

DO NOT SCALE FROM DRAWINGS - IF IN DOUBT, ASK.

NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
3. THE DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND SPECIFICATIONS.
4. ANY DISCREPANCY IS TO BE REFERRED TO THE ENGINEER.
5. THIS INSTALLATION IS TO BE CO-ORDINATED WITH ALL OTHER TRADES.
6. ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE PRIOR TO COMMENCEMENT OF THE WORKS.
7. ALL TRADES ARE TO INSTALL AS PER CO-ORDINATED SECTION DIMENSIONS IF ADDITIONAL INFORMATION IS REQUIRED REFERRER TO THE ENGINEER.
8. ALL VOLUME CONTROL DAMPERS ON DUCTWORK IN CEILING VOIDS SHALL BE ACCESSIBLE.
9. ACCESS POINTS THROUGH CEILING TO SERVICES ABOVE SHALL BE KEPT TO A MINIMUM BY THE CAREFUL COORDINATION BY THE CONTRACTOR OF THE SERVICES THAT REQUIRE ACCESS VIA THE ACCESS HATCHES.
10. FIRE DAMPERS/COLLARS TO BE INSTALLED IN ALL AREAS WHERE ANY SERVICE PENETRATES FLOOR SLABS OR FIRE WALLS.
11. WHERE FC IS SHOWN, ALL PIPEWORK THROUGH WALL REQUIRES A FIRE COLLAR.
12. DRAINCOCKS TO BE INSTALLED TO ALL LOW POINTS
13. SEE INDIVIDUAL SERVICE SHEETS FOR REVISION CLOUDS

TKMaxx SPECIFIC NOTES:

1. ALL ELECTRICAL FED EQUIPMENT TO HAVE FUSED CONNECTION UNITS.
2. CONDENSATE DRAINS TO BE GRAVITY, IF NOT POSSIBLE GET APPROVAL OF PROJECT MANAGER FOR PUMPED CONDENSATE.
3. IF CONDENSATE PUMPS ARE FITTED THESE ARE TO FAIL SAFE WITH INTERLOCK TO SHUT DOWN UNIT.
4. MITSUBISHI UNITS TO HAVE "POWERED INVERTER" CONTROL.
5. ALL DUCTWORK TO BE D1414, CLASS B COMPLIANT.
6. FIRE DAMPERS TO BE INSTALLED IN DUCTS IN LINE WITH FIRE STRATEGY WHERE DUCTS PASS THROUGH FIRE WALLS.
7. FIRE HOODS TO BE INSTALLED ON ALL EQUIPMENT PASSING THROUGH FIRE CEILINGS.
8. AVOID RUNNING PIPEWORK OVER ELECTRICAL EQUIPMENT IF POSSIBLE.
9. ALL EXTERNAL AC TRAY TO BE INVERTED TO PROVIDE PROTECTION.
10. ALL PENETRATIONS TO BE MARKED ON SITE BY HENSALL.
11. AC PIPE RUNS INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

REF	LOCATION	MODEL REF.	HEAT (kW)	COOL (kW)	COP/SEER	SCOP/SEER	OUTDOOR UNIT REF.	POWERED BY OUTDOOR UNIT	WIDTH (mm)	DEPTH (mm)	HEIGHT (mm)	WEIGHT (kg)	SOUND PRESSURE LEVEL HIGH (dBA)	SOUND POWER LEVEL	PIPE RUN (m)	UNIT MAX PIPE RUN (m)
AC-03a	SALES	PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	95	100
AC-03b		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	75	100
AC-03a		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	95	100
AC-03b		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	77	100
AC-03a		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	58	100
AC-04a		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	40	100
AC-04b		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	95	100
AC-05a		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	35	100
AC-05b		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	35	100
AC-06a		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	75	100
AC-06a		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	75	100
AC-07		PLA-ZM2SE2	11.9	11.5	3.8/3.70	4.70/740	PUZ-ZM2S0YKA2	YES	840	840	298	26	41	62	75	100
AC-06	FITTING ROOMS	REP-140400	8	6.4	3.8/3.28	-	PUZ-ZM2S0YKA2	NO	700	190	250	28	36	-	50	200
AC-09	CCTV DETENTION RM	PLFY-M20VFM-E	2.5	2	2.3	-	PURY-EP550YWH-A2	NO	570	570	245	14	30	-	70	200

00_AIR CONDITIONING UNIT SCHEDULE NTS

REF	SYSTEM	LOCATION	TYPE	DIMENSIONS				DUTY L/S	OBD	PLENUM BOX (YN)	COLOUR	FIRE RATED (YN)
				LIST SIZE		DUCT SIZE						
				LØ (mm)	H (mm)	WØ (mm)	H (mm)					
EG-00-01	AHU-01	SALES	BELLMOUTH	1500	250	-	-	286	NO	N	AS MANUFACTURED	N
EG-00-02	HRU-01	CCTV DETENSION	AIR VALVE	125	-	125	-	27	NO	N	RAL9000	Y
EG-00-03		PROCESS AREA	OPEN ENDED DUCT	200	-	200	-	91	NO	N	RAL9000	Y
EG-00-04		SYSTEM OFFICE	AIR VALVE	125	-	125	-	27	NO	N	RAL9000	Y
EG-00-05		SWITCH ROOM	AIR VALVE	125	-	126	-	25	NO	N	RAL9000	Y
EG-00-06		ASSOCIATE LOUNGE	4-WAY DIFFUSER	225	225	200	-	72	NO	YES	RAL9000	Y
EG-00-07		CASH OFFICE	AIR VALVE	125	-	125	-	10	NO	N	RAL9000	Y
EG-00-08		INTERVIEW ROOM	AIR VALVE	125	-	125	-	18	NO	N	RAL9000	Y
EG-00-09		DISABLED TOILET	AIR VALVE	125	-	125	-	17	NO	N	RAL9000	Y
EG-00-10		MALE TOILET	AIR VALVE	125	-	125	-	21	NO	N	RAL9000	Y
EG-00-11		MALE TOILET	AIR VALVE	125	-	125	-	21	NO	N	RAL9000	Y
EG-00-12		MALE TOILET	AIR VALVE	125	-	125	-	21	NO	N	RAL9000	Y
EG-00-13		FEMALE TOILET	AIR VALVE	125	-	125	-	21	NO	N	RAL9000	Y
EG-00-14		FEMALE TOILET	AIR VALVE	125	-	125	-	21	NO	N	RAL9000	Y
EG-00-15		FEMALE TOILET	AIR VALVE	125	-	125	-	21	NO	N	RAL9000	Y
EG-00-16		CLEANERS ROOM	AIR VALVE	125	-	125	-	25	NO	N	RAL9000	Y

00_EXTRACT AIR TERMINAL SCHEDULE NTS

REF	SYSTEM	LOCATION	TYPE	DIMENSIONS				DUTY L/S	OBD	PLENUM BOX (Y/N)	COLOUR	FIRE RATED (Y/N)	
				LIST SIZE		DUCT SIZE							
				L/Ø (mm)	H (mm)	W/Ø (mm)	H (mm)						
SG-00-01	AHU-01	SALES	DUCT MOUNTED GRILLE	325	225	350	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-02			DUCT MOUNTED GRILLE	325	225	350	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-03			DUCT MOUNTED GRILLE	325	225	500	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-04			DUCT MOUNTED GRILLE	325	225	500	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-05			DUCT MOUNTED GRILLE	325	225	600	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-06			DUCT MOUNTED GRILLE	325	225	600	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-07			DUCT MOUNTED GRILLE	325	225	700	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-08			DUCT MOUNTED GRILLE	325	225	700	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-09			DUCT MOUNTED GRILLE	325	225	750	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-10			DUCT MOUNTED GRILLE	325	225	750	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-11			DUCT MOUNTED GRILLE	325	225	700	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-12			DUCT MOUNTED GRILLE	325	225	700	-	189.6	YES	N	AS MANUFACTURED	N	
SG-00-13				BELLMOUTH	300	-	300	-	264	NO	N	AS MANUFACTURED	N
SG-00-14				DUCT MOUNTED GRILLE	325	225	550	-	189.6	YES	N	AS MANUFACTURED	N
SG-00-15				DUCT MOUNTED GRILLE	325	225	550	-	189.6	YES	N	AS MANUFACTURED	N
SG-00-16				DUCT MOUNTED GRILLE	325	225	450	-	264	YES	N	AS MANUFACTURED	N
SG-00-17		DUCT MOUNTED GRILLE	325	225	450	-	189.6	YES	N	AS MANUFACTURED	N		
SG-00-18	HRU-01	CCTV/EXTENSION ROOM	AIR VALVE	125	-	125	-	30	NO	N	RAL9000	Y	
SG-00-19			PROCESS AREA	OPEN ENDED	200	-	200	-	91	NO	N	RAL9000	Y
SG-00-20			SYSTEM OFFICE	AIR VALVE	125	-	125	-	30	NO	N	RAL9000	Y
SG-00-21			CASH OFFICE	AIR VALVE	125	-	125	-	10	NO	N	RAL9000	Y
SG-00-22			INTERVIEW ROOM	AIR VALVE	125	-	125	-	20	NO	N	RAL9000	Y
SG-00-23			ASSOCIATE LOUNGE	4-WAY DIFFUSER	300	300	200	-	80	NO	Y	RAL9000	Y
SG-00-24			FEMALE WC	AIR VALVE	200	-	200	-	70	NO	N	RAL9000	Y
SG-00-25			MALE WC	AIR VALVE	200	-	200	-	70	NO	N	RAL9000	Y
SG-00-26				AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N
SG-00-27				AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N
SG-00-28	AC-06	FITTING ROOM	AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N	
SG-00-29			AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N	
SG-00-30			AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N	
SG-00-31			AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N	
SG-00-32			AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N	
SG-00-33			AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N	
SG-00-34			AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N	
SG-00-35		AIR VALVE	125	-	125	-	27.5	NO	N	RAL9000	N		

00_SUPPLY AIR TERMINAL SCHEDULE NTS

REFERENCE	UNIT LOCATION	AREA SERVED	MANUFACTURER	MODEL	DIMENSIONS (mm) (LxWxH)	SUPPLY AIRFLOW (m³/s)	SUPPLY PRESSURE (Pa)	EXTRACT AIRFLOW(m³/s)	EXTRACT PRESSURE (Pa)	HEAT RECOVERY	DUCT SIZE (mm)
HRU-01	BOH CORRIDOR	GROUND FLOOR BOH	MITSUBISHI ELECTRIC	LGH-200R/KX3-E	1231x144x808	0.403	189	0.438	175	PLATE HEAT EXCHANGER	270X700

00_HEAT RECOVERY UNIT SCHEDULE NTS

REFERENCE	MANUFACTURER	MODEL	DIMENSIONS			WEIGHT (kg)	OUTPUT (kW)	STARTING CURRENT (A)	FLC (A)	SUPPLY V(PH/HZ)	MAXIMUM AIR VOLUME (m³/s)	MAXIMUM VELOCITY (m/s)	NOISE LEVEL (NR)	FINISH
			LENGTH	WIDTH/Ø3A	HEIGHT									
EH-01	BEZNOB	ACT04S-RX	600	600	175	7	4.5	5.5	20	230/50	0.17	NO DATA	43	RAL 9000
EH-02	BEZNOB	ACT04S-RX	600	600	175	7	4.5	5.5	20	230/50	0.17	NO DATA	43	RAL 9000

00_ELECTRIC HEATER SCHEDULE NTS

00_BC CONTROLLER SCHEDULE NTS

REFERENCE	AREA SERVED	OUTDOOR UNIT REF.	INDOOR UNIT REF.	LOCATION	MODEL REFERENCE	VOLTAGE	POWER INPUT	RUNNING CURRENT (A)	FUSE HRC (A)	NUMBER OF CONNECTIONS	DIMENSIONS			WEIGHT
						(V/Ph/Hz)	(KW)				WIDTH (mm)	DEPTH (mm)	HEIGHT (mm)	
BC-01	BACK OF HOUSE	CU-08	AC-07	PROCESSING AREA	CMB-M08V-3A1	220-240V/1/50hz	0.144	0.63	6	8	911	476	252	48
			AC-08											
			AC-09											
			AC-10											
			AC-11											
			AC-12											

