

DX-SPLIT AIR CONDITIONER UNITS

EQUIPMENT NO.	QTY.	TYPE	REQUIRED COOLING CAP. SENSIBLE/LATENT (BTU/HR)	REQUIRED HEATING CAP. (BTU/HR)	ACTUAL/NOMINAL CAP. SENSIBLE/LATENT (BTU/HR)	ELECTRIC POWER SUPPLY (V/PH/Hz)	POWER CONSUMPTION (KW)	SERVICE AREA	REMARK
1202-SUI-GCSCB-01 1202-SUO-GCSCB-01	1	WALL MOUNTED T3	9692.3/4966.4	2693.6	BY VENDOR	230/1/50	BY VENDOR	CONFERENCE ROOM	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)
1202-SUI-GCSCB-02 1202-SUO-GCSCB-02	1	WALL MOUNTED T3	3189.4/743.8	1498.9	BY VENDOR	230/1/50	BY VENDOR	MANAGEMENT ROOM	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)
1202-SUI-GCSCB-03 1202-SUO-GCSCB-03	1	WALL MOUNTED T3	4834.9/1487.7	2321.6	BY VENDOR	230/1/50	BY VENDOR	ENTRANCE + CORRIDOR	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)
1202-SUI-GCSCB-04 1202-SUO-GCSCB-04	1	WALL MOUNTED T3	1863.3/495.9	1021.8	BY VENDOR	230/1/50	BY VENDOR	ARCHIVE	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)
1202-SUI-GCSCB-05 1202-SUO-GCSCB-05	1	WALL MOUNTED T3	2866.4/728.8	1003.0	BY VENDOR	230/1/50	BY VENDOR	DINING ROOM	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)
1202-SUI-GCSCB-06 1202-SUO-GCSCB-06	1	WALL MOUNTED T3	6585.5/4902.5	1611.6	BY VENDOR	230/1/50	BY VENDOR	PRAYER ROOM	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)
1202-SUI-GCSCB-07 1202-SUO-GCSCB-07	1	WALL MOUNTED T3	21920.3/4083.5	5796.6	BY VENDOR	230/1/50	BY VENDOR	UPS	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING ONLY

EXHAUST FAN

EQUIPMENT NO.	TYPE	FLOW (L/S)	TOTAL EXTERNAL PRESSURE DROP* (PA.)	SERVICE AREA	QTY.	REMARK
1202-EF-GCSCB-01/A,B	UTILITY EX. FAN	349.05	150.55	UPS+BATTERY ROOM	1 DUTY 1 STANDBY	EQUIPPED WITH BIRD MESH EXPLOSION PROOF
1202-EF-GCSCB-02	UTILITY EX. FAN	198.50	80.13	PRAYER ROOM+STORE	1	EQUIPPED WITH BIRD MESH

*Total Pressure Drop Should Be Specified By Vendor.

AIR DISTRIBUTOR SCHEDULE

LOCATION	TAG. NO.	TYPE	FLOW RATE (L/S)	SIZE (mm)	QUANTITY	REMARK
UPS (ROOF)	S.T.L.-01	SAND TRAP LOUVER	349.18	500x500		DIAGONAL BLADE
UPS	S.D.-01	SUPPLY DIFFUSER	37.22	150x150	1	
BATTERY ROOM	S.D.-02	SUPPLY DIFFUSER	312.00	350x350	1	
UPS	E.D.-01	EXHAUST DIFFUSER	37.22	150x150	1	
STORE	E.D.-02	EXHAUST DIFFUSER	115.00	250x250	1	
PRAYER ROOM	E.D.-03	EXHAUST DIFFUSER	83.50	300x150	1	
BATTERY ROOM	E.R.-01	EXHAUST REGISTER	312.00	350x350	1	INSTALLATION LEVEL=+1.50 F.G.L
PRAYER ROOM	D.G.-01	DOOR GRILL	83.50	400x250	1	
STORE	D.G.-02	DOOR GRILL	115.00	400x350	1	
CORRIDOR	D.G.-03	DOOR GRILL	70.80	400x250	2	

DAMPER SCHEDULE

LOCATION	TAG. NO.	TYPE	SIZE (mm)	QUANTITY
UPS	V.D.-01	VOLUME DAMPER/OPOSED	150x150	1
BATTERY ROOM	V.D.-02	VOLUME DAMPER/OPOSED	350x250	1
UPS	V.D.-03	VOLUME DAMPER/OPOSED	150x150	1
BATTERY ROOM	V.D.-04	VOLUME DAMPER/OPOSED	350x250	1
STORE	V.D.-05	VOLUME DAMPER/OPOSED	250x200	1
PRAYER ROOM	V.D.-06	VOLUME DAMPER/OPOSED	250x150	1
UPS (CEILING)	B.P.V.-01	BLAST PROTECTION VALVE	500x500	1
BATTERY ROOM (CEILING)	B.P.V.-02	BLAST PROTECTION VALVE	500x500	1
PRAYER ROOM (CEILING)	B.P.V.-03	BLAST PROTECTION VALVE	300x300	1
UPS (CEILING)	F.D.-01	FUSIBLE LINK FIRE DAMPER	500x500	1
BATTERY ROOM (CEILING)	F.D.-02	FUSIBLE LINK FIRE DAMPER	500x500	1
PRAYER ROOM (CEILING)	F.D.-03	FUSIBLE LINK FIRE DAMPER	300x300	1
ROOF OF BATTERY ROOM	M.D.-01	MOTORIZED DAMPER/OPOSED	500x500	1
ROOF OF BATTERY ROOM	M.D.-02	MOTORIZED DAMPER/OPOSED	500x500	1

UPS AND BATTERY ROOM EXHAUST FANS WORKING STATUS:

- * EACH EXHAUST FAN INTERLOCK BY RELATED MOTORIZED DAMPER.
- * IF ONE OF THE EXHAUST FANS TURNS ON, THE RELATED MOTORIZED DAMPER IS OPEN AND VICE VERSA.
- * IF ONE OF THE EXHAUST FANS IS TURNED OFF, IN ADDITION TO CLOSING THE RELATED MOTOR DAMPER, THE MOTOR DAMPER OF THE OTHER EXHAUST FAN WILL OPEN AND THE RELATED EXHAUST FAN WILL START WORKING.

[illegible]

NOTES	
GENERAL NOTES: 1- ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. 2- CONTRACTOR SHALL COMPLY ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PIPING AND STRUCTURAL DRAWINGS AND IN CASE OF ANY CONFLICTS OR DISCREPANCY, INFORM THE SUNDIALA. 3- ALL WAG WORK SHALL BE DONE IN LINE WITH TECHNICAL SPECIFICATIONS. 4- RETENTION TIME (GAS & LIQUID) SIZE SHOULD BE SPECIFIED BY VENDOR.	
LEGEND	
REFERENCE DRAWING	DWG. No.
HVAC & Plumbing Design Criteria	HE-008AL-PEXCO-000-00-00-0000
Specification For HVAC Equipment	HE-008AL-PEXCO-000-00-00-0000
Specification For Duct Work & Pipe Work	HE-008AL-PEXCO-000-00-00-0000
Standard Drawing For HVAC & Plumbing	HE-008AL-PEXCO-000-00-00-0000
Symbol & Legend For HVAC & Plumbing	HE-008AL-PEXCO-000-00-00-0000
HVAC Calculation Note For Extension of Existing Control Building	HE-003-PEXCO-100-00-00-0000
HVAC System Legend & Part Extension of Existing Control Building	HE-003-PEXCO-100-00-00-0000

