

**GENERAL NOTES: MECHANICAL WORKS**

1. ALL MECHANICAL DESIGN AND INSTALLATION WORKS SHALL BE IN ACCORDANCE WITH THE LATEST ASHRAE AND SMACNA STANDARDS, PSME CODE, NATIONAL BUILDING CODE AND THE CITY ORDINANCES.
2. THE TOTAL SCOPE OF WORK SHALL INCLUDE ALL WORKS DESCRIBED IN PLANS AND LISTED IN THE TECHNICAL SPECIFICATIONS FOR MECHANICAL WORKS.
3. THE WORKS SHALL BE EXECUTED IN CLOSE COORDINATION WITH ALL TRADES SUPERVISED BY ENGINEERING PRACTITIONER.
4. ALL AIR CONDITIONED SPACES SHALL BE MAINTAINED AT 24°C TO 25°C Db @ 50% ±5 RH.
5. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
6. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE BALANCING, TESTING AND COMMISSIONING OF THE WHOLE VENTILATION AND AIR CONDITIONING SYSTEM AS INSTALLED.
7. ALL POWER WIRINGS UP TO CIRCUIT BREAKER SHALL BE BY ELECTRICAL CONTRACTOR AND FROM CIRCUIT BREAKER TO EQUIPMENT BY MECHANICAL CONTRACTOR, SEE NOTE UNDER SEQUENCE OF OPERATION.
8. VERIFY LOCATION OF THERMOSTAT IN COORDINATION TO ARCHITECTURAL LOCATION.
9. PROVIDE PIPE SLEEVES FOR ALL PIPING PASSING THROUGH BUILDING STRUCTURE.
10. PIPE INSULATION SHALL BE 15mm THK ELASTOMERIC RUBBER FOR DRAIN LINES AND 25mm THK ELASTOMERIC RUBBER WITH VAPOR BARRIER FOR REFRIGERANT LINES.
11. PIPE ALL EQUIPMENT CONDENSATE DRAIN LINE TO THE NEAREST FLOOR DRAIN, DRAIN STUB-OUT OR CATCH BASIN PROVIDED BY THE PLUMBING CONTRACTOR. USE MINIMUM OF 25mm, POC DRAIN LINE.
12. ALL REFRIGERANT PIPE SHALL BE TYPE "L" HARD DRAWN COPPER TUBING FOR 5TR AND TYPE "M" FOR BELOW 5TR.
13. PITCH ALL HORIZONTAL REFRIGERATION LINE WITH A MINIMUM OF 13mm IN 3m IN THE DIRECTION OF REFRIGERANT FLOW.
14. PROVIDE OIL TRAP WHEN EVER FAN COIL UNIT ELEVATION IS BELOW THE ACCU.
15. USE THE NEXT BIGGER SIZE REFRIGERANT PIPE WHEN THE TOTAL EQUIVALENT LENGTH IS MORE THAN 25M.
16. ALL INCIDENTAL MATERIALS AND SERVICES ESSENTIAL TO THE COMPLETION OF THE PROJECT SHALL BE PROVIDED AND RENDERED AT THE CONTRACTOR'S LIABILITY AND RESPONSIBILITIES.
17. APPROPRIATE MOUNTING AND SUPPORTS SHALL BE PROVIDED TO RIGIDLY SECURE ALL INSTALLATION.

**EQUIPMENT SCHEDULE: AIR-COOLED CONDENSING UNITS**

DESIGNATION	AIR DISCHARGE	CONDENSER DATA					REFRIGERANT PIPE SIZE		BREAKER DATA			POWER INPUT (kW)	SERIAL NUMBER	LOCATION		REMARKS
		NO. OF FAN	DRIVE	VOLT	PHASE	HERTZ	SUCTION	DISCHARGE	AT	PHASE	KAIC			FLOOR	AREA	
ACCU 101 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	50	1	18	5.71	E004943	THIRD	ROOFDECK	FOR RELOCATION
ACCU 201 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	50	1	18	5.71	E004980	THIRD	ROOFDECK	FOR RELOCATION
ACCU 202 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	50	1	18	5.71	E004944	THIRD	ROOFDECK	FOR RELOCATION
ACCU 203 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	50	1	18	5.71	E004982	THIRD	ROOFDECK	FOR RELOCATION
ACCU 204 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	50	1	18	5.71	E004933	THIRD	ROOFDECK	FOR RELOCATION
ACCU 205 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	50	1	18	5.71	E004978	THIRD	ROOFDECK	FOR RELOCATION
ACCU 206 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	50	1	18	5.71	E004983	THIRD	ROOFDECK	FOR RELOCATION
ACCU 207 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	40	1	18	3.48	E007815	THIRD	ROOFDECK	FOR RELOCATION
ACCU 208 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	40	1	18	3.48	E008066	THIRD	ROOFDECK	FOR RELOCATION
ACCU 209 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	40	1	18	3.48	E008930	THIRD	ROOFDECK	FOR RELOCATION
ACCU 210 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	40	1	18	3.48	E008926	THIRD	ROOFDECK	FOR RELOCATION
ACCU 211 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	40	1	18	3.48	E003060	THIRD	ROOFDECK	FOR RELOCATION
ACCU 212 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	30	1	18	1.24	E025302	THIRD	ROOF	FOR RELOCATION
ACCU 213 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	30	1	18	1.24	E025300	THIRD	ROOF	FOR RELOCATION

**MECHANICAL LEGEND & ABBREVIATION**

ACCU	AIR-COOLED CONDENSING UNIT		WALL MOUNTED TRANSFER FAN	EF	EXHAUST FAN
FCU	FAN COIL UNIT		CEILING MOUNTED EXHAUST FAN	AC	AIR CURTAIN
	AIR FLOW		AIR-CURTAIN	CFM	CUBIC FEET PER MINUTE
	AIR-COOLED CONDENSING UNIT	KW	KILOWATTS	PH	PHASE
	FAN COIL UNIT	V	VOLTS	HZ	HERTZ
	EQUIPMENT NUMBER	HP	HORSE POWER	N	BRAND NEW UNIT

**EQUIPMENT SCHEDULE: VENTILATING FANS**

DESIGNATION	TYPE	DESCRIPTION	SUPPLY AIR CFM	MOTOR RATINGS WATTS	FAN EFFICIENCY (MINIMUM)	DRIVE	ELECTRICAL CHARACTERISTICS			LOCATION		REMARKS
							VOLTS	PHASE	HERTZ	FLOOR	AREA SERVED	
AC 201 - N	AIR-CURTAIN	3m EFFECTIVE DISTANCE	700 (MINIMUM)	80-120	80	DIRECT	230	1	60	SECOND	MAIN ENTRANCE/EXIT	PROPOSED UNIT
AC 202 - N	AIR-CURTAIN	3m EFFECTIVE DISTANCE	700 (MINIMUM)	80-120	80	DIRECT	230	1	60	SECOND	MAIN ENTRANCE/EXIT	PROPOSED UNIT
TF 101 - N	TRANSFER FAN	WALL TYPE W/ SHUTTER	300 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	ELECTRICAL ROOM	PROPOSED UNIT
TF 201 - N	TRANSFER FAN	WALL TYPE W/ SHUTTER	300 (MINIMUM)	30-50	80	DIRECT	230	1	60	SECOND	RECORDS ROOM	PROPOSED UNIT
TF 202 - N	TRANSFER FAN	WALL TYPE W/ SHUTTER	300 (MINIMUM)	30-50	80	DIRECT	230	1	60	SECOND	STOCK ROOM	PROPOSED UNIT
EF 101 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	PWD/PUBLIC TOILET	PROPOSED UNIT
EF 102 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	PE ROOM	PROPOSED UNIT
EF 201 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	SECOND	PANTRY	PROPOSED UNIT
EF 202 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	SECOND	FEMALE EMPLOYEE TOILET	PROPOSED UNIT
EF 203 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	SECOND	MALE EMPLOYEE TOILET	PROPOSED UNIT
EF 204 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	SECOND	FEMALE PUBLIC TOILET	PROPOSED UNIT
EF 205 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	SECOND	MALE PUBLIC TOILET	PROPOSED UNIT

**EQUIPMENT SCHEDULE: FAN COIL UNITS**

DESIGNATION	DESCRIPTION	COOLING CAPACITY		BLOWER FAN DATA				APPROXIMATE PIPING LENGTH (ft)	BRAND	SERIAL NUMBER	LOCATION		REMARKS
		TR/HP	BTU/HR	DRIVE	VOLT	PHASE	HERTZ				FLOOR	AREA SERVED	
FCU 101 - R	FLOOR MOUNTED	6 HP	47800	DIRECT	220	1	60	141	DAIKIN	G002046	GROUND	MEDICAL EVALUATION CENTER	FOR RELOCATION
FCU 201 - R	FLOOR MOUNTED	6 HP	47800	DIRECT	220	1	60	158	DAIKIN	G001881	SECOND	SEATING AREA	FOR RELOCATION
FCU 202 - R	FLOOR MOUNTED	6 HP	47800	DIRECT	220	1	60	143	DAIKIN	G002068	SECOND	SEATING AREA	FOR RELOCATION
FCU 203 - R	FLOOR MOUNTED	6 HP	47800	DIRECT	220	1	60	128	DAIKIN	G002067	SECOND	SEATING AREA	FOR RELOCATION
FCU 204 - R	FLOOR MOUNTED	6 HP	47800	DIRECT	220	1	60	130	DAIKIN	G002066	SECOND	BENEFITS SECTION COUNTERS	FOR RELOCATION
FCU 205 - R	FLOOR MOUNTED	6 HP	47800	DIRECT	220	1	60	97	DAIKIN	G002052	SECOND	TELLER SECTION	FOR RELOCATION
FCU 206 - R	FLOOR MOUNTED	6 HP	47800	DIRECT	220	1	60	111	DAIKIN	G002048	SECOND	BENEFITS SECTION BACKROOM	FOR RELOCATION
FCU 207 - R	FLOOR MOUNTED	4 HP	34100	DIRECT	220	1	60	144	DAIKIN	G001377	SECOND	ACCOUNTS MANAGEMENT SECTION	FOR RELOCATION
FCU 208 - R	FLOOR MOUNTED	4 HP	34100	DIRECT	220	1	60	112	DAIKIN	G001340	SECOND	ACCOUNTS MANAGEMENT SECTION	FOR RELOCATION
FCU 209 - R	FLOOR MOUNTED	4 HP	34100	DIRECT	220	1	60	161	DAIKIN	G001338	SECOND	ADMINISTRATIVE ECTION	FOR RELOCATION
FCU 210 - R	FLOOR MOUNTED	4 HP	34100	DIRECT	220	1	60	97	DAIKIN	G001510	SECOND	e - TERMINALS	FOR RELOCATION
FCU 211 - R	FLOOR MOUNTED	4 HP	34100	DIRECT	220	1	60	107	DAIKIN	G001511	SECOND	ABH AREA BENEFITS SECTION BACKROOM	FOR RELOCATION
FCU 212 - R	WALL MOUNTED	2 HP	17700	DIRECT	220	1	60	10	DAIKIN	E025920	SECOND	CONFERENCE ROOM	FOR RELOCATION
FCU 213 - R	WALL MOUNTED	2 HP	17700	DIRECT	220	1	60	10	DAIKIN	E026131	SECOND	OFFICE OF THE BRANCH HEAD	FOR RELOCATION



ENGINEERING AND FACILITIES MANAGEMENT DEPARTMENT

PROJECT TITLE:  
**PROPOSED RELOCATION OF SSS PASAY - ROXAS BRANCH**

LOCATION: Seascape Village, Atang Dela Rama cor. Zoilo Hilario St., CCP Complex Brgy. 076, Pasay City

RECOMMENDING APPROVAL:  
**STEPHEN P. YAP**  
ACTING HEAD - EFM

APPROVED BY:  
**HYDEE R. RAQUID**  
ACTING HEAD - GSD

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CONCURRENT ACTING HEAD  
NCR OPERATIONS GROUP

APPROVED FOR IMPLEMENTATION:  
**JOHNSY L. MANGUNDAYAO**  
ACTING HEAD - ADMINISTRATION GROUP

**ENGINEERING TEAM**  
DESIGNED & DRAWN BY:  
Antonio V. Trinos, Jr - Sr. Engr, EMT-1  
REVIEWED & CHECKED BY:  
George N. Carreon - SSO V, EMT - 1

SHEET CONTENT:  
GENERAL NOTES  
LEGEND & ABBREVIATION  
EQUIPMENT SCHEDULE

ALL DRAWINGS MUST BE VERIFIED ON SITE BY THE CONTRACTOR. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE ARCHITECT AND PROJECT MANAGERS.  
CONTRACTORS ARE TO PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORKS.

SHEET NO.  
**M-01**  
DATE:  
April 22, 2021