PACKAGED CHILLER TEST REPORT

PROJECT Medical/Dental UNIT CH-1

LOCATION Outside

MANUF. York MODEL YCAS0150FC46YFA SERIAL NO. NA

CAPACITY 533.5 REFRIG. R22 STARTER NS HEATER SIZE NS

EVAPORATOR	DESIGN	ACTUAL
Evaporator Press./Temp.		
Ent./Lvg. Water Press.	xxxxx	
Water Press. △ P		
Ent./Lvg. Water Temp.		
Water Temp. △ T		
GPM		

CONDENSER	DESIGN	ACTUAL
Condenser Press./Temp.		
Ent./Lvg. Water Press.	xxxxx	
Water Press. △ P		
Ent./Lvg. Water Temp.		
Water Temp. △ T		
GPM		

COMPRESSOR	DESIGN	ACTUAL
Make/Model		
Serial Number		
Suction Press./Temp.		
Dischg. Press./Temp.		
Oil Press./Temp.		
Voltage $^{T_1\text{-}T_2}_{T_3\text{-}T_1}$ $^{T_2\text{-}T_3}$		
Amps T_1 T_2 T_3		
KW Input		
Crankcase Htr. Amps		
Ch.W. Control Setting		
Cond. W. Control Setting		
L.P. Cutout Setting		
H.P. Cutout Setting		

REFRIGERATION	DESIGN	ACTUAL
Oil Level Checked	xxxxx	
Oil Failure Sw. Diff.		
Refrig. Level Checked	xxxxx	
Relief Valve Setting		
Unloader Set Points		
% Cylinders Unloaded		
Purge Operation Checked		
Bearing Temperature		
Vane Position		
Demand Limit		
Low Temp. Cutout Setting		

REMARKS:

U.S. Air Balance NEBB [redacted] Air and Hydronic Systems

TEST DATE 6/3/02 READINGS BY [redacted]

National Environmental Balancing Bureau
Report Not Valid Unless Stamped with
NEBB Certification Seal

CEILING RETURN / EXHAUST REGISTER AND TRANSFER AIR GRILLE SCHEDULE

MARK	MAXIMUM AIR FLOW L/S	SIZE * mm	ALTERNATE * SIZE	MAXIMUM ** PD Pa	MAXIMUM + NC	REMARKS ++
A	35	150x150	-	12.5	22	1
B	50	200x150	-	12.5	22	1
C	64	200x200	250x150	12.5	22	1
D	100	300x200	400x150	12.5	22	1
E	120	300x300	600x150	12.5	22	1
F	170	350x350	-	12.5	23	1
G	225	400x400	450x350	12.5	25	1
H	280	450x450	-	12.5	25	1
I	360	500x500	-	12.5	27	1
J	425	600x500	750x400	12.5	27	1
K	530	600x600	1200x300	12.5	28	1
L	700	600x900		12.5	27	1
M	1000	600x1200		12.5	27	1

* WHERE DIMENSION EXCEEDS 600 mm COORDINATE WITH T-BAR SUPPORT SYSTEM

** STATIC PRESSURES ARE NEGATIVE, IN INCHES OF WATER. MEASURED

LINEAR BAR DIFFUSER (ACTIVE SECTIONS)

MARK	LOCATION	MAX. AIR FLOW L/S	ACTIVE LENGTH mm	PLENUM SIZE LxHxPLENUM DEPTH	DUCT CONN. SIZE	MAXIMUM * NC	THROW METERS	REMARKS
LBD-1	LOBBY	130	900	900x200x200	300x150	20	3.5	SEE BELOW FOR DATA
LBD-2	LOBBY	115	800	800x200x200	250x150	20	3.5	SEE BELOW FOR DATA
LBD-3	LOBBY	75	550	550x200x200	200x150	20	3.5	SEE BELOW FOR DATA

LINEAR BAR DIFFUSER (LBD) SHALL BE BIE EXTRUDED ALUMINUM WITH ANODIZED FINISH, CONTINUOUS, WALL MOUNTED AND SHALL BE MOUNTED IN A PLASTER FRAME. PROVIDE ALL ALIGNMENT STRIPS AND ACCESSORIES REQUIRED TO PROVIDE A CONTINUOUS LINEAR DIFFUSER WITH CONCEALED FASTENINGS. THE FIT OF THE INDIVIDUAL SECTIONS SHALL APPEAR ONLY AS HAIR LINE CRACKS. FOR UNUSED SECTIONS OF DIFFUSER, PROVIDE FACTORY BLANK-OFF PLATES MOUNTED BEHIND FACE OF DIFFUSER. THE UNIT SHALL BE 30 METERS LONG x 100mm HIGH, WITH 6mm BARS SPACED AT 13mm. TWO (2) UNITS ARE REQUIRED, ONE ON EACH SIDE OF THE LOBBY. SEE SCHEDULE ABOVE FOR ACTIVE SECTION REQUIREMENTS AND PLENUM SIZE.

NOTE: PRESSURE DROP SHALL NOT EXCEED 25 Pa.

* NC VALUES ARE BASED ON A ROOM ABSORPTION OF 10dB, RE 10^-12 WATTS.

LINEAR SLOT DIFFUSER

MARK	LOCATION	MIN./MAX. AIR FLOW L/S	NOMINAL SIZE LEINGTH mm	SLOT SIZE mm	NUMBER OF SLOTS	MAXIMUM * NC	THROW METERS	REMARKS
LSD-1	CEILING	150	1200	25	3	24	12	PROVIDE PLASTER FRAME
LSD-2	CEILING	45	1200	25	1	21	7	PROVIDE PLASTER FRAME

NOTE: PRESSURE DROP SHALL NOT EXCEED 25 Pa.

* NC VALUES ARE BASED ON A ROOM ABSORPTION OF 10dB, RE 10^-12 WATTS.

CEILING DIFFUSER SCHEDULE (ROUND NECK)

MARK	MAXIMUM AIR FLOW L/S	NOMINAL ROUND NECK SIZE	MAXIMUM PD Pa	MAXIMUM * NC	THROW **	REMARKS ***
A	50	150	40	20	4-WAY	1,2
B	95	200	30	20	4-WAY	1,2
C	150	250	30	20	4-WAY	1,2
D	210	300	25	20	4-WAY	1,2
E	280	350	25	20	4-WAY	1,2
F	60	200	30	20	4-WAY	2
G	150	250	30	20	4-WAY	2

* NC VALUES ARE BASED ON A ROOM ABSORPTION OF 10dB, RE 10^-12 WATTS, WITH ONE DIFFUSER OPERATING.

** DIFFUSER THROW SHALL BE 4-WAY UNLESS SPECIFICALLY SHOWN OTHERWISE ON SHEET M2-1 THROUGH M2-10 .

*** REMARKS: