

MTA AIR HANDLER REPLACEMENTS

YORK & GARDINER MAINTENANCE FACILITIES



THE GOLD STAR
MEMORIAL HIGHWAY

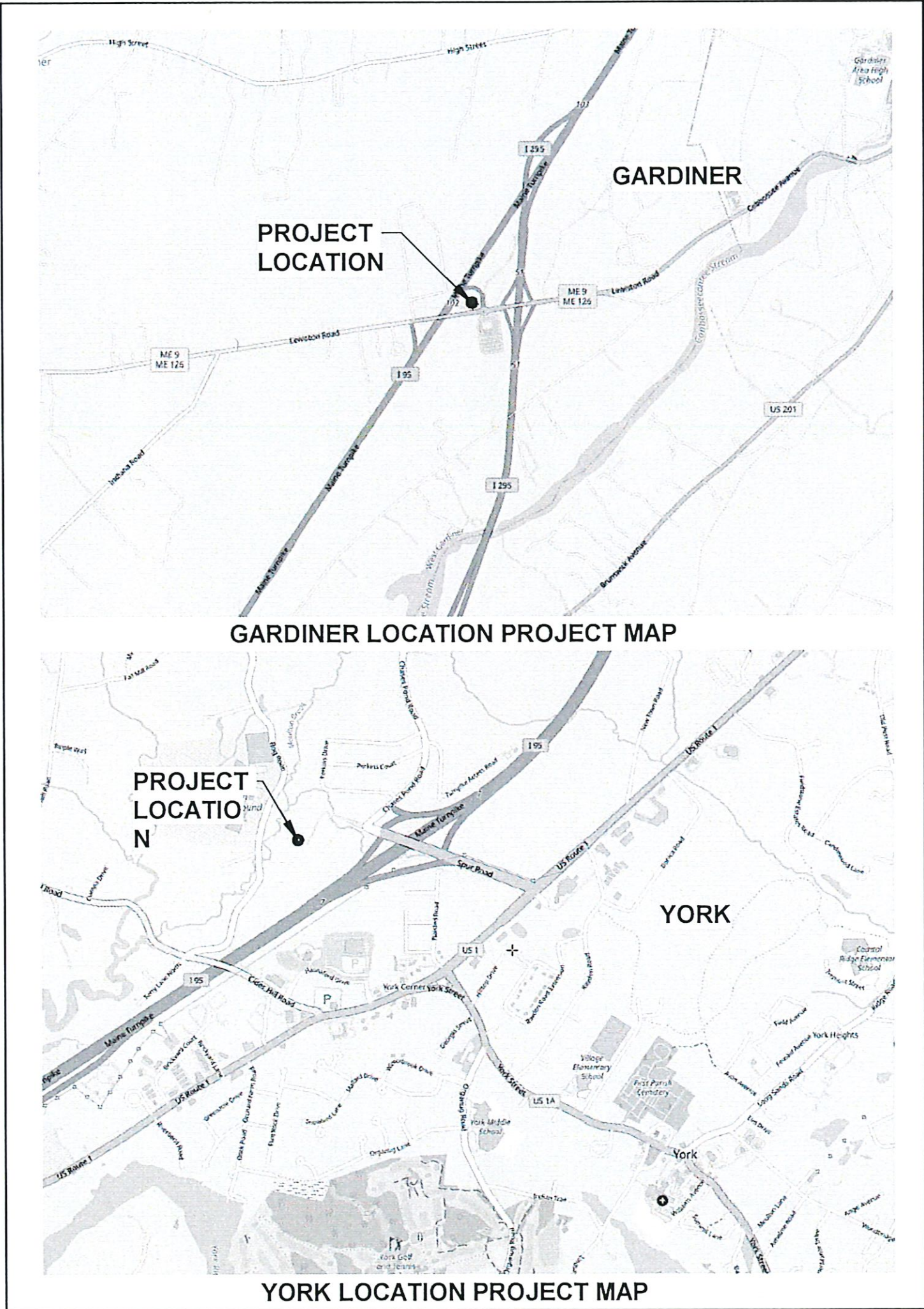
YORK & GARDINER, MAINE

CONTRACT: 2026.13

MICHAEL J. CIANCHETTE, CHAIRMAN
JANE L. LINCOLN, CHAIRMAN
THOMAS J. ZUKE, MEMBER
ANDREW McLEAN, MEMBER
NINA A. FISHER, MEMBER
EMILY BECKER, MEMBER
DALE DOUGHTY, MEMBER EX-OFFICIO

ANDRE J. BRIERE, COLONEL, USAF (ret) EXECUTIVE DIRECTOR

ISSUED FOR BID
SEPTEMBER 22, 2025



A Salas O'Brien Company

160 Veranda Street
Portland, Maine 04103
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DRAWING STATUS LIST		ISSUE		DATE							
		DESCRIPTION	DATE	ISSUED FOR BID	DATE	ISSUED FOR BID	DATE	ISSUED FOR BID	DATE	ISSUED FOR BID	DATE
DRAWINGS											
SHEET No.	SHEET TITLE										
G-000	COVER SHEET										
MH-000	MECHANICAL NOTES, LEGEND AND ABBREVIATIONS										
MH-100	MECHANICAL PLANS - YORK										
MH-101	MECHANICAL PLANS - YORK										
MH-102	MECHANICAL PLANS - GARDINER										
MH-103	MECHANICAL PLANS - GARDINER										
MH-500	MECHANICAL SCHEDULES										
E-000	ELECTRICAL NOTES										
E-001	ELECTRICAL LEGEND										
E-100	ELECTRICAL GARDINER PLAN										
E-101	ELECTRICAL YORK PLAN										
E-500	ELECTRICAL DETAILS										
E-600	ELECTRICAL SCHEDULES										

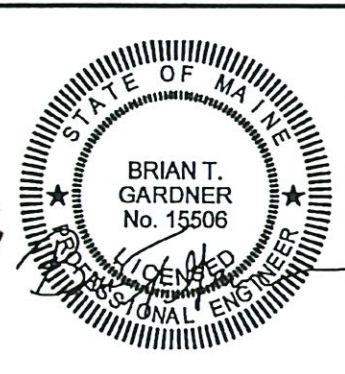
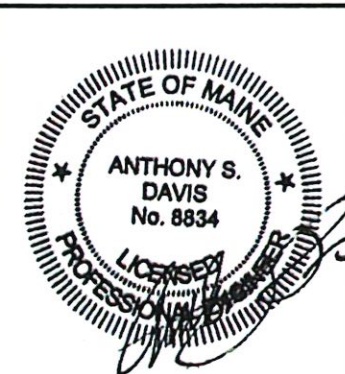
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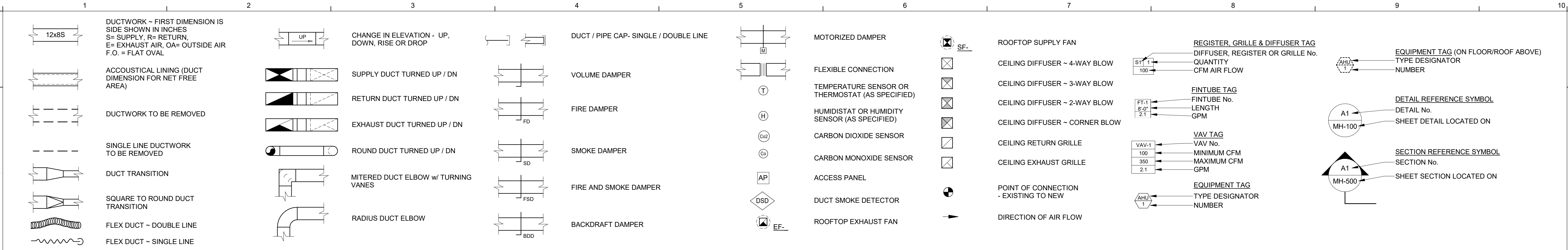
MAINE TURNPIKE AUTHORITY

STEPHEN R. TARTRE, P.E., - CHIEF ENGINEER/DIRECTOR OF ENGINEERING

DATE

9/23/25





E1	SYMBOLS LEGEND													
NONE														
— AW —	ACID WASTE	— LN —	LIQUID NITROGEN	AAV	AUTOMATIC AIR VENT	CU	COPPER; CONDENSING UNIT	FM	FORCE MAIN	NIC	NOT IN CONTRACT	TTS	TIGHT TO STEEL	<div>NOTE</div> <div>ALL GENERAL NOTES, SYMBOL LEGENDS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING AND HVAC DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.</div>
— ATV —	AIR RELIEF	— LOX —	LIQUID OXYGEN	AC	ABOVE CEILING	CUH	CABINET UNIT HEATER	GC	GENERAL CONTRACTOR	NPT	NATIONAL PIPE THREAD	TV	TURNING VANE	
— BBD —	BOILER BLOWDOWN	— LP —	LIQUID PETROLEUM GAS	ACC	AIR COOLED CONDENSER	C.V.	CONTROL VALVE	GPM	GALLONS PER MINUTE	NTS	NOT TO SCALE	TW	TEMPERED WATER	
— C —	CONDENSATE (HVAC DRAIN PAN)	— LPR —	LOW PRESSURE CONDENSATE	ACU	AIR CONDITIONING UNIT	CW	COLD WATER; CLOCKWISE	GRV	GRAVITY ROOF VENTILATOR	OBD	OPPOSED BLADE DAMPER	TYP	TYPICAL	
— CA —	COMPRESSED AIR	— LPS —	LOW PRESSURE STEAM	ADA	AMERICANS WITH DISABILITIES ACT	DB	DRY BULB TEMPERATURE	H	HUMIDIFIER	OD	OUTSIDE DIAMETER	UH	UNIT HEATER	
— CHWR —	CHILLED WATER RETURN	— MA —	MEDICAL AIR	AD	ACCESS DOOR	DC	DOUBLE CONTAINED	HB	HOSE BIBB	OED	OPEN ENDED DUCT	UIC	UP IN CHASE	
— CHWS —	CHILLED WATER SUPPLY	— MPR —	MEDIUM PRESSURE CONDENSATE	AE	ACID EXHAUST	DDC	DIRECT DIGITAL CONTROL	HC; HDC	HANDICAP ACCESS	P-#	PLUMBING FIXTURE TAG	UIW	UP IN WALL	
— CTR —	COOLING TOWER RETURN	— MPS —	MEDIUM PRESSURE STEAM	AW	ACID WASTE	DET	DETAIL	HGT; HT	HEIGHT	PD	PUMPED DISCHARGE	UV	UNIT VENTILATOR	
— CTS —	COOLING TOWER SUPPLY	— MUW —	MAKE-UP WATER	AFF; A.F.F.	ABOVE FINISHED FLOOR	DIA	DIAMETER	HP	HEAT PUMP	PP	PROCESS PIPING	V	VENT	
— CWR —	CONDENSER WATER RETURN	— N2 —	NITROGEN	AHU	AIR HANDLING UNIT	DIC	DOWN IN CHASE	HRU	HEAT RECOVERY UNIT	PRS	PRESSURE REDUCING STATION	VAC	VACUUM	
— CWS —	CONDENSER WATER SUPPLY	— NG —	NATURAL GAS	AP	ACCESS PANEL	DIW	DOWN IN WALL	HTR	HEATER	PRV	PRESSURE REDUCING VALVE	VB	VACUUM BREAKER	
— — —	DOMESTIC COLD WATER	— NO —	NITROUS OXIDE	APPROX.	APPROXIMATE; APPROXIMATELY	DN	DOWN	H&V	HEATING AND VENTILATION	R	RETURN AIR	VCFF	VALVE & CAP FOR FUTURE	
— — — —	DOMESTIC HOT WATER	— NPW —	NON-POTABLE WATER	APMR	AS PER MFR'S RECOMMENDATIONS	DS	DOWNSPOUT	HVAC	HEATING, VENTILATING AND AIR COND.	RD	ROOF DRAIN	VD	VOLUME DAMPER - MANUAL	
— — — — —	DOMESTIC HOT WATER RECIRC.	— OX —	OXYGEN	ATC	AUTOMATIC TEMPERATURE CONTROL	DT	DROP AND TRANSITION	HW	HOT WATER	REC	RECOMMENDATION	VLV	VALVE	
— D —	DRAIN	— PC —	PUMPED CONDENSATE	AV	AIR VENT	DV	DRAIN VALVE	HWR	HOT WATER RETURN	REG	REGULAR	VS	VENT STACK	
— FM —	PUMP FORCE MAIN	— PCWR —	PROCESS COLD WATER RETURN	BC	BALANCING COCK	DWG	DRAWING	HWS	HOT WATER SUPPLY	RF	RETURN FAN	VTR	VENT TO ROOF	
— FOF —	FUEL OIL FILL	— PCWS —	PROCESS COLD WATER SUPPLY	BDD	BACKDRAFT DAMPER	E	EXHAUST AIR	HX	HEAT EXCHANGER	RG	RETURN GRILLE	W	WASTE	
— FOR —	FUEL OIL RETURN	— RD —	REFRIGERANT DISCHARGE	BG	BLAST GATE	EF	EXHAUST FAN	ID	INSIDE DIAMETER	RHC	REHEAT COIL	W/	WITH	
— FOS —	FUEL OIL SUPPLY	— RL —	REFRIGERANT LIQUID	BF	BARRIER FREE	EG	EXHAUST GRILLE	IN WG	INCHES WATER GAUGE	RM	ROOM	WB	WET BULB TEMPERATURE, °F	
— FOV —	FUEL OIL TANK VENT	— RS —	REFRIGERANT SUCTION	BFP	BACKFLOW PREVENTER	ELEV	ELEVATION	INCL.	INCLUDING	RPZ	REDUCED PRESSURE BFP	WCO	WALL CLEANOUT	
— FW —	FEEDWATER	— RO —	REVERSE OSMOSIS WATER	BHP	BRAKE HORSEPOWER	ELONG	ELONGATE	INV. EL.	INVERT ELEVATION	RR	RETURN REGISTER	WH	WATER HEATER	
— GR —	GLYCOL RETURN	— RW —	RAIN WATER - ABOVE FLOOR	BLDG	BUILDING	ENC	ENCLOSURE	IPS	IRON PIPE SIZE	RV	RELIEF VALVE	WHYD	WALL HYDRANT	
— GS —	GLYCOL SUPPLY	— RWB —	RAIN WATER - BELOW GRADE	BOD	BOTTOM OF DUCT	ER	EXHAUST REGISTER	KE-#	KITCHEN EQUIPMENT NUMBER	RW	RAIN WATER	Ø	DIAMETER	
— GV —	GREASE LADEN VENT	— RWO —	RAIN WATER OVERFLOW - ABOVE FLOOR	B.T.U.; BTU	BRITISH THERMAL UNIT	ERU	ENERGY RECOVERY UNIT	LD	LINEAR DIFFUSER	S	SUPPLY AIR	@	AT	
— GW —	GREASE LADEN WASTE	— RWO —	RAIN WATER OVERFLOW - BELOW GRADE	CONV.	CONVECTOR	ESP	EXTERNAL STATIC PRESSURE	LE-#	SCIENCE LAB EQUIPMENT NUMBER	SA-" "	SHOCK ABSORBER OF PDI SIZE (" ") AS INDICATED	&	AND	
— GWR —	GEOHERMAL WATER RETURN	— SP —	SPRINKLER MAIN PIPING	CCW	COUNTER CLOCKWISE	ET	EXPANSION TANK	LP	LIQUID PETROLEUM GAS	SCV	SELF-CONTAINED VALVE	%	PERCENT	
— GWS —	GEOHERMAL WATER SUPPLY	— SWR —	SOLAR WATER RETURN	CFF	CAPPED FOR FUTURE	(E)	EXISTING	LPR	LOW PRESSURE STEAM RETURN	SD	SMOKE DAMPER			
— H —	HUMIDIFICATION LINE	— SWS —	SOLAR WATER SUPPLY	CFM	CUBIC FEET PER MINUTE	F&T	FLOAT AND THERMOSTATIC	LPS	LOW PRESSURE STEAM SUPPLY	SF	SUPPLY FAN			
— H2 —	HYDROGEN GAS	— — — TP — — —	TRAP PRIMER - ABOVE FLOOR	CLG	CEILING	FBO	FURNISHED BY OTHERS	MAX	MAXIMUM	SG	SUPPLY GRILLE			
— HCR —	HEAT/COOL RETURN	— — — TP — — —	TRAP PRIMER - BELOW GRADE	CO	CLEANOUT	FBP	FACE AND BYPASS	MBH	1000 BTUH/hr.	SGL	SINGLE			
— HCS —	HEAT/COOL SUPPLY	— TWR —	TEMPERED WATER RETURN	CM	CONSTRUCTION MANAGER	FC	FLEXIBLE CONNECTION	MFR	MANUFACTURER	SHT	SHEET			
— HPWR —	HEAT PUMP WATER RETURN	— TWS —	TEMPERED WATER SUPPLY	CNTR	COUNTER; COUNTER TOP	FCO	FLOOR CLEANOUT	MIN	MINIMUM	SPLR	SPRINKLER			
— HPWS —	HEAT PUMP WATER SUPPLY	— — — V — — —	SANITARY SOIL VENT - ABOVE FLOOR	CONN	CONNECT; CONNECTION	FD-#	FLOOR DRAIN TAG	MOD	MOTOR OPERATED DAMPER	SQ. FT; SF	SQUARE FEET			
— HPC —	HIGH PRESSURE CONDENSATE	— — — V — — —	SANITARY SOIL VENT - BELOW GRADE	CONT.	CONTINUE; CONTINUATION	FD	FIRE DAMPER	MPG	MEDIUM PRESSURE GAS	SR	SUPPLY REGISTER			
— HPS —	HIGH PRESSURE STEAM	— VAC —	VACUUM (AIR)	COORD.	COORDINATE	FDC	FIRE DEPT. CONNECTION	MPV	MULTI-PURPOSE VALVE	S/O	SHUT-OFF			
— HTWR —	HIGH-TEMP HOT WATER RETURN	— VC —	VACUUM CLEANING (HOUSE)	CORR	CORRIDOR	FIN	FINISH	MTD	MOUNTED	S.S.	STAINLESS STEEL			
— HWR —	HOT WATER RETURN	— VPD —	VACUUM PUMP DISCHARGE	CR	CHEMICAL RESISTING	FL; FLR	FLOOR	MTG	MOUNTING	TD	TRENCH DRAIN			
— HWS —	HOT WATER SUPPLY	— W —	SANITARY SOIL WASTE - ABOVE FLOOR	CT	COOLING TOWER	FP	FROST/FREEZE PROOF	MUA	MAKE UP AIR	TG	TRANSFER GRILLE			
— IND —	INDUSTRIAL WASTE	— — W — —	SANITARY SOIL WASTE - BELOW GRADE	CTE	CONNECT TO EXISTING	FTG	FOOTING	N.C.	NORMALLY CLOSED	TOD	TOP OF DUCT			
— IW —	INDIRECT WASTE	— WV —	SANITARY WET VENT - ABOVE FLOOR	CTR	CENTER	FTR	FINNED TUBE RADIATION	N.O.	NORMALLY OPEN	TP	TRAP PRIMER			
		— WV —	SANITARY WET VENT - BELOW GRADE	CTRLN	CENTERLINE	FS	FLOW SWITCH	NG	NATURAL GAS	TSP	TOTAL STATIC PRESSURE			

A1

PIPING LINETYPE LEGEND

NONE

Scale: AS INDICATED

Designed by:

No.	Revision	By	Date

ISSUED FOR BID - SEPTEMBER 22, 2025

Designed:	By	Date	Checked:	By	Date
Drawn:	SCL	9/22/2025			9/22/2025

STATE OF MAINE

ANTHONY S. DAVIS

No. 8834

PLUMBING

MAINE

TURNPIKE

★

Allied Engineering

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MTA PROJECT MANAGER:

Brian A. Taddeo, P.E.

AIR HANDLER REPLACEMENTS

YORK AND GARDINER MAINTENANCE FACILITIES

MECHANICAL NOTES, LEGEND AND ABBREVIATIONS

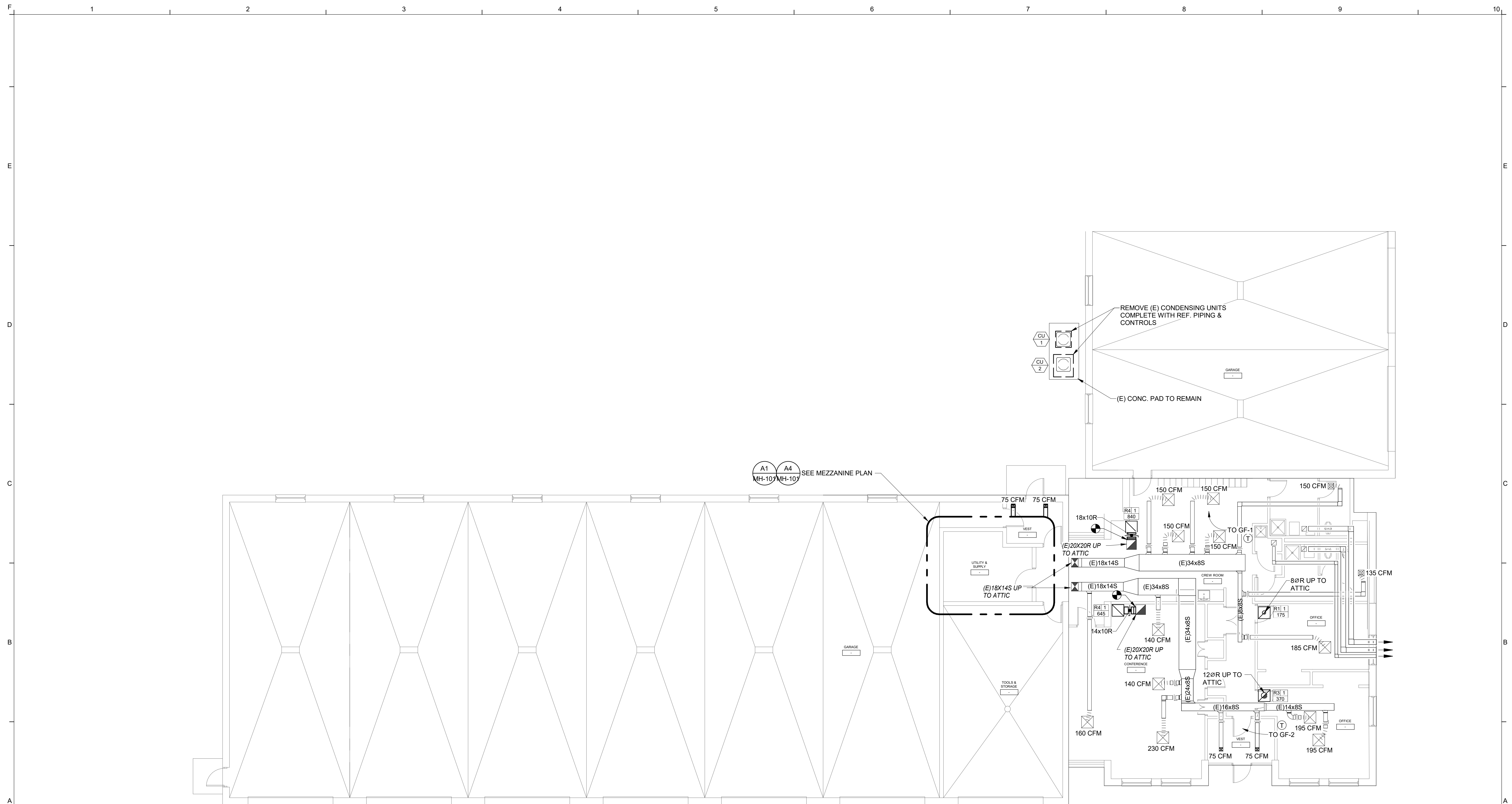
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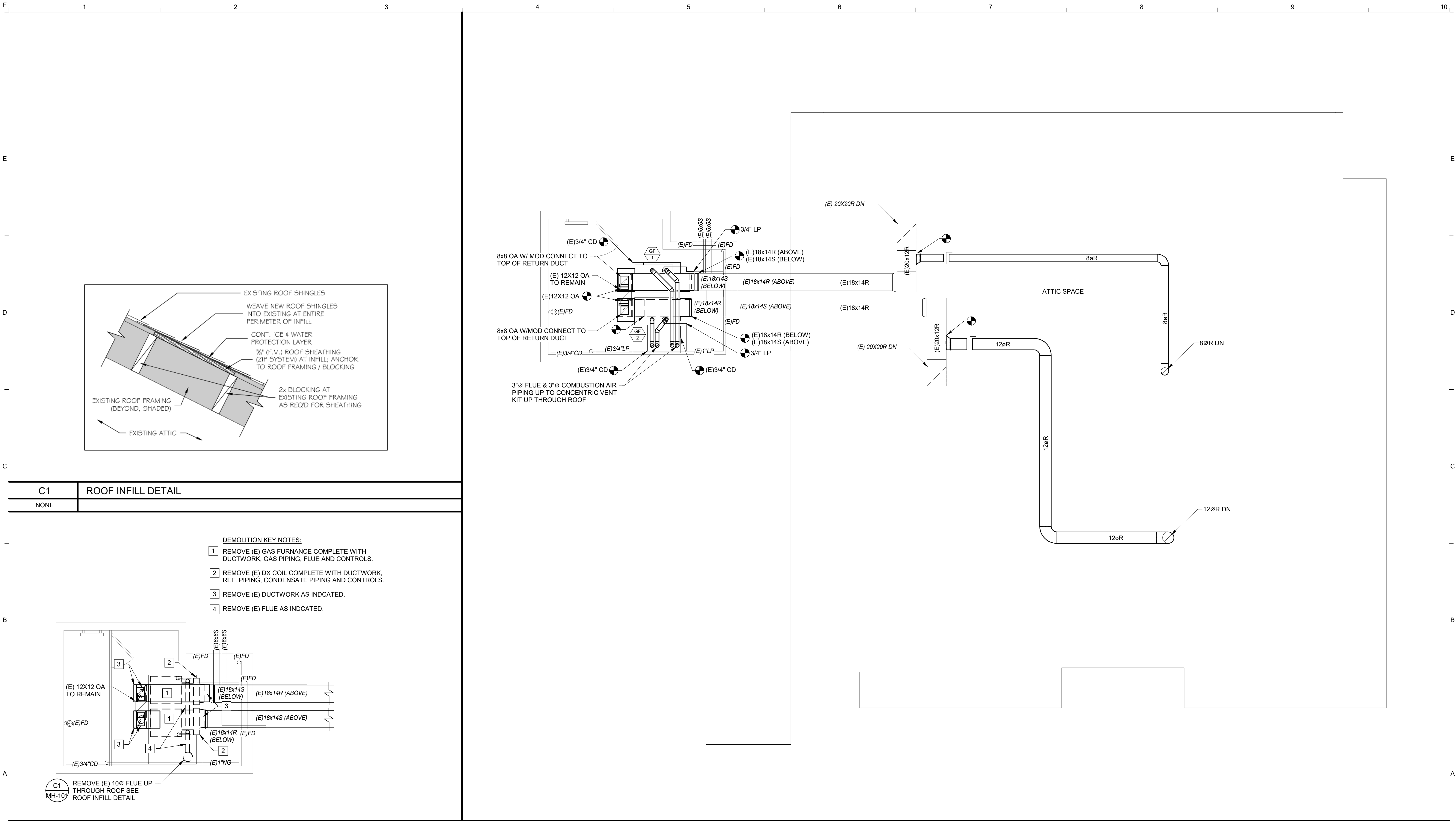
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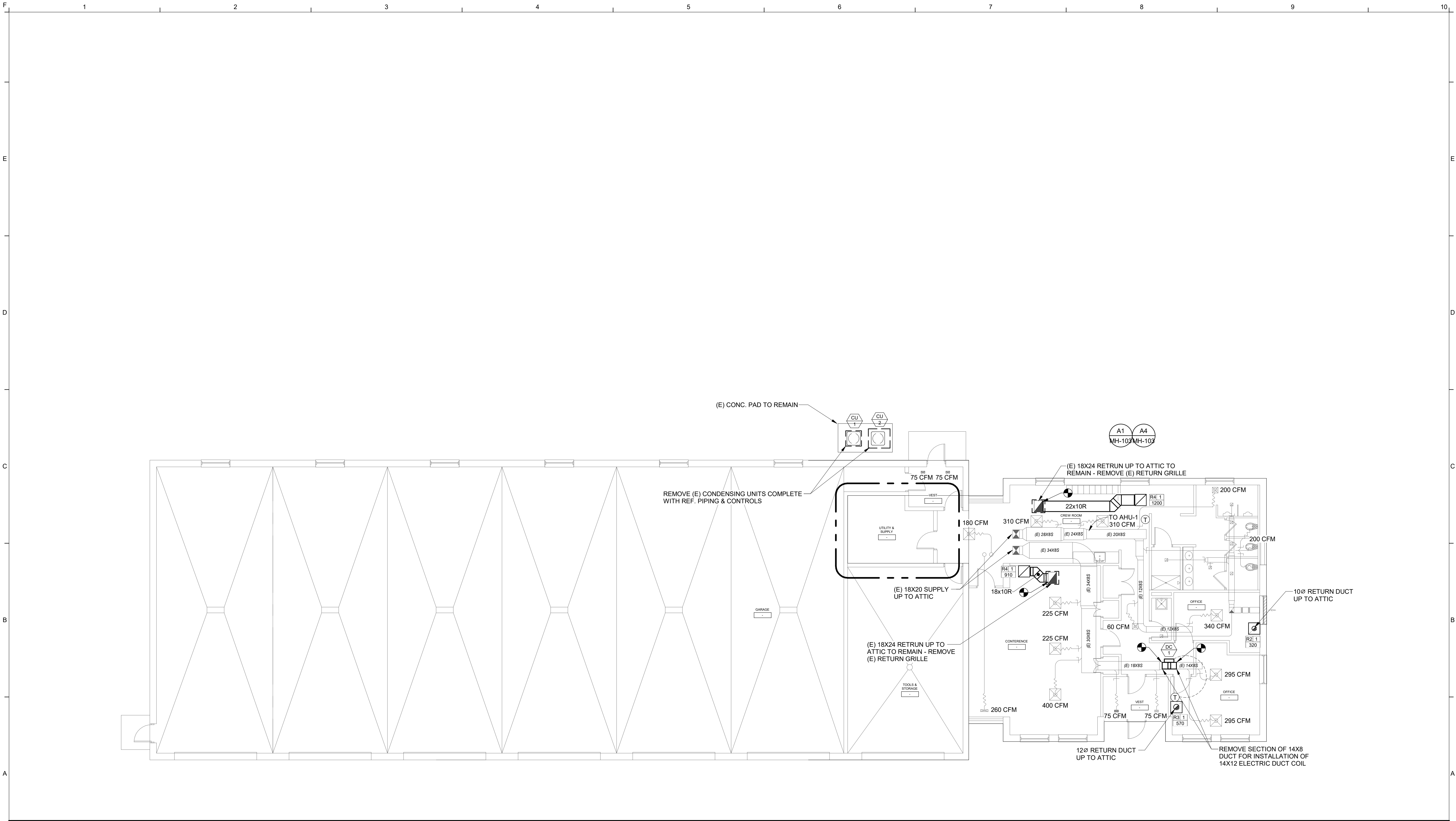
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A1		MECHANICAL DEMOLITION MEZZANINE PLAN - YORK				A4		MECHANICAL MEZZANINE & ATTIC PLAN - YORK																																													
1/4" = 1'-0"						1/4" = 1'-0"																																															
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				AEI PROJ.NO.:2561-00002 CAD FILE:2561-00002.RVT				MTA PROJECT MANAGER: Brian A. Taddeo, P.E.																																													



A1

MECHANICAL FIRST FLOOR PLAN - GARDINER

1/8" = 1'-0"

Scale: AS INDICATED

No.	Revision	By	Date

Designed by:

STATE OF MAINE
ANTHONY S. DAVIS
No. 8834
LICENSED PROFESSIONAL ENGINEER

ISSUED FOR BID - SEPTEMBER 22, 2025

	By	Date		By	Date
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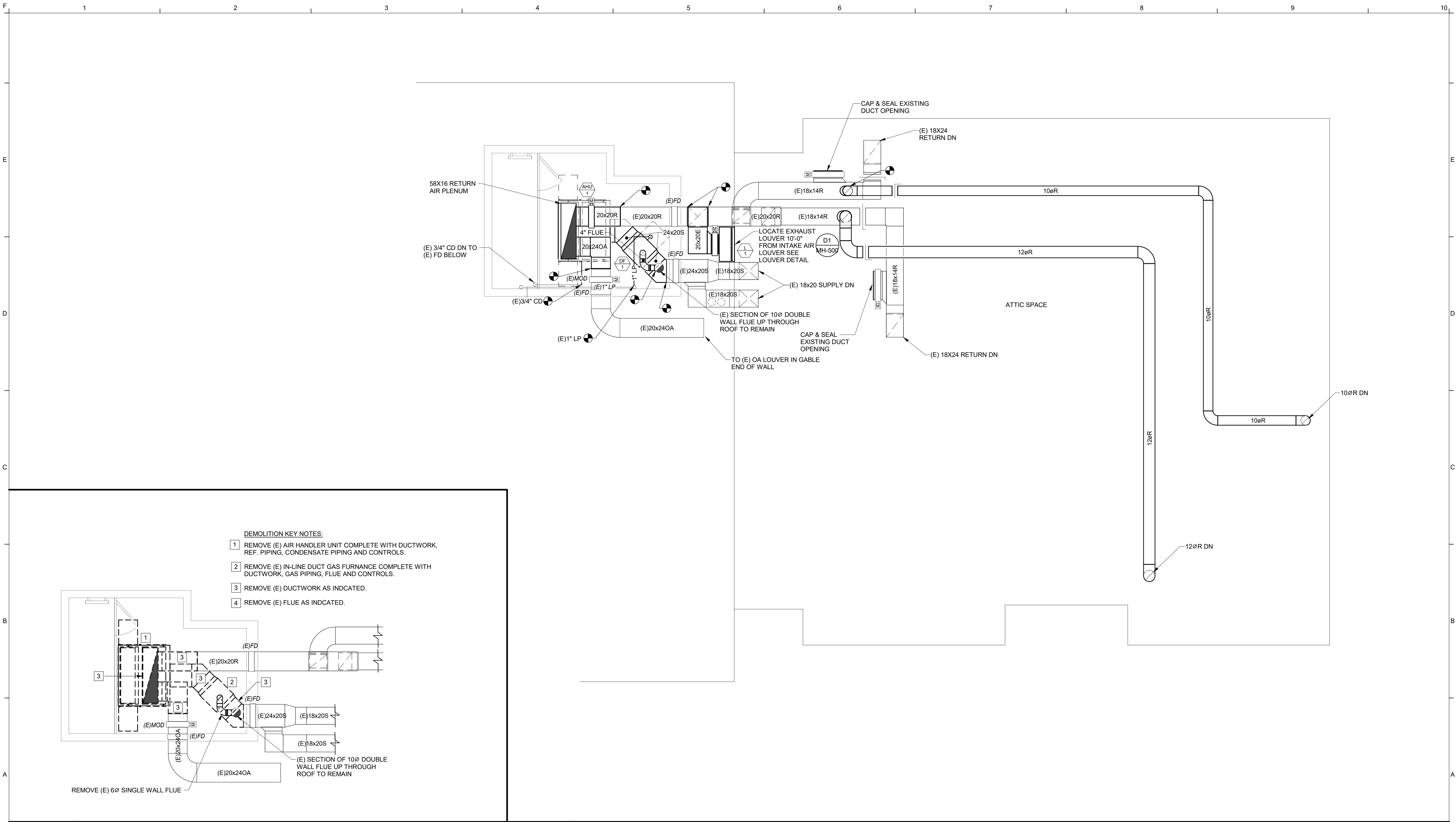
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

AIR HANDLER REPLACEMENTS
YORK AND GARDINER MAINTENANCE FACILITIES
MECHANICAL PLANS - GARDINER

CONTRACT: 2026.13.

SHEET NUMBER: MH-102
5 OF 13

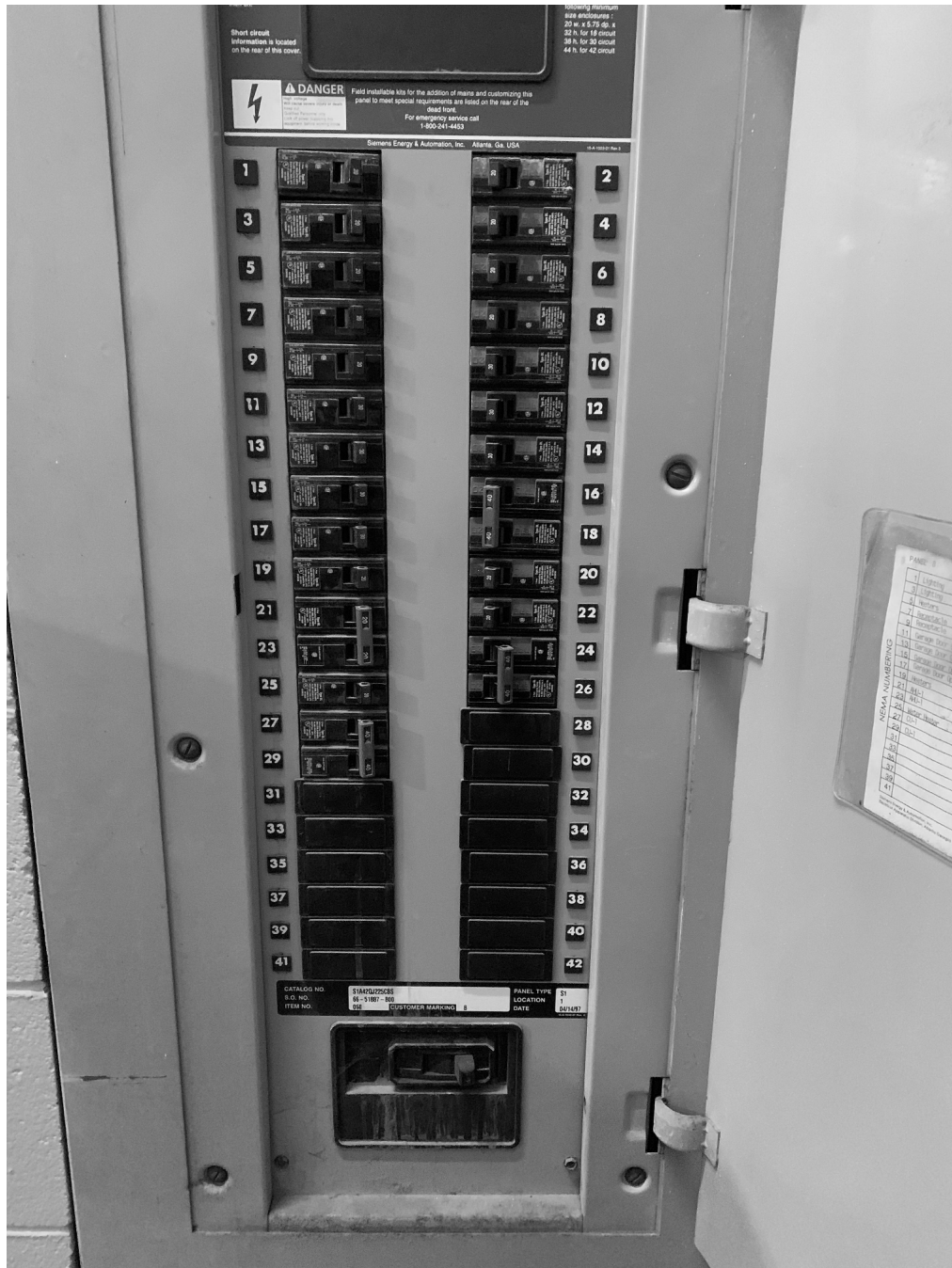

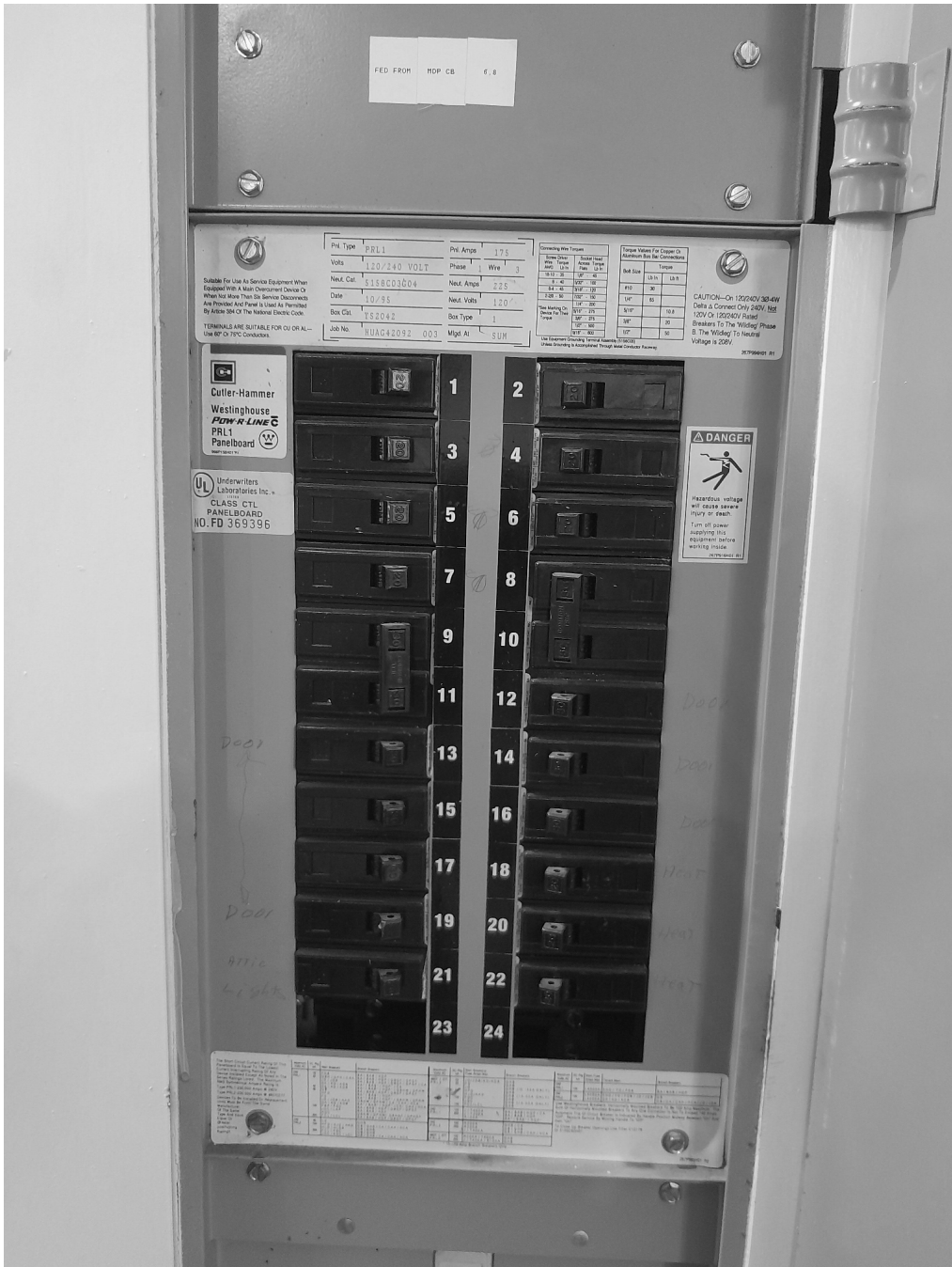


A1		MECHANICAL DEMOLITION MEZZANINE PLAN - GARDINER						A4		MECHANICAL MEZZANINE & ATTIC PLAN - GARDINER					
1/4" = 1'-0"								1/4" = 1'-0"							
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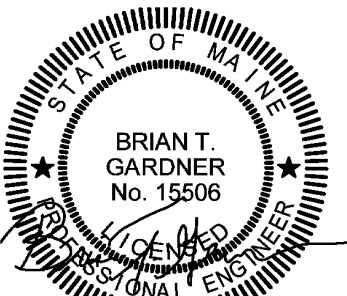


F	1	2	3	4	5	6	7	8	9	10
	PROJECT NOTES		INSTALLATION COORDINATION NOTES		WIRING NOTES		SYSTEM POWER WIRING NOTES		REMOVAL NOTES	
	1. THE SCOPE OF WORK SHALL INCLUDE PROVIDING ALL WORK INDICATED UNLESS OTHERWISE SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS, AND COORDINATION WITH ALL TRADES SCOPE OF WORK AS INDICATED ON THE CONTRACT DOCUMENTS INCLUDING BOTH THE DRAWINGS AND THE SPECIFICATIONS, WHICH ARE COMPLIMENTARY. WORK REQUIREMENTS INDICATED IN ANY CONTRACT DOCUMENT SHALL BE CONSIDERED PART OF THE SCOPE OF WORK, UNLESS SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS.		1. PRIOR TO ROUGH-IN OF ELECTRICAL PROVISIONS FOR OWNER FURNISHED EQUIPMENT AND EQUIPMENT PROVIDED BY OTHER TRADES, COORDINATE WITH THE GENERAL CONTRACTOR, EQUIPMENT SHOP DRAWINGS AND APPLICABLE EQUIPMENT INSTALLER FOR EXACT LOCATION AND WIRING REQUIREMENTS. PROVIDE ALL NECESSARY EQUIPMENT, WIRING AND ACCESSORIES FOR A COMPLETE INSTALLATION. MAKE ALL FINAL CONNECTIONS AS REQUIRED, I.E. POWER, CONTROL, INTERLOCK, ETC.		1. UNLESS OTHERWISE INDICATED ON PLANS OR IN SPECIFICATIONS: ALL CONDUCTORS, POWER DISTRIBUTION EQUIPMENT BUSSING AND TRANSFORMER WINDINGS SHALL BE FABRICATED OF 98% CONDUCTIVE COPPER MATERIAL.		1. ALL VIDEO PROJECTOR, CAMERA AND MONITOR POWER OUTLETS AND THEIR ASSOCIATED COMPUTER POWER OUTLETS FEEDING THE VIDEO SOURCE ARE TO BE CONNECTED TO THE SAME PHASE TO ELIMINATE THE POTENTIAL FOR VIDEO INTERFERENCE BETWEEN VIDEO SOURCE AND EQUIPMENT. COORDINATE ALL POWER WIRING FOR SYSTEM EQUIPMENT WITH THE SYSTEM INSTALLER PRIOR TO INSTALLATION		1. REFER TO FLOOR PLANS FOR SCOPE OF WORK AREA. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ABOUT ELECTRICAL DEMOLITION SCOPE OF WORK AS RELATED TO THEIR RESPECTIVE SYSTEMS.	
	2. IN GENERAL, WORK REQUIREMENTS ARE NOT INDICATED IN BOTH DOCUMENTS. WHERE DOCUMENTS CONFLICT WITHIN THEMSELVES OR WITH CODES AND REGULATIONS, PROVIDE THE HIGHER QUANTITY AND QUALITY AND FOLLOW THE STRICTER REQUIREMENTS.		2. DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE THE WORK OF DIVISION 26 AND OTHER DIVISIONS. THESE DRAWINGS ARE NOT INTENDED TO INDICATE ALL ITEMS TO BE REMOVED.		2. WIRING IS INDICATED ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.		RECEPTACLE COLOR CODE NOTES UNLESS OTHERWISE INDICATED PROVIDE 20A HEAVY DUTY GRADE RECEPTACLES WITH COLOR CODE AS FOLLOWS:		2. DASHED LINES REPRESENT WALLS SCHEDULED FOR REMOVAL; SOLID LINES REPRESENT WALLS REMAINING OR NEW WALLS.	
E	3. WORK AT A MINIMUM SHALL BE IN ACCORDANCE WITH OSHA, NFPA STANDARDS, THE ELECTRICAL CODE AND THE LOCAL GOVERNING AUTHORITIES. THE DRAWINGS AND SPECIFICATIONS DO NOT ATTEMPT TO INDICATE ALL WORK REQUIRED BY CODE AND AUTHORITIES. DO NOT INSTALL WORK THAT DOES NOT MEET THE MINIMUM REQUIREMENTS. IF NECESSARY, REQUEST CLARIFICATION FROM ARCHITECT AND ENGINEER BEFORE PROCEEDING.		3. ELECTRICAL EQUIPMENT, RACEWAYS AND OUTLETS MOUNTED TO AND OR INSTALLED IN OWNER FURNISHED FURNITURE SHALL BE COORDINATED WITH THE EQUIPMENT AND FURNITURE INSTALLERS AND THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN. EXCEPT WHERE INDICATED OR REQUIRED OTHERWISE.		3. BRANCH CIRCUIT WIRING NOT SHOWN. CIRCUITING SHALL IN ACCORDANCE WITH APPLICABLE CODES AND STANDARD PRACTICE. PROVIDE A 20A, 1P CIRCUIT BREAKER FOR EACH LIGHTING AND RECEPTACLE CIRCUIT UNLESS OTHERWISE INDICATED OR NOTED. CONNECT NO MORE THAN SIX DUPLEX CONVENIENCE RECEPTACLES PER BRANCH CIRCUIT. CONNECTED LOAD ON LIGHTING CIRCUITS SHALL NOT EXCEED 12 AMPS.		1. ON GENERATOR POWER – RED 2. ON UPS POWER – BLUE 3. ISOLATED GROUND – ORANGE 4. ON NORMAL POWER – IVORY OR AS SELECTED BY ARCHITECT		3. REFER TO LEGEND FOR DEFINITION OF (E), (R), (ER) AND (RL) TAGS.	
	4. ALL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND PROFESSIONAL MANNER. RECTILINEAR TO BUILDING STRUCTURE.		4. THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET PROJECT REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.		4. ALL WIRING SHALL BE RUN CONCEALED UNLESS SPECIFIED OTHERWISE, ALL EXPOSED WIRING INCLUDING THAT WHICH IS INSTALLED ABOVE BUT IS VISIBLE FROM BELOW, PARTIALLY OR FULLY OPEN CEILING, SHALL BE INSTALLED IN CONDUIT OR RACEWAYS. REFER TO SPECIFICATIONS FOR ACCEPTABLE WIRING METHODS.		MOUNTING NOTES 1. DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR EXACT DIMENSIONS.		4. REFER TO NEW CONDITIONS PLANS FOR PROPOSED LOCATIONS OF ANY DEVICES/EQUIPMENT SCHEDULE FOR RELOCATION. PROVIDE REQUIRED SUPPORT COMPONENTS FOR INSTALLATION AT NEW LOCATION. EXTEND CONDUIT AND WIRE FROM EXISTING SOURCE OR LAST MAINTAINED ACTIVE DEVICE TO THE NEW LOCATION AND RE-TERMINATE TO DEVICE/EQUIPMENT.	
	5. ALL COMPONENTS SHOWN ON THE RISER DIAGRAMS OR DETAILS, BUT NOT ON THE PLAN OR VICE VERSA SHALL BE INCLUDED AS IF SHOWN ON BOTH.		5. IF EXACT LOCATION, MOUNTING OR RACEWAY ROUTING ARE NOT INDICATED OR ARE NOT CLEAR OR CONFLICT (LOCATION OR HEIGHT) COORDINATE WITH OTHER TRADES AND REQUEST CLARIFICATION PRIOR TO ROUGH-IN OR INSTALLATION. DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATION, MOUNTING HEIGHTS OR EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE COORDINATED WITH THE EQUIPMENT REQUIREMENTS AND FIELD CONDITIONS.		5. WIRING AND CONDUIT SHALL BE REQUIRED FOR ALL SWITCHES, AND OUTLETS INDICATED WITH CIRCUIT NUMBERS. PROVIDE ½" CONDUIT , 3#12 UNLESS OTHERWISE INDICATED (1 PHASE, 1 NEUTRAL AND 1 GROUND). WIRE AND CONDUIT SIZES ON HOME RUNS SHALL BE CONTINUOUS THROUGHOUT CIRCUIT. REFER TO VOLTAGE DROP CHART ON SCHEDULE SHEET. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.		2. INSTALL ALL ELECTRICAL DEVICES (FIRE ALARM, SWITCHES, RECEPTACLES, WORK BOXES, JUNCTION BOXES, EXIT SIGNS, LUMINAIRES, ETC.) IN THE LOCATIONS IDENTIFIED OR DIMENSIONS ON THE ARCHITECTURAL PLANS, DETAILS, OR ELEVATIONS.		5. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES/EQUIPMENT LOCATED ON WALLS SCHEDULED FOR REMOVAL (E.G. LIGHTING, RECEPTACLES, CONTROL DEVICES, SWITCHES, POWER DISTRIBUTION EQUIPMENT, FIRE ALARM DEVICES, COMMUNICATION AND DATA DEVICES, ETC.) UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.	
	6. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL AND ALL ITEMS REQUIRED FOR SUCH AN INSTALLATION SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY INDICATED OR MENTIONED.		6. WHERE LOADS ARE ADDED TO EXISTING BRANCH CIRCUITS, VERIFY THAT THE EXISTING CIRCUITS HAVE ADEQUATE CAPACITY TO SUPPORT THE ADDITIONAL LOAD WITHOUT EXCEEDING SPECIFIED MAXIMUM LOAD.		6. RACEWAYS SHALL BE LIMITED TO SIX CURRENT CARRYING CONDUCTORS (PHASE AND NEUTRALS) AND GROUNDING CONDUCTOR. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH SINGLE-PHASE RECEPTACLE OR LIGHTING CIRCUIT. UNLESS OTHERWISE INDICATED OR IF AN OVERSIZED NEUTRAL IS SPECIFIED. CIRCUITS WITH SHARED NEUTRALS SHALL BE PROVIDED WITH CIRCUIT BREAKERS THAT HAVE A COMMON TRIP (E.G. FURNITURE WHIPS)		3. IF THE DEVICE LOCATION IS NOT SPECIFICALLY SHOWN ON ARCHITECTURAL DRAWINGS, FOLLOW THE GUIDELINES LISTED BELOW:		6. DISCONNECT AND REMOVE ALL WIRING FOR EQUIPMENT, SCHEDULED TO BE REMOVED, BACK TO THE POINT OF CONNECTION OR THE NEXT ACTIVE DEVICE SCHEDULED TO REMAIN. NOTHING SHALL BE ABANDONED IN PLACE.	
	7. VISIT THE SITE TO DETERMINE PRE-EXISTING CONDITIONS AND WORK NECESSARY PRIOR TO SUBMISSION OF BID PRICE. SUBMIT ANY QUESTIONS REQUIRED TO CLARIFY SCOPE PRIOR TO BID. INCLUDE ALL REQUIRED WORK IN BID PRICE.		7. UNLESS OTHERWISE DIRECTED, PROVIDE ALL NEW POWER DISTRIBUTION EQUIPMENT WITH AIC RATINGS THAT MATCH OR EXCEED THE AIC RATING OF THE NEXT ACTIVE EXISTING UPSTREAM OVER-CURRENT PROTECTIVE DEVICE SERVING THE PANEL WHEN SERVED DIRECTLY BY ITS SOURCE (E.G. NO TRANSFORMER) OR PROVIDE AIC RATING THAT EXCEEDS BY 10% THE MAXIMUM LET THROUGH FAULT CURRENT (UNDER INFINITE PRIMARY BUSS) OF THE NEXT ACTIVE UPSTREAM TRANSFORMER (EXISTING OR NEW) SERVING THE RESPECTIVE PANEL.		7. MARK ALL CONDUITS AND JUNCTION BOXES WITH PERMANENT MARKER INDICATING PANEL AND CIRCUIT NUMBER OF CONDUCTORS CONTAINED WITHIN. LABEL WHERE CONDUITS ENTER PANELS, WIRE WAYS, PULL BOXES, ETC. LABEL EMPTY CONDUITS WITH SYSTEM (VOICE, DATA, SECURITY, ETC.) AND SOURCE OF CONDUIT.		4. INSTALL NEARBY DEVICES ON ONE COMMON VERTICAL CENTERLINE		7. VERIFY ALL EXISTING SOURCES OF POWER TO DEVICES/EQUIPMENT PRIOR TO FINAL REMOVAL.	
D	8. INCLUDE IN BID WHATEVER IS REQUIRED TO MEET SCHEDULE INCLUDING OVERTIME, EXPRESS SHIPPING, EXPEDITING EQUIPMENT, ETC. PLAN FOR PROJECT AND SUBMIT SHOP DRAWING AND ORDER EQUIPMENT IN A TIMELY MANNER; EQUIPMENT SHALL BE BASED ON THE SPECIFIED EQUIPMENT.		8. ALL NEW PANELS SHALL BE FULLY RATED FOR THE DESIGNATED AIC VALUE; PANELS UTILIZING SERIES RATINGS WILL NOT BE ACCEPTABLE. NEW CIRCUIT BREAKERS PROVIDED IN EXISTING PANELS SHALL BE PROVIDED WITH AIC RATINGS THAT MATCH OR EXCEED THE HIGHEST RATED OVER-CURRENT PROTECTIVE DEVICE WITHIN THE RESPECTIVE EXISTING PANEL.		8. COORDINATE WITH OWNER TO DETERMINE WHICH RECEPTACLES AND ITEMS OF EQUIPMENT REQUIRE STANDBY GENERATOR POWER.		5. INSTALL ADJACENT TO DEVICES LINED UP WITH A COMMON BOTTOM LINE.		8. COORDINATE ALL SHUTDOWN PROCEDURES WITH THE OWNER PRIOR TO DISCONNECTING ANY CIRCUITS.	
	9. ANY EQUIPMENT TO BE SUBSTITUTED SHALL BE IDENTIFIED AT THE TIME OF BID. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBSTITUTIONS.		9. SUBMIT SHORT CIRCUIT STUDY WITH POWER DISTRIBUTION EQUIPMENT SUBMITTALS FOR REVIEW AND APPROVAL. IN THE STUDY DEMONSTRATE THAT THE AIC RATING SELECTIONS ARE PROPERLY INTEGRATED AND COORDINATED WITH THE EXISTING AND NEW POWER DISTRIBUTION EQUIPMENT. CONFIRM THAT THE AIC RATING SELECTIONS HAVE INCORPORATED THE AVAILABLE FAULT DUTY VALUES OBTAINED FROM THE UTILITY COMPANY FOR THE PROJECTS ELECTRICAL SERVICE POINT OF COMMON COUPLING.		9. ELECTRICAL WORK NOT SERVING STAIRWELLS SHALL NOT PASS THROUGH A STAIR ENCLOSURE UNLESS AN APPROVED RATED SOFFIT IS PROVIDED TO MAINTAIN FIRE AND SMOKE RATING.		6. INSTALL DEVICES AT INDICATED HEIGHT AS APPLICABLE UNLESS OTHERWISE NOTED. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT AS INDICATED BY NOTE 7.		9. ALL DEVICES/EQUIPMENT LOCATED ON WALLS SCHEDULED TO REMAIN SHALL BE MAINTAINED; RECIRCUIT THESE DEVICES/EQUIPMENT AS NECESSARY.	
	10. ALL ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.		10. SUBMIT OVER-CURRENT PROTECTIVE DEVICE COORDINATION STUDY, FOR ALL NEW POWER DISTRIBUTION EQUIPMENT, WITH THE POWER DISTRIBUTION EQUIPMENT SUBMITTALS FOR REVIEW AND APPROVAL. INCLUDE THE NEXT ACTIVE EXISTING UPSTREAM OVER-CURRENT PROTECTIVE DEVICES, IN THE STUDY ANALYSIS, WHEN PROJECT IS WITHIN AN EXISTING FACILITY.		10. ALL RACEWAYS CROSSING EXPANSION JOINTS SHALL BE EQUIPPED WITH EXPANSION FITTINGS.		7. ON MASONRY WALLS LINE UP THE BOTTOM OF THE DEVICE WITH A MASONRY JOINT AS CLOSE TO THE INDICATED HEIGHT AS PRACTICAL.		10. WHERE ANY WALL OR SYSTEM COMPONENT REMOVALS IMPACT WIRING TO EXISTING DEVICES/EQUIPMENT SCHEDULED TO REMAIN, PROVIDE WIRING AND CONNECTIONS AS REQUIRED TO RE-FEED THESE DEVICES/EQUIPMENT.	
	11. TEST ALL EQUIPMENT AND SYSTEMS INSTALLED TO CERTIFY COMPLIANCE WITH DRAWINGS, SPECIFICATIONS, CODES, LOCAL AUTHORITIES AND REGULATIONS. INCLUDE LABOR AND COSTS FOR TESTING, REVIEWS, COMMISSIONING, APPROVALS AND CERTIFICATIONS.		11. SUBMIT ARC FLASH REPORT, FOR ALL NEW POWER DISTRIBUTION EQUIPMENT, WITH POWER DISTRIBUTION EQUIPMENT SUBMITTALS FOR REVIEW AND APPROVAL.		11. PROVIDE WATERTIGHT AND GAS TIGHT SEALS INSIDE AND OUTSIDE OF CONDUITS THAT PENETRATE THE BUILDING BELOW GRADE. O.Z. GEDNEY OR APPROVED EQUAL. PROVIDE WEATHER TIGHT SEAL AT PENETRATIONS ABOVE GRADE.		8. INSTALL DEVICES IN SAME AREA AT THE SAME HEIGHT.		11. PROVIDE BLANK COVER PLATES FOR REMOVED POWER AND COMMUNICATIONS OUTLETS IN EXISTING WALLS THAT ARE SCHEDULED TO REMAIN.	
	12. PROVIDE TRAINING TO OWNER ON ALL EQUIPMENT AND SYSTEMS INSTALLED.				12. PROVIDE NRTL LISTED SMOKE AND FIRE SEALS AT ALL PENETRATIONS THROUGH FLOORS OR FULL HEIGHT (FLOOR TO FLOOR) WALLS.		9. MOUNT PANELS SIX FEET TO THE TOP OF THE PANEL OR ANNUNCIATOR/ FA GRAPHIC.		12. THE WORK INCLUDES DISPOSAL OF ALL REMOVED ELECTRICAL DEVICES/EQUIPMENT/CONDUIT/WIRING/BOXES INCLUDING BALLASTS, DRIVERS, LAMPS, THERMOSTATS, ETC. LEGALLY DISPOSE OF ALL HAZARDOUS MATERIALS. COORDINATE WITH THE OWNER TO RECEIVE DIRECTION FOR ANY REMOVED DEVICES/EQUIPMENT THAT THE OWNER WOULD LIKE TO RETAIN. CAREFULLY DISCONNECT AND REMOVED THEM THEN RELOCATE THEM TO A LOCATION ON SITE DESIGNATED BY THE OWNER.	
C	13. TEMPORARY LIGHTING AND POWER SHALL BE PROVIDED AS REQUIRED BY OSHA, CODES AND LOCAL AUTHORITIES. REMOVE ALL TEMPORARY FACILITIES PROVIDED AT PROJECT COMPLETION.						10. MOUNT AT 8 FOOT TO BOTTOM FOR SIGNAGE, EMERGENCY LIGHTING, CLOCKS, SECURITY SENSORS, WALL MOUNTED OCCUPANCY SENSORS MODIFIED AS FOLLOWS: 4" FROM TOP OF DEVICE TO CEILING AND 4" ABOVE DOOR FRAMES.		13. THE ELECTRICAL DEMOLITION FLOOR PLANS REPRESENT THE GENERAL SCOPE AND ARE NOT INTENDED TO SHOW ALL EXISTING EQUIPMENT, WIRING, CONDUITS, BOXES, DEVICES, OR FIXTURES. SURVEY THE WORK AREA AND VERIFY/IDENTIFY IN FIELD ALL DEVICES/EQUIPMENT AND RELATED COMPONENTS PLANNED FOR REMOVAL. COORDINATE WITH OWNER, ARCHITECT OR ENGINEER FOR DEMOLITION SCOPE CLARIFICATION AS NEEDED PRIOR TO REMOVING ITEMS IN QUESTION.	
							11. LOCATE CONTROL DEVICE AT LEAST 18" FROM AN INSIDE CORNER.		14. COORDINATE, IN FIELD, WITH OTHER TRADES AND THEIR SYSTEM COMPONENTS SCHEDULED FOR REMOVAL TO ENSURE ANY RELATED POWER HAS BEEN PROPERLY DISCONNECTED, REMOVED AND MADE SAFE PRIOR TO THEIR RELATED DEMOLITION SCOPE.	
							13. IN FINISHED AREAS ELECTRICAL WORK SHALL BE INSTALLED CONCEALED, RECESSED INTO WALLS OR INSTALLED ABOVE HUNG CEILINGS UNLESS OTHERWISE INDICATED.		15. LIGHTING REMOVALS INCLUDE, BUT ARE NOT LIMITED TO INTERIOR LINEAR FIXTURES AND EXTERIOR WALL MOUNTED FIXTURES AS WELL AS THEIR RELATED CONTROL DEVICES AND WIRING.	
							14. DO NOT INSTALL OUTLETS BACK TO BACK. PROVIDE 24" SPACING IN FIRE RATED WALLS.		16. PROVIDE UPDATED PANEL DIRECTORIES INDICATING NEW LOADS AND SPARES FOR LOADS THAT HAVE BEEN REMOVED. TURN TO THE OFF POSITION ANY CIRCUIT BREAKERS THAT ARE NOT CONNECTED TO A LOAD. PROVIDE PLUGS IN EXISTING PANEL ENCLOSURES WHERE OPENINGS HAVE BEEN LEFT DUE TO REMOVED CONDUITS OR WRING AND PROVIDE BLANKING PLATES IN PANELS WHERE BREAKERS HAVE BEEN REMOVED OR DO NOT EXIST.	
							15. PROVIDE ELECTRICAL OUTLET PLATE GASKETS SEALS AT RECEPTACLES, SWITCHES AND OTHER ELECTRICAL BOXES ON EXTERIOR WALLS AND INTERIOR WALLS BETWEEN CONDITIONED AND NON-CONDITIONED SPACES.			
B										
A										

A1		ELECTRICAL GENERAL NOTES								
Scale: AS INDICATED		Designed by:								
		ISSUED FOR BID - SEPTEMBER 22, 2025								
No.	Revision	By	Date		By	Date		By	Date	
				Designed:	RT	9/22/2025	Checked:	BTG	9/22/2025	
				Drawn:	RT	9/22/2025				
						AEI PROJ.NO.:2561-00002		CAD FILE: 2561-00002.RVT		
								MTA PROJECT MANAGER:		Brian A. Taddeo, P.E.
								CONTRACT: 2026.13.		
								SHEET NUMBER: E-000		
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	1	2	3	4	5	6	7	8	9	10
E										
D	D1	GARDINER PANEL B	D2	YORK PANEL A	D4	YORK PANEL C				

C

Scale: AS INDICATED		Designed by:								THE GOLD STAR MEMORIAL HIGHWAY		AIR HANDLER REPLACEMENTS YORK AND GARDINER MAINTENANCE FACILITIES ELECTRICAL DETAILS	
No.	Revision	By	Date	ISSUED FOR BID - SEPTEMBER 22, 2025		160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266							
				Designed:	By	Date	Checked:	By	Date	MTA PROJECT MANAGER:		SHEET NUMBER: E-500	
				Drawn:	RT	9/22/2025			9/22/2025	CONTRACT: 2026.13.		12 OF 13	
				AEI PROJ.NO.:2561-00002		CAD FILE: 2561-00002.RVT				Brian A. Taddeo, P.E.			

PANEL SCHEDULE ~B GARDINER(E)									
VOLTAGE: 240/120V				MCB: 225A		AIC: 10k			
1-PHASE, 3-WIRE									
CIRCUIT BREAKER				CIRCUIT LOAD (KVA)...		BRANCH CIRCUIT DESCRIPTION			
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B				
1	20	1	A	0.60		LIGHTING			
3	20	1	B		1.50	LIGHTING			
5	20	1	A	1.30		HEATERS			
7	20	1	B		0.72	RECEPTACLES			
9	20	1	A	0.72		RECEPTACLES			
11	30	1	B		1.60	GARAGE DOOR OPENER			
13	30	1	A	1.60		GARAGE DOOR OPENER			
15	30	1	B		1.60	GARAGE DOOR OPENER			
17	30	1	A	1.60		GARAGE DOOR OPENER			
19	20	1	B		1.40	HEATERS			
21	20	2	A	1.40		AHU-1			
23	20	1	B		1.40				
25	20	1	A	0.30		WATER HEATER			
27	40	2	B		3.30	CU-1			
29	20	1	A	3.30					
31	20	1	B		0.00	SPACE			
33	20	1	A	0.00		SPACE			
35	20	1	B		0.00	SPACE			
37	20	1	A	0.00		SPACE			
39	20	1	B		0.00	SPACE			
41	20	1	A	0.00		SPACE			
SUBTOTAL				10.82	11.52				
2	20	1	A	1.50		LIGHTING-ATTIC			
4	20	1	B		1.00	LIGHTING			
6	20	1	A	0.72		RECEPTACLES			
8	20	1	B		0.72	RECEPTACLES			
10	30	1	A	1.60		GARAGE DOOR OPENER			
12	30	1	B		1.60	GARAGE DOOR OPENER			
14	30	1	A			GARAGE DOOR OPENER			
16	40	2	B		3.30	CU-1			
18	20	1	B		3.30				
20	20	1	B		0.00	SPARE			
22	20	1	A	1.00		ATTIC RECEPTACLE			
24	20	2	B		0.00	SPARE			
26	20	2	A	0.00					
28	20	1	B		0.00	SPACE			
30	20	1	A	0.00		SPACE			
32	20	1	B		0.00	SPACE			
34	20	1	A	0.00		SPACE			
36	20	1	B		0.00	SPACE			
38	20	1	A	0.00		SPACE			
40	20	1	B		0.00	SPACE			
42	20	1	A	0.00		SPACE			
SUBTOTAL				8.12	6.62				

PANEL SCHEDULE ~B GARDINER REVISED									
VOLTAGE: 240/120V				MCB: 225A		AIC: 10k			
1-PHASE, 3-WIRE									
CIRCUIT BREAKER				CIRCUIT LOAD		BRANCH CIRCUIT DESCRIPTION			
CKT NO	BRKR SIZE	NO OF POLES	PH	(KVA)...					
				A	B				
1	20	1	A	0.60		LIGHTING			
3	20	1	B		1.50	LIGHTING			
5	20	1	A	1.30		HEATERS			
7	20	1	B		0.72	RECEPTACLES			
9	20	1	A	0.72		RECEPTACLES			
11	30	1	B		1.60	GARAGE DOOR OPENER			
13	30	1	A	1.60		GARAGE DOOR OPENER			
15	30	1	B		1.60	GARAGE DOOR OPENER			
17	30	1	A	1.60		GARAGE DOOR OPENER			
19	20	1	B		1.40	HEATERS			
21	15	2	A	1.20		AHU-1			
23			B		1.20				
25	20	1	A	0.30		WATER HEATER			
27			B		2.50	CU-1			
29	45	2	A	2.50					
31			B		2.35	DC-1			
33	30	2	A	2.35					
35	20	1	B		0.00	SPACE			
37	20	1	A	0.00		SPACE			
39	20	1	B		0.00	SPACE			
41	20	1	A	0.00		SPACE			
SUBTOTAL				12.17	12.87				
2	20	1	A	1.50		LIGHTING-ATTIC			
4	20	1	B		1.00	LIGHTING			
6	20	1	A	0.72		RECEPTACLES			
8	20	1	B		0.72	RECEPTACLES			
10	30	1	A	1.60		GARAGE DOOR OPENER			
12	30	1	B		1.60	GARAGE DOOR OPENER			
14	30	1	A			GARAGE DOOR OPENER			
16			B		2.50	CU-2			
18	45	2	A	2.50					
20	20	1	B		0.00	SPARE			
22	20	1	A	1.00		ATTIC RECEPTACLE			
24	20	2	B		0.00	SPARE			
26			A	0.00					
28	15	1	B		0.48	DF-1			
30	20	1	A	0.00		SPACE			
32	20	1	B		0.00	SPACE			
34	20	1	A	0.00		SPACE			
36	20	1	B		0.00	SPACE			
38	20	1	A	0.00		SPACE			
40	20	1	B		0.00	SPACE			
42	20	1	A	0.00		SPACE			
SUBTOTAL				7.32	6.30				

PANEL SCHEDULE ~A YORK(E)									
VOLTAGE: 240/120V				MCB: 125A		AIC: 10k			
1-PHASE, 3-WIRE									
CIRCUIT BREAKER				CIRCUIT LOAD (KVA)...		BRANCH CIRCUIT DESCRIPTION			
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B				
1	20	1	A	1.70		LIGHTING			
3	20	1	B		0.90	LIGHTING			
5	20	1	A	1.50		FUEL DISP. LIGHT			
7	20	1	B		0.60	LIGHTS (OUTSIDE) SO.			
9	20	1	A	0.60		LIGHTS (OUTSIDE) W.			
11	30	1	B		0.80	REFRIGERATOR			
13	30	1	A	0.72		RECEPTACLE			
15	30	1	B		0.72	RECEPTACLE			
17	30	1	A	0.72		RECEPTACLE			
19	20	1	B		-	AHU-1 LUNCH ROOM (E) GF-1			
21	20	1	A	-		AHU-1 OFFICE (E) GF-2			
23	20	1	B		0.42	EXHAUST FANS			
25	20	1	A	-		SITE LIGHTS (POLES)			
27	20	1	B		-	WATER HEATER			
29	20	1	A	-		PAINT ROOM ALARM			
31	40	2	B		-	RANGE			
33	40	2	A	-					
35	20	1	B		-	WATER COOLER RECEPTACLES			
37	20	1	A	-		PETROVEND FUEL CONTROLLER			
39	20	1	B		0.00	FUEL DISPENSER			
41	20	1	A	0.00					
SUBTOTAL				5.24	3.44				
2	20	1	A	-		LIGHTING			
4	20	1	B		-	LIGHTING			
6	20	1	A	-		PANEL SURGE			
8	20	1	B		-	PANEL SURGE			
10	30	1	A	-		VENDING MACHINE			
12	30	1	B		-	VENDING MACHINE			
14	30	1	A	-		VENDING MACHINE			
16	20	1	B		-	RECEPTACLE			
18	20	1	A	-		TELEPHONE BACKBOARD			
20	20	1	B		-	FIRE ALARM CONTROL PANEL			
22	20	1	A	-		VEEDER ROOF FUEL SYSTEM			
24	20	2	B		-	SEPTIC TANK PUMP			
26	20	1	A	-					
28	20	1	B		-	ROOF HEAT TAPE			
30	20	1	A	-		ROOF HEAT TAPE			
32	20	1	B		-	ROOF HEAT TAPE			
34	20	1	A	-		LENEL CARD READERS			
36	20	2	B		-				
38	20	2	A	-		DIESEL SUBMERSIBLE			
40	20	2	B		-				
42	20	2	A	-		GAS SUBMERSIBLE			
SUBTOTAL				0.00	0.00				