

SECOND FLOOR PART PLAN-EXISTING CONDITIONS/DEMOLITION (HVAC)
SCALE: 1/4"=1'-0"

DRAWING NOTES (HVAC)

- ① EXISTING INTERIOR VAV BOX SUPPORTED ABOVE CEILING TO REMAIN (TYPICAL).
- ② EXISTING EXTERIOR (PERIMETER) VAV BOX SUPPORTED ABOVE CEILING TO REMAIN. EXISTING VAV BOX TO MAINTAIN EXISTING AIRFLOW (TYPICAL).
- ③ EXISTING INTERIOR VAV BOX SUPPORTED ABOVE CEILING TO REMAIN. EXISTING VAV BOX TO MAINTAIN EXISTING AIRFLOW.
- ④ EXISTING SUPPLY AIR DUCTWORK SUPPORTED ABOVE CEILING TO REMAIN (TYPICAL).
- ⑤ EXISTING EXHAUST AIR DUCTWORK SUPPORTED ABOVE CEILING TO REMAIN (TYPICAL).
- ⑥ REMOVE EXISTING EXHAUST AIR DUCTWORK ABOVE CEILING TO POINT INDICATED.
- ⑦ REMOVE EXISTING SUPPLY AIR DUCTWORK ABOVE CEILING TO POINT INDICATED.
- ⑧ REMOVE EXISTING AIR-TITE FITTINGS (TYPICAL).
- ⑨ REMOVE EXISTING AIR DEVICE AS INDICATED AND STOCKPILE FOR RE-USE (TYPICAL).
- ⑩ REMOVE EXISTING VAV BOX AS INDICATED AND STOCKPILE FOR RE-USE (TYPICAL).
- ⑪ REMOVE EXISTING VAV BOX AND TURNOVER TO A BUILDING TENANT OWNER/COORDINATOR FOR BUILDING STOCK.
- ⑫ REMOVE EXISTING THERMOSTAT AND STOCKPILE FOR RE-USE (TYPICAL).
- ⑬ REMOVE EXISTING AIR-TITE FITTING AND PATCH DUCTWORK AIRTIGHT (TYPICAL).
- ⑭ REMOVE EXISTING FLEXIBLE DUCTWORK AS INDICATED (TYPICAL).
- ⑮ CONTRACTOR TO CAP EXISTING DUCTWORK AIRTIGHT AS INDICATED.
- ⑯ CONTRACTOR TO PATCH/SEAL EXISTING DUCTWORK AIRTIGHT AS INDICATED.
- ⑰ CONTRACTOR TO FIELD VERIFY/LOCATE AND REMOVE EXISTING AIR DEVICE ALONG WITH FLEXIBLE DUCT AND TAP BACK AT DUCT. PATCH/SEAL EXISTING DUCTWORK AIRTIGHT.

GENERAL NOTES:

- 1) ALL ITEMS INDICATED BOLD SHALL BE CONSIDERED NEW UNLESS OTHERWISE NOTED.
- 2) CONTRACTOR SHALL ENSURE ALL DUCTWORK IS PROPERLY SEALED, PATCHED AND MADE AIRTIGHT WHERE ANY DEMOLITION AND NEW WORK IS DONE. (TYPICAL ALL DUCTWORK).
- 3) ALL EXISTING THERMOSTATS, BEING RELOCATED, TO BE RECALIBRATED.
- 4) ANY ITEM (AIR DEVICES INCLUDED) NOT BEING REUSED SHALL BE TURNED OVER TO A BUILDING COORDINATOR FOR BUILDING STOCKPILE.
- 5) CONTRACTOR IS TO INSPECT EXISTING ROOFTOP EQUIPMENT SERVING THE REVISED TENANT LAYOUT AND CLEAN FILTERS, LUBRICATE MOTORS AND RECHARGE REFRIGERANT (AS NEEDED) TO OBTAIN MAXIMUM PERFORMANCE.
- 6) ALL MANUFACTURES SHALL BE EQUAL TO THOSE INDICATED.
- 7) CONTRACTOR TO FIELD INSPECT EXISTING ROOFTOP EQUIPMENT SERVING THE REVISED TENANT LAYOUT FOR PROPER OPERATION AND REPORT ANY COSTLY DEFICIENCIES TO THE OWNER.
- 8) ANY CUTTING OR PATCHING OF THE ROOF TO BE DONE BY THE OWNER'S ROOFING CONTRACTOR SO NOT TO VOID ANY ORIGINAL WARRANTIES.
- 9) CONTRACTOR TO INSTALL/SEAL AND TRAP REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.

NOTICE TO CONTRACTORS:

ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITIONS THAT DIFFERS FROM THAT SHOWN ON THIS PLAN SHALL BE REPORTED TO ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATIONS TO SCOPE OF WORK WHICH RESULTS FROM CONTRACTORS NEGLIGENCE TO VISIT THE SITE PRIOR TO SUBMITTING BID, SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY.

MECHANICAL H.V.A.C DESIGN CRITERIA

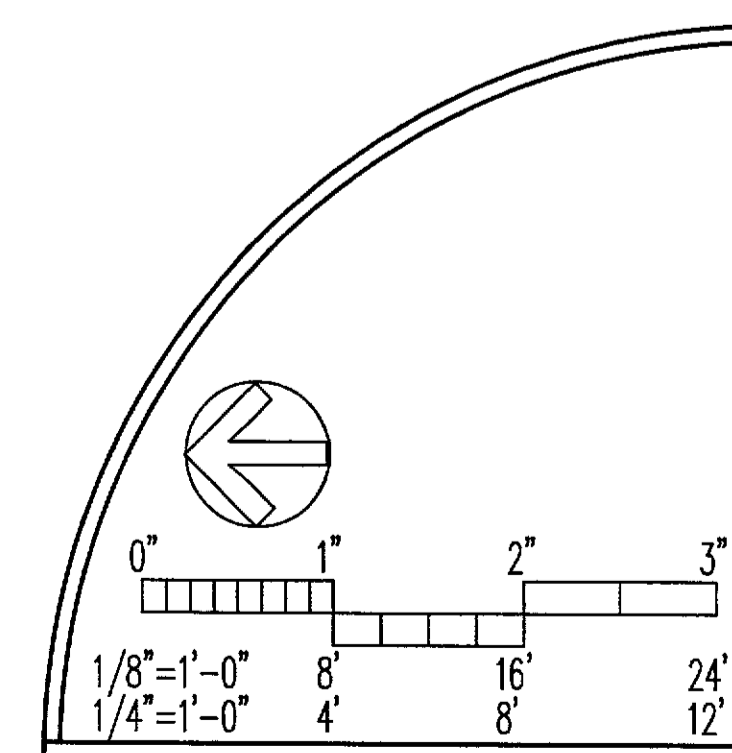
- 1.0 OUTSIDE CONDITIONS
 - A. 93 DEGREES F. DB, SUMMER @ 14 DEGREES WB.
 - B. 5 DEGREES F. DB, WINTER @ 3.1 DEGREES WB.
- 2.0 INSIDE CONDITIONS
 - A. 75 DEGREES F. DB, SUMMER (2 DEGREE F. DB) @ 50% RELATIVE HUMIDITY
 - B. 70 DEGREES F. DB, WINTER (2 DEGREE F. DB)
 - C. 68 DEGREES F. DB, WINTER/SUMMER (2 DEGREE F. DB) FOR PROCEDURE ROOM
- 3.0 OCCUPANCY RATE
 - A. ONE PERSON PER OFFICE/EXAM ROOM
- 4.0 VENTILATION RATE
 - A. INTAKE RATE DETERMINED BY THE BUILDING AUTOMATION SYSTEM
- 5.0 ELECTRICAL LOADS
 - A. 350 WATTS PER P/C (1 PERSON/ PC)
 - B. LIGHTING 2 WATTS PER SQ. FOOT
- 6.0 BUILDING "U" VALUES
 - A. EXTERIOR WALL - .08
 - B. GLASS - .54 "U" VALUE
-.75 SHADING COEFFICIENT

SYMBOLS LEGEND

	VOLUME DAMPER		SANITARY PIPE
	FLEXIBLE CONNECTION		VENT PIPE
	TURNING VANES		COLD WATER PIPE
	SUPPLY DUCT DOWN		HOT WATER PIPE
	SUPPLY DUCT UP		REFRIGERANT LIQUID PIPING
	EXHAUST DUCT DOWN		REFRIGERANT SUCTION PIPING
	EXHAUST DUCT UP		BALL VALVE
	AIRTITE FITTING WITH INTEGRAL VOLUME DAMPER		PUMPED CONDENSATE DRAIN
	SMOKE DAMPER		PIPE DOWN
	FIRE DAMPER		PIPE UP
	FLEXIBLE DUCT		CLEANOUT

C.F.M./¢ CUBIC FEET PER MINUTE

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PART PLAN-EX.CONDITION/DEMO (HVAC)

REV#	DATE	REVISIONS	DESCRIPTION

DON PENN
CONSULTING ENGINEERS
3940 HIGHWAY 58, SUITE 101
GRAPEVINE, TEXAS 76051
817-410-2888 FAX 817-261-0411

InSync ARCHITECTURAL DESIGNS, INC.
3837 JARRETTVILLE PIKE
JARRETTVILLE, MARYLAND 21084
PHONE 410-557-9300
FAX 410-557-2583

REVISIONS TO:
RMS LIFELINE
DETROIT

DRAWING NO. **M1**
1 OF 6
DATE: 1/4/01
DRAWN BY: B.L.
CHECKED BY: G.V.R.
1-100C