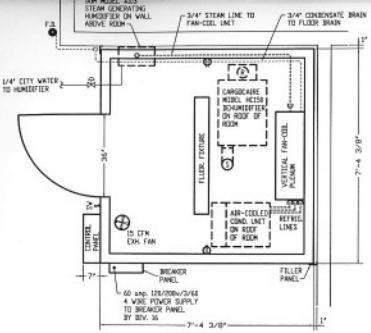
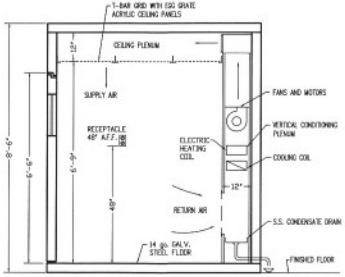


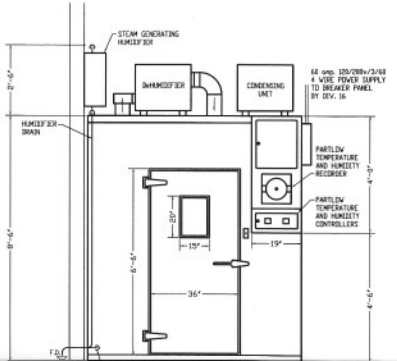
PLAN



SECTION

GENERAL NOTES

TEMPERATURE RANGE:	0°C TO 68°C +/- 83°C
HIGH HUMIDITY RANGE:	90% R.H. @ 28°C +/- 5% R.H.
LOW HUMIDITY RANGE:	40% R.H. @ 5°C +/- 5% R.H.
EXTERIOR DIMENSION:	7'-4 3/8" x 7'-4 3/8" x 8'-6" HIGH
INTERIOR DIMENSION:	6'-8 3/8" x 7'-4 3/8" x 8'-9" HIGH
PANEL INSULATION:	PREFABRICATED INSULATED PANELS 4"(R34) THICK. C.F.C. FREE FOAMED-IN-PLACE URETHANE.
PANEL FINISHES:	INTERIOR AND EXTERIOR TO BE BAKED WHITE ENAMEL ON 28 ga. GALVANIZED STEEL
FLOORS:	14 GAUGE GALVANIZED STEEL
CEILING:	ALUMINUM T-BAR CEILING WITH WASHABLE EGG-CRATE LAY-IN PANELS. CEILING HEIGHT AT 6'-9" ABOVE FLOOR
DOORS:	34"x78" HIGH, SWING DOOR COMPLETE WITH, ANTI-CONDENSATE DOOR FRAME HEATER, 15"x 20" WINDOW, CHROME PLATED HINGES AND LATCH WITH INSIDE SAFETY RELEASE, AND MAGNETIC GASKETS
LIGHTING:	ONE - VAPOR-PROOF 80 WATT LOW TEMPERATURE FLUORESCENT FIXTURES, COMPLETE WITH TWO T8 LAMPS
RECEPTACLES:	2 - 20 amp. 120v VAPOR TIGHT DUPLEX RECEPTACLES MOUNTED 48" ABOVE FLOOR
REFRIGERATION:	AIR-COOLED HERMETIC CONDENSING UNIT COMPLETE WITH PRESSURE CONTROL, SIGHT GLASS, DRIER, EXPANSION VALVE, L.L. SOLENOID, RAPID CYCLE SOLENOID, CRANKCASE PRESSURE REGULATOR & ACCUMULATOR & VIBRATION ABSORBERS ALL MOUNTED ON ROOF OF CHAMBER.
VENTILATION:	15 CFM EXHAUST
VERTICAL FAN COIL UNIT:	BAKED WHITE ALUMINUM PLENUM CONTAINING HOT GAS DEFROST EVAPORATOR COIL, THERMAL EXPANSION VALVES, ELECTRIC HEATER, S.S. CONDENSATE PAN, ONE 1/4 H.P. BLOWER FAN & MOTOR, MOUNTED ON THE BACK WALL OF COLD ROOM
HUMIDIFICATION:	DGH MODEL 103 STEAM GENERATING TYPE HUMIDIFIER ON WALL ABOVE CHAMBER
DeHUMIDIFICATION:	CARGOCAIRE MODEL MD150 DESICCANT RE-GENERATING TYPE DEHUMIDIFIER MOUNTED ON ROOF OF CHAMBER
CONTROL PANEL:	CAN-TROL WHITE ENAMEL ON STEEL LOCKABLE CONTROL PANEL COMPLETE WITH PARTLOW MICROPROCESSOR BASED TEMPERATURE AND HUMIDITY CONTROLLERS WITH DIGITAL READ OUT, R.T.D. TEMPERATURE SENSING, AND VAISALA CAPACITANCE HUMIDITY SENSOR. PARTLOW TWO PEN TEMPERATURE & HUMIDITY RECORDER. HI-LOW TEMPERATURE LIMIT CONTROLS WITH AUDIO-VISUAL ALARMS WITH SILENCE SWITCH
MECHANICAL SERVICES BY DIVISION 15:	1/4" COLD WATER SUPPLY INCLUDING FINAL CONNECTIONS TO HUMIDIFIER 3/4" HUMIDIFIER AND CONDENSATE DRAIN TO FLOOR DRAIN
ELECTRICAL SERVICES BY DIVISION 16:	60 amp. 120/208v/3/60 4 WIRE ELECTRICAL SERVICE TO JUNCTION BOX LOCATED ON TOP OF CHAMBER



CAN-TROL

ENVIRONMENTAL SYSTEMS LIMITED

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