONS

RICHARDSON & ROBBINS BUILDING
89 KINGS HWY. SW
DOVER , DE 19901

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E200

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