

H.V.A.C. NOTES

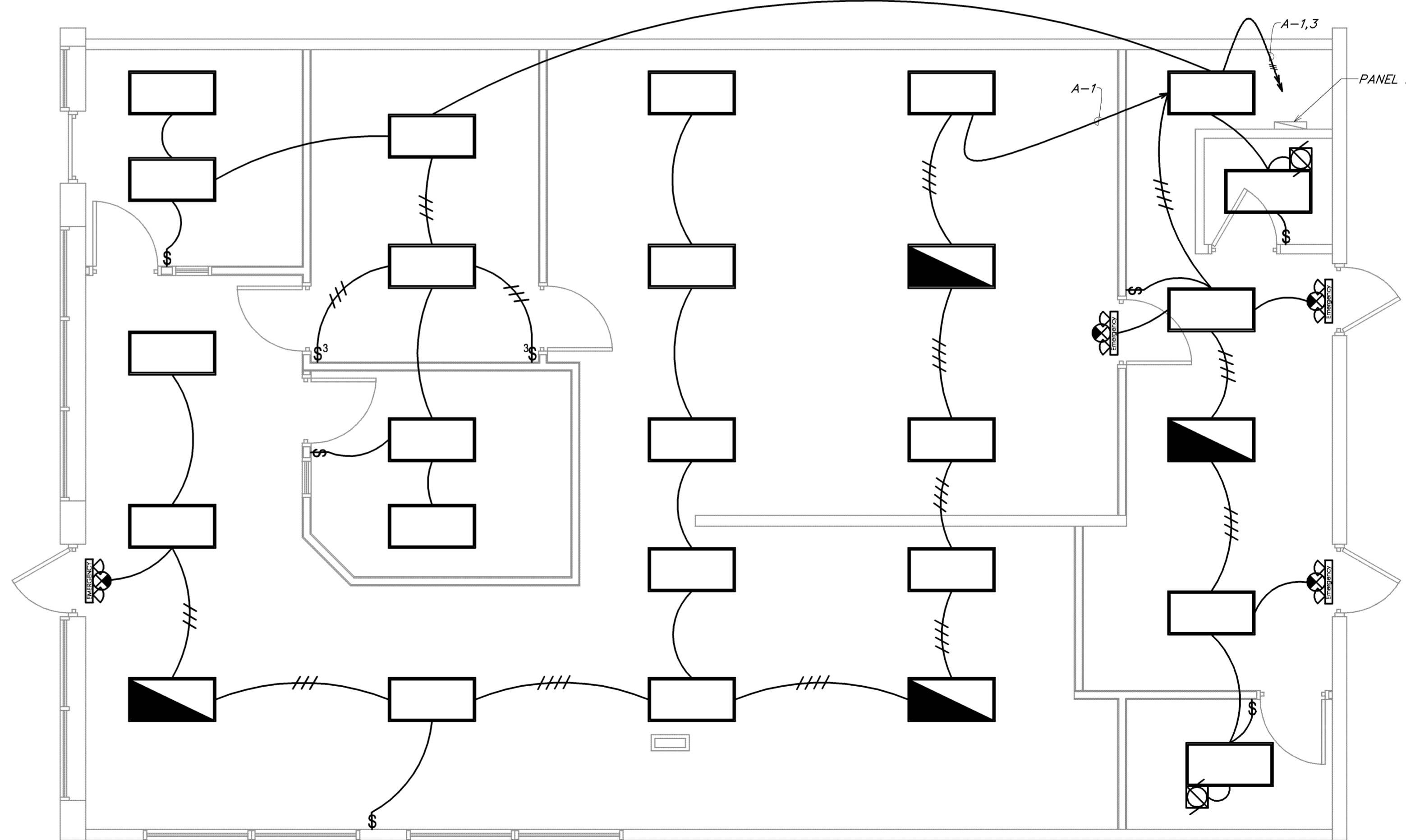
- HEATING, VENTILATING AND AIR CONDITIONING CONTRACTOR SHALL FURNISH AND INSTALL ALL DUCTWORK, DUCTWORK INSTALLATION, REGISTERS, GRILLES, DIFFUSERS AND TERMINAL BOXES.
- HEATING, VENTILATING AND AIR CONDITIONING CONTRACTORS SHALL FURNISH ALL EQUIPMENT TEMPERATURE CONTROL COMPONENTS AND ANY SPECIAL MOUNTING OR SUPPORT PACKAGE.
- HEATING, VENTILATING AND AIR CONDITIONING CONTRACTORS SHALL INSTALL ALL H.V.A.C. EQUIPMENT.
- ALL WORK TO COMPLY TO LOCAL, MUNICIPAL AND NATIONAL HEATING AND VENTILATION CODES.
- CONTRACTOR TO COORDINATE ALL WORK WITH THE RESPECTIVE TRADES AND VERIFY LOCATIONS FROM THE ARCHITECTURAL DRAWINGS AND FIELD MEASUREMENTS AND SUPPLIER SHOP DRAWINGS.
- CONTRACTOR TO VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORK AND FACILITY LOCATIONS AND VERIFY WITH GOVERNING BODIES.
- OBTAIN AND PAY ALL PERMIT AND INSPECTION FEES AS REQUIRED FOR THIS PORTION OF THE WORK.
- LAYOUT IS DIAGRAMMATIC AND CONTRACTOR SHALL INSTALL EQUIPMENT AND DUCTWORK TO MEET THE FIELD CONDITIONS AND PROVIDE SHOP DRAWINGS AS MAY BE REQUIRED FOR THE WORK.
- ALL DUCTWORK CONSTRUCTION SHALL CONFORM TO LOCAL CODES AS WELL AS A.S.H.R.A.E. AND S.M.A.C.N.A. CONSTRUCTION STANDARDS FOR LOW VELOCITY DUCTWORK CONSTRUCTION AND NFPA 190-A.
- BRANCH TAKE-OFFS SHALL HAVE SPLITTER DAMPERS OR MANUAL DAMPERS FOR ALL SUPPLY OR RETURN AIR DUCT BRANCHES. ALL MAIN BRANCHES SHALL HAVE MANUAL DAMPERS.
- UPON COMPLETION OF INSTALLATION OF VENTILATION DUCTS, CLEAN ENTIRE SYSTEM OF RUBBISH, PLASTER, DIRT, ETC. BEFORE INSTALLING GRILLES OR DIFFUSERS.
- AFTER ADJUSTMENTS HAVE BEEN MADE TO THE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM, THE HEATING, VENTILATING AND AIR CONDITIONING CONTRACTOR SHALL BALANCE THE AIR DISTRIBUTION SYSTEM, SUBMIT THREE SETS OF DATA OF THE TEST AND BALANCE TO THE OWNER FOR APPROVAL.
- ALL NEW DUCTWORK SHALL BE LINED WITH 1" FIBERGLASS ACOUSTIC LINING, CONSTRUCTED PER SMACNA STANDARDS, STANDARDS, MAXIMUM 9'-0" FLEX DUCTWORK ALLOWED.
- PROVIDE FACTOR FABRICATED TURNING VANES IN ALL SQUARE TURN ELBOWS.
- PROVIDE FLEXIBLE DUCT CONNECTORS BETWEEN DUCTS, FANS AND AIR HANDLING UNITS AND ALSO IN DUCTS CROSSING BUILDING EXPANSION JOINTS.
- NO GRILLES WILL BE INSTALLED IN ANY DOOR NOR WILL UNDERCUTTING OF ANY DOOR BE PERMITTED.
- PROVIDE MANUAL DAMPERS AT SUPPLY GRILLES.
- PROVIDE MECHANICAL VENTILATION IN ALL ROOMS CAPABLE OF SUPPLYING A MINIMUM OF 15 CUBIC FEET PER MINUTE OF OUTSIDE AIR.
- G.C. TO COORDINATE WITH SPRINKLER CONTRACTOR ON ANY ADJUSTMENTS TO EXISTING SPRINKLER SYSTEM, (IF APPLICABLE)

ALL H.V.A.C. EQUIPMENT EXISTING, TO BE REUSED

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING 2x4' PRISMATIC 4 BULB FLUORESCENT FIXTURE		TYPICAL SUPPLY DIFFUSER WITH MANUEL DAMPER	\$	SINGLE POLE SWITCH (+4'-0" A.F.F.)
	NEW 2x4' PRISMATIC 4 BULB FLUORESCENT FIXTURE		TYPICAL RETURN/ EXHAUST GRILLE		HONEYWELL "MAGICSTAT" PROGRAMMABLE THERMOSTAT. #CT3200A1001 OR EQUAL.
	2x4' PRISMATIC 4 BULB FLUORESCENT FIXTURE (1) TUBE OPERATING AS A NIGHT LIGHT.		COMBINATION LIGHT/ EXHAUST FAN (TOILET ROOM)		COMBINATION EXIT SIGN & EMERGENCY LIGHT
					2-A RATED FIRE EXTINGUISHER

2 FIXTURE LEGEND

SCALE: SCALE



3 LIGHTING PLAN

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

1 GENERAL NOTES

SCALE: SCALE

Beneficial

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LIGHTING PLAN

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Revisions

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ARCHITECT
I HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION AND THAT TO THE BEST OF MY KNOWLEDGE, THE SAME COMPLY WITH ALL RULES, REGULATIONS AND ORDINANCES OF PORTLAND, ME. RELATING TO STRUCTURES AND BUILDINGS.

BRANCH # 56-1700

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