

Phase 1 Interior Improvements to the Lower Level

for the

The Beekman Library

11 Town Center Blvd Hopewell Junction, NY 12533

Library Director:

Carol Fortier

Library Board of Trustees:

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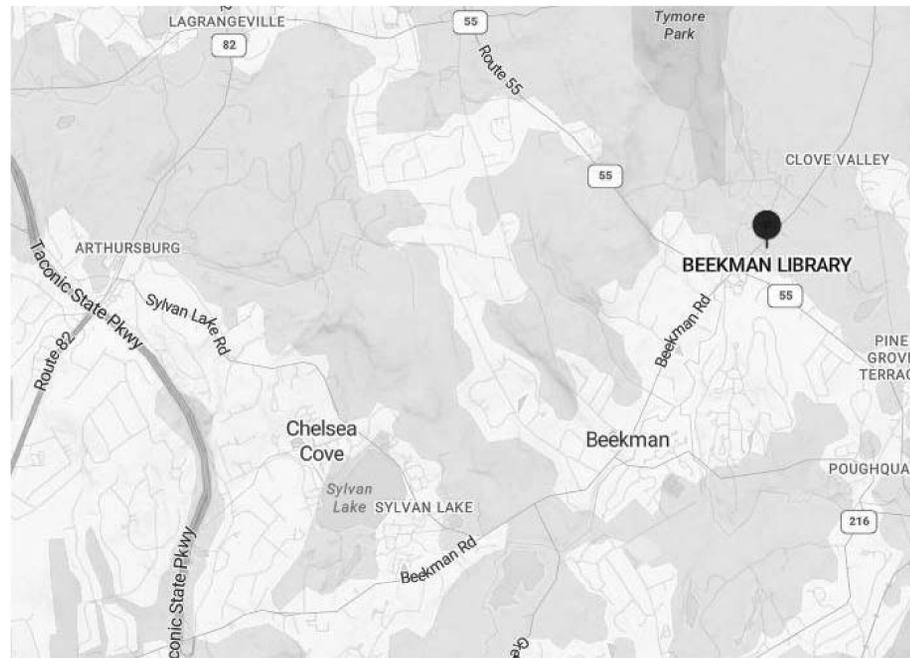
Mechanical, Electrical, Plumbing Engineers:

M/E Engineering
 433 State Street
 Schenectady, NY 12305

Abbreviations

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
ALUM	ALUMINUM
APPROX	APPROXIMATE
BM	BEAM
CL	CENTERLINE
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
ELEV	ELEVATION
EP	ELECTRICAL PANEL
EXIST	EXISTING
ETR	EXISTING TO REMAIN
FND	FOUNDATION
FTG	FOOTING
GWB	GYP/SUM WALL BOARD
HM	HOLLOW METAL
HR	HOUR
INSUL	INSULATION
LG	LIGHT GAUGE METAL FRAMING
MAX	MAXIMUM
MIN	MINIMUM
MO	MASONRY OPENING
NIC	NOT IN CONTRACT
OPNG	OPENING
OPP	OPPOSITE
PT	PRESSURE TREATED
REQ	REQUIREMENTS
RO	ROUGH OPENING
SIM	SIMILAR
STL	STEEL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VF	VERIFY IN FIELD
W	WITH
WD	WITHOUT
WD	WOOD

Location Map



Schedule of Drawings

G100	COVER
ARCHITECTURAL DRAWINGS	
A100	LOWER LEVEL EXIST. PLANS
A101	ENLG. REMOVALS PLAN & CONSTRUCTION NOTES
A102	ENLG. PLANS
A103	INTERIOR ELEVATIONS & DETAILS
PLUMBING DRAWINGS	
P101	PLUMBING PLAN
MECHANICAL DRAWINGS	
M001	GENERAL NOTES, SYMBOL LIST & ABBREVIATIONS
MD101	HVAC – BASEMENT DEMOLITION PLAN
M101	HVAC – BASEMENT PLAN
M501	MECHANICAL DETAILS
M601	HVAC SCHEDULES
ELECTRICAL DRAWINGS	
E001	ELECTRICAL LEGEND & ABBREVIATIONS
ER100	LOWER LEVEL POWER & SYSTEMS REMOVALS PLAN
ER200	LOWER LEVEL LIGHTING REMOVALS PLAN
E100	LOWER LEVEL POWER & SYSTEMS PLAN
E200	LOWER LEVEL LIGHTING PLAN
E500	ELECTRICAL DETAILS

General Notes

- G-1. DO NOT SCALE THE DRAWINGS.
- G-2. UNLESS NOTED OTHERWISE, ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF GWB, CENTERLINE OF STEEL, OR EDGE OF ROUGH OPENING. ALL EXTERIOR DIMENSIONS ARE TAKEN FROM FACE OF STUD.
- G-3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCING ANY CONSTRUCTION WORK.
- G-4. UNAUTHORIZED ADDITIONS TO OR ALTERATIONS OF THESE DOCUMENTS WITHOUT CONSULTING THE ARCHITECT IS A VIOLATION OF NYS EDUCATION LAW.
- G-5. ALL MATERIALS, PRODUCTS AND FINISHES SHALL BE INSTALLED IN FULL COMPLIANCE WITH ALL MANUFACTURER'S INSTRUCTIONS.
- G-6. THE CONTRACTOR SHALL OBTAIN ALL LICENSES AND PERMITS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
- G-7. THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY DURING CONSTRUCTION IS THE CONTRACTOR'S RESPONSIBILITY.
- G-8. ALL WORK IS TO BE IN STRICT ACCORDANCE WITH THE BUILDING CODE OF NEW YORK STATE, THE MECHANICAL AND PLUMBING CODES OF NEW YORK STATE, THE ENERGY CONSERVATION CODE OF NEW YORK STATE, THE NATIONAL ELECTRIC CODE AND ANY LOCAL ORDINANCES.
- G-9. GENERAL CONTRACTOR SHALL INSTALL ALL MISCELLANEOUS BLOCKING IN PARTITIONS AS REQUIRED TO SUPPORT AND FRAME WALL MOUNTED ITEMS.
- G-10. GENERAL CONTRACTOR SHALL COORDINATE REMOVALS WORK IN ACCORDANCE WITH THE HAZARDOUS MATERIALS REPORTS AND ABATMENT SPECIFICATION SECTIONS.

THE ARCHITECT CERTIFIES THAT THIS PROJECT HAS BEEN DESIGNED BY ME, OR UNDER MY SUPERVISION, IN ACCORDANCE WITH THE BUILDING CODE OF NEW YORK STATE / NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, LATEST VERSION, THE 2020 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE (OR LATEST VERSION), AND APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES, AND REGULATIONS, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE DOCUMENTS ARE IN CONFORMANCE THEREWITHIN.



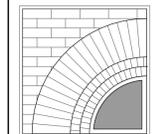
024705 12/31/2023

STEVEN G. ROWLAND, RA NYS REGISTRATION No. EXP.
 THIS BUILDING MEETS OR EXCEEDS THE SEISMIC STRUCTURAL REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE AND THEREFORE SATISFIES THE REQUIREMENTS AS ESTABLISHED UNDER THE NATIONAL EARTHQUAKE HAZARD REDUCTION PROTECTION ACT (NEHRP).

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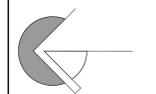
PROJECT

CONSULTANT



REG. EXP.: 12/31/2023

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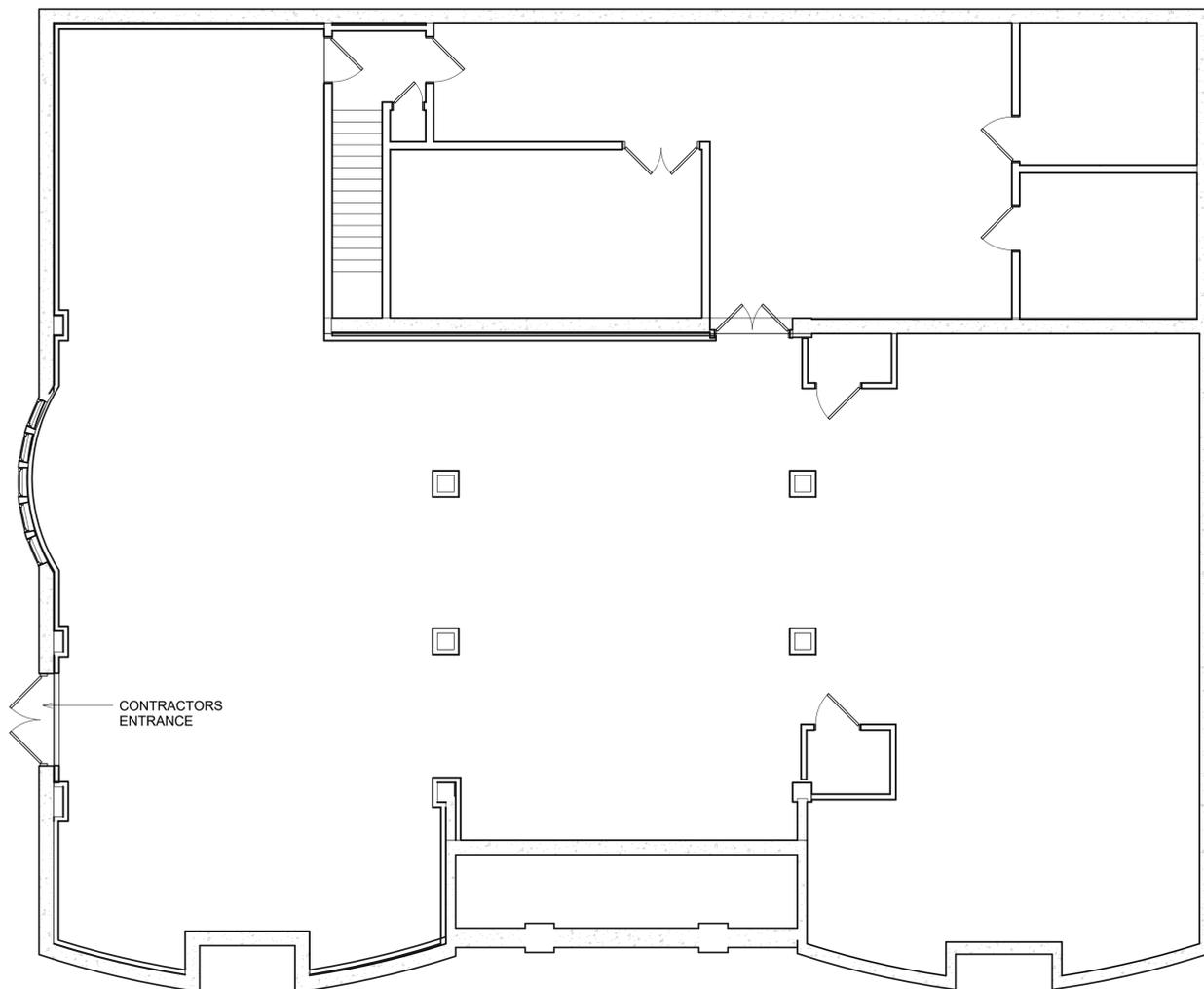
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JOB NO.: 22-46-09
DATE: 03/08/23

**LOWER
LEVEL
EXIST.
PLANS**

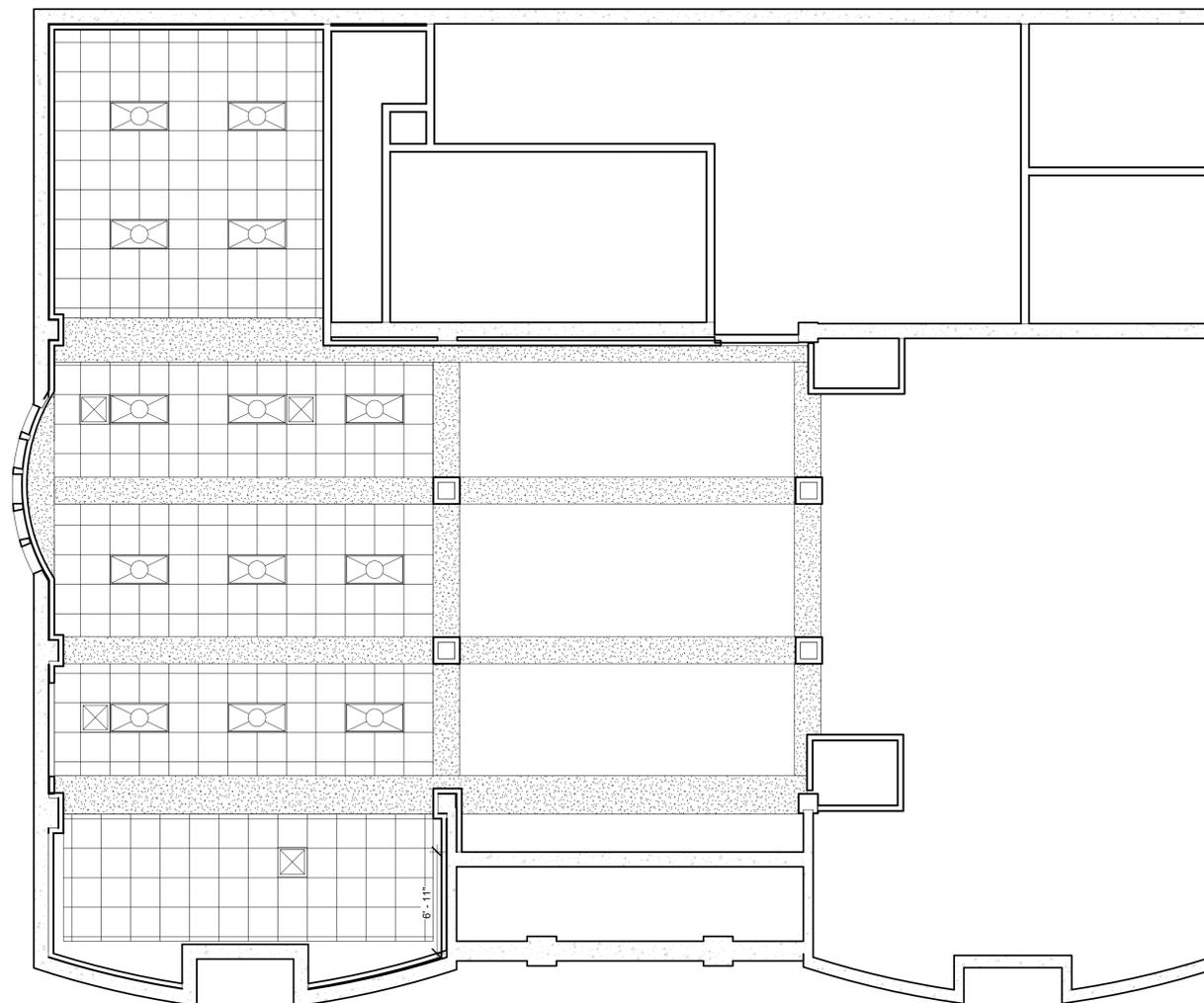
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A100

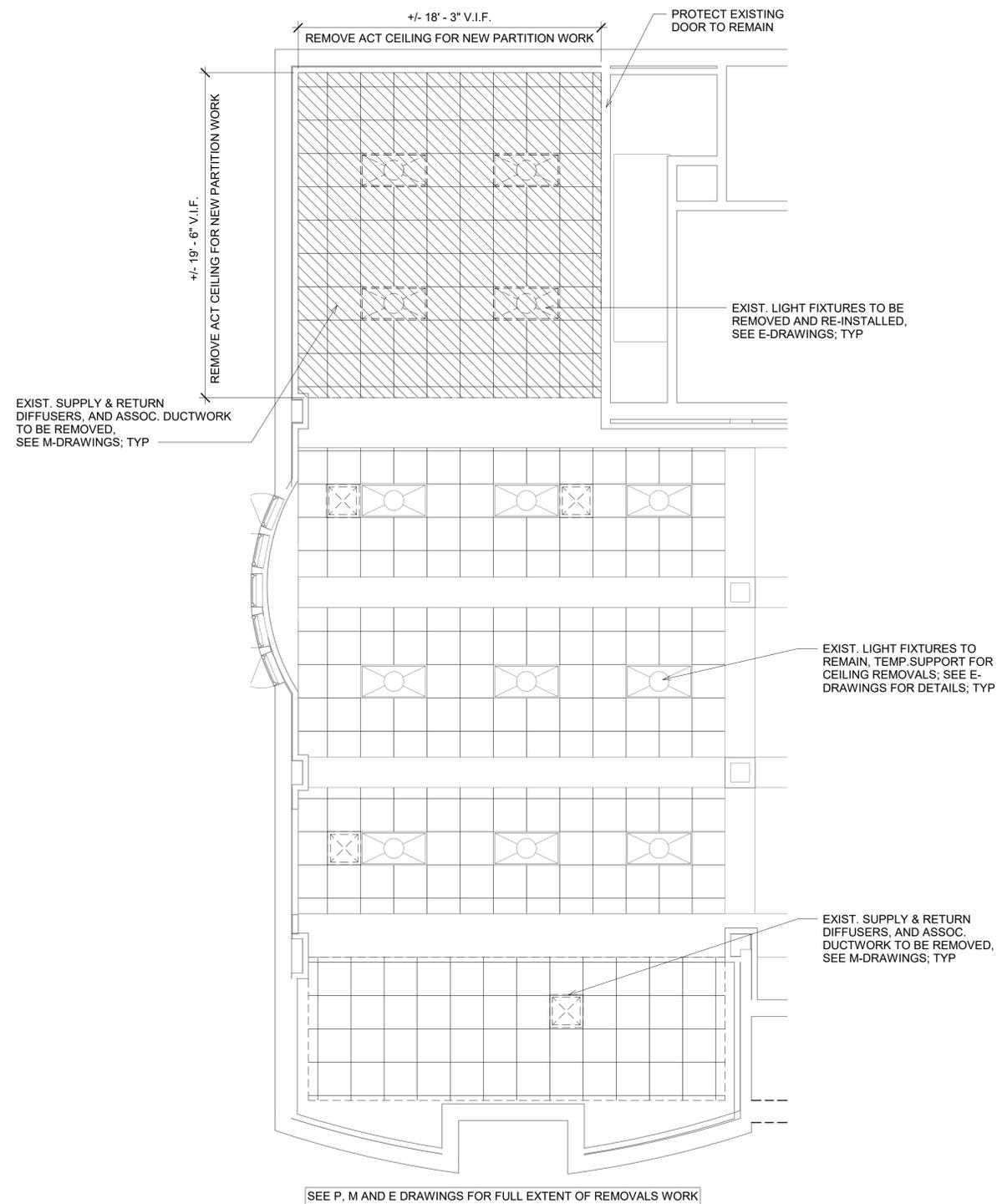
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1 LOWER LEVEL EXIST. CONDITIONS
PLAN
3/16" = 1'-0"



2 EXIST. CONDITIONS REFLECTED
CEILING PLAN
3/16" = 1'-0"



1 ENLARGED EXIST. CONDITIONS
REFLECTED CEILING PLAN
1/4" = 1'-0"

CONSTRUCTION NOTES (applicable to all A-drawings):

M1	INTERIOR PARTITIONS: LIGHT GAUGE, COLD FORMED STEEL FRAMING, MIN. 25 GAUGE, SPACED 16" OC.; PROVIDE DOUBLE 20 GA STUDS AT ALL SIDES OF NEW OPENINGS.
M2	WALL BOARD: 5/8" FIRE RATED GYPSUM WALL BOARD, UL RATED TYPE X, ENDS SQUARE CUT, TAPERED, BEVELED EDGES. PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN WET LOCATIONS, 5/8" THICK, UL RATED TYPE X, ENDS SQUARE CUT, TAPERED, BEVELED EDGES. PROVIDE ALL METAL EDGE TRIMS AND CORNER BEADS: TAPE AND FINISH COMPLETELY. LEVEL 5 FINISH FOR ALL NEW WORK.
M3	WOOD DOORS: 36x84" FACTORY FINISHED, FLUSH FACED, 1 3/4" SOLID CORE, WITH PLAIN SLICED WHITE MAPLE VENEER FACES, CONFORMING TO AWI QUALITY STANDARDS AND TO U.L. AND NFPA 80 REQUIREMENTS FOR RATED DOORS, BY ALGOMA, EGGERS, WEYERHAUSER, OR EQ. DOORS TO HAVE LIFETIME GUARANTEE. DOORS 001 AND 004 TO RECEIVE HALF-LITE VISION PANEL w/ 1/4" FULLY TEMPERED GLAZING. ALL DOORS TO RECEIVE: 3 EA 58B1 4.5X4.5 HINGE BY IVES; CLASSROOM LOCK 1581L QUA BY FALCON; K-I-L CYLINDER 24-031 EC29 T; 1450 CLOSER w/ CUSH-N-STOP HD HOLD ON PARALLEL ARM BY LCN; WALL STOP WS406/407 CVX BY IVES. ALL HARDWARE TO HAVE FINISH 652 OR 626 OR SIM FINISH. PROVIDE TOP & BOTTOM SURFACE MOUNTED FLUSH BOLTS AT INACTIVE LEAF OF DOOR 004.
M4	INTERIOR HOLLOW METAL DOOR FRAMES: KNOCK DOWN TYPE, CONFORMING TO SDI-100 SPECIFICATIONS, 16 GAUGE, PRIMED COATED, REINFORCED FOR HARDWARE AS REQUIRED. CONFORM WITH APPLICABLE U.L. & F.M. REQUIREMENTS FOR RATED FRAMES. APPROPRIATE U.L. LABELS TO BE VISIBLE IN INSTALLED POSITION, DO NOT COVER WITH PAINT.
M5	NEW ACOUSTIC CEILING SYSTEMS: 9/16" SUSPENDED GRID SYSTEM WITH PERIMETER MOLDINGS, SUPPORT CHANNELS AND HANGERS, ETC., AND 2x2 CIRRUS TILES WITH BEVELED TEGULAR EDGE, 3/4" THICKNESS, WHITE, BY ARMSTRONG OR EQUAL.
M6	LAMINATE WALLS PANELS: INSTALL CEMENTITIOUS BACKER UNITS ON METAL STUDS OVER WATERPROOF MEMBRANE. STUD CAVITIES TO BE FILLED WITH MINERAL WOOL INSULATION. PROVIDE WILSONART WET WALL PRO 4X8 PANEL SYSTEM. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PATTERN/COLOR TO BE SELECTED FROM FULL MANUFACTURER'S FULL RANGE. USE APPROPRIATE SCHULTER TRIM FOR INSIDE AND OUTSIDE CORNERS, COVES, CAPS, ETC. FOLLOW "TCA HANDBOOK FOR CERAMIC TILE INSTALLATION" RECOMMENDED METHOD FOR FIRE-RATED WALLS #RW816.
M7	CERAMIC TILE AT RESTROOM FLOORS: TYPICAL TOILET ROOM CERAMIC TILE FLOORS TO BE INSTALLED OVER EXISTING CONCRETE FLOOR SLAB USING LATEX-PORTLAND CEMENT MORTAR AND GROUTED WITH LATEX-PORTLAND CEMENT GROUT. PROVIDE ALL REQUIRED FLOOR PREP AS APPLICABLE. USE APPROPRIATE BASE AND TRIM TILES AS REQUIRED. INCLUDING HANDICAP ACCESSIBLE MARBLE THRESHOLDS. TILE TO BE DAL TIE SCRIPPER GLAZED PORCELAIN WITH STEPWISE OR EQUAL, IN SIZE, STYLE AND COLORS TO BE SELECTED. FOLLOW "TCA HANDBOOK FOR CERAMIC TILE INSTALLATION" METHOD F113.
M8	FINISH FLOORING AT COMMUNITY ROOM & KITCHENETTE: TO BE INTERFACE, LLC NATURAL WOODGRAINS COLLECTION LVT (LUXURY VINYL TILE), COLOR/PATTERN TO BE SELECTED FROM MANUFACTURER'S FULL RANGE; 4" JOHNSONITE RUBBER COVE BASE, COLOR TO BE SELECTED FROM MANUFACTURER'S FULL COLOR LINE.
M9	WALL AND BASE CABINETS TO BE MERRILLAT MASTERPIECE SERIES; "TURNER" STILE & RAIL DOORS, FULL OVERLAY, CHERRY WOOD, STAIN COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD RANGE. PROVIDE ADJUSTABLE SHELVES, FINISHED BOXES, GRASS 125 DEGREE SELF-CLOSING, CONCEALED HINGES, GRASS ELITE 19 SERIES SELF-CLOSING w/ INTEGRAL SIDES DRAWER SLIDES, COMP X DISC, TUMBLER CAM LOCK, MAGNETIC CATCHES, ADA PULLS, ETC. FOR COMPLETE INSTALLATION.
	1x4 PAINTED CORNER TRIMS, FULL HEIGHT FLOOR TO CEILING; PROVIDE 1x8 PAINTED CAP & BASE TRIMS

PAINTING NOTES

ACCEPTABLE PAINT MANUFACTURERS ARE BENJAMIN MOORE AND SHERWIN WILLIAMS. COLORS TO BE SELECTED FROM FULL RANGE OF MANUFACTURER'S COLORS, SCHEDULE TO BE PROVIDED BY ARCHITECT.

ALL SURFACES TO BE PAINTED MUST BE FREE FROM DEFECTS AND BLEMISHES WHICH MIGHT ADVERSELY AFFECT FINISH QUALITY. ALL SURFACES NOT BEING PAINTED ARE TO BE PROTECTED FROM PAINT AND DAMAGE. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION PROCEDURES.

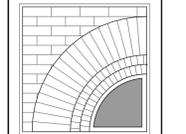
ALL NEW & EXISTING GWB WALL & CEILING FINISHES IN WORK AREA TO RECEIVE NEW PAINT FINISH.

PRODUCT SCHEDULE:
HOLLOW METAL FRAMES: 1 COAT METAL PRIMER & 2 COATS SEMI-GLOSS ENAMEL, ALKYD
GYPSUM BOARD WALL SURFACES: 1 COAT PRIMER & 2 COATS ACRYLIC LATEX ENAMEL, EGG SHELL
GYPSUM BOARD CEILING SURFACES: 1 COAT PRIMER & 2 COATS ACRYLIC LATEX ENAMEL, FLAT
PAINTED TRIMS: - 1 COAT PRIMER SEALER & 2 COATS LATEX ENAMEL, SEMI-GLOSS

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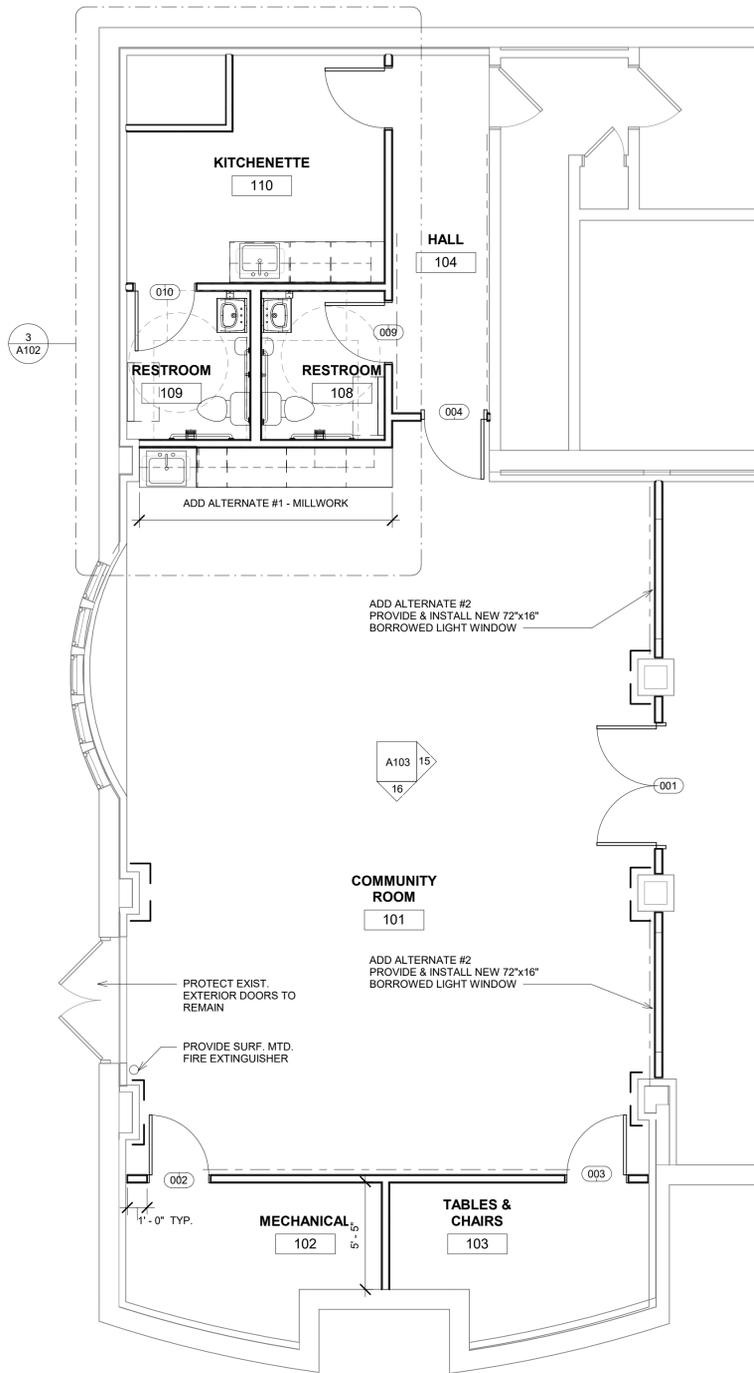


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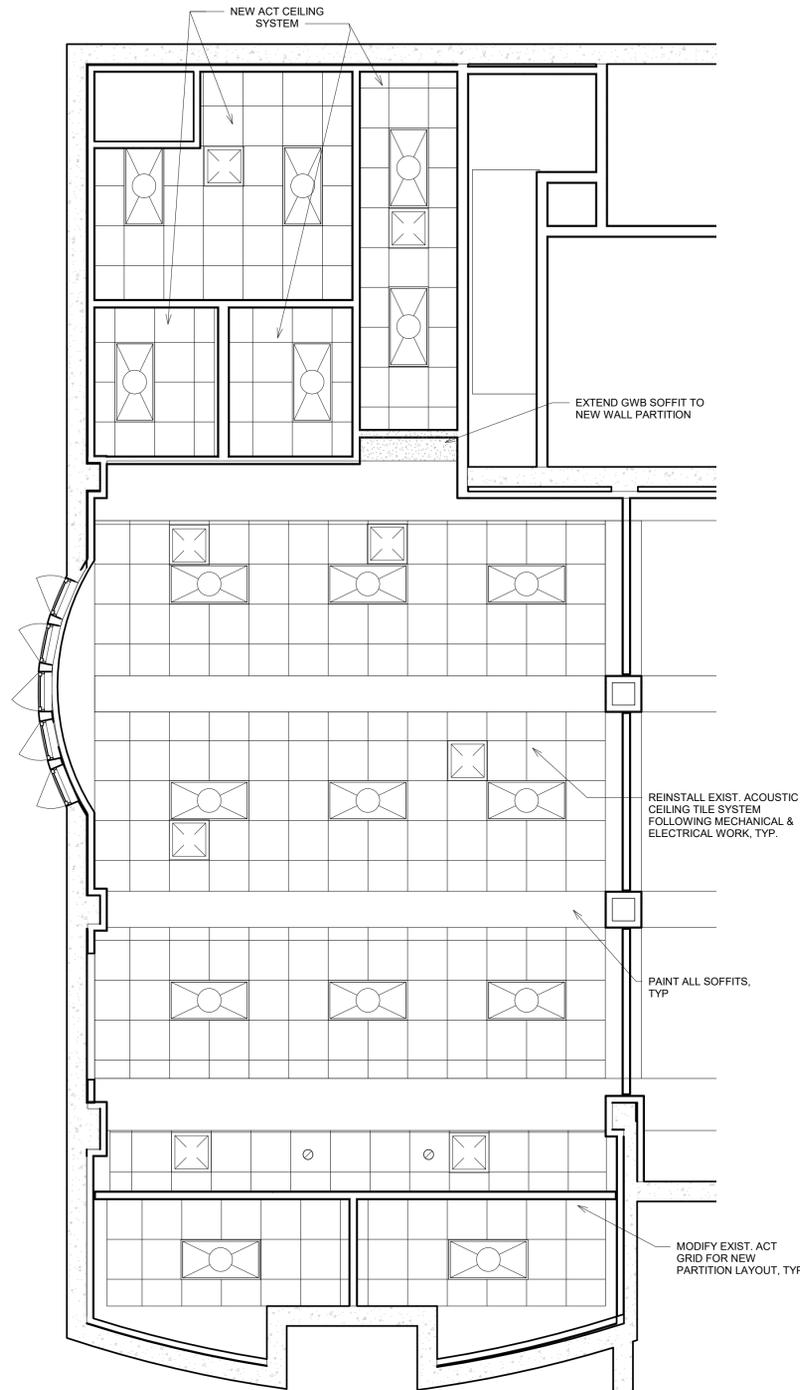
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JOB NO.: 22-46-09
DATE: 07/17/23

**ENLG.
REMOVALS
PLAN &
CONSTR.
NOTES**
TITLE

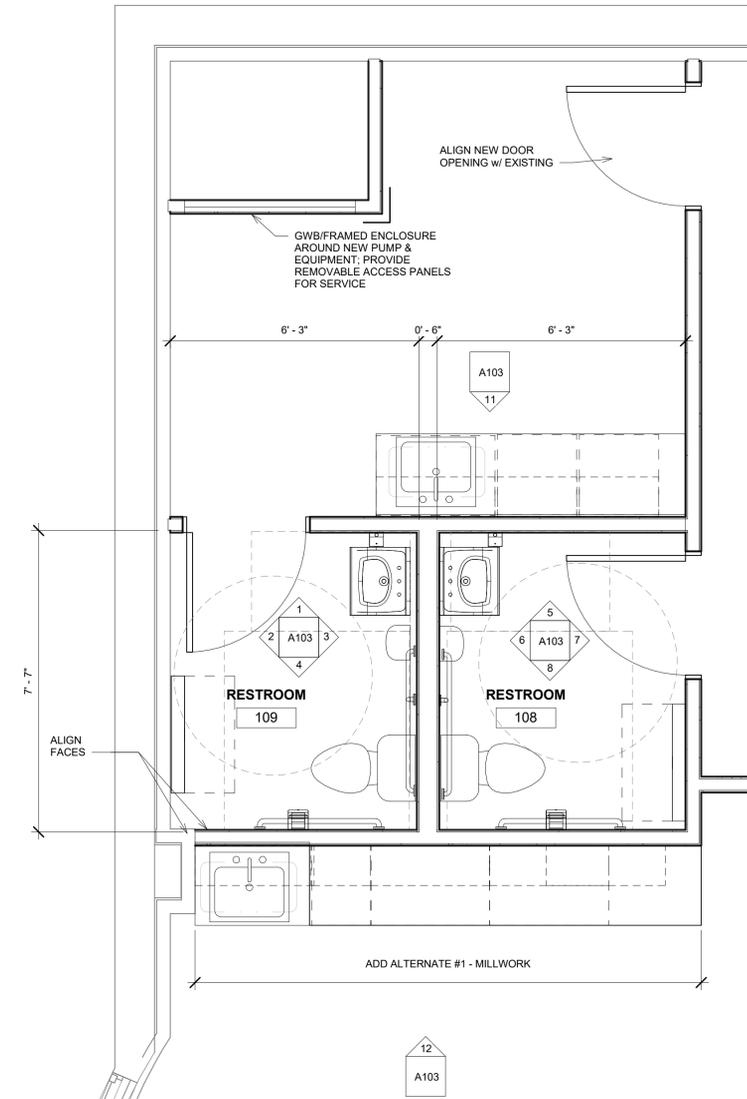
A101
DWG. NO.



1 ENLARGED PARTIAL FLOOR PLAN
1/4" = 1'-0"



2 ENLARGED PARTIAL REFLECTED CEILING PLAN
1/4" = 1'-0"

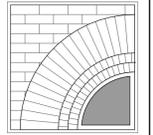


3 ENLARGED RESTROOMS PLAN
1/2" = 1'-0"

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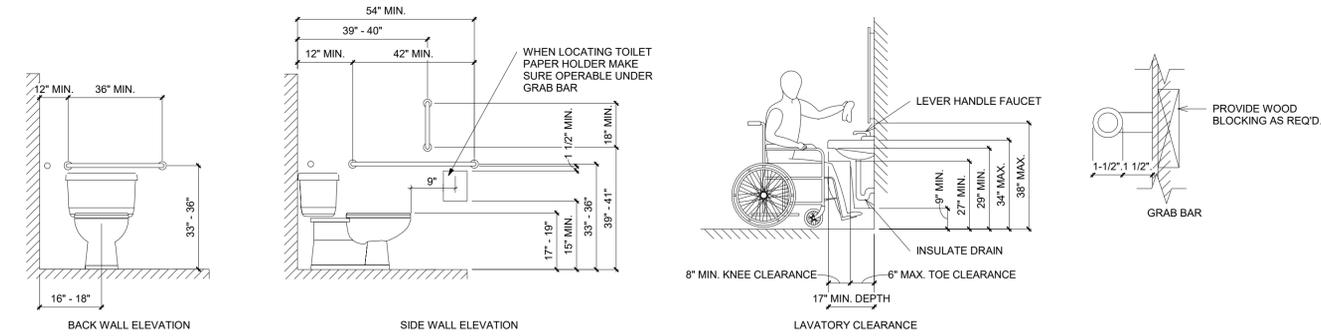
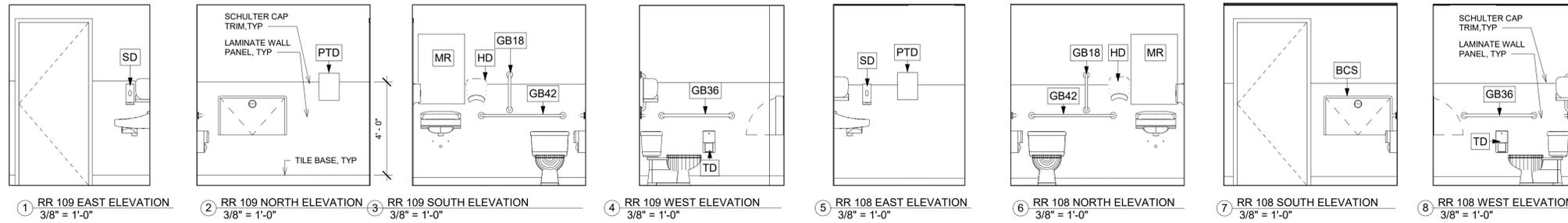
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**ENLG.
PLANS**

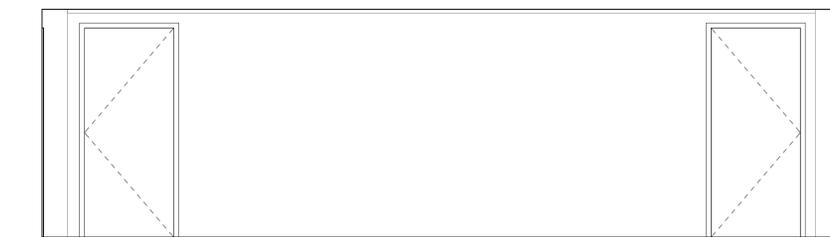
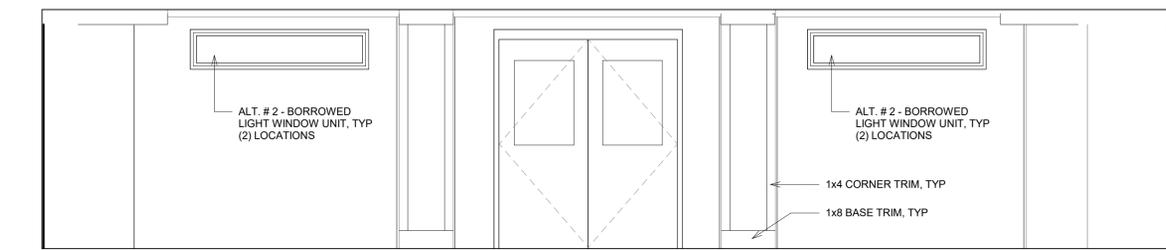
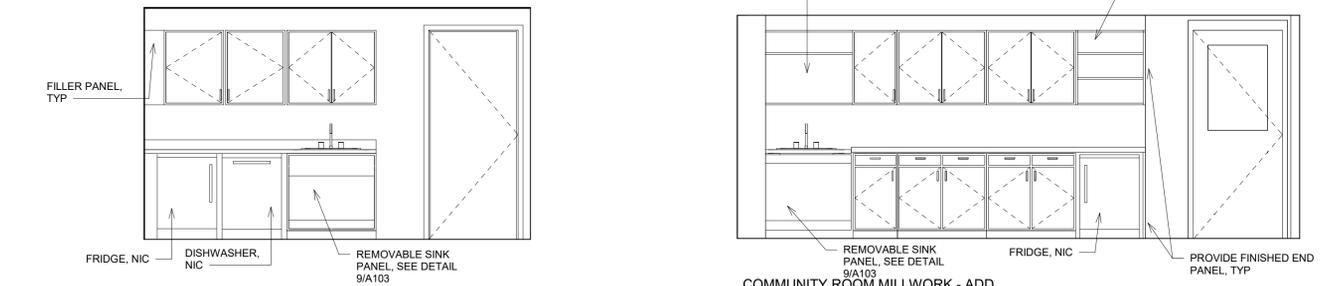
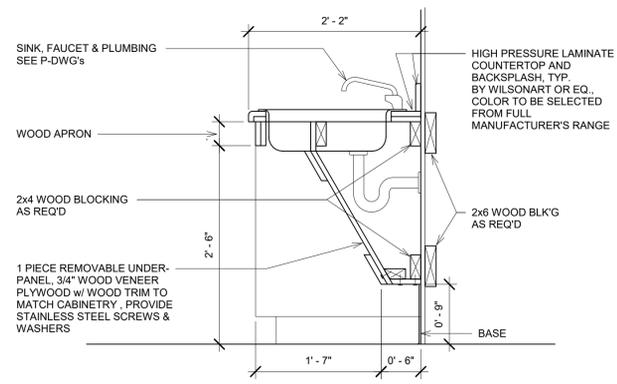
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A102

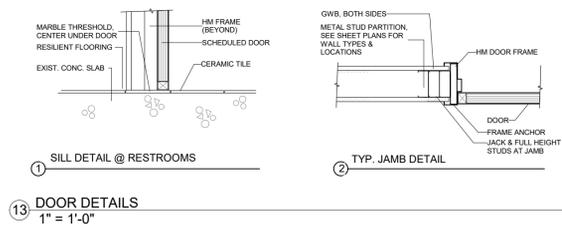
DWG. NO.



10 TYPICAL RESTROOM INSTALLATION GUIDELINES
1/4" = 1'-0"



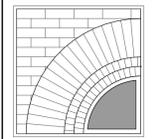
TOILET ROOM ACCESSORIES	
MARK	ACCESSORY
TD	TOILET PAPER DISPENSER: TOILET TISSUE DISPENSER FOR TWO ROLLS, BOBRICK CLASSIC SERIES MODEL B-2740
PTD	PAPER TOWEL DISPENSER: SURFACE-MOUNTED PAPER-TOWEL DISPENSERS, BOBRICK CLASSIC SERIES MODEL B-262 PROVIDE NECESSARY SURFACE BLOCKING FOR WALL INSTALLATION.
MR	MIRROR: STAINLESS STEEL CHANNEL FRAME MIRRORS, BOBRICK MODEL B-165 2436
GB	GRAB BAR: STRAIGHT GRAB BAR WITH PEENED SURFACE, AS SIZE INDICATED ON DRAWINGS. BOBRICK MODEL B-5806x36 BOBRICK MODEL B-5806x42 BOBRICK MODEL B-5806x18
FCT	FOLDING CHANGING TABLE: BOBRICK MODEL KB110-SSWM
CH	COAT HOOK: HEAVY-DUTY CLOTHES HOOKS, BOBRICK MODEL B-211
SD	SOAP DISPENSER: SURFACE MOUNTED SOAP DISPENSER, BOBRICK MODEL B-2111
HD	HAND DRYER: BOBRICK B-778 * CONTRACTOR TO PROVIDE REQUIRED ELECTRICAL WIRING FOR COMPLETE INSTALLATION PROVIDE NECESSARY SURFACE BLOCKING FOR WALL INSTALLATION.
GENERAL NOTES - THIS SHEET	
1.	PROVIDE SOLID WOOD BLOCKING IN ALL DRYWALL PARTITIONS FOR MOUNTING OF TOILET ACCESSORIES
2.	INSTALL PER MANUFACTURERS INSTRUCTIONS FOR H.C. ACCESSIBILITY.
*	ALL DIMENSIONS SHOWN TO TOILET ACCESSORIES AND FIXTURES ARE FROM FACE OF FINISH



13 DOOR DETAILS
1" = 1'-0"

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INTERIOR ELEVATIONS & DETAILS

TITLE

A103
DWG. NO.

PLUMBING FIXTURE CONNECTION SCHEDULE							REMARKS
TAG NO.	DESCRIPTION	COLD WATER	HOT WATER	WASTE	SANITARY	VENT	
WC-A	WATER CLOSET ADA	1"	-	-	3"	2"	FLOOR MOUNTED TWO PIECE TANK TYPE, MANUAL FLUSH VALVE, HEAVY DUTY SEAT - OPEN FRONT, LESS COVER
LV-A	LAVATORY ADA	1/2"	1/2"	1-1/2"	-	1-1/2"	WALL MOUNT CHINA LAV, MANUAL FAUCET, GRID STRAINER, MANUAL DECK MOUNTED FAUCET, ADA WRISTBLADES, ADA COVERS
SK-A	SINK	1/2"	1/2"	1-1/2"	-	1-1/2"	DROP IN, S/S DOUBLE BOWL, KITCHEN SINK SINGLE LEVER STYLE FAUCET, 2.0 AERATOR

PUMP SCHEDULE										
NO.	LOCATION	SERVICE	GPM	HEAD FT WATER	MOTOR				TYPE	DESIGN MAKE
					HP	VOLTAGE	PHASE	RPM		
PP-1	ROOM 29	SEWAGE	40	85	2	208-230	1	3250	SEWAGE	LIBERTY 1100/LE102A DUPLEX

PLUMBING SYMBOL LIST	
SYMBOL	DESCRIPTION
NTS	NOT TO SCALE
(E)	EXISTING
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
VTR	VENT THRU ROOF
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
(E)	EXISTING PIPING
●	COLD WATER PIPING (CW)
●●	HOT WATER PIPING (HW)
SAN	SANITARY SEWER PIPING
IW	INDIRECT WASTE PIPING (IW)
---	VENT PIPING
→	ELBOW DOWN
↗	45° OFFSET
↑	ELBOW UP
○	BOTTOM/TEE CONNECTION
⊥	TOP TEE CONNECTION
⊙	"P" TRAP
→	PIPE CONTINUATION
→	CAP OR PLUG
⊖	DECK PLATE CLEANOUT (DPCO)
⊖	WALL PLATE CLEANOUT (WPCO)
⊖	CLEANOUT (CO)
●	SHUT OFF VALVE

PLUMBING GENERAL NOTES	
#	Note
A	THESE NOTES ARE APPLICABLE TO THE FULL SET OF CONTRACT DRAWINGS
B	EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE. THE LOCATIONS SHOWN MUST BE CONSIDERED APPROXIMATE. OTHER SUCH WORK MAY EXIST, HOWEVER LOCATION AND SIZE ARE NOT PRESENTLY KNOWN.
C	WHEN EXISTING CONSTRUCTION IS DAMAGED BY WORK BY THIS CONTRACTOR, REPAIR AND/OR REPLACE WITH SIMILAR MATERIALS AS MUCH AS POSSIBLE. SUBJECT TO ARCHITECTS APPROVAL.
D	DISPOSE OF ALL DEMOLITION AND/OR OTHER WASTE MATERIALS CAUSE BY WORK OF THIS CONTRACTOR. LEGALLY DISPOSE ALL MATERIALS TO A LOCATION OFF SITE.
E	COORDINATE AND SCHEDULE WORK AND SHUTDOWNS WITH THE OWNER AND OTHER TRADES PRIOR TO DEMOLITION.
F	ALL EXISTING PIPING TO REMAIN SHALL BE RECONNECTED TO ACTIVE SERVICE PIPING.
G	ALL PIPING TO BE REMOVED SHALL BE REMOVED BACK TO ACTIVE SERVICE PIPING AND CAPPED. VALVE AND CAP ALL WATER PIPING. REMOVE ALL INACTIVE PIPING UNLESS OTHERWISE NOTED.
H	ALL PIPING TO BE REMOVED AND IN A WALL TO REMAIN MAY BE ABANDONED IN PLACE UNLESS NOTED.
I	PATCH HOLES IN EXISTING CONSTRUCTION LEFT BY THE REMOVAL OF PIPING OR EQUIPMENT WITH MATERIALS TO MATCH EXISTING CONSTRUCTION. MAINTAIN FIRE SMOKE RATING.
J	DEMOLITION SHALL INCLUDE, BUT NOT LIMITED TO: PIPING, VALVES, FIXTURES, EQUIPMENT, HANGERS, SUPPORTS AND INSULATION, EXCEPT ASBESTOS.
K	REMOVE EXISTING CONSTRUCTION IN THE WAY OF NEW WORK. PROTECT BUILDINGS AND FURNISHINGS FROM DAMAGE.
L	WHERE NEW WORK IS TO BE INSTALLED ABOVE AN EXISTING CEILING, PROVIDE FOR THE REMOVAL OF THE CEILING. UPON COMPLETION OF WORK, REPAIR ALL DAMAGED CEILING SURFACES, REPLACE ALL DAMAGED TILES.
M	SLEEVE AND SEAL ALL WALL AND FLOOR PENETRATIONS. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS.
N	MAINTAIN SERVICE CLEARANCES OF ALL EQUIPMENT. ADVISE OTHER TRADES OF REQUIRED CLEARANCES.
O	PROVIDED FOR THE DRAINAGE AND REFILLING OF PIPING SYSTEMS, INCLUDING AIR REMOVAL, RESETTNG OF FLUSH VALVES, FLUSHING SYSTEMS OF DIRT AND SCALE CAUSED BY SHUTDOWNS AND STARTUPS.
P	REFER TO EQUIPMENT/FIXTURE SCHEDULE FOR FINAL CONNECTION SIZES.
Q	MINIMUM SIZE OF WASTE PIPING BELOW SLAB SHALL BE 3" EXCEPT PIPING SERVING FLOOR DRAINS SHALL BE 4". MINIMUM SIZE OF VENT PIPING BELOW SLAB SHALL BE 2" UNLESS NOTED OTHERWISE.

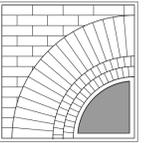
P101 DRAWING NOTES

- 2" PUMP DISCHARGE FROM BELOW. PROVIDE UNION, CHECK VALVE AND ISOLATION VALVE IN VERTICAL PIPING
- EXISTING 4" BUILDING SEWER EXIT FROM BUILDING
- EXISTING 4" SANITARY
- 2" VENT UP. CONNECT TO EXISTING VENT RISER IN CHASE ABOVE
- 2" VENT RISE FROM PUMP BASIN
- DUPLEX PUMP CONTROLLER AND VISUAL ALARM
- 1-1/2" SANITARY IN WALL; 1/2" HOT AND COLD WATER DROP DOWN TO FAUCET SUPPLIES
- 1-1/2" SANITARY IN WALL, 2" SANITARY DOWN, 2" VENT RISE; 1/2" HOT AND COLD WATER DROP DOWN TO FAUCET SUPPLIES
- 1-1/2" SANITARY IN WALL, 2" SANITARY DOWN, 1-1/2" VENT RISE; 1/2" HOT AND COLD WATER DROP DOWN TO FAUCET SUPPLIES
- 3" SANITARY FROM WC, 2" VENT RISE; 1" COLD WATER DROP
- 1" COLD WATER DROP DOWN TO WATER SUPPLIES FOR WATER CLOSET

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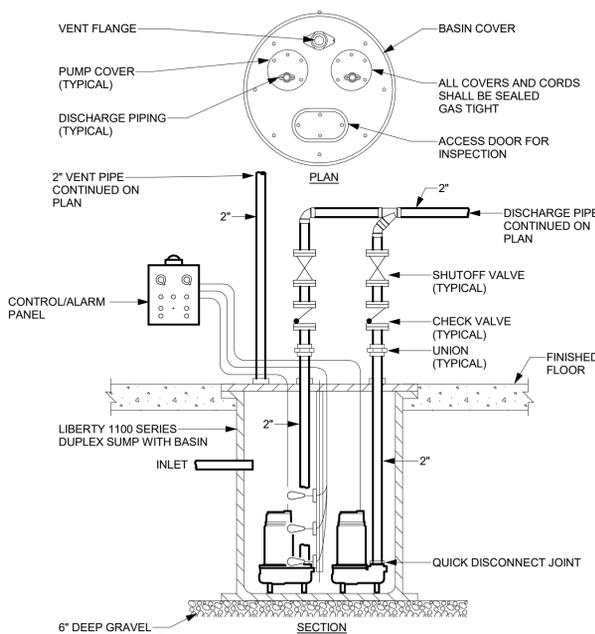
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SCALE: As indicated
JOB NO.: 22-48-09
DATE: 9/1/2023

**PLUMBING
PLAN**

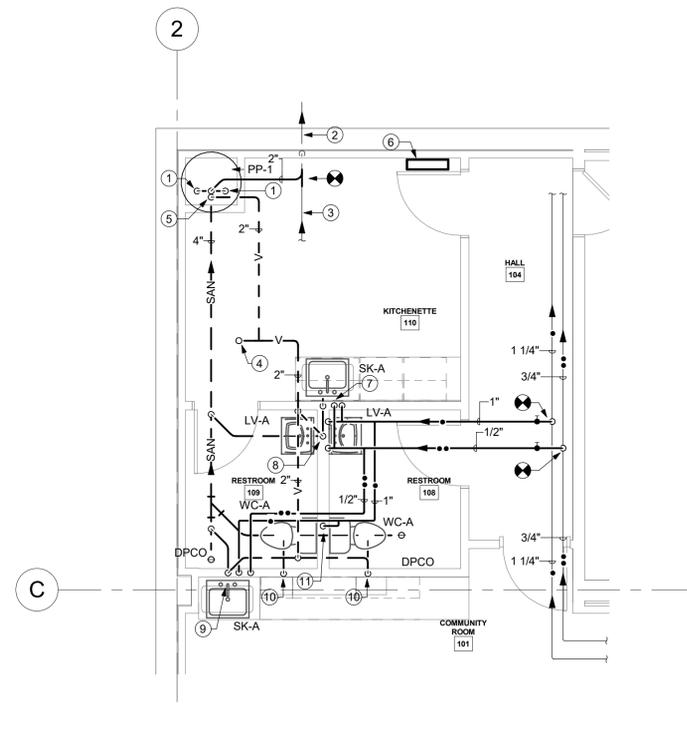
TITLE

P101

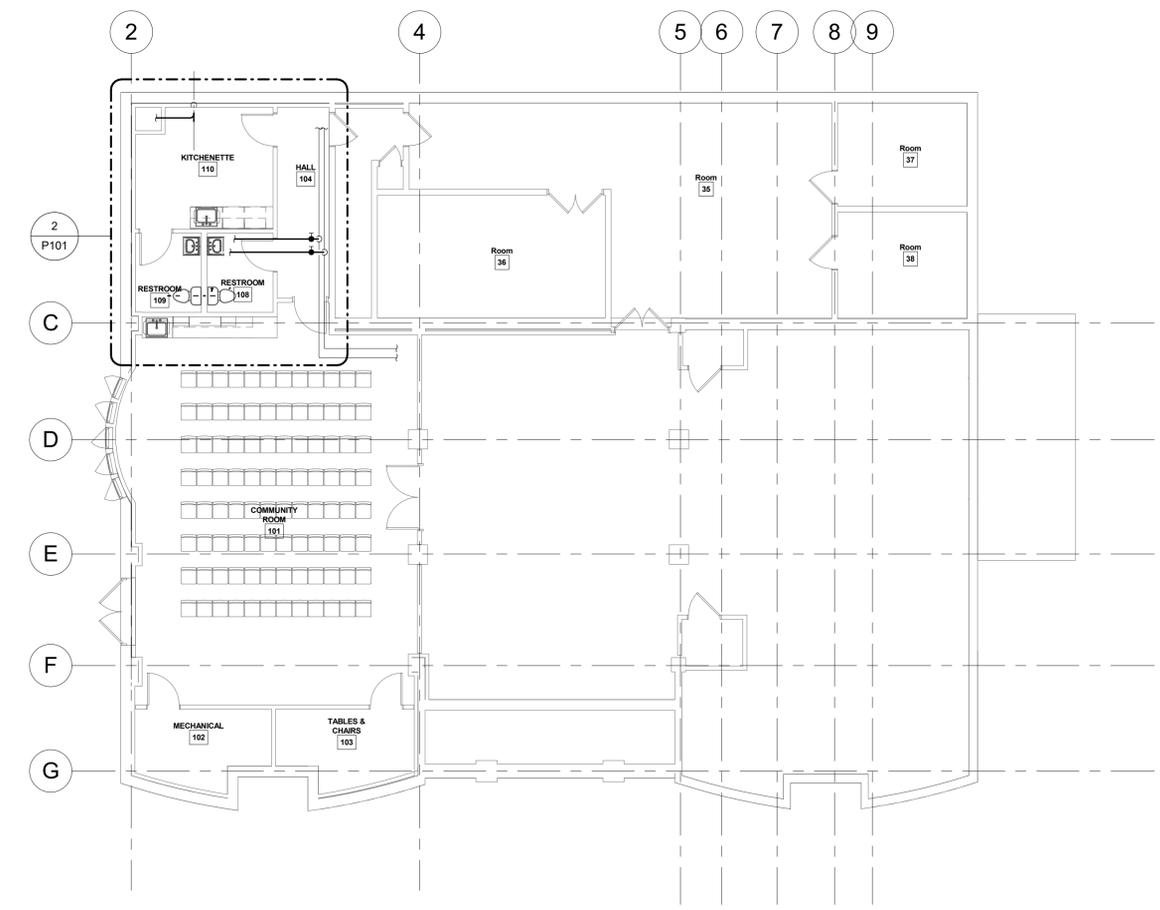
DWG. NO.



3 DUPLEX SEWAGE EJECTOR DETAIL - SUBMERSIBLE
NOT TO SCALE



2 ENLARGED RESTROOMS PLUMBING PLAN
1/4" = 1'-0"



1 LOWER LEVEL PLUMBING PLAN
1/8" = 1'-0"

GENERAL NOTES:

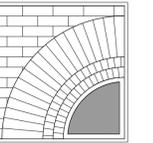
- A. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL DRAWINGS WITHIN DIVISION 23.
- B. COORDINATE WORK OF DIVISION 23 WITH THAT OF OTHER SECTIONS.
- C. READ SPECIFICATIONS FOR REQUIREMENTS PERTAINING TO THESE DOCUMENTS.
- D. FITTINGS SHOWN ARE TO BE PROVIDED. NO SUBSTITUTES SHALL BE ALLOWED WITHOUT PRIOR CONSENT FROM ARCHITECT/ENGINEER.
- E. INSTALL DUCTWORK AND PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE.
- F. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AND DUCTS (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- G. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND ALL DIMENSIONS BEFORE FABRICATION.
- H. ALL MATERIAL AND EQUIPMENT SHALL BE NEW.
- I. INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS AND LOCAL, STATE, AND NATIONAL CODES.
- J. MECHANICAL CONTRACTOR SHALL PROVIDE ALL PENETRATIONS THROUGH WALLS, FLOORS AND ROOFS NECESSARY FOR INSTALLATION OF MECHANICAL SYSTEMS. DO NOT DRILL, CORE OR CUT ANY PORTION OF COLUMNS, BEAMS, JOISTS OR BRIDGING RIBS.
- K. MECHANICAL CONTRACTOR TO PROVIDE CUSTOM COLOR SELECTION FOR WALL CAPS, ROOF JACKS, VENT TERMINATIONS & LOUVERS. ARCHITECT TO SELECT COLOR OF EQUIPMENT.
- L. PROVIDE INSULATED REFRIGERANT PIPING BETWEEN EACH FAN COIL UNIT & HEAT PUMP UNIT. PIPING SHALL BE SIZED AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. CAULK & SEAL REFRIGERANT PIPE PENETRATION THRU EXTERIOR WALL, WEATHER-TIGHT.
- M. COORDINATE FINAL DUCTWORK ROUTING & FITTINGS WITH APPROVED TRUSS DESIGN. MODIFY LAYOUT AS NECESSARY TO ROUTE DUCTWORK THRU TRUSS WEBS.
- N. REFER TO MANUFACTURER'S INSTRUCTIONS FOR SIZING & INSTALLATION OF REFRIGERANT PIPING IN "LONG LINE" APPLICATIONS.
- O. PROVIDE MASTIC SEALANT ON ALL JOINTS, LONGITUDINAL & TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK. MASTIC SEALANT SHALL BE LISTED & LABELED IN ACCORDANCE WITH UL 181A OR UL 181B. DUCTWORK SHALL BE INSPECTED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF INSULATION. SEALANT SHALL BE LOW VOC.
- P. WALL CAPS & ROOF JACKS SHALL BE CORROSION RESISTANT GALVANIZED STEEL WITH BIRD SCREEN AND BACK DRAFT DAMPER. CUSTOM COLOR SELECTION BY ARCHITECT.
- Q. MOUNTING HEIGHT FOR THERMOSTATS SHALL BE 48" TO TOP OF COVER, ABOVE FINISHED FLOOR.
- R. MAINTAIN A MINIMUM 36" CLEARANCE BETWEEN SUPPLY DIFFUSERS/ REGISTERS AND SMOKE DETECTORS.
- S. COORDINATE DUCTWORK ROUTING AND INSTALLATION WITH OTHER TRADES.
- T. OR IN-UNIT DEVICES (THERMOSTATS), REFER TO ARCHITECTURAL & ELEVATION PLANS FOR EXACT LOCATIONS & HEIGHTS. COORDINATE 1' DISTANCE FROM EDGE OF WALL.
- U. CONTRACTOR SHALL PROVIDE REFRIGERANT CHARGE TEST CERTIFICATION. CHARGE TEST TO BE PREFORMED BY A QUALIFIED TECHNICIAN.

HVAC SYMBOL LIST			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING WORK TO BE REMOVED	A	COMPRESSED AIR
	POINT OF CONNECTION	V	VENT
	POINT OF DISCONNECTION	BBD	BOILER BLOW DOWN
	DRAWING KEYNOTE	CS	CONDENSER WATER SUPPLY
	DEMOLITION KEYNOTE	CR	CONDENSER WATER RETURN
	THOUSAND BTU/HOUR	CWS	CHILLED WATER SUPPLY
	NOT TO SCALE	CWR	CHILLED WATER RETURN
	EXISTING	D	DRAIN
	ACOUSTIC THERMAL LINING - 1-1/2" THICK	FOF	FUEL OIL FILL
	ACOUSTIC THERMAL LINING - 2" THICK	FOG	FUEL OIL GAUGE
	DOUBLE WALL LINED DUCT	FOS	FUEL OIL SUPPLY
	FEET PER MINUTE	FOR	FUEL OIL RETURN
	CUBIC FEET PER MINUTE	FOV	FUEL OIL TANK VENT
	ACCESS DOOR	G	GAS
	WALL TO WALL	GS	GLYCOL SUPPLY
	GENERAL CONTRACTOR	GR	GLYCOL RETURN
	MECHANICAL CONTRACTOR	HPWS	HEAT PUMP WATER SUPPLY
	PLUMBING CONTRACTOR	HPWR	HEAT PUMP WATER RETURN
	ELECTRICAL CONTRACTOR	HWS	HOT WATER SUPPLY
	NORMALLY OPEN	HWR	HOT WATER RETURN
	NORMALLY CLOSED	LPS	LOW PRESSURE STEAM
	FLEXIBLE DUCTWORK	LPC	LOW PRESSURE CONDENSATE
	DUCT SECTION - FLAT OVAL (FO)	MPS	MEDIUM PRESSURE STEAM
	ROUND DUCT - IN INCHES	MPC	MEDIUM PRESSURE CONDENSATE
	DUCT SECTION - SUPPLY	HPS	HIGH PRESSURE STEAM
	DUCT SECTION - RETURN	HPC	HIGH PRESSURE CONDENSATE
	WIDTH A x DEPTH B	PC	PUMPED CONDENSATE
	TRANSITION SQUARE TO ROUND	RD	REFRIGERANT DISCHARGE
	RISE IN DUCT - IN DIRECTION OF AIRFLOW	RL	REFRIGERANT LIQUID
	DROP IN DUCT - IN DIRECTION OF AIRFLOW	RS	REFRIGERANT SUCTION
	SUPPLY DUCT TURNING UP OR DOWN	HG	HOT GAS
	RETURN DUCT TURNING UP OR DOWN	VAC	VACUUM
	SUPPLY/RETURN RECTANGULAR MAIN RECTANGULAR BRANCH	CW	DOMESTIC COLD WATER
	SUPPLY/RETURN RECTANGULAR MAIN ROUND BRANCH	TD	TRIPLE DUTY VALVE
	SUPPLY/RETURN ROUND MAIN ROUND BRANCH	GV	GLOBE VALVE
	CONICAL TEE	BV	BALL VALVE
	LATERAL	GV	GATE VALVE
	MITERED ELBOW WITH TURNING VANES	CV	CONTROL VALVE
	SUPPLY DIFFUSER, REGISTER OR GRILLE	3WCV	THREE WAY CONTROL VALVE
	RETURN REGISTER	CV	CHECK VALVE
	EXHAUST GRILLE	BV	BALANCING VALVE
	FIN TUBE RADIATION	BFV	BUTTERFLY VALVE
	VALANCE	RV	RELIEF VALVE
	REGISTER, GRILLE OR DIFFUSER TAG	PRV	PRESSURE REDUCING VALVE
	FIN TUBE RADIATION TAG	PLUG	PRESSURE/TEMPERATURE TEST PLUG
	VALANCE TAG	SLIP	SINGLE LINE PIPE CONTINUED
	REGISTER, GRILLE OR DIFFUSER TAG	DLR	DOUBLE LINE PIPE OR ROUND DUCT CONTINUED
	FIN TUBE RADIATION TAG	DLR	DOUBLE LINE RECTANGULAR DUCT CONTINUED
	VALANCE TAG	AF	AIR FLOW
	REGISTER, GRILLE OR DIFFUSER TAG	PA	PIPE ANCHOR
	FIN TUBE RADIATION TAG	PG	PIPE GUIDE
	VALANCE TAG	EC	EXPANSION COMPENSATOR WITH GUIDES
	REGISTER, GRILLE OR DIFFUSER TAG	PEL	PRE-FAB EXPANSION LOOP
	FIN TUBE RADIATION TAG	ST	STRAINER
	VALANCE TAG	PG	PRESSURE GAUGE
	REGISTER, GRILLE OR DIFFUSER TAG	TM	THERMOMETER
	FIN TUBE RADIATION TAG	U	UNION
	VALANCE TAG	AV	AIR VENT
	REGISTER, GRILLE OR DIFFUSER TAG	TT	THERMOSTATIC TRAP
	FIN TUBE RADIATION TAG	FT	FLOAT & THERMOSTATIC TRAP
	VALANCE TAG	TD	THERMODYNAMIC TRAP
	REGISTER, GRILLE OR DIFFUSER TAG	BT	BUCKET TRAP
	FIN TUBE RADIATION TAG	DF	DIRECTION OF FLOW
	VALANCE TAG	R	REDUCER
	REGISTER, GRILLE OR DIFFUSER TAG	CP	CAP OR PLUG
	FIN TUBE RADIATION TAG	ED	ELBOW DOWN
	VALANCE TAG	EU	ELBOW UP
	REGISTER, GRILLE OR DIFFUSER TAG	BT	BOTTOM TAP
	FIN TUBE RADIATION TAG	AAD	AUTOMATIC AIR DAMPER
	VALANCE TAG	FD	FIRE DAMPER
	REGISTER, GRILLE OR DIFFUSER TAG	SD	SMOKE DAMPER
	FIN TUBE RADIATION TAG	BDD	BACK DRAFT DAMPER
	VALANCE TAG	FC	FLEX CONNECTOR - DUCTWORK
	REGISTER, GRILLE OR DIFFUSER TAG	M	MOTORIZED DAMPER
	FIN TUBE RADIATION TAG	BG	BLAST GATE
	VALANCE TAG	V	VOLUME DAMPER
	REGISTER, GRILLE OR DIFFUSER TAG	SD	SUCTION DIFFUSER
	FIN TUBE RADIATION TAG	FC	FLEXIBLE CONNECTOR - PIPING
	VALANCE TAG	RV	DRAIN VALVE WITH HOSE CONNECTION, CAP AND CHAIN
	REGISTER, GRILLE OR DIFFUSER TAG	FS	WATER FLOW SENSOR
	FIN TUBE RADIATION TAG	TS	WATER TEMPERATURE SENSOR
	VALANCE TAG	SP	STATIC PRESSURE SENSOR
	REGISTER, GRILLE OR DIFFUSER TAG	H	HUMIDISTAT
	FIN TUBE RADIATION TAG	S	TEMPERATURE SENSOR
	VALANCE TAG	C	CARBON DIOXIDE SENSOR
	REGISTER, GRILLE OR DIFFUSER TAG	G	GAS SENSOR
	FIN TUBE RADIATION TAG	T	PNEUMATIC/ELECTRIC THERMOSTAT
	VALANCE TAG	TG	THERMOSTAT/SENSOR WITH GUARD
	REGISTER, GRILLE OR DIFFUSER TAG	SD	DUCT SMOKE DETECTOR

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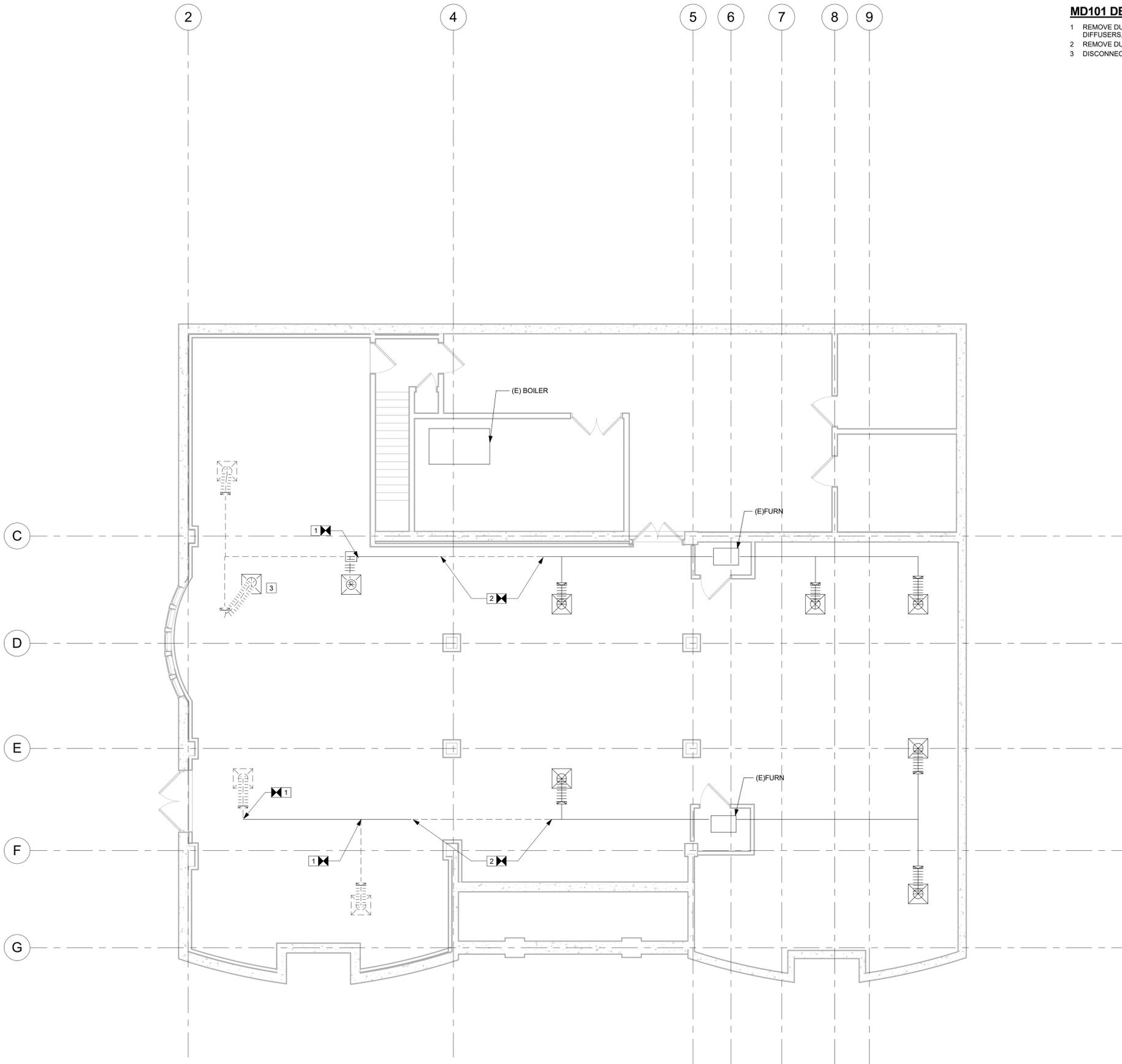
DWN. BY: HSK
SCALE: 1/8" = 1'-0"
JOB NO.: 22-48-09
DATE: 09/01/2023

**GENERAL
NOTES,
SYMBOL LIST
&
ABBREVIATIONS**

TITLE

M001

DWG. NO.



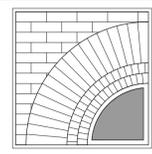
MD101 DEMOLITION NOTES

- 1 REMOVE DUCTWORK BACK TO THIS LOCATION AND CAP AIR TIGHT, INCLUDING DIFFUSERS, HANGERS AND ALL ACCESSORIES.
- 2 REMOVE DUCTWORK BETWEEN DISCONNECT SYMBOLS. CAP DUCTWORK AIR TIGHT.
- 3 DISCONNECT EXISTING DIFFUSER FOR RECONNECTION.

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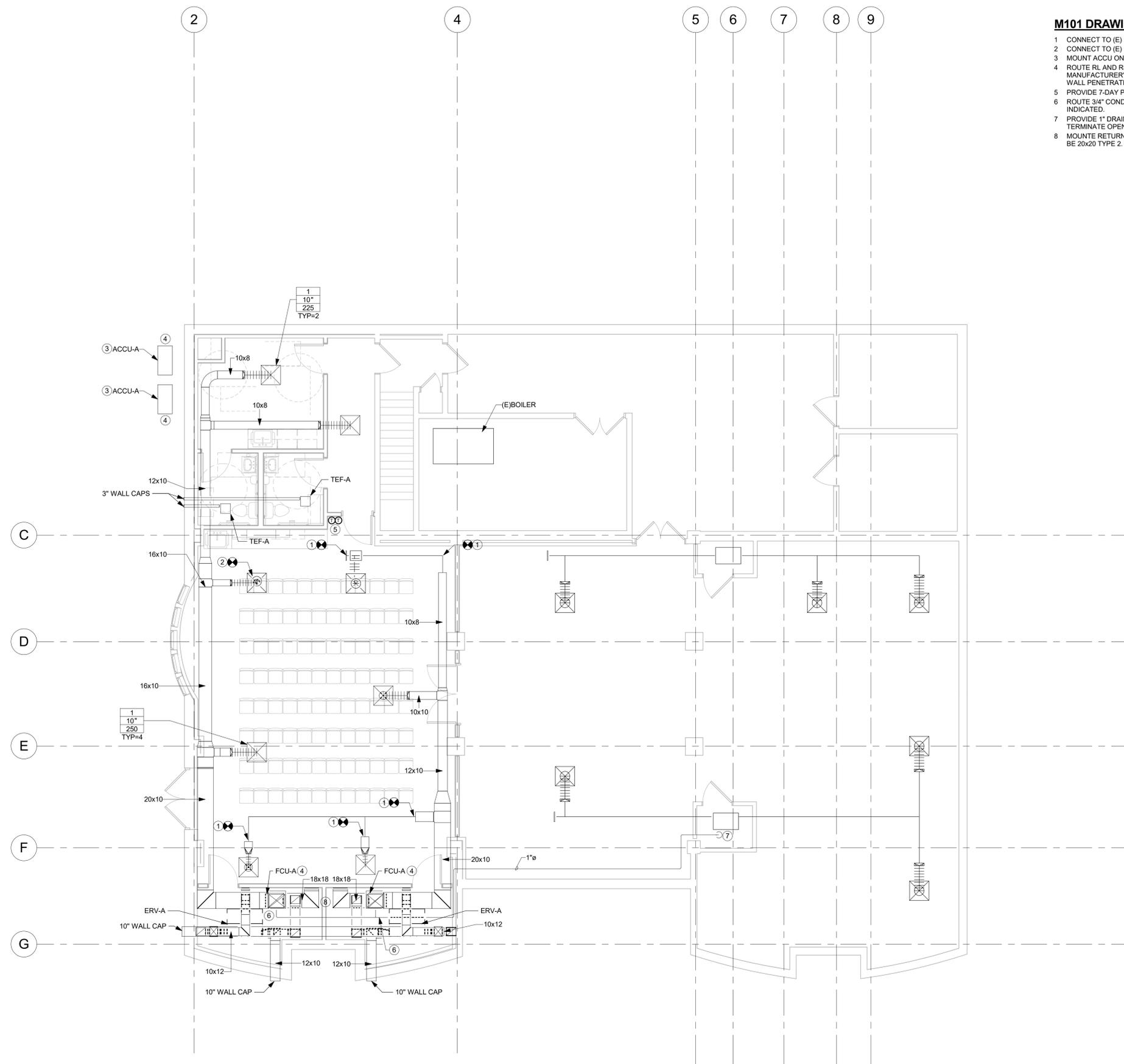
DWN. BY: HSK
SCALE: 3/16" = 1'-0"
JOB NO.: 22-48-09
DATE: 09/01/2023

**HVAC -
BASEMENT
DEMOLITION
PLAN**

TITLE

MD101
DWG. NO.

1 LOWER LEVEL - DEMO PLAN
3/16" = 1'-0"



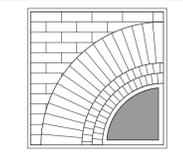
M101 DRAWING NOTES

- 1 CONNECT TO (E) DUCT AT THIS LOCATION.
- 2 CONNECT TO (E) DIFFUSER AT THIS LOCATION. BALANCE TO 250 CFM.
- 3 MOUNT ACCU ON 6" THICK CONCRETE PAD PER DETAIL 3/M501.
- 4 ROUTE RL AND RS FROM INDOOR FCU TO OUTDOOR ACCU. SIZE PIPING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. ROUTE PIPING ABOVE CEILING. SEAL WALL PENETRATION WEATHER TIGHT.
- 5 PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT AT THIS LOCATION. WIRE BACK TO FCU.
- 6 ROUTE 3/4" CONDENSATE DRAIN FROM FCU CONDENSATE PUMP TO LOCATION INDICATED.
- 7 PROVIDE 1" DRAIN DOWN TO 2" ABOVE FLOOR AND ROUTE TO ABOVE FLOOR DRAIN. TERMINATE OPEN ENDED.
- 8 MOUNT RETURN GRILLE ON WALL 6" ABOVE FINISHED FLOOR. RETURN GRILLE SHALL BE 20x20 TYPE 2. GRILLE SHALL BE DUCTED BACK TO FCU-A INTAKE.

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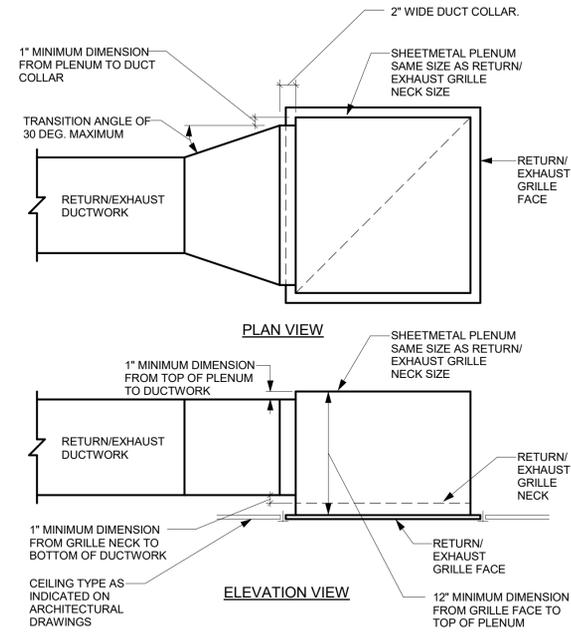
DWN. BY: Author
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JOB NO.: 22-48-09
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**HVAC -
BASEMENT
PLAN**

TITLE

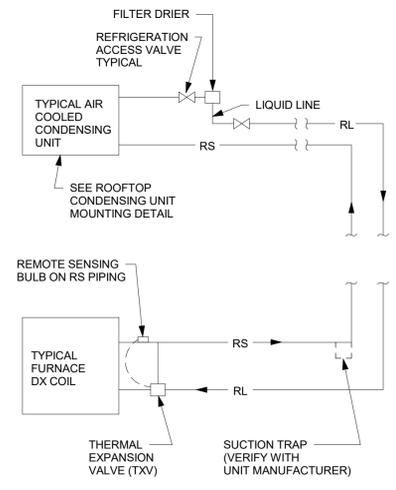
M101
DWG. NO.

1 LOWER LEVEL - PLAN
3/16" = 1'-0"



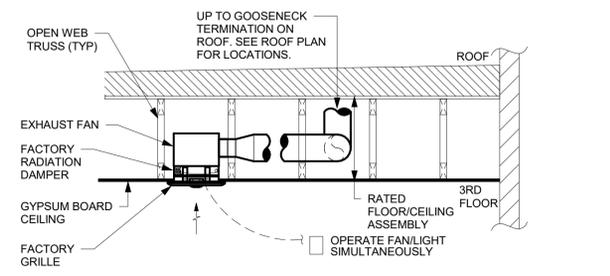
- DETAIL NOTES:
- A. PAINT INSIDE OF PLENUM BOX FLAT BLACK IF INTERNAL SOUND LINING IS NOT SPECIFIED.
 - B. ALSO APPLICABLE TO REGISTERS.

1 RETURN/EXHAUST GRILLE PLENUM DETAIL - DUCTED
NOT TO SCALE



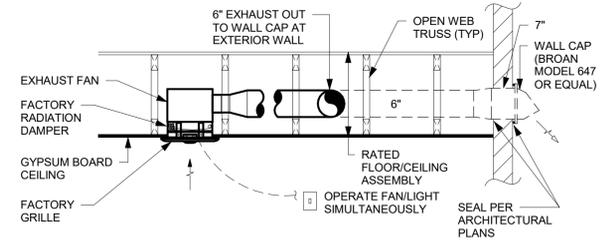
- DETAIL NOTES:
- A. CONFIRM REFRIGERANT LINE LENGTHS WITH MANUFACTURER FOR EACH SYSTEM.
 - B. VERIFY THE REQUIREMENT FOR A SUCTION LINE TRAP AT THE BASE OF THE REFRIGERANT SUCTION (RS) LINE WITH THE MANUFACTURER.
 - C. THIS DETAIL IS INTENDED TO SHOW THE GENERAL SYSTEM COMPONENTS. THE SYSTEM SHALL BE PIPED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

3 DX PIPING CONNECTIONS DETAIL - CONDENSING UNIT ABOVE EVAPORATOR COIL
NOT TO SCALE



NOTE: PROVIDE SHEETMETAL DUCTWORK. NO FLEXIBLE DUCTWORK PERMITTED.

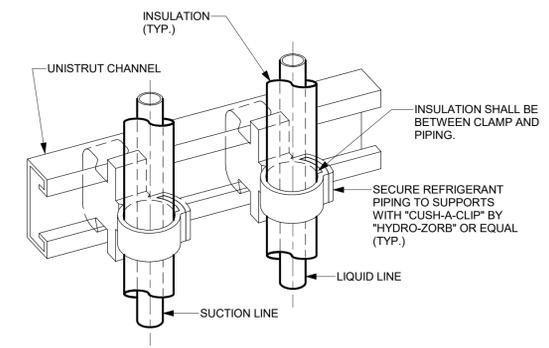
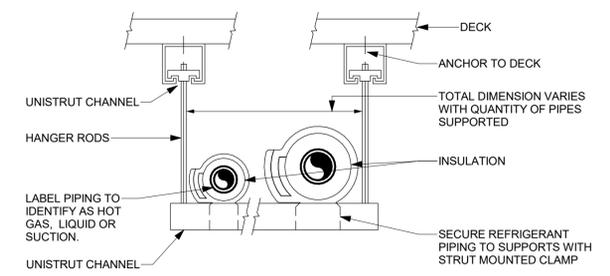
EXHAUST FAN MOUNTED IN RATED ASSEMBLY - THIRD FLOOR



NOTE: PROVIDE SHEETMETAL DUCTWORK. NO FLEXIBLE DUCTWORK PERMITTED.

EXHAUST FAN MOUNTED IN RATED ASSEMBLY - LOWER FLOORS

2 TYPICAL EXHAUST FAN MOUNTING DETAIL
NOT TO SCALE

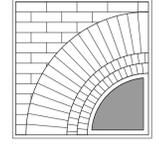


4 REFRIGERANT PIPE SUPPORT DETAIL
NOT TO SCALE

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**MECHANICAL
DETAILS**

TITLE

M501
DWG. NO.

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE - HEAT PUMP TYPE

UNIT NO.	INDOOR	OUTDOOR	LOCATION		INDOOR UNIT	OUTDOOR UNIT										EAT (DEG. F)		SOUND PRESSURE (dBA)		HEATING (6 DEG F)		EFFICIENCY		FILTER MERV RATING	MANUFACTURER & MODEL No.		REMARKS				
			INDOOR	OUTDOOR		UNIT TYPE	AIR FLOW (CFM)	COOLING CAPACITY (BTUH)	MINIMUM CAPACITY (BTUH)	DB	WB	VOLTS	PHASE	MCA	FAN FLA	SOUND PRESSURE (dBA)	REFRIGERANT	VOLTS	PHASE	MCA	FAN FLA	BREAKER SIZE (AMPS)	DB		WB	PRESSURE (dBA)		RATED CAPACITY (MBTUH)	MAXIMUM CAPACITY (MBTUH)	MINIMUM (COP)	MINIMUM (SEER)
FCU-A		ACCU-A	GRADE	ROOF	VERTICAL AHU	1040	42000	17000	80	67	208	1	5.5	4.5	44	R-410A	208	1	36	0.4	95.0	75.0	51	48	38.4	1.9	15.4	-	mitsubishi PVAA42AA7	mitsubishi PUZHA42NKA1	1, 2

- REMARKS:
 1. CONDENSATE PUMP.
 2. PROVIDE 7 DAY PROGRAMMABLE THERMOSTAT.

PACKAGED ENERGY RECOVERY VENTILATION UNIT SCHEDULE - STATIC PLATE CORE HEAT EXCHANGER

UNIT NO.	LOCATION	SERVICE	MODE	SUPPLY FAN		EXHAUST FAN		ELECTRICAL CHARACTERISTICS				TOTAL EFF. (%)	PERFORMANCE CONDITIONS								FILTER MERV RATING	MANUFACTURER & MODEL No.	REMARKS
				AIR FLOW (CFM)	E.S.P. (In. WC)	AIR FLOW (CFM)	E.S.P. (In. WC)	VOLTS	PHASE	MCA	MOP		O.A. DB	O.A. WB	R.A. DB	R.A. WB	S.A. DB	S.A. WB	E.A. DB	E.A. WB			
ERV-A	VARIOUS	MULTIPURPOSE	SUMMER	85	0.75	85	0.75	120	1	10.1	15	54.4	91.4	73.8	75.0	62.5	79.5	68	---	---	8/8	RENEWAIRE EV PREMIUM S	1
			WINTER	85	0.75	85	0.75	120	1	10.1	15	71.3	1.7	0.4	70.0	51.4	51.4	40.2	---	---			

- REMARKS:
 1. INTERLOCK WITH FCU-A OPERATION.

FAN SCHEDULE

UNIT NO.	LOCATION	SERVICE	FAN CHARACTERISTICS				MOTOR CHARACTERISTICS								MANUFACTURER & MODEL NO.	REMARKS	
			TYPE	BLADE TYPE	CFM	S.P. (In. WC)	FAN RPM	SONES	DRIVE	WATTS	HP	VOLTS	HZ	PHASE			STARTER
TEF-A	VARIOUS	EXHAUST	CLG	FC	80	0.1	---	0.3	DIRECT	(7.0)	---	120	60	1	INCLUDED	PANASONIC WHISPERGREEN SELECT FV-05-11VKSL1	2,3,4,5,6,7

- REMARKS:
 1. TWO SPEED, CONTINUOUS OPERATION. SET LOW SPEED FOR 35 CFM.
 2. TWO SPEED, CONTINUOUS OPERATION. SET LOW SPEED FOR 25 CFM.
 3. DC BRUSHLESS MOTOR
 4. BACKDRAFT DAMPER
 5. PROVIDE WITH FACTORY LED LIGHT KIT
 6. PROVIDE WITH A MOTION SENSOR
 7. PROVIDE WITH FACTORY RADIATION DAMPERS

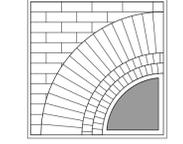
REGISTER GRILLE AND DIFFUSER SCHEDULE

TYPE	APPLICATION	MATERIAL	FINISH	MANUFACTURER & MODEL NO.	REMARKS
1	SUPPLY	STEEL	WHITE	TITUS MODEL OMNI	
2	SUPPLY	STEEL	WHITE	TITUS MODEL 272-RL/RS	
3	SUPPLY	STEEL	WHITE	CONTINENTAL 32	
A	RETURN/EXHAUST	STEEL	WHITE	TITUS MODEL 350/355-RL/RS	
B	RETURN/EXHAUST	ALUMINUM	ANODIZED	CONTINENTAL G35	
C	TRANSFER	ALUMINUM	ANODIZED	LIMA MODEL 700	

Issued for Bidding 9/12/2023

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**Phase 1 Interior
Improvements to the
Lower Level
for the**

**The
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11 Town Center Boulevard
Hopewell Junction, NY 12533

PROJECT



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Reg. Exp: 05/31/2024
Cert. of Auth: 0018443

CALLLED NORTH

DWN. BY: HSK
SCALE:
JOB NO.: 22-46-09
DATE: 09/01/2023

**HVAC
SCHEDULES**

TITLE

M601
DWG. NO.

GENERAL NOTES

(APPLY TO ALL DRAWINGS):

- A. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES TO PERFORM ALL OPERATIONS REQUIRED FOR THE COMPLETE INSTALLATION AND RELATED WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- B. PROVIDE ALL ELECTRICAL EQUIPMENT CONNECTIONS.
- C. PROVIDE ALL REQUIRED SUPPORTS AND ACCESSORIES.
- D. PROVIDE ALL WORK IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE LATEST EDITION OF THE:
 1. BUILDING CODE OF NEW YORK STATE
 2. ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
 3. OSHA REQUIREMENTS
 4. LOCAL MUNICIPAL ORDINANCES AND CODES
 5. AUTHORITY HAVING JURISDICTION (AHJ)
 6. SERVING UTILITY COMPANIES
- E. PROVIDE ELECTRICAL INSPECTION CERTIFICATE FROM INSPECTION AGENCY RECOGNIZED AS ACCEPTABLE FROM THE AHJ.
- F. ALL RECEPTACLES INDICATED AS GFI TYPE MUST BE A GFI RECEPTACLE. CONNECTING NORMAL RECEPTACLES DOWNSTREAM OF ONE GFI RECEPTACLE IS NOT ACCEPTABLE. PROVIDE TEMPORARY ELECTRICAL SERVICE IN SIZES TO ACCOMMODATE CONSTRUCTION WHERE REQUIRED.
- G. REPAIR OR REPLACE ALL DEFECTS IN MATERIAL OR WORKMANSHIP WITHIN ONE YEAR OF CONSTRUCTION CLOSE OUT DATE AT NO ADDITIONAL COST TO THE OWNER.
- H. PERFORM ALL OPERATIONS REQUIRED FOR A COMPLETE SYSTEM TEST. PRIOR TO CLOSE OUT DATE SUBMIT ALL SATISFACTORY SYSTEM TEST RESULTS FOR RECORD.
- J. SUBMITTALS:
 1. ALL ITEMS OF EQUIPMENT AND MATERIALS PROVIDED SHALL BE SUBMITTED FOR ENGINEERING REVIEW.
 2. SUBMIT A MINIMUM OF THREE COPIES OF SHOP DRAWINGS/PRODUCT DATA INFORMATION.
- K. CONTRACTOR IS HERE BY CAUTIONED THAT ELECTRIC POWER CHARACTERISTICS (VOLTAGE, PHASE, HORSEPOWER, AMPERAGE, ETC.) OF EQUIPMENT IS BASED ON AVAILABLE INFORMATION AT THE TIME OF PROJECT DESIGN. CONTRACTOR MUST VERIFY CHARACTERISTICS FOR EACH PIECE OF NEW EQUIPMENT PRIOR TO ORDERING ELECTRICAL EQUIPMENT. INDICATE VERIFICATION ON SUBMITTALS.
- L. LOCATIONS INDICATED FOR LIGHTING FIXTURES ARE APPROXIMATE. LOCATE FIXTURES AS REQUIRED TO AVOID INTERFERENCE WITH BUILDING STEEL, PIPING, DUCTWORK, CONDUIT, DIFFUSERS, GRILLES, SPEAKERS, SMOKE DETECTORS, ETC. FIELD COORDINATE EXACT LOCATIONS AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. VERIFY COMPLIANCE WITH NEC ARTICLE 410.16 FOR INSTALLATION OF LIGHT FIXTURES IN CLOTHES CLOSETS, PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
- M. EXACT LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, EXIT SIGNS, ETC. SHALL BE COORDINATED WITH OTHER CEILING MOUNTED EQUIPMENT TO AVOID CONFLICT. LOCATE DEVICES AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. FIRE ALARM SMOKE AND HEAT DETECTORS SHALL BE LOCATED 3'-0" MINIMUM FROM HVAC DIFFUSERS, REGISTERS, GRILLES, ETC. SMOKE DETECTORS AT SMOKE DOORS MUST BE INSTALLED WITHIN 5'-0" OF THE DOORS (REFER TO NFPA 72).
- N. ALL NEW CIRCUITING SHALL BE CONCEALED (EXCEPT IN UNFINISHED SPACES). PROVIDE ALL CUTTING AND PATCHING AS REQUIRED.
- O. CONTRACTOR SHALL REVIEW ALL TRADES' CONTRACT DOCUMENTS TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR ELECTRICAL EQUIPMENT. COORDINATE EXACT MOUNTING LOCATIONS WITH THE ARCHITECT AND OTHER CONTRACTORS. REFER TO ARCHITECTURAL PLANS FOR CASEWORK LAYOUT, ELEVATIONS, ETC. COORDINATE WITH LOCATIONS OF ELECTRICAL DEVICES AND OUTLETS.
- P. EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS.
- Q. PROVIDE CONDUIT/WIRING (CIRCUITING) AND REQUIRED CONNECTIONS TO ALL DEVICES/ EQUIPMENT. CONNECT TO CIRCUIT(S) AS INDICATED.
- R. COORDINATE ALL WORK WITH OTHER TRADES; REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATING LOCATIONS.
- S. RE-INSTALL REMOVED SYSTEM DEVICES REMOVED AS A RESULT IN WALL, PARTITION OR CEILING REPLACEMENT WORK. PROVIDE POWER AND COMMUNICATION WALL AND PARTITION MOUNTED DEVICES AND RECONNECT TO EXISTING SYSTEMS. CLEAN EXISTING CEILING MOUNTED DEVICES. EXTEND EXISTING SYSTEM CIRCUITS AS REQUIRED FOR REINSTALLATION. COORDINATE WITH EXISTING SYSTEM MANUFACTURER.
- T. SLEEVE AND SEAL ALL WALL AND FLOOR PENETRATIONS. PROVIDE APPROPRIATE FIRE STOPPING FOR ALL PENETRATIONS.
- U. SHARED NEUTRAL SHALL NOT BE ALLOWED ON ANY BRANCH CIRCUITS. MAINTAIN SERVICE CLEARANCES OF ALL EQUIPMENT. ADVISE OTHER TRADES OF SERVICE CLEARANCES AND ENSURE NO SERVICES OR TRADES RUN THROUGH SERVICE AREA.
- V. ALL WIRING INDICATED ON PLANS IS TO BE COPPER WIRING UNLESS OTHERWISE NOTED.
- W. RATINGS TO MATCH THE RATING OF THE WALL/CEILING. UTILIZE FIRE RATED PUDDY PADS IN THESE LOCATIONS.
- X. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING OF RECEPTACLES IN AND NEAR ALL MILLWORK AND CABINETRY.
- Y. THE CONTRACTOR MUST FOLLOW FEDERAL AND STATE ELECTRICAL SAFETY PRACTICE INCLUDING LOCK OUT TAG OUT (LOTO). THE CONTRACTOR MUST AFFIX THEIR COMPANY'S INDIVIDUAL LOTO LOCKS AND TAGS TO CONTROL HAZARDOUS ENERGIES AND TO PREVENT INJURIES.
- Z. PROVIDE SURFACE MOUNTED BOXES AND SURFACE METAL RACEWAY FOR ALL DEVICES INDICATED TO BE INSTALLED ON EXISTING WALLS, UNLESS OTHERWISE NOTED; COLOR TO MATCH EXISTING WALL.
- AA. PROVIDE RECESSED BOXES AND RACEWAYS FOR ALL DEVICES INDICATED TO BE INSTALLED ON NEW WALLS, UNLESS OTHERWISE NOTED.

ABBREVIATIONS

ABBREV.	DESCRIPTION
A	AMPERE
AIC	AMPERE INTERRUPTING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AUTO	AUTOMATIC
AV	AUDIOVISUAL
AWG	AMERICAN WIRE GAUGE
BSMT	BASEMENT
CB	CIRCUIT BREAKER
CLG	CEILING
CU	COPPER
DN	DOWN
EA	EACH
EG	EQUIPMENT GROUND
ELEC	ELECTRIC
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EX	EXISTING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GIGND	GROUND
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
JB	JUNCTION BOX
KVA	KILOVOLT AMPERE
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LGT	LIGHTING
MC	METAL CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	MOUNTED OVER COUNTER
OH	OVERHEAD
PNL	PANEL
PH	PHASE
P	POLE
REFR	REFRIGERATOR
RMC	RIGID METAL CONDUIT
SP	SPACE
SPEC	SPECIFICATION
SW	SWITCH
TYP	TYPICAL
UC	MOUNTED UNDER COUNTER HEIGHT OR UNDERGROUND COMMUNICATION
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
V	VOLT
W	WIRE OR WATT
WP	WEATHERPROOF

BASIC MATERIALS AND METHODS

SYMBOL	DESCRIPTION
	GANGED DEVICES
	TWO PIECE PREWIRED SURFACE RACEWAY
	DIVIDABLE SURFACE RACEWAY WITH DEVICES AS INDICATED.
	JUNCTION BOX, NORMAL POWER
	TELEVISION MOUNTED DUPLEX RECEPTACLE IN 1-GANG OUTLET BOX WITH (1) COMMUNICATIONS 1-GANG OUTLET BOX WITH (1) 1" CONDUIT TO ABOVE ACCESSIBLE CEILING.
	DUPLEX RECEPTACLE. SUBSCRIPTS INDICATE TYPE: G - GROUND FAULT CIRCUIT INTERRUPTER MW - MICROWAVE DW - DISHWASHER R - REFRIGERATOR
	TWO DUPLEX RECEPTACLE, SINGLE COVER
	VIDEO PROJECTOR; PROVIDE (1)120V 20A DUPLEX RECEPTACLE FLUSH MOUNTED TO THE CEILING (PROJECTOR AND MOUNTING HARDWARE PROVIDED BY OTHERS)
	DOUBLE GANG COMMUNICATIONS BACKBOX W/ (1)1" CONDUIT TO ABOVE ACCESSIBLE CEILING
(E)	EXISTING TO REMAIN - INDICATES EXISTING ITEM SHALL REMAIN. MAINTAIN EXISTING ELECTRICAL CONNECTIONS UNLESS OTHERWISE NOTED.
(ER)	EXISTING TO BE RELOCATED - INDICATES EXISTING ITEM SHALL BE RELOCATED. DISCONNECT AND REMOVE, REINSTALL AT NEW LOCATION AND RECONNECT ITEM AS REQUIRED.
(X)	REFERENCE TO DRAWING NOTE
(X)	REFERENCE TO DEMOLITION NOTE
	EXISTING ELECTRICAL OR EQUIPMENT OR DEVICE, DASHED LIGHT LINE WEIGHT IS EXISTING TO BE REMOVED.
	EXISTING WIRING OR EQUIPMENT, SOLID LIGHT LINE WEIGHT IS EXISTING.
	HEAVY SOLID LINE WEIGHT IS NEW

GENERAL FIRE ALARM NOTES

(APPLY TO ALL DRAWINGS):

- A. THE CONTRACTOR SHALL PROVIDE A COMPLETE TEST OF THE EXISTING SYSTEM PRIOR TO MAKING MODIFICATIONS TO ASSESS THE CONDITION AND CAPABILITY OF DEVICES AND CIRCUITS TO BE REUSED. WHERE POSSIBLE, THE CONTRACTOR SHALL HAVE THE OPTION TO REUSE EXISTING DEVICES, BOXES AND WIRING.
- B. IN GENERAL, EXISTING INITIATION AND NOTIFICATION APPLICANCE CIRCUITS SHALL BE RETAINED AND EXTENDED TO THE NEW CONTROL PANEL FOR DEVICES IN AREAS UNAFFECTED BY THE SCOPE OF WORK. NEW DEVICES SHALL BE TIED INTO EXISTING CIRCUITS, OR NEW CIRCUITS SHALL BE PROVIDED AS REQUIRED TO PROVIDE A COMPLETE SYSTEM AS INDICATED.
- C. ALL WIRING SHALL BE COPPER, INSTALLED IN A DEDICATED/SEGREGATED EMT CONDUIT SYSTEM AND SHALL CONFORM TO THE NEC AND TO NFPA-72, NATIONAL FIRE ALARM CODE. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- D. THE COMPLETE FIRE ALARM SYSTEM SHALL BE FULLY TESTED AFTER THE WORK IS COMPLETE. TESTING SHALL INCLUDE ALL DEVICES, CONTROL PANEL, ANNUNCIATOR PANEL, OTHER PANELS, FEATURES AND FUNCTIONS. TESTING SHALL BE WITNESSED BY THE OWNER'S REPRESENTATIVE AND BE IN ACCORDANCE WITH THE NFPA. PROVIDE A TESTING REPORT TO THE AHJ AND THE ENGINEER AS A SUBMITTAL. REFER TO SPECIFICATION SECTION 283103.

POWER DISTRIBUTION AND CONTROL

SYMBOL	DESCRIPTION
PP-XX	208/120 [240/120] VOLT RECESSED PANELBOARD
PP-XX	208/120 [240/120] VOLT PANELBOARD
	ELECTRICAL CONNECTION. REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE FOR DESCRIPTION. LETTERS AND NUMBERS REFER TO "ITEM DESIGNATION" ON THE SCHEDULE.
	SINGLE POINT CONNECTION TO EQUIPMENT

LUMINAIRES

SYMBOL	DESCRIPTION
	LUMINAIRE. UPPER CASE LETTERS INDICATE FIXTURE TYPE ON SCHEDULE, LOWER CASE LETTER INDICATES CONTROL DESIGNATION.
	WALL MOUNTED LUMINAIRE. UPPER CASE LETTERS INDICATE FIXTURE TYPE ON SCHEDULE, LOWER CASE LETTER INDICATES CONTROL DESIGNATION.
	WALL MOUNTED EMERGENCY LUMINAIRE WITH BATTERY PACK
	CEILING MOUNTED EXIT LUMINAIRE
	WALL MOUNTED EXIT LUMINAIRE
	EXIT LUMINAIRE WITH EMERGENCY HEADS

GENERAL REMOVAL NOTES

(APPLY TO ALL DRAWINGS):

- A. DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT SHOWN TO BE REMOVED, OR REQUIRED TO BE REMOVED AS A RESULT OF EQUIPMENT/BUILDING DEMOLITION WORK. COORDINATE REQUIREMENT WITH GENERAL CONTRACTOR. REMOVE ALL ASSOCIATED BRANCH CIRCUIT AND CONTROL WIRING AND RACEWAYS. WHERE EXISTING DEVICES ARE NOT BEING REUSED, THEY AND THEIR ASSOCIATED WIRING SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCES (UNLESS OTHERWISE NOTED). DISCONNECT AND REMOVE ALL EMPTY AND ABANDONED RACEWAYS. CUT FLUSH WITH FLOOR OR WALL WHERE APPLICABLE AND PLUG CONDUIT WATERTIGHT. SEE FRONT END SPECS FOR "HOT WORK PERMIT" REQUIREMENTS.
- B. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE AND ARE NOT GUARANTEED ACCURATE. EC SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID.
- C. COORDINATE ALL WORK WITH OTHER TRADES.
- D. CUTTING, PATCHING AND FIRESTOPPING OF EXISTING BUILDING FINISHES AND ELEMENTS TO FACILITATE ELECTRICAL REMOVAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- E. PROVIDE A TEST PRIOR TO THE BEGINNING ELECTRICAL REMOVAL WORK, OF EACH AND EVERY SYSTEM AFFECTED BY THE WORK TO ASCERTAIN AND DOCUMENT PRE-CONSTRUCTION CONDITIONS OF EACH INDIVIDUAL DEVICE ON EACH SYSTEM. SYSTEMS AND DEVICES WHICH ARE UNTESTED WILL BE ASSUMED TO BE IN PERFECT WORKING ORDER PRIOR TO THE BEGINNING OF CONSTRUCTION. TEST THESE AND NEW DEVICES AND SYSTEMS AFTER CONSTRUCTION TO INDICATE AND DOCUMENT POST-CONSTRUCTION CONDITIONS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RETURNING ALL EXISTING SYSTEMS AND DEVICES TO PRE-CONSTRUCTION CONDITION OR BETTER. OBTAIN THE SERVICES OF A CERTIFIED TESTING ORGANIZATION TO TEST AND DOCUMENT EACH SYSTEM, BOTH PRE AND POST CONSTRUCTION. SUCH SYSTEMS SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO: HVAC, EMERGENCY EGRESS LIGHTING SYSTEM, AUTOMATIC LIGHTING CONTROL SYSTEM AND FIRE ALARM SYSTEM. SUBMIT TEST RESULTS TO OWNER AND ENGINEER FOR REVIEW AND APPROVAL.

FIRE ALARM

SYMBOL	DESCRIPTION
	MANUAL PULL STATION
	SMOKE DETECTOR
	NOTIFICATION APPLIANCE, AUDIBLE AND VISUAL # INDICATES STROBE CANDELA IF OTHER THAN 75. C - INDICATES CEILING
	NOTIFICATION APPLIANCE, VISUAL # INDICATES STROBE CANDELA IF OTHER THAN 75. G - INDICATES CEILING
	FIRE ALARM CONTROL PANEL

LIGHTING CONTROL

SYMBOL	DESCRIPTION
	TOGGLE SWITCH, VOLTAGE AS INDICATED ON FIXTURE SCHEDULE, SUBSCRIPTS INDICATE TYPE: 3 - THREE WAY SWITCH OS - OCCUPANCY SENSOR VS - VACANCY SENSOR a,b,c - SWITCHING DESIGNATIONS NUMBER OF LETTERS EQUALS NO. OF GANGED SWITCHES
	DIMMER SWITCH, SUBSCRIPTS INDICATE TYPE: 3 - THREE WAY DIMMER SWITCH a,b,c - SWITCHING DESIGNATIONS NUMBER OF LETTERS EQUALS NO. OF GANGED SWITCHES
	DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR UNO WITH SUBSCRIPT. SUBSCRIPTS INDICATE TYPE: a,b,c - INDICATES CONTROL ZONES
	CEILING MOUNTED VACANCY SENSOR

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

ITEM ID	NAME	ROOM LOCATION	HP	KW	AMPERAGE	PHASE	VOLTAGE	POWER SOURCE, PROTECTION & WIRING				
								SOURCE	OC/PD RATING	WIRING FROM SOURCE TO EQUIPMENT VIA CONTROLLER / DISCONNECTING MEANS		
								PHASE	GROUND	CONDUIT		
FCU-A	FAN COIL UNIT			5.5	1	208	ACCU-A		(2)#12	(1)#12	3/4"	
FCU-A	FAN COIL UNIT			5.5	1	208	ACCU-A		(2)#12	(1)#12	3/4"	
ACCU-A	CONDENSING UNIT			36.0	1	208	D	50A/2P	(2)#6	(1)#10	1"	
ACCU-A	CONDENSING UNIT			36.0	1	208	D	50A/2P	(2)#6	(1)#10	1"	
ERV-A	ENERGY RECOVERY UNIT			10.1	1	120	D	20A/1P	(2)#12	(1)#12	3/4"	
ERV-A	ENERGY RECOVERY UNIT			10.1	1	120	D	20A/1P	(2)#12	(1)#12	3/4"	
TEF-A	FAN COIL UNIT			0.07	0.6	1	120	D	20A/1P	(2)#12	(1)#12	3/4"
TEF-A	FAN COIL UNIT			0.07	0.6	1	120	D	20A/1P	(2)#12	(1)#12	3/4"
PP-1	SEWAGE PUMP		2		13.2	1	208	D	20A/2P	(2)#12	(1)#12	3/4"
PP-CONTROLLER	PUMP CONTROLLER				5.0	1	120	D	20A/1P	(2)#12	(1)#12	3/4"

ABBREVIATIONS	
AU	AT UNIT
B	ASD WITH BYPASS
ECB	ENCLOSED CIRCUIT BREAKER
F	FUSED
HOA	HAND-OFF-AUTO WITH RELAY
IU	INTEGRAL WITH UNIT
M	MULTIPLE MOTOR ASD
NF	NON-FUSED
R	ASD WITH REDUNDANT ASD
RE	REMOTE

MOTOR CONTROLLER										DISCONNECTING MEANS				CONNECTIONS			EQUIPMENT	
MANUAL MOTOR STARTER	MAGNETIC MOTOR STARTER	COMBINATION MAGNETIC STARTER AND SAFETY SWITCH	ADJUSTABLE SPEED DRIVE	PACKAGED CONTROL UNIT	NEIMA ENCLOSURE TYPE	NEIMA STARTER SIZE	LOCATION	SAFETY SWITCH	SAFETY SWITCH AMPERE RATING	FUSE/CC AMPERE RATING	NEIMA ENCLOSURE TYPE	LOCATION	FIRE ALARM SHUTDOWN	FIRE ALARM DUCT DETECTOR(S)	MOTORIZED DAMPER	LINE VOLTAGE TEMPERATURE CONTROL	REFERENCE NOTES	ITEM ID
				X				NF	30		1	AU						FCU-A
				X				NF	30		5	AU						FCU-A
				X				NF	60	3R	3R	AU						ACCU-A
				X				NF	60	3R	3R	AU						ACCU-A
				X				NF	30		1	AU						ERV-A
				X				NF	30		1	AU						ERV-A
X							RE					IU						TEF-A
X							RE					IU						TEF-A
				X				NF	30		1	AU						PP-1
				X				NF	30		1	AU						PP-CONTROLLER

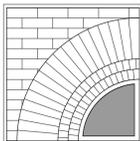
GENERAL NOTES

- A. REFER TO SPECIFICATIONS FOR REQUIREMENTS OF MOTOR CONTROLLERS AND DISCONNECTING MEANS.
- B. PROVIDE CONTROLLER SIZED PER HP RATING.
- C. LOCATIONS/QUANTITIES OF FIRE ALARM DUCT DETECTORS ARE SHOWN ON THE CONTRACT DRAWINGS.

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**Phase 1 Interior
Improvements to the
Lower Level**
for the

The
Beekman
Library

11 Town Center Boulevard
Hopewell Junction, NY 12533

PROJECT

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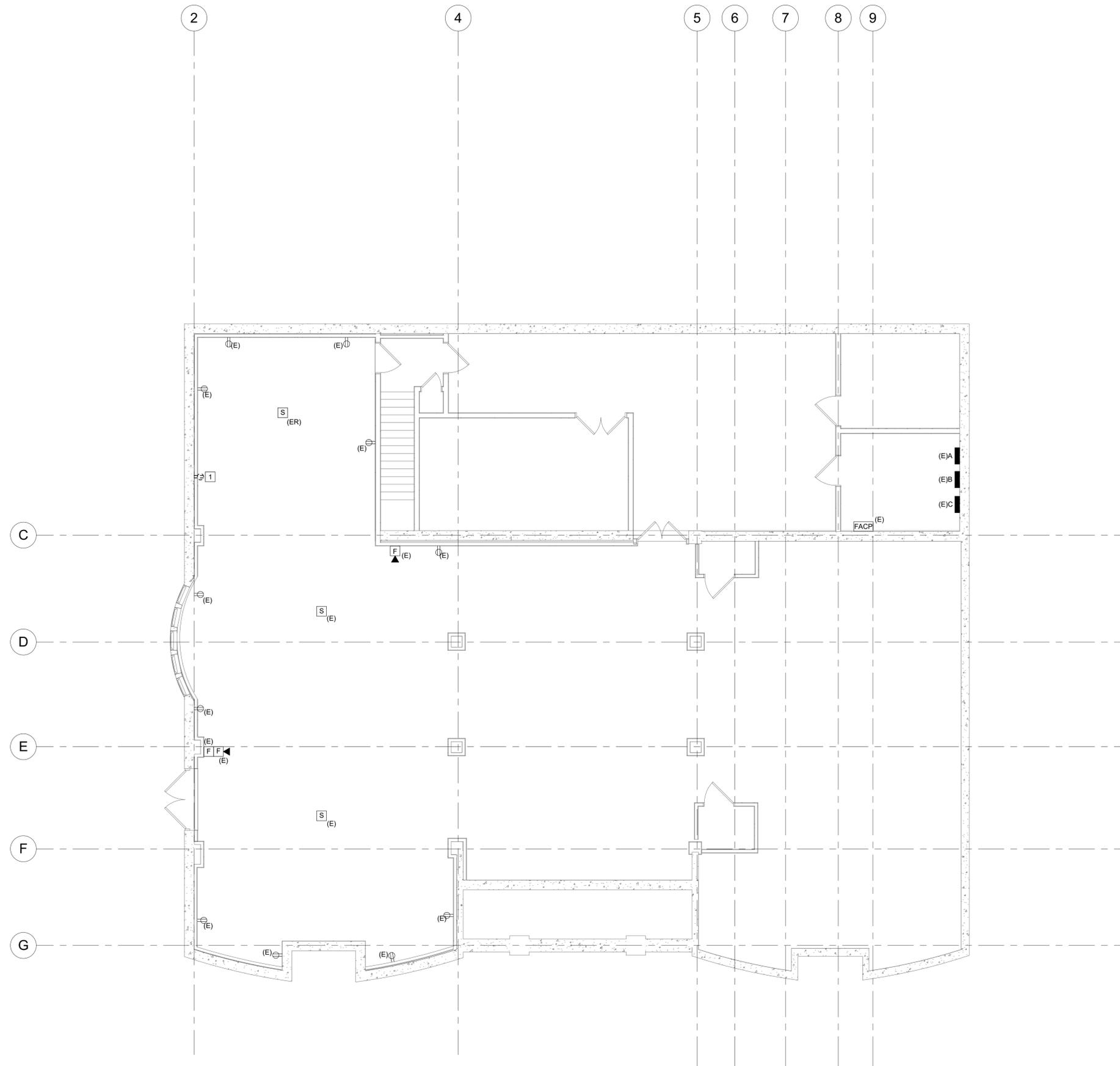
DWN. BY: KML
SCALE: 1/8" = 1'-0"
JOB NO.: 22-48-09
DATE: 06/02/2023

ELECTRICAL LEGEND & ABBREVIATIONS

TITLE

E001

DWG. NO.



1 LOWER LEVEL POWER & SYSTEMS REMOVALS PLAN
3/16" = 1'-0"

GENERAL NOTES:

- A. MAINTAIN EXISTING CIRCUITS WITH REMOVAL OF DEVICES FOR ALL EXISTING DEVICES OUTSIDE THE SCOPE OF WORK.

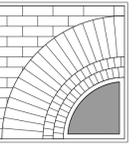
REMOVAL NOTES:

- 1. DISCONNECT AND REMOVE REECPACLE, MAINTIAN EXISTING CIRCUIT SUCH THAT ALL REMAINING DEVICES ON THIS CIRCUIT REMAIN CIRCUITED. MAINTAIN EXISTING BACKBOX, PROVIDE BLANK FACEPLATE COVER.

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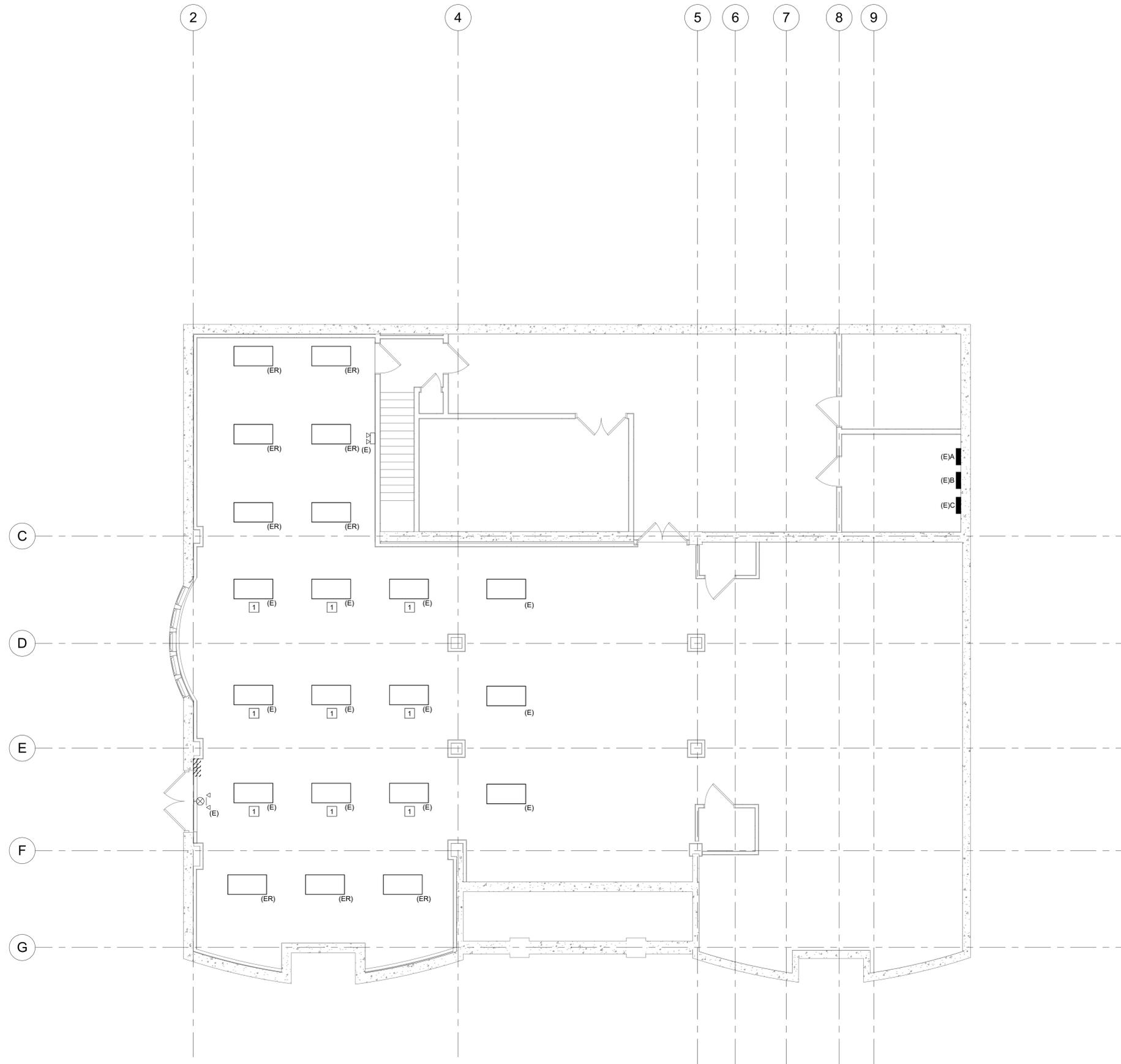
DWN. BY: KML
SCALE: As Indicated
JOB NO.: 22-48-09
DATE: 06/02/2023

**LOWER LEVEL
POWER &
SYSTEMS
REMOVALS
PLAN**

TITLE

ER100

DWG. NO.



1 LOWER LEVEL LIGHTING REMOVALS PLAN
3/16" = 1'-0"

GENERAL NOTES:

A. DISCONNECT AND STORE ALL LIGHT FIXTURES SHOWN AS EXISTING TO BE RELOCATED. MAINTAIN EXISTING LIGHTING CIRCUITS AND CONTROLS WITH DISCONNECTION OF LIGHT FIXTURES FOR ALL EXISTING LIGHT FIXTURES OUTSIDE THE SCOPE OF WORK.

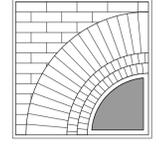
REMOVAL NOTES:

1. TEMPORARILY SUSPEND AND PROTECT LIGHT FIXTURES WITH REMOVAL OF CEILING.

Issued for Bidding 9/12/2023

ISSUES AND REVISIONS

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**Phase 1 Interior
Improvements to the
Lower Level
for the**

**The
Beekman
Library**

11 Town Center Boulevard
Hopewell Junction, NY 12533

PROJECT

ME ENGINEERING
Mechanical/Electrical Engineering Consultants

400 STATE STREET, 4TH FLOOR
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CONSULTANT

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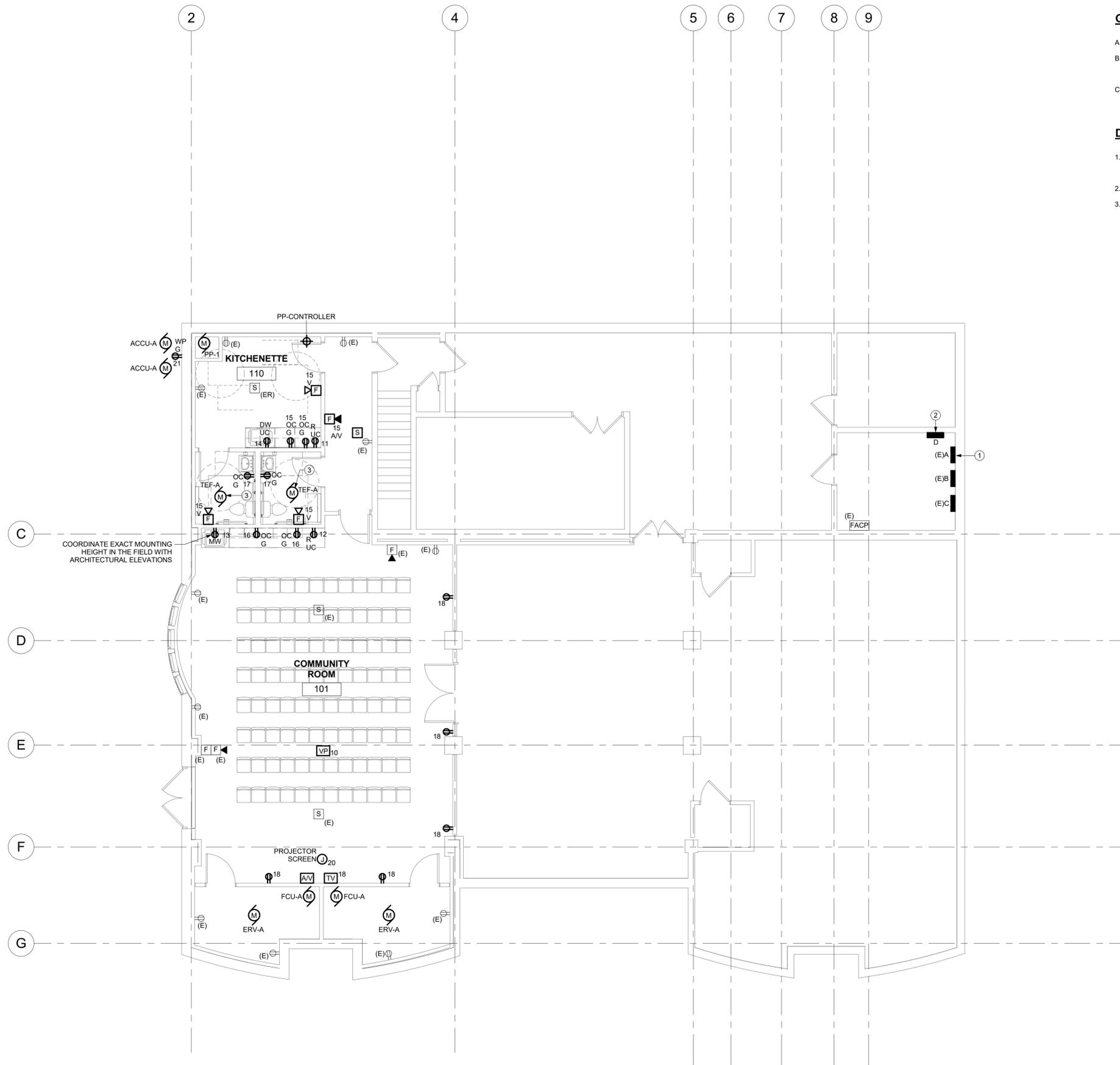
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**LOWER LEVEL
LIGHTING
REMOVALS
PLAN**

TITLE

ER200

DWG. NO.



GENERAL NOTES:

- A. ALL NEW WIRING SHALL BE MINIMUM (2)#12 WITH (1)#12 GROUND, UNLESS OTHERWISE NOTED.
- B. CONNECT ALL NEW FIRE ALARM NOTIFICATION AND INITIATION DEVICES TO EXISTING FIRE ALARM CIRCUITS ASSOCIATED WITH THE FIRE ALARM ZONE THAT THE DEVICES ARE IN. ALL NEW FIRE ALARM WIRING SHALL BE IN EMT OR SURFACE MOUNTED RACEWAY.
- C. ALL NEW RECEPTACLES IN THE COMMUNITY ROOM, KITCHENETTE, AND BATHROOMS SHALL BE TAMPER-RESISTANT TYPE.

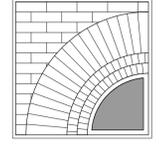
DRAWING NOTES:

- 1. RELOCATE CIRCUITS NUMBERS 1, 3, & 5 IN PANEL A TO CIRCUIT NUMBERS 36, 38, 42 IN PANEL B. PROVIDE (1)100A 3P CIRCUIT BREAKER TO FEED NEW SUB PANEL D IN OPEN CIRCUIT SPACES 1,3,5.
- 2. PROVIDE (4)#2 & (1)#8G IN 1-1/4" C FEED FROM PANEL A TO PANEL D.
- 3. CONNECT TO BATHROOM CIRCUIT, FAN SHALL BE CONTROLLED BY BATHROOM LIGHT SWITCH.

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**LOWER LEVEL
POWER &
SYSTEMS
PLAN**

TITLE

E100

DWG. NO.

