

DIFFUSER AND GRILLE SCHEDULE																			
ROOM #	QTY	DIFFUSER/ GRILLE TAG #	MAX. AIR FLOW (L/S)	GRILLE/ NECK SIZE	ROOM #	QTY	DIFFUSER/ GRILLE TAG #	MAX. AIR FLOW (L/S)	GRILLE/ NECK SIZE	ROOM #	QTY	DIFFUSER/ GRILLE TAG #	MAX. AIR FLOW (L/S)	GRILLE/ NECK SIZE	ROOM #	QTY	DIFFUSER/ GRILLE TAG #	MAX. AIR FLOW (L/S)	GRILLE/ NECK SIZE
100	-	-	-	-	118	2	S-1	25	1500	139	1	R-1	-	600x100	157	4	S-1	135	2500
101	1	S-6	60	1500	118	1	R-1	50	150x150	140	1	S-1	35	1500	157	1	S-1	55	1500
101	1	R-1	60	600x150	119	-	-	-	-	141	1	S-1	25	1500	157	3	R-1	-	600x600
102	1	S-1	65	1500	120	-	-	-	-	141	1	R-1	-	600x100	158	1	S-1	85	2000
102	1	R-1	65	600x100	121	2	E-1	35	200x200	142	-	-	-	-	158	1	R-1	-	600x100
103	1	E-1	35	300x300	122	4	S-1	44	1500	143	1	S-1	35	1500	159	1	R-3	65	200x200
104	6	S-1	90	2000	122	2	R-1	-	600x150	143	1	R-3	-	150x150	160	2	S-3	30	150x150
104	2	R-1	-	600x100	123	2	S-1	45	1500	144	2	S-1	50	1500	160	1	R-3	60	150x150
104	1	R-1	-	600x600	123	1	R-1	-	600x150	144	1	R-1	-	600x600	161	2	S-3	30	150x150
105	1	S-2	25	1500	124	1	S-5	218	450x200	145	1	S-1	35	1500	161	1	R-3	60	150x150
105	1	R-1	25	1500	124	1	R-2	218	300x300	145	1	R-3	-	150x150	162	2	S-3	30	150x150
106	1	S-6	60	2000	125	-	-	-	-	146	-	-	-	-	162	1	R-3	60	150x150
106	1	R-1	-	600x600	126	2	S-1	110	2000	147	1	S-1	55	1500	163	2	S-3	212	450x450
107	2	S-1	35	1500	126	1	R-1	-	600x150	147	1	R-1	-	600x100	163	1	E-1	425	450x450
107	1	R-1	70	600x100	127	-	-	-	-	148	1	S-1	20	1500	164	1	S-1	48	1500
108	1	S-1	35	1500	128a	1	E-1	48	150x150	149	2	S-1	125	2500	164	1	S-1	65	1500
108	1	R-1	-	600x600	128b	2	E-1	35	150x150	149	1	S-1	80	1500	164	1	R-3	65	150x150
109	2	S-1	95	2000	128b	2	E-1	24	150x150	149	1	R-1	-	600x600	165	1	S*	42	150x150
109	1	R-1	-	600x150	129	-	-	-	-	150	1	S-1	55	1500	165	1	R*	47	150x150
110	1	S-1	85	2000	130a	2	E-1	24	150x150	150	1	R-1	-	600x100	166	-	-	-	-
110	1	R-1	-	600x100	130b	2	E-1	35	150x150	151	1	S-1	55	1500	167	1	S*	42	150x150
111	1	S-1	50	1500	130b	1	E-1	24	150x150	151	1	R-1	-	600x100	167	1	R*	47	150x150
112	2	S-6	63	1500	131	4	S-6	60	1500	152	1	S-1	45	1500	168	1	S*	42	150x150
112	2	S-6	62	1500	132	2	S-5	200	400x200	152	1	R-1	-	-	168	1	R*	47	150x150
113	5	S-1	110	2000	132	1	E-2	240	400x200	153	1	S-1	20	1500	169	-	-	-	-
113	3	S-1	50	1500	133	3	S-5	210	400x200	154	3	S-3	47	150x150	170	1	S*	42	150x150
113	4	S-1	40	1500	133	3	E-2	234	400x200	154	3	R-3	52	150x150	170	1	R*	47	150x150
113	1	R-1	-	600x600	134	-	-	-	-	155	3	S-1	30	1500	171	2	S-1	65	1500
113	2	R-1	-	600x300	135	1	S-1	20	1500	155	1	R-1	-	600x150	171	1	R-3	65	200x200
114	2	S-1	55	1500	136	1	S-1	35	1500	156	2	S-1	50	1500	172	1	R-3	35	150x150
114	1	R-1	-	600x150	136	1	R-1	35	600x100	156	1	R-1	-	600x150	173	1	S-2	24	1500
115	2	S-1	50	1500	137	1	S-1	20	1500	157a	1	S-1	85	2000	174	1	S-2	24	1500
115	1	R-1	-	600x150	137	1	R-1	-	600x100	157a	1	R-1	-	600x100	175	1	R-3	24	150x150
116	2	E-1	35	200x200	138	1	E-1	24	1500	157	2	S-1	115	2000	176	1	R-3	35	150x150
117	-	-	-	-	139	1	S-1	35	1500	157	3	S-1	105	2000					

HEAT RECOVERY VENTILATOR SCHEDULE											
TAG #	LOCATION ROOM #	LOCATION SERVING ROOM #	MANUFACTURE/ MODEL #	FAN MOTOR SIZE S/A (kW)	FAN MOTOR SIZE E/A (kW)	POWER REQUIREMENTS	SUPPLY AIR FLOW (l/s)	SUPPLY ESP (Pa)	EXHAUST AIR FLOW (l/s)	EXHAUST ESP (Pa)	COMMENTS
HRV-1	200	SOUTH WING	RENEWAIRE HE2XINH	1.11	1.11	115V / 1Ø	698	190	349	150	-
HRV-2	200	EAST WING	RENEWAIRE HE1.5XINH	0.75	0.75	115V / 1Ø	386	150	559	190	-
HRV-3	200	ROOMS 132 & 133	RENEWAIRE HE3XINH	1.5	2.24	208V / 3Ø	515/1030	150	566/1132	150	2 SPEED: MOTOR REQUIRED VFD BY DIV. 25
HRV-4	200	ROOM 154	RENEWAIRE EV450IN	0.45	0.45	115V / 1Ø	141	150	156	150	-
HRV-5	200	ROOMS 165, 167, 168 & 170	RENEWAIRE EV450IN	45	45	115V / 1Ø	170/340	125	188/376	125	2 SPEED: MOTOR REQUIRED
C HRV-6	200	ROOMS 159, 160, 161, 162, 164, 171, 173 & 174 (172, 175 & 176 EXH ONLY)	RENEWAIRE HE2XINH	1.11	1.11	115V / 3Ø	698	190	349	150	-

PLENUM DUCT SILENCER SCHEDULE (BASED ON MINIMUM SILENCER RATING OF STC 50)				
TAG #	LOCATION ROOM #	AIR FLOW (l/s)	DUCT/BANK DIMENSIONS WIDTH (mm) x DEPTH (mm)	OUTSIDE SILENCER DIMENSIONS WIDTH (mm) x DEPTH (mm)
PS-1	102	50	150 x 150	350 x 350
PS-2	102	50	150 x 150	350 x 350
PS-3	104	183	250 x 200	450 x 400
PS-4	104	183	250 x 200	450 x 400
PS-5	123	90	200 x 150	400 x 350
PS-6	123	90	200 x 150	400 x 350
PS-7	136	35	150 x 150	350 x 350
PS-8	136	35	150 x 150	350 x 350
PS-9	139	35	150 x 150	350 x 350
PS-10	139	35	150 x 150	350 x 350
PS-11	151	40	150 x 150	350 x 350
PS-12	151	40	150 x 150	350 x 350
PS-13	156	105	250 x 150	450 x 350
PS-14	156	105	250 x 150	450 x 350
PS-15	157a	85	200 x 150	400 x 350
PS-16	157a	85	200 x 150	400 x 350
PS-17	160	60	150 x 150	350 x 350
PS-18	160	60	150 x 150	350 x 350

\* REFER TO DRAWING 2301-1 FOR SILENCER STRAIGHT OR 90° ORIENTATION AND LENGTHS REQUIRED.

VARIABLE REFRIGERANT FLOW TERMINAL UNIT AIR FLOW SCHEDULE			
UNIT TAG #	MAXIMUM SUPPLY AIR (l/s)	CONSTANT MAKE-UP AIR (l/s)	MAXIMUM RETURN AIR (l/s)
AC-1	176	12	164
AC-2	540	183	357
AC-3	549	144	405
AC-4	280	111	175
AC-5	540	150	390
AC-6	550	33	517
AC-7	235	66	169
AC-8	550	41	509
AC-9	230	15	215
AC-10	540	9	531
AC-11	665	177	488
AC-12	285	213	72
AC-13	545	64	194

HUMIDIFIER SCHEDULE					
TAG #	LOCATION ROOM #	SERVING	MINIMUM HUMIDIFICATION LOAD (kg/hr)	POWER REQUIREMENTS	MANIFOLD DUCT SIZE BASED ON SHORT ABSORPTION TYPE (mm x mm)
H-1	200	HRV-1	13.64	10.7kW / 575V / 3Ø	400 x 250
H-2	200	HRV-2	9.09	7.7kW / 575V / 3Ø	400 x 200
H-3	200	HRV-6	13.64	10.7kW / 575V / 3Ø	400 x 200

REHEAT COIL SCHEDULE							
TAG #	SYSTEM SERVING	AREA SERVING	LOCATION OF HEATING COIL ROOM #	MINIMUM HEATING CAPACITY (kW)	MAXIMUM AIR FLOW (l/s)	DUCT COIL DIMENSIONS (mm W x mm H)	ELECTRICAL POWER REQUIREMENTS
RHC-1	SUPPLY AIR	ROOM 160	163	0.75	60	1500	347V / 1Ø / 60 Hz
RHC-2	SUPPLY AIR	ROOM 170	166	0.50	42	1500	347V / 1Ø / 60 Hz
RHC-3	SUPPLY AIR	ROOM 168	166	0.50	42	1500	347V / 1Ø / 60 Hz
RHC-4	SUPPLY AIR	ROOM 167	169	0.50	42	1500	347V / 1Ø / 60 Hz
RHC-5	SUPPLY AIR	ROOM 165	169	0.50	42	1500	347V / 1Ø / 60 Hz
RHC-6	SUPPLY AIR	ROOMS 161 & 162	163	1.50	120	2000	347V / 1Ø / 60 Hz
RHC-7	SUPPLY AIR	ROOM 171	163	3.00	291	300 x 200	347V / 1Ø / 60 Hz
RHC-8	SUPPLY AIR	ROOM 126	200	2.25	220	2500	347V / 1Ø / 60 Hz
RHC-9	SUPPLY AIR	ROOM 123	200	1.00	90	1500	347V / 1Ø / 60 Hz
RHC-10	SUPPLY AIR	ROOM 115	115	1.00	100	2000	347V / 1Ø / 60 Hz
RHC-11	SUPPLY AIR	ROOM 114	114	1.25	110	2000	347V / 1Ø / 60 Hz
RHC-12	SUPPLY AIR	ROOM 107	107	0.50	35	1500	347V / 1Ø / 60 Hz
RHC-13	SUPPLY AIR	ROOM 101 & 105	106	1.25	110	200 x 150	347V / 1Ø / 60 Hz
RHC-14	SUPPLY AIR	ROOM 102	102	0.75	65	1500	347V / 1Ø / 60 Hz
RHC-15	SUPPLY AIR	ROOM 109	109	2.00	190	2500	347V / 1Ø / 60 Hz
RHC-16	SUPPLY AIR	ROOM 110	110	1.00	85	1500	347V / 1Ø / 60 Hz
RHC-17	SUPPLY AIR	ROOM 136	136	0.50	35	1500	347V / 1Ø / 60 Hz
RHC-18	SUPPLY AIR	ROOM 150	150	0.75	55	1500	347V / 1Ø / 60 Hz
RHC-19	SUPPLY AIR	ROOM 158	158	1.00	85	1500	347V / 1Ø / 60 Hz
RHC-20	SUPPLY AIR	ROOM 157A	157A	1.00	85	1500	347V / 1Ø / 60 Hz
RHC-21	SUPPLY AIR	ROOM 156	156	1.25	105	2000	347V / 1Ø / 60 Hz
RHC-22	SUPPLY AIR	ROOM 152	152	0.50	45	1500	347V / 1Ø / 60 Hz
RHC-23	SUPPLY AIR	ROOM 147	147	0.75	55	1500	347V / 1Ø / 60 Hz
RHC-24	SUPPLY AIR	ROOM 151	151	0.75	55	1500	347V / 1Ø / 60 Hz
RHC-25	SUPPLY AIR	ROOM 139	139	0.50	45	1500	347V / 1Ø / 60 Hz

EXHAUST FAN SCHEDULE									
TAG #	LOCATION ROOM #	LOCATION SERVING ROOM #	AIR FLOW (l/s)	ESP (Pa)	MOTOR SIZE (W)	VOLTS	PHASE	PROPOSED MANUFACTURER	MODEL #
EF-1	200	163	212 / 424	190	224	208	1	GREENHECK	BSQ-160HP-3
EF-2	200	124	194	125	186	208	1	GREENHECK	BSQ-90
EF-3	200	144	95	125	72	120	1	FANTECH	FG-6
EF-4	301	301	100	65	186	208	1	GREENHECK	BSQ-90

HEATING COIL SCHEDULE							
TAG #	SYSTEM SERVING	AREA SERVING	LOCATION OF HEATING COIL ROOM #	MINIMUM HEATING CAPACITY (kW)	MAXIMUM AIR FLOW (l/s)	DUCT COIL DIMENSIONS (mm W x mm H)	ELECTRICAL POWER REQUIREMENTS
HC-1	OUTDOOR AIR	HRV-1	200	21.00	698	400 x 350	575V / 3Ø / 60 Hz
HC-2	SUPPLY AIR	SOUTH WING VRF SYSTEM	200	12.50	698	400 x 350	575V / 3Ø / 60 Hz
HC-3	OUTDOOR AIR		HRV-2	200	5.00	386	400 x 200
HC-4	SUPPLY AIR	EAST WING VRF SYSTEM	200	6.00	386	400 x 200	575V / 3Ø / 60 Hz
HC-5	OUTDOOR AIR	HRV-3	200	26.00	1030	450 x 250	575V / 3Ø / 60 Hz
HC-6	SUPPLY AIR	ROOMS 132 & 133	200	17.00	1030	450 x 250	575V / 3Ø / 60 Hz
HC-7	OUTDOOR AIR	HRV-4	200	3.50	141	200 x 150	575V / 3Ø / 60 Hz
HC-8	SUPPLY AIR	ROOM 154	200	2.50	141	200 x 150	575V / 3Ø / 60 Hz
HC-9	OUTDOOR AIR	HRV-5	200	8.50	336	200 x 200	575V / 3Ø / 60 Hz
HC-10	SUPPLY AIR	ROOMS 165, 167, 168 & 170	200	5.50	336	200 x 200	575V / 3Ø / 60 Hz
HC-11	OUTDOOR AIR	HRV-6	200	14.50	471	400 x 250	575V / 3Ø / 60 Hz
HC-12	SUPPLY AIR	ROOMS 160, 161, 162 & 171	200	7.00	471	400 x 250	575V / 3Ø / 60 Hz