

REVISIONS				
SYM	DESCRIPTION	PREPARED BY	DATE	APPROVED

AIR TERMINAL UNITS – V.A.V. – R.H. & C.V. – R.H. SCHEDULE																		
MARK	AHU	DESIGN L / sec	MIN SET PT. L / sec	TOTAL CAPACITY Watt	AIR TEMP.		WATER TEMP.		WATER FLOW M <sup>3</sup> /Hr	RUNOUT SIZE mm	VALVE Kv	T'STAT LOCATION RM #	REHEAT COIL TYPE	APPROX. BOX SIZE mm	MAXIMUM ALLOW. DB 3RD O.B.	MAXIMUM AIR S.P. DROP Pa	MAXIMUM WATER P.D. kPa	REMARKS
					ENT. C	LVG. C	ENT. C	LVG. C										
A	2	270	85	1425.1	12.8	26.7	82.2	71.1	0.11	15	0.22	2A-01	HW	225	63	100	20.9	
B	2	210	125	2095.9	12.8	26.7	82.2	71.1	0.16	15	0.31	2A-14	HW	200	60	100	20.9	
C	2	75	35	586.7	12.8	26.7	82.2	76.6	0.09	15	0.18	2A-02	HW	125	60	100	20.9	
D	2	145	70	1173.7	12.8	26.7	82.2	71.1	0.09	15	0.18	2A-03	HW	200	60	100	20.9	
E	2	130	50	838.4	12.8	26.7	82.2	71.1	0.07	15	0.13	2A-04	HW	175	60	100	20.9	
F	2	160	70	1173.7	12.8	26.7	82.2	71.1	0.09	15	0.18	2A-05	HW	200	60	100	20.9	
G	2	365	300	5030.0	12.8	26.7	82.2	71.1	0.39	20	0.75	2A-12	HW	250	63	100	20.9	
H	2	160	70	1173.7	12.8	26.7	82.2	71.1	0.09	15	0.18	2A-06	HW	200	60	100	20.9	
I	2	160	70	1173.7	12.8	26.7	82.2	71.1	0.09	15	0.18	2A-07	HW	200	60	100	20.9	
J	2	295	240	4024.0	12.8	26.7	82.2	71.1	0.32	15	0.61	2A-11	HW	250	63	100	20.9	
K	2	160	70	1173.7	12.8	26.7	82.2	71.1	0.09	15	0.18	2A-08	HW	200	60	100	20.9	
L	2	210	100	2265.9	12.8	31.6	82.2	71.1	0.18	15	0.35	2AC1	HW	200	60	100	20.9	
M	2	160	70	1173.7	12.8	26.7	82.2	71.1	0.09	15	0.18	2A-09	HW	200	60	100	20.9	
N	2	285	255	4275.4	12.8	26.7	82.2	71.1	0.34	20	0.66	2C-01	HW	250	63	100	20.9	
O	2	170	70	1173.7	12.8	26.7	82.2	71.1	0.09	15	0.18	2C-02	HW	200	60	100	20.9	
P	2	215	90	1509.0	12.8	26.7	82.2	71.1	0.11	15	0.22	2C-03	HW	225	63	100	20.9	
Q	2	200	70	1174.0	12.8	26.7	82.2	71.1	0.09	15	0.18	2C-04	HW	200	61	100	20.9	
R	2	90	40	670.8	12.8	26.7	82.2	76.6	0.11	15	0.22	2C-22	HW	150	60	100	20.9	
S	2	200	70	1173.0	12.8	26.7	82.2	71.1	0.09	20	0.18	2C-06	HW	200	60	100	20.9	
T	2	205	205	3437.3	12.8	26.7	82.2	71.1	0.27	15	0.53	2C-08	HW	200	60	100	20.9	
U	2	200	70	1173.0	12.8	26.7	82.2	71.1	0.09	20	0.18	2C-09	HW	200	60	100	20.9	
V	2	140	95	1592.8	12.8	26.7	82.2	71.1	0.11	15	0.22	2C-19	HW	175	60	100	20.9	
W	2	215	215	3604.9	12.8	26.7	82.2	71.1	0.27	15	0.53	2C-10	HW	225	63	100	20.9	
X	2	260	260	4359.2	12.8	26.7	82.2	71.1	0.34	20	0.66	2C-12	HW	225	63	100	20.9	
Y	2	150	150	2515.0	12.8	26.7	82.2	71.1	0.20	15	0.39	2C-13	HW	200	60	100	20.9	
Z	2	220	220	3688.7	12.8	26.7	82.2	71.1	0.30	15	0.57	2C-16	HW	225	63	100	20.9	
AA	2	560	560	9389.3	12.8	26.7	82.2	71.1	0.73	25	1.40	2C-17	HW	350	64	100	20.9	
BB	2	200	105	1760.4	12.8	26.7	82.2	71.1	0.14	15	0.26	2C-14	HW	200	60	100	20.9	
CC	2	265	0	0.0	12.8	12.8	N/A	N/A	0.00	N/A	N/A	2C-18	NONE	225	63	100	20.9	Cool Only
DD	2	115	50	838.4	12.8	26.7	82.2	71.1	0.07	15	0.13	2B-21	HW	175	60	100	20.9	
EE	2	215	85	1425.1	12.8	26.7	82.2	71.1	0.11	15	0.22	2B-23	HW	225	63	100	20.9	
FF	2	70	40	670.8	12.8	26.7	82.2	76.6	0.11	15	0.22	2B-19	HW	125	60	100	20.9	
GG	2	145	145	2431.2	12.8	26.7	82.2	71.1	0.18	15	0.35	2B-25	HW	200	60	100	20.9	
HH	D	E	L	E	T	E	D											
II	2	225	85	1425.1	12.8	26.7	82.2	71.1	0.11	15	0.22	2B-18	HW	225	63	100	20.9	
JJ	2	240	175	2934.1	12.8	26.7	82.2	71.1	0.23	15	0.44	2B-15	HW	225	63	100	20.9	
KK	2	260	0	0.0	12.8	12.8	N/A	N/A	0.00	N/A	N/A	2B-13	NONE	225	63	100	20.9	Cool Only
LL	2	140	80	1341.3	12.8	26.7	82.2	71.1	0.11	15	0.22	2B-01	HW	175	60	100	20.9	
MM	2	160	95	1592.8	12.8	26.7	82.2	71.1	0.11	15	0.22	2B-03	HW	200	60	100	20.9	
NN	D	E	L	E	T	E	D											
OO	2	185	95	1592.8	12.8	26.7	82.2	71.1	0.11	15	0.22	2B-07	HW	200	60	100	20.9	
PP	2	70	35	586.7	12.8	26.7	82.2	76.6	0.09	15	0.18	2B-08	HW	125	60	100	20.9	
QQ	2	80	45	754.6	12.8	26.7	82.2	71.1	0.07	15	0.13	2B-10	HW	125	60	100	20.9	
RR	2	155	115	1928.0	12.8	26.7	82.2	71.1	0.16	15	0.31	2B-11	HW	200	60	100	20.9	
SS	2	45	45	754.6	12.8	26.7	82.2	71.1	0.07	15	0.13	2BC1	HW	100	60	100	20.9	
TT	2	155	85	1425.1	12.8	26.7	82.2	71.1	0.11	15	0.22	2D-03	HW	200	60	100	20.9	
UU	2	500	215	3604.9	12.8	26.7	82.2	71.1	0.27	15	0.53	2D-04A	HW	350	64	100	20.9	
VV	2	180	140	2347.4	12.8	26.7	82.2	71.1	0.18	15	0.35	2DC2	HW	200	60	100	20.9	
WW	2	200	70	1173.7	12.8	26.7	82.2	71.1	0.09	15	0.18	2D-21	HW	200	60	100	20.9	
XX	2	300	110	1844.2	12.8	26.7	82.2	71.1	0.14	15	0.26	2D-20	HW	250	63	100	20.9	
YY	D	E	L	E	T	E	D											
ZZ	2	330	140	2347.4	12.8	26.7	82.2	71.1	0.18	15	0.35	2D-17	HW	250	63	100	20.9	
AAA	2	105	40	670.8	12.8	26.7	82.2	76.6	0.11	15	0.22	2D-15	HW	150	60	100	20.9	
BBB	2	135	50	838.4	12.8	26.7	82.2	71.1	0.07	15	0.13	2D-16	HW	175	60	100	20.9	
CCC	D	E	L	E	T	E	D											
DDD	2	185	105	1760.4	12.8	26.7	82.2	71.1	0.14	15	0.26	2D-18	HW	200	60	100	20.9	
EEE	2	130	50	926.9	12.8	28.1	82.2	71.1	0.07	15	0.13	2D-11	HW	175	60	100	20.9	
FFF	2	125	55	922.3	12.8	26.7	82.2	71.1	0.07	15	0.13	2D-10	HW	175	60	100	20.9	
GGG	2	90	40	695.7	12.8	27.2	82.2	76.6	0.11	15	0.22	2D-09	HW	150	60	100	20.9	
HHH	2	65	35	586.7	12.8	26.7	82.2	76.6	0.09	15	0.18	2D-08	HW	125	60	100	20.9	
III	2	165	75	1257.5	12.8	26.7	82.2	71.1	0.09	15	0.18	2D-07	HW	200	60	100	20.9	
JJJ	2	180	105	1760.4	12.8	26.7	82.2	71.1	0.14	15	0.26	2D-18	HW	200	60	100	20.9	
KKK	D	E	L	E	T	E	D											
LLL	2	130	85	1425.1	12.8	26.7	82.2	71.1	0.11	15	0.22	2BC2	HW	175	60	100	20.9	

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 BE 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<sup>^</sup>-12 WATTS.

LINEAR SLOT DIFFUSER								
MARK	LOCATION	MIN./MAX. AIR FLOW L/S	NOMINAL SIZE LENGTH 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<sup>^</sup>-12 WATTS.

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