

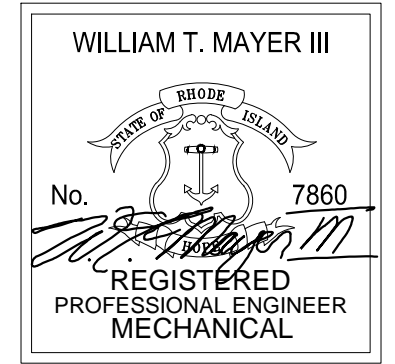
LEGEND

	CEILING DIFFUSER
	CEILING REGISTER
	EQUIPMENT SYMBOL
	CEILING EXHAUST FAN
	THERMOSTAT/SENSOR
	HUMIDISTAT
	NITROGEN DIOXIDE SENSOR
	CARBON MONOXIDE MONITOR
	DUCTWORK
	SQUARE ELBOW W/ DOUBLE RADIUS TURNING VANES (TYP. ALL 90° ELBOWS DOWNSTREAM OF FANS)
	OPPOSED BLADE TYPE VOLUME DAMPER
	MOTORIZED DAMPER
	CEILING RADIATION DAMPER WITH DUCT ACCESS DOOR
	CONDENSATE PIPING
	POINT OF CONNECTION BETWEEN NEW AND EXISTING
	BARRIER BARS (PRICE MODEL MSBG)

GENERAL NOTES

- ALL DUCTWORK SIZES AND LOCATIONS INDICATED ON DRAWINGS ARE THOSE WHICH ARE PREFERRED. IN THAT INTERFERENCES MAY OCCUR DUE TO UNFORESEEN CIRCUMSTANCES AND SYSTEMS, THE CONTRACTOR SHALL VARY SIZES AND LOCATIONS OF DUCTWORK AND DUCT SYSTEMS TO ACCOMMODATE INSTALLATION. IN ANY CASE, THE CROSS SECTIONAL AREA OF THE DUCTWORK SHALL BE MAINTAINED ANY DEVIATIONS SHALL BE APPROVED BY THE ENGINEER. DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE DIMENSIONS.
- THE CONTRACTOR SHALL COORDINATE ALL DUCTWORK, PIPING & EQUIPMENT WITH THE GENERAL CONTRACTOR, ALL OTHER TRADES AND STRUCTURAL BUILDING FEATURES INCLUDING WALL OR ROOF PENETRATIONS. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY OFFSETS OR FITTINGS REQUIRED TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES. PROVIDE U.L. APPROVED FIRE AND/OR SMOKE DAMPERS IN ALL REQUIRED PENETRATIONS FOR DUCTWORK, GRILLES, REGISTERS AND DIFFUSERS. PROVIDE AND INSTALL DUCT MOUNTED HINGED ACCESS DOORS FOR ALL FIRE OR COMBINATION FIRE/SMOKE DAMPERS NOT OTHERWISE ACCESSIBLE. ALL PIPE AND DUCTWORK PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. APPROVED FIRE PROOF CAULKING MATERIAL.
- CONTRACTOR SHALL PROVIDE ACCESS PANELS IN SOLID & NON-REMOVABLE CEILINGS, WALLS AND ANY OTHER ENCLOSURES TO PROVIDE ACCESS TO ANY BALANCING MECHANISM, CONTROL MECHANISM OR ANY OTHER RELATED DEVICE. SELECTION OF TYPE, INSTALLATION LOCATION, COLOR, ETC. SHALL MATCH THAT OF ASSOCIATED CEILING, WALL OR ENCLOSURE. THE ACCESS PANELS SHALL BE FURNISHED UNDER DIVISION 15 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS. ACCESS PANEL RATING SHALL MATCH CLASSIFICATION OF WALL OR CEILING FIRE RATING.
- PROVIDE CONDENSATE TRAPS AT CONNECTIONS TO ALL CONDENSATE PRODUCING EQUIPMENT. RUN CONDENSATE TO NEAREST FLOOR DRAIN / JANITOR'S SINK / OPEN END DRAIN. ALL CONDENSATE PIPING & TRAPS IN THE ATTIC SPACE TO BE INSTALLED BELOW BUILDING INSULATION. PROVIDE NEW 120VOLT CONDENSATE PUMPS & CIRCUITING AS REQUIRED.
- ALL THERMOSTAT/SENSOR LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.
- ROOF CUTTING, FLASHING, SEALING, ETC. TO BE ACCOMPLISHED BY A ROOFING CONTRACTOR APPROVED BY THE EXISTING ROOF MANUFACTURER AND INSTALLED IN ACCORDANCE WITH ROOF MANUFACTURER'S RECOMMENDATIONS SO AS NOT TO VOID ROOF WARRANTY.
- DISCONNECT AND REMOVE ALL EXISTING EQUIPMENT, PIPING, DUCTWORK, REGISTERS, SUPPORTS, HANGERS, AND ALL OTHER MECHANICAL COMPONENTS MADE OBSOLETE BY THIS PROJECT.
- PROVIDE ALL REQUIRED CUTTING AND PATCHING AS REQUIRED TO COMPLETE THE INSTALLATION OF NEW MECHANICAL SYSTEM. PATCH ALL SURFACES TO MATCH AND MAINTAIN ALL FIRE RATINGS.
- PROVIDE FIRE/SMOKE/RADIATION DAMPERS AS REQUIRED TO MAINTAIN FIRE RATINGS. CEILING RADIATION DAMPERS TO BE INSTALLED IN ALL DUCTS THAT PENETRATE THE RATED ATTIC/CEILING MEMBRANE.
- FINAL LOCATION OF ALL REGISTERS, GRILLES AND DIFFUSERS TO BE COORDINATED WITH THE CEILING GRID, LIGHTING FIXTURES & ALL OTHER DEVICES BEFORE INSTALLATION.
- OUTSIDE AIR FOR THE HVAC UNITS SHALL BE A MINIMUM OF 10 FEET FROM ANY SOURCE OF BLDG EXHAUST AIR, EXHAUST FANS, EXHAUST OPENINGS, AND PLUMBING VENTS.
- ANY ADDITIONAL/SUPPLEMENTAL STEEL MEMBERS REQUIRED TO SUPPORT DUCTWORK OR EQUIPMENT FROM MAIN STRUCTURE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL NEW EQUIPMENT LOCATIONS & WEIGHTS SHALL BE COORDINATED WITH THE OWNER'S STRUCTURAL ENGINEER PRIOR TO PURCHASE AND INSTALLATION. PROVIDE ANY ADDITIONAL SUPPORT STEEL AS REQUIRED.
- FINAL LOCATION OF ALL LOUVERS, PIPES, CONDUITS, ETC... PENETRATING THE EXTERIOR WALLS TO BE REVIEWED AND APPROVED BY THE ARCHITECT BEFORE INSTALLATION.
- IN THE DETENTION, PROCESSING & SECURE AREAS, ALL THE VOLUME DAMPERS SHALL BE CONTROLLED WITH REMOTE CABLE TYPE CONTROLLERS AS MANUFACTURED BY BOWDEN. PROVIDE ALL REQUIRED HARDWARE TO MAKE COMPLETELY OPERATIONAL. LOCATE CONTROLLER w/ CONCEALED COVER PLATE IN ADJACENT NON SECURE AREAS.
- ALL REGISTER, GRILLES & DIFFUSERS IN DETENTION, PROCESSING & SECURE AREAS SHALL BE SECURITY GRADE WITH TAMPERPROOF HARDWARE & FASTENERS. PROVIDE MOUNTING SUPPORTS FROM BUILDING STRUCTURE TO ACCOMMODATE CEILING MOUNTED INSTALLATIONS.
- ALL INSTALLED FLEXIBLE DUCTWORK TO BE SUPPORTED AT 3'-0" MAXIMUM SPACING TO PREVENT SAGGING. FLEXIBLE DUCTS THAT EXCEED 6'-0" SHOULD BE REPLACED WITH RIGID DUCTS WHERE SAGGING CANT BE ELIMINATED.

CERTIFICATION :



THIS DRAWING IS A PART OF AN INTEGRATED SET OF CONSTRUCTION CONTRACT DOCUMENTS. REFER TO ALL DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO "GENERAL CONDITIONS" "SUMMARY OF WORK", AND ANY APPLICABLE MANUFACTURERS TECHNICAL SPECIFICATIONS.

REFER TO ALL DRAWINGS FOR COMPLETE SCOPE OF WORK.

THIS DRAWING IS NOT TO BE SCALED OR USED AS AN AS-BUILT.

REV. NO.	DATE	DESCRIPTION



PROJECT NAME:

SCITUATE POLICE STATION

SHEET TITLE:

**MECHANICAL:
LEGENDS & NOTES**

JOB NO.: 19349MU

DRAWN BY: KB

CHECKED BY: WM

DATE ISSUED: 03.12.2020

SCALE: AS NOTED

SHEET NO.:

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