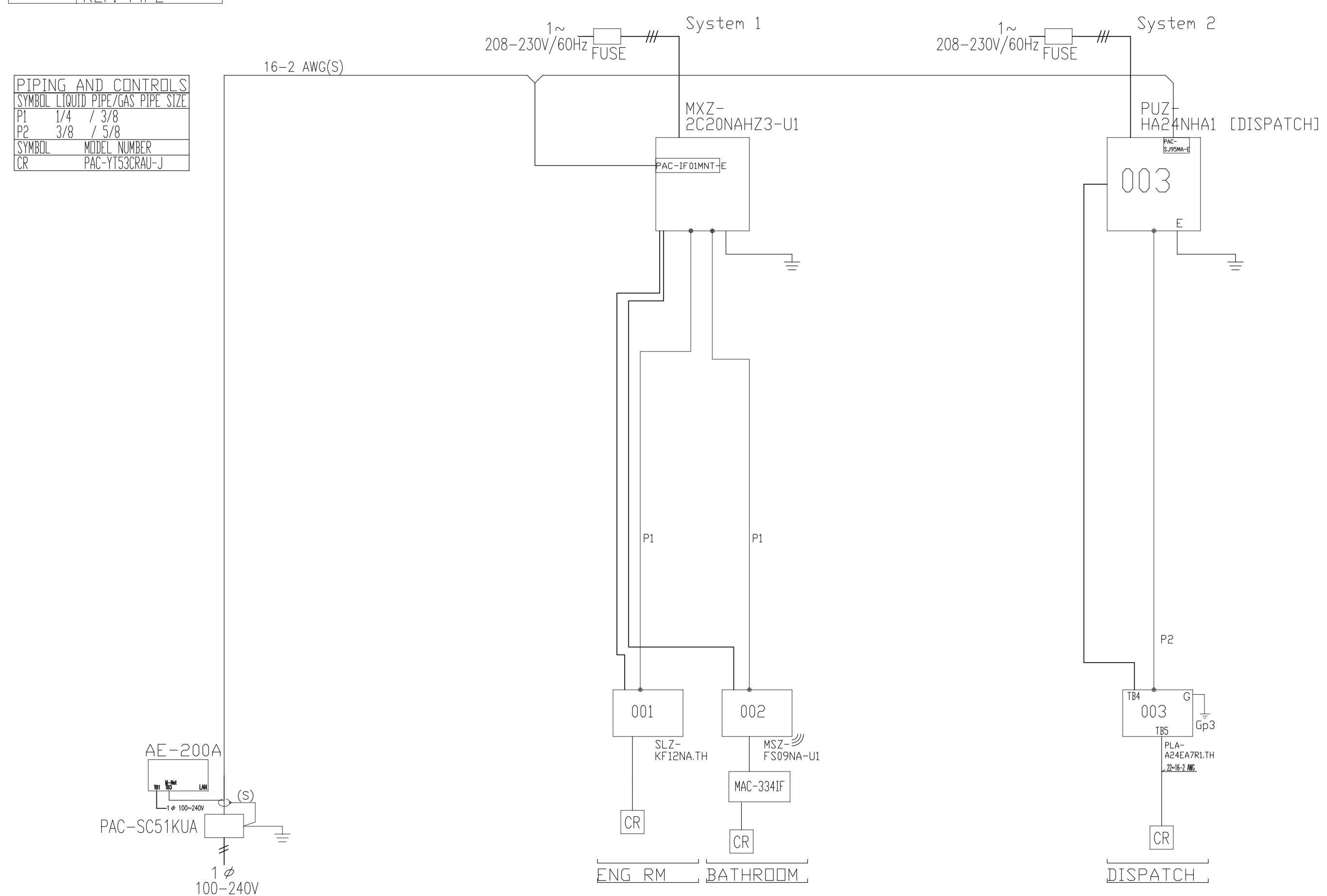


DIAGRAM	SYMBOL	LEGEND	CONT.No	PAGE
DISP	///	POWER WIRE		
	---	CONTROL WIRE		
	---	REF. PIPE		

CITY MULTI
SYSTEM SCHEMATIC DWG.

Coded Notes:
NOTE 1: Install twinning Y's within 15 degrees of level and with 20 inches of straight pipe on converging connection - reference installation manual for additional details including but not limited to special trapping requirements when twinning, and pipe slope requirements

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more, 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).



PIPING AND CONTROLS	SYMBOL	LIQUID PIPE / GAS PIPE SIZE
P1	1/4" / 3/8"	
P2	3/8" / 5/8"	
CR		

DESIGNATION	MANUF.	MODEL#	ELEC	AMPS	RELAY RATING	SENSORS	SHIPPING WEIGHT	REMARKS
CD/ND-1	MACURCO	CX-12	120/1	1.0	5 AMPS	CSID2A	15 lbs	APP/WET BAYS

INCLUDE: HORN STROBE, CALIBRATION KIT, CONTROL PANEL FAN RELAYS.

TAG	SERVICE	TYPE	FAN DATA							DAMPER SIZE	ROOF OPENING	WEIGHT (LBS)	GREENCHECK MODEL NO	NOTES
			CFM	S.P.	WATT	VOLT	PH	H.P.	RPM					
EF-1	BATHROOMS	INLINE	120	0.35	35	115	1	-	1,400	-	-	26	SP-A190	-

PROVIDE: MOUNTING, HANGING/SPRING VIBRATION ISOLATION, FLASHING OF TERMINATION, FLEXIBLE CONNECTORS, BACKDRAFT DAMPER, DISCONNECT, GRILLE MOUNTED MOTION DETECTOR, ROUND DUCT CONNECTOR, ENERGY STAR.

TAG	SERVICE	TYPE	FAN DATA							DAMPER SIZE	ROOF OPENING	WEIGHT (LBS)	GREENCHECK MODEL NO	NOTES
			CFM	S.P.	AMPS	VOLT	PH	H.P.	RPM					
EF-2	APPARATUS BAYS	ROOF	2025	0.75	7.0	208	1	1.0	1,066	-	-	91	G-160-VG	-

PROVIDE: MOUNTING, VARIGREEN MOTOR, FLASHING OF TERMINATION, FLEXIBLE CONNECTORS, BACKDRAFT DAMPER, DISCONNECT, 24" HIGH CURB.

MARK	MANUFACTURER TYPE & MODEL	HEATING / BTU		TEMP. RISE	F.L.A.	MOTOR DATA				WEIGHT	LOCATION(S)	
		INPUT	OUTPUT			CFM	HP	VOLTS	PHASE			AMPS
UH-1	MODINE HDS-60	60,000	49,200	45°F	3.3	990	1/12	115	1	3.3	80 LBS.	APPARATUS BAY
UH-2	MODINE HDS-60	60,000	49,200	45°F	3.3	990	1/12	115	1	3.3	80 LBS.	APPARATUS BAY
UH-3	MODINE HDS-60	60,000	49,200	45°F	3.3	990	1/12	115	1	3.3	80 LBS.	APPARATUS BAY
UH-4	MODINE HDS-60	60,000	49,200	45°F	3.3	990	1/12	115	1	3.3	80 LBS.	APPARATUS BAY

1. PROVIDE AND INSTALL WALL MOUNTED THERMOSTAT WITH SUB-BASE.
2. PROVIDE AND INSTALL INTAKE AND EXHAUST PIPING, CONCENTRIC ROOF TERMINATION KIT WITH FLASHING.
3. PROVIDE LOCKING THERMOSTAT GUARD.

DESIGNATION	MAKE	MODEL	POWER SUPPLY			QTY	H.P.	LISTINGS
			VOLTAGE	PHASE	AMPS			
AP-1	MAGNEGRIP	AIRHAWK 1000 XL	230	1	9	1	1.0	UL507/ETL

PROVIDE: PROGRAMMABLE TIMECLOCK AND ALL CONTROL WIRING BY MECHANICAL CONTRACTOR.

MARK	MANUFACTURER TYPE & MODEL	COILS	WATTS	ENTERING AIR (°F)	BTU/HR.	ELECTRICAL DATA				REMARKS	LOCATION(S)	
						CFM	HP	VOLTS	PHASE			AMPS
EUH-1	QMARK CWH3404F	1	3,000	40	10,236	100	-	208	1	14.5	-	UTILITY RM

PROVIDE: DISCONNECT, WALL MOUNT

DESIGNATION	RATING (TONS)	NO. OF MODULES	REFRIG CHARGE	COOLING CAPACITY (BTU's)	HEATING CAPACITY (BTU's)	POWER SUPPLY				MAKE	MODEL	SEER/HSPF	LOCATION	SERVICE
						VOLTAGE	PHASE	MCA	MCCP					
HP-1	2	1	R-410A	24,000	28,000	208/230	1	30	40	MITSUBISHI	MXZ-2C20NAHZ3-U1	19.5/10.6	ROOF	FC-1 & 2
HP-1	2	1	R-410A	24,000	28,000	208/230	1	18	25	MITSUBISHI	PUZ-HA24NHA1	21.5/11.3	ROOF	FC-3

INCLUDE: EQUIPMENT RAILS, REFRIGERANT LINE SETS, INSULATION, DISCONNECT, FUSES, WHIP, REMOTE MOUNTED THERMOSTAT.

DESIGNATION	POWER SUPPLY				TONS	COOLING MBH	HEATING MBH	CFM	HP	MAKE	MODEL	LOCATION	WEIGHT
	VOLTAGE	PHASE	MCA	MAX FUSE									
FC-1	208	1	.36	OUTDOOR	2	24.0	24.0	700	-	MITSUBISHI	SLZ-KF12NA.TH	ENGINEER ROOM	46 LBS.
FC-2	208	1	.36	OUTDOOR	2	24.0	24.0	700	-	MITSUBISHI	MSZF509NA-U1	BATHROOM	46 LBS.
FC-3	208	1	.36	OUTDOOR	2	24.0	24.0	700	-	MITSUBISHI	PLAEA7RI.TH	READY ROOM	56 LBS.

NOTES: PROVIDE DISCONNECT SWITCH, FILTERS, CONDENSATE DRAIN PIPING, REFRIG. PIPING & INSULATION, 7 DAY PROGRAMMABLE THERMOSTAT, CONTROLS, CONTROL WIRING, CONDENSATE PUMP.

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TAPPAN NY, 10983
MECHANICAL EQUIPMENT
SCHEDULES & RISER DIAGRAM

PROJECT #: 21-08

DRAWN BY:

CAD FILE: 21-08/P:/BID

DRAWING#:

M-5