VRF SYSTEM

Indoor Unit Specification											Outdoor ACCU Unit Specification					
Zone No.	Unit ref.	Unit type	Location	Cooling capacity		Air flow Rate		ESP	Power Supply	Qty.	Unit Reference	Unit type	Power Input	Power Supply	Qty.	Remarks
				KW	TR	CFM	L/S	Pa	Volts / Ø / Hz				KW	Volts / Ø / Hz		
1	FCU Z1- 01	Celling Cassete Type	Ground Floor Exhibit Area 1	11.2	3.2	1920	906	60	220 / 1 / 60	1	ACCU Z1-01	Outdoor ACCU VRF TYPE	55.00	220 / 3 / 60	1	- Supply with Distribution Connecting Kit - All unit must Be Controlled using wireless Touch Pad Controller
	FCU Z1- 02	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 03	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 04	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 05	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 06	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 07	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 08	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 09	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 10	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 11	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 12	Celling Cassete Type		11.2	3.2	1920	906	60	220 / 1 / 60	1						
	FCU Z1- 13	Celling & Floor Type		6.3	1.8	966	455	60	220 / 1 / 60	1						
	FAHU Z1- 01	All Fresh Air Ducted		33.5	9.52	3000	1415	220	220 / 1 / 60	1						

VRF SYSTEM

Indoor Unit Specification											Outdoor ACCU Unit Specification					
Zone No.	Unit ref.	Unit type	Location	Cooling capacity		Air flow Rate		ESP	Power Supply	Qty.	Unit Reference	Unit type	Power Input	Power Supply	Qty.	Remarks
				KW	TR	CFM	L/S	Pa	Volts / Ø / Hz				KW	Volts / Ø / Hz		
2	FCU Z2- 01	Celling Ducted Type	Second Floor Exhibit Area 2	16	4.55	2200	1038	60	220 / 1 / 60	1	ACCU Z2-01	Outdoor ACCU VRF TYPE	65.00	220 / 3 / 60	1	- Supply with Distribution Connecting Kit - All unit must Be Controlled using wireless Touch Pad Controller
	FCU Z2- 02	Celling Ducted Type		16	4.55	2200	1038	60	220 / 1 / 60	1						
	FCU Z2- 03	Celling Ducted Type		16	4.55	2200	1038	60	220 / 1 / 60	1						
	FCU Z2- 04	Celling Ducted Type		16	4.55	2200	1038	60	220 / 1 / 60	1						
	FCU Z2- 05	Celling Ducted Type		16	4.55	2200	1038	60	220 / 1 / 60	1						
	FCU Z2- 06	Celling Ducted Type		16	4.55	2200	1038	60	220 / 1 / 60	1						
	FCU Z2- 07	Celling Cassete Type		16	4.55	2200	1038	60	220 / 1 / 60	1						
	FCU Z2- 08	Celling Cassete Type		16	4.55	2200	1038	60	220 / 1 / 60	1						
	FCU Z2- 09	Celling Cassete Type		16	4.55	2200	1038	60	220 / 1 / 60	1						
	FCU Z2- 10	Celling Cassete Type		14	4	2040	962	60	220 / 1 / 60	1						
	FCU Z2- 11	Celling Cassete Type		14	4	2040	962	60	220 / 1 / 60	1						
	FAHU Z2- 01	All Fresh Air Ducted		22.4	6.37	3000	1415	220	220 / 1 / 60	1						

VRF SYSTEM

Indoor Unit Specification											Outdoor ACCU Unit Specification					
Zone No.	Unit ref.	Unit type	Location	Cooling capacity		Air flow Rate		ESP	Power Supply	Qty.	Unit Reference	Unit type	Power Input	Power Supply	Qty.	Remarks
				KW	TR	CFM	L/S	Pa	Volts / Ø / Hz				KW	Volts / Ø / Hz		
3	FCU Z3- 01	Wall Mounted	Multi Purpose Hall Area 3	6.3	1.8	1006	475	60	220 / 1 / 60	1	ACCU Z1-01	Outdoor ACCU VRF TYPE	20.00	220 / 3 / 60	1	- Supply with Distribution Connecting Kit - All unit must Be Controlled using wireless Touch Pad Controller
	FCU Z3- 02	Wall Mounted		6.3	1.8	1006	475	60	220 / 1 / 60	1						
	FCU Z3- 03	Wall Mounted		6.3	1.8	1006	475	60	220 / 1 / 60	1						
	FCU Z3- 04	Wall Mounted		6.3	1.8	1006	475	60	220 / 1 / 60	1						
	FCU Z3- 05	Wall Mounted		6.3	1.8	1006	475	60	220 / 1 / 60	1						
	FCU Z3- 06	Wall Mounted		6.3	1.8	1006	475	60	220 / 1 / 60	1						
	FCU Z3- 07	Wall Mounted		6.3	1.8	1006	475	60	220 / 1 / 60	1						
	FCU Z3- 08	Wall Mounted		6.3	1.8	1006	475	60	220 / 1 / 60	1						
	FCU Z3- 09	Wall Mounted		6.3	1.8	1006	475	60	220 / 1 / 60	1						
	FAHU Z3- 01	All Fresh Air Ducted		14	4	660	312	220	220 / 1 / 60	1						

OTHERS

EXHAUST FAN

Unit ref.	Unit type	Location	Air flow Rate		ESP	Power Supply	Qty.
			CFM	L/S	Pa	Volts / Ø / Hz	
EXFU - Z1	Centrifugal Fan	Zone 1 Ground Floor	2500	1180	400	220 / 1 / 60	1
EXFU - Z2	Centrifugal Fan	Zone 2 2nd Floor	2500	1180	400	220 / 1 / 60	1
EXFU - Z3	Centrifugal Fan	Zone 3 Multi purpose room	560	264	400	220 / 1 / 60	1

AIR CURTAIN

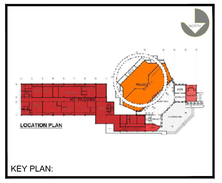
Unit ref.	Unit type	Location	CFM	OUTLET VELOCITY m/s	Volts / Ø / Hz	Qty.
AIR CURTAIN	STANDARD	Zone 1 Ground Floor	750	13	220 / 1 / 60	6

RETURN GRILLE

Unit ref.	Type	Location	Qty.
RETURN GRILLE	RECTANGULAR	Zone 2 2nd Floor	6

JET DIFFUSER

Unit ref.	Type	Location	
DIFFUSER	ROUND JET	Zone 2 2nd Floor	6



KEY PLAN:

LEGEND:
EQUIPMENT
DESIGNATED NO.
CASSETTE TYPE UNIT
FRESH AIR HANDLING UNIT
CEILING DUCTED TYPE
ACCU OUTDOOR UNIT
AIR CURTAIN
JET DIFFUSER
RETURN GRILLE
RISER
RP REFERENCE POINT

REFRIGERANT CIRCUITS
---------- CIRCUIT 1
---------- CIRCUIT 2
---------- CIRCUIT 3

REFERENCES

DWG. No.	REV	DESCRIPTION

REVISION

No.	DATE	DESCRIPTION	CHECKED BY

COORDINATION

	ARCH'L	CIVIL	ELECT'L	MECH'L	STRUC	SURVEY
GSCS						

SHOP DRAWING

CLIENT :

DOST NAST

CONTRACTOR :

GSCS Since 2016

PROJECT TITLE :
MECHANICAL DESIGN OF HVAC SYSTEM FOR PHIL. SCIENCE HERITAGE CENTER

DRAWING TITLE :

DRAWING TITLE | PREPARED BY: | CHECKED BY | VERIFIED BY

DATE: 14-05-2019 | REFERENCE | TRANSMITTAL NO.

CONTRACT No.	DRAWING No.	SCALE	REVISION No.
		1:150	01

PROFFESSIONAL MECHANICAL ENGINEER:

REYNALDO M. ISIDORO

PRC: 0003923 PTR: 5228406

TIN#: 103 - 181 - 869 - 000 DATE:

NOTES: