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ARCHITECTURE
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STUDIES
PLANNING
INVESTIGATION
EXPERT WITNESS

NEW DENTAL
OFFICE

DR. JONES

7240 CROWDER BLVD.
SUITE 102
NEW ORLEANS, LA

MECHANICAL
PLAN

REV:

SCALE: AS NOTED

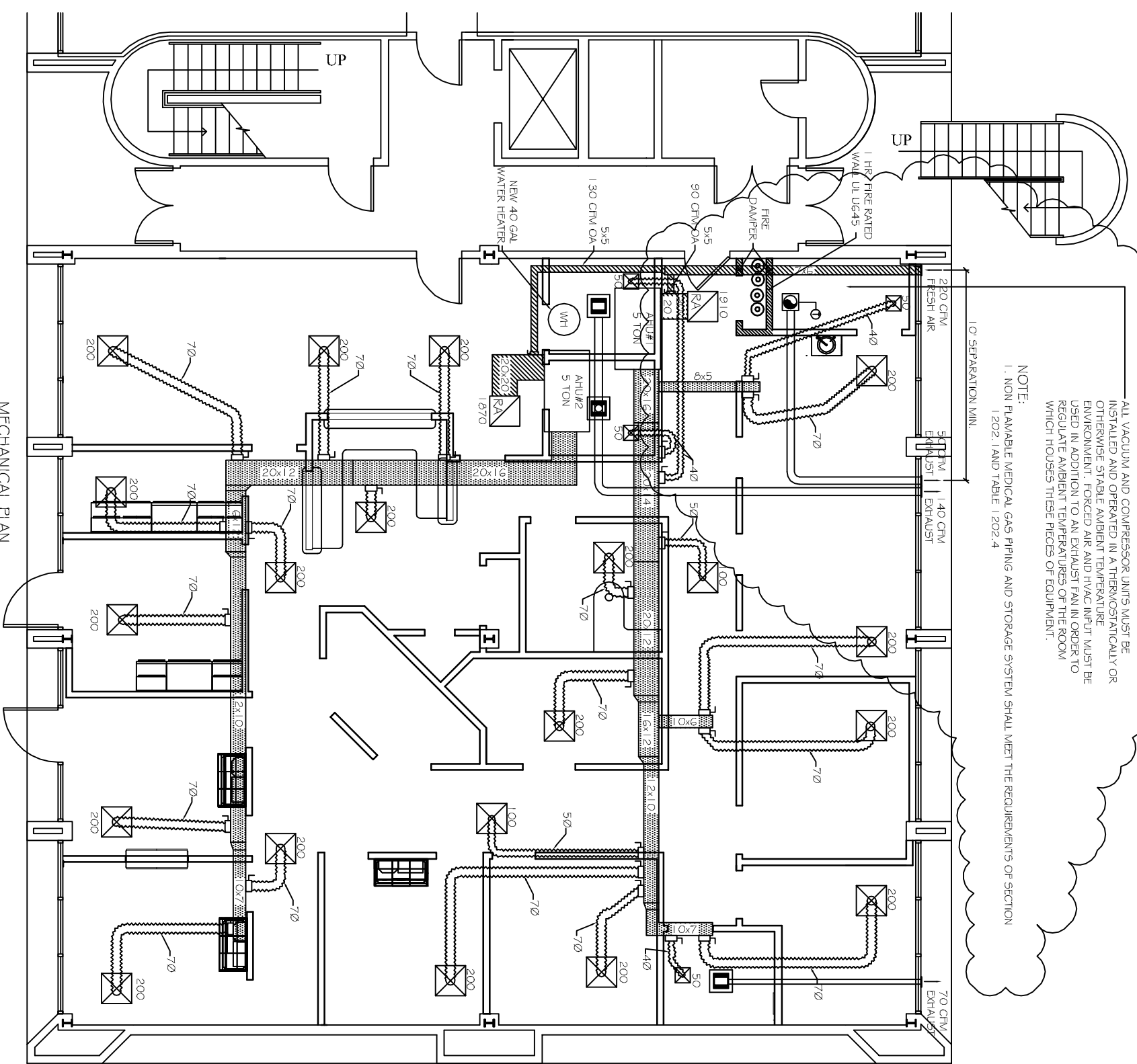
JOB#: 2130

DATE: 02-15-12

SHEET 6

M-1

OF 11



ALL VACUUM AND COMPRESSOR UNITS MUST BE INSTALLED AND OPERATED IN A THERMOSTATICALLY OR OTHERWISE STABLE AMBIENT TEMPERATURE ENVIRONMENT. FORCED AIR AND HVAC INPUT MUST BE USED IN ADDITION TO AN EXHAUST FAN IN ORDER TO REGULATE AMBIENT TEMPERATURES OF THE ROOM WHICH HOUSES THESE PIECES OF EQUIPMENT.

NOTE:
1. NON FLAMMABLE GAS PIPING AND STORAGE SYSTEM SHALL MEET THE REQUIREMENTS OF SECTION 1202.1 AND TABLE 1202.4

EXHAUST FAN SCHEDULE

FAN No.	CFM	VOLTAGE	TYPE	MANIF.
EF-1	70	120	VENT/LIGHT	

FRESH AIR REQUIREMENTS
PER IMC 2009 TABLE 403.3

OCCUPANCY CATEGORY	SF	OCC/1000 SF	CFM/1000 SF	CFM/5F	CFM/5F	OA
AHU #1						
OFFICE	793	5	5	0.06	67	
CORRIDOR	320	0	0	0.06	20	
TOTAL					87	
AHU #2						
OFFICE	661	5	5	0.06	56	
CORRIDOR	305	0	0	0.06	18	
RECEPTION	245	30	5	0.06	52	
TOTAL					126	
GRAND TOTAL					213	

A/C UNIT SCHEDULE TOTAL HVAC TONS = 10

NO.	TOTAL BTU	CFM	O.A.	HEAT ELEC.	VOLTAGE	MCA	CKT BRKR	COMMENTS
1	60,000	2,000	87	10 KW	208V, 3Ø	-	PNL1	
2	60,000	2,000	126	10 KW	208V, 3Ø	-	PNL1	

LEGEND

- ☒ - INDICATES NEW CEILING DIFFUSER - CFM AS NOTED - 24x24 UNLESS OTHERWISE NOTED. SIZE INDICATES NECK SIZE
- ☑ - INDICATES NEW RETURN AIR CEILING GRILLE OF SIZE INDICATED. TRANSFER DUCT TO BE RECTANGULAR AS INDICATED.
- ☐ - VENT / LIGHT COMBINATION
- ⊖ - THERMOSTAT
- ▬ - INDICATES NEW SHEET METAL DUCTWORK FOR SUPPLY AIR. SIZES INDICATED ARE SHEET METAL DIMENSIONS
- ▬ - INDICATES NEW SHEET METAL DUCTWORK FOR RETURN AIR. SIZES INDICATED ARE SHEET METAL DIMENSIONS
- ▬ - ROUND FLEX DUCT. MAX. LENGTH 12'-0". MIN. R-6. PROVIDE MAN. DAMPER AT DIFFUSER CONNECTIONS. SIZE AS INDICATED
- - A/C UNIT

NOTE:
SEE EQUIPMENT SUPPLIER PLANS AND DETAILS FOR DENTAL EQUIPMENT MECHANICAL REQUIREMENTS.

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