

SPECIFICATIONS & NOTES:

CONTRACTOR SHALL VISIT THE SITE TO DETERMINE PRE-EXISTING CONDITIONS AND ALL WORK NECESSARY PRIOR TO BIDDING. VERIFY ALL MEASUREMENTS INDICATED, ALL OFFSETS, OBSTRUCTIONS, AND EXISTING CONFIGURATIONS AND CONSTRAINTS MUST BE FIELD VERIFIED.

OBTAIN NECESSARY PERMITS AND PAY ASSOCIATED FEES.

COORDINATE ANY SERVICE DISRUPTIONS WITH THE OWNER.

INSTALL ALL COMPONENTS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS, ALL LOCAL CODES AND STANDARDS, AND UNIFORM PREVENT REQUIREMENTS.

COORDINATE INSTALLATIONS WITH OTHER TRADES.

THE INTENTION OF THESE CONTRACT DOCUMENTS IS TO CALL FOR FINISHED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY LABOR NOT MENTIONED IN THE CONTRACT DOCUMENTS BUT REQUIRED FOR FUNCTIONING SYSTEMS SHALL BE PROVIDED. SHOULD THERE APPEAR ANY DISCREPANCIES OR OMISSIONS OF INFORMATION, THE CONTRACTOR SHALL REFER THE MATTER TO THE ARCHITECT FOR DECISION BEFORE START OF ANY RELATED WORK.

PERFORM WORK IN ACCORDANCE WITH LOCAL CODES.

SEAL ALL DUCT AND PIPE PENETRATIONS WITH FIRE SEALANT.

OBSERVE THE OWNER'S CLEANLINESS PROTOCOLS.

METAL DUCTWORK
GALVANIZED STEEL DUCTWORK: ASTM A653 GALVANIZED STEEL SHEET, LOCK-FORMING QUALITY, AND 600 ZINC COATING. ALL DUCTWORK SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONSTRUCT DUCT SYSTEMS SO THAT LEAKAGE DOES NOT EXCEED ONE PERCENT OF THE TOTAL AIR QUANTITIES. SEAL ALL DUCT JOINTS WITH GUNNED CONNECTORS, DOWEL, OR EQUAL.

SUCTWORK PRESSURE/SEAL CLASS:

SUPPLY DUCTWORK DOWNSTREAM OF DUAL DUCT VAV TERMINAL UNITS: 6 INCH/CLASS A.

INSULATE DUCTWORK WITH 1-1/2" F.E. BLANKET WITH VAPOR BARRIER (E.G. EQUAL TO SMOULDER RESISTIVE TYPE 75, ASTM G055), WITH FSK FACING.

PROVIDE VOLUME DAMPERS AT ALL BRANCH DUCTS.

SPECIFICATIONS & NOTES: (CONT)

INSULATED FLEXIBLE DUCTS
ALUMINUM LAMINATE AND POLYESTER FILM WITH LATEX ADHESIVE SUPPORTED WITH POLYURETHANE FOAM INSULATION. COATED WITH POLYURETHANE VAPOR BARRIER FILM. R-VALUE = 4.2, UL 181, CLASS 1, MAXIMUM LENGTH: 5 FEET.

ACOUSTICAL DUCT/PLENUM LINER
1-1/2" THICK, BONDED GLASS FIBER FLEXIBLE BLANKET, 1.5 LBZ/CUBIC FOOT, WITH 1/4" POLYURETHANE VAPOR BARRIER. MEET ALL APPLICABLE REQUIREMENTS. LINER SHALL COMPLY WITH NFPA 90A/90B AND ASTM C 1071.

APPLY LINER AS PER MANUFACTURER'S RECOMMENDATIONS UTILIZING FASTENERS.

SEAL ALL PENETRATIONS BETWEEN LINER AND SHEET METAL, AND METAL PENETRATIONS.

DUAL DUCT VAV TERMINAL UNITS
DESIGN IS BASED ON TITLE, PRESSURE INDEPENDENT, COMPLETE WITH SEPARATE INLET MULTI-POINT AIRFLOW SENSORS AND DAMPER ASSEMBLIES. DAMPER ASSEMBLIES SHALL BE PRESSURE INDEPENDENT AND SHALL BE INTERNALLY LINED WITH NON-POROUS, FIBER-FREE SEALED LINER WHICH COMPLIES WITH UL 181 AND NFPA 285. DAMPERS OF HEAVY GAUGE STEEL.

HEATING AND COOLING INLETS SHALL HAVE SEPARATE DAMPER ASSEMBLIES WITH INLET DAMPERS MECHANICALLY INTERCONNECTED. INLETS SHALL BE VARIABLE OR CONSTANT VOLUME TOTAL DISCHARGE APPLICATION TERMINALS WITH INLET DAMPERS MECHANICALLY INTERCONNECTED. ARE NOT ACCEPTABLE, SELF-LUBRICATING BEARINGS. GAUGE STEEL WITH SOLID SHIRT ROTATING IN.

UNIT SHALL INCLUDE A MIXER-ATTENUATOR SECTION AS AN INTEGRAL PART OF THE TERMINAL. MINIMIZE DOWNSTREAM STRATIFICATION.

PROVIDE 24 VOLT CONTROL TRANSFORMER.

INSTALL 24 VOLT CONTROL TRANSFORMER.

EXTEND THE EXISTING WIRE AND/OR CONTROL SYSTEM TO SERVE THE RENOVATED AREA. ALL NEW CONTROLS SHALL BE ELECTRONIC/DC.

PROVIDE COMPLETE CONTROLS FOR VAV TERMINAL UNITS.

SEQUENCE OF OPERATION:

ON A CALL FOR COOLING, COLD AIR DAMPER SHALL MODULATE OPEN TO SHIRT SPACE TEMPERATURE SET POINT OF 75 DEG F. (66).

ON A CALL FOR HEATING, WARM AIR DAMPER SHALL MODULATE OPEN TO SHIRT SPACE TEMPERATURE SET POINT OF 72 DEG F. (66).

COOLING AND HEATING AIR DAMPERS SHALL MAINTAIN A MIXED MINIMUM AIR FLOW AS SCHEDULED ON DRAWINGS.

TESTING, ADJUSTING, AND BALANCING (T-A-B)

TEST, ADJUST, AND BALANCE EQUIPMENT AND DISTRIBUTION SYSTEMS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. TESTS SHALL BE PERFORMED BY AND INDEPENDENT T-A-B AGENCY.

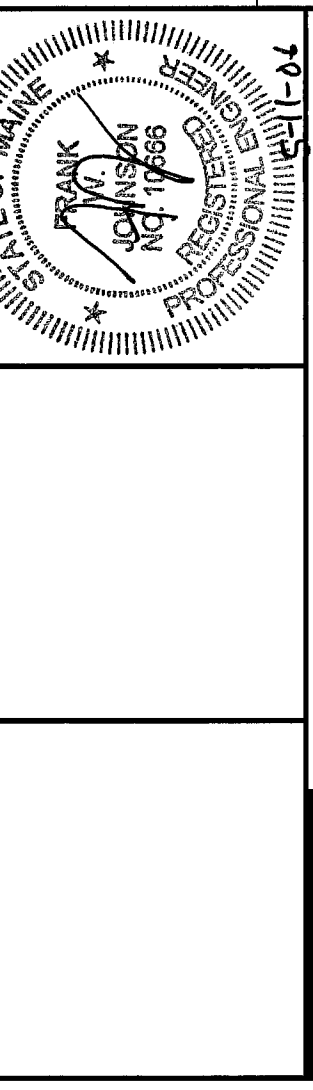
T-A-B ALL NEW AIR INLETS AND OUTLETS, INCLUDING DESIGN AND ACTUAL CFM.

T-A-B NEW DUAL DUCT VAV TERMINAL UNITS.

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	5-11-06

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CURRENT ISSUE STATUS:



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PROJECT:
UnumProvident HO-1
MITCO VALVE REPLACEMENT
PORTLAND, ME.

SPECIFICATIONS & NOTES

SHEET TITLE:	NTS	DATE:	5-11-06
SCALE:	JLH	GRAPHIC SCALE:	0"
PROJECT MANAGER:	DAH		
JOB CHG/DRAWN:	FWJ		
A/E OF RECORD:	M-002-06006	SHEET No.	M-002
SMART CAD FILE:	06006	PROJECT No.	