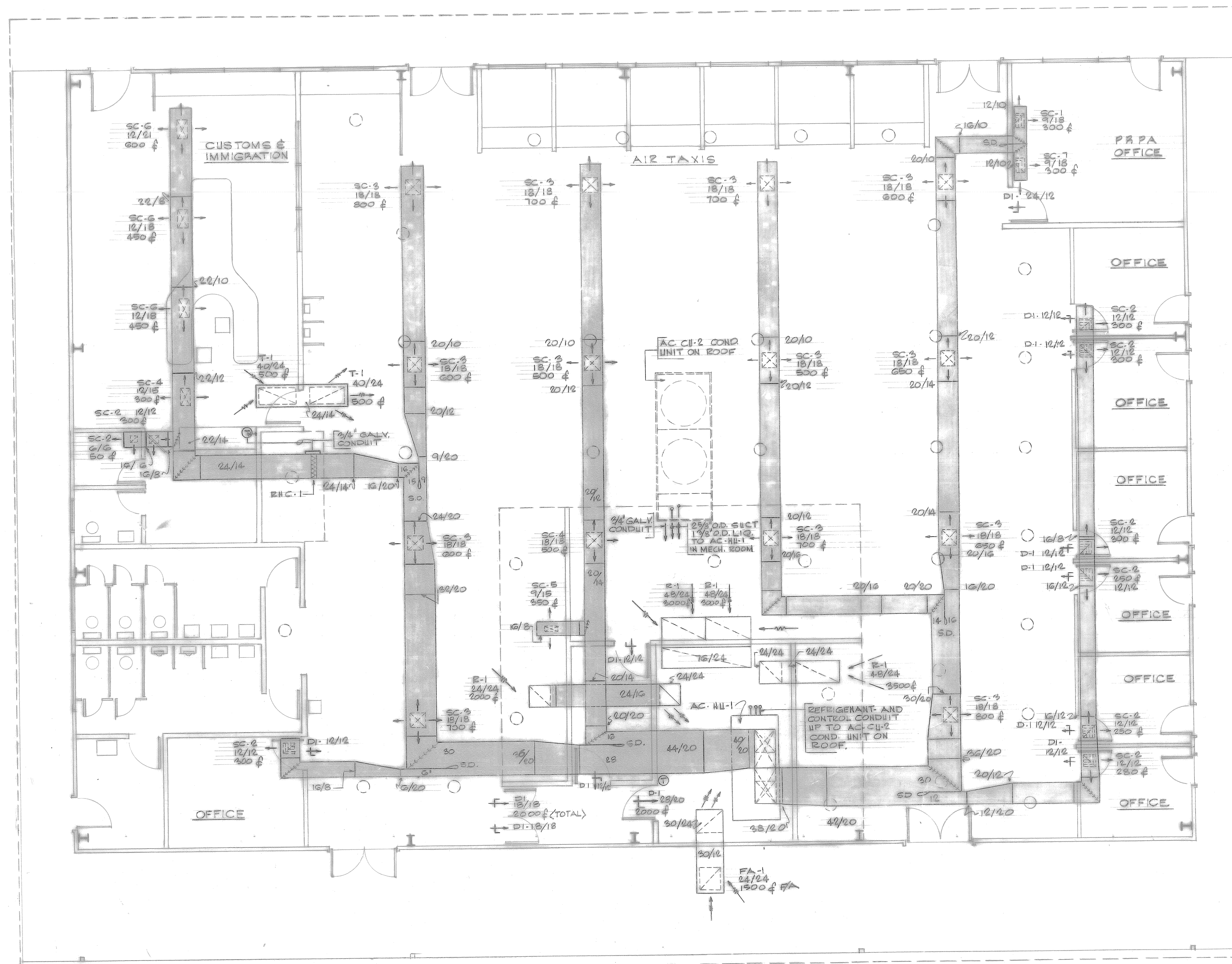




LEGEND

- F/A FRESH AIR
- R/A RETURN AIR
- RHC ELECTRIC REHEAT COIL
- SD SPLITTER DAMPER
- T ELECTRIC, TWO STEP THERMOSTAT FOR 120 VOLTS, BARBER COLMAN TC-153
- CS CEILING SUPPLY DIFFUSER
- RA RETURN AIR DEVICE
- FI FRESH AIR INTAKE DEVICE
- DL DOOR LOUVER
- CFM AIR
- REHEAT, EXHAUST OR FRESH AIR
- MERCURY LIGHTING FIXTURE

AIR CONDITIONING LAYOUT
SCALE 3/16" = 1'-0"

JOSE CARBIA BENITEZ & ASSOCIATES
ENGINEERS CONSULTANTS PLANNERS

ANA ROQUE, SIO URB. LOS MAESTROS, HATO REY, PUERTO RICO, 00918

JOSE CARBIA BENITEZ LIC. 2843 DATE 11/27/70

AC-1

REVISIONS		BY	APP	DATE
AIR CONDITIONING LAYOUT				
Puerto Rico Ports Authority	DESIGNED	J.U.		
ENGINEERING OFFICE	DRAWN	A.M.B.		
	CHECKED	A.M.B.		
	SUBMITTED	J.C.B.		
PASSENGER TERMINAL BLDG. AT ISLA GRANDE AIRPORT	DATE	NOV. 27 / 70		
	DRAWING NO.	299-A10.2		
	SCALE	AS SHOWN		
	SHEET	19	20	

SCHEDULE OF AIR HANDLING & CONDENSING UNITS (SPLIT SYSTEM)

A.C. UNITS			FAN SECTION								COOLING COIL SECTION (5/8" O.D. TUBES - SERIES 144 FINS)										FILTER BANK		CONDENSING - SECTION (COIL - 5/8" O.D. SERIES 144 FINS)										MANUFACTURER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
MARKED	TYPE	LOCATION	N°	TOTAL	E/A	F/A	MAX. TOTAL	EVAP. FAN MOTOR	CFM	MAX. FACE	MIN	AIR - SIDE		REFRIGERANT - SIDE		CFM	PRE-FILTER	FINAL FILTER	WHEELS OR BLADES THROUGH COND. COIL	TOTAL CFM	ENT AIR TEMP. OF	COIL	REF. TEMP.	TOTAL CAP.	CONDENSER	FAN MOTOR	THE TRANE COMPANY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			WIRES	CFM	CFM	CFM	OUTLET VELOC. (FPM)	HP		VOLTS	G.P.M.	VELOC. (FPM)	ROWS	ENTER. TEMP. DB	LEAV. TEMP. WB			TEMP. OF REFRIG. DB		EXPANSION DEVICE WB	NO. & SIZE CLEANABLE R.V. FILTER	MIN. SECTION	COND. TEMP. OF	MIN. TOTAL CAP. BTU/HOUR	HP	VOLTS	CFM	MODEL	TOTAL KW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
AC-HU-1	AIR HANDLING UNIT	MECHANICAL ROOM	2	14000	12500	1500	2100	3/4	1 1/2	208	3	76.7	64.7	57.5	55.5	45	R 22	2 - TX VALVES	14000	NONE	14 - 16 x 25 x 2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

AIR DEVICE SCHEDULE (SUPPLY, RETURN, FRESH AIR & EXHAUST)

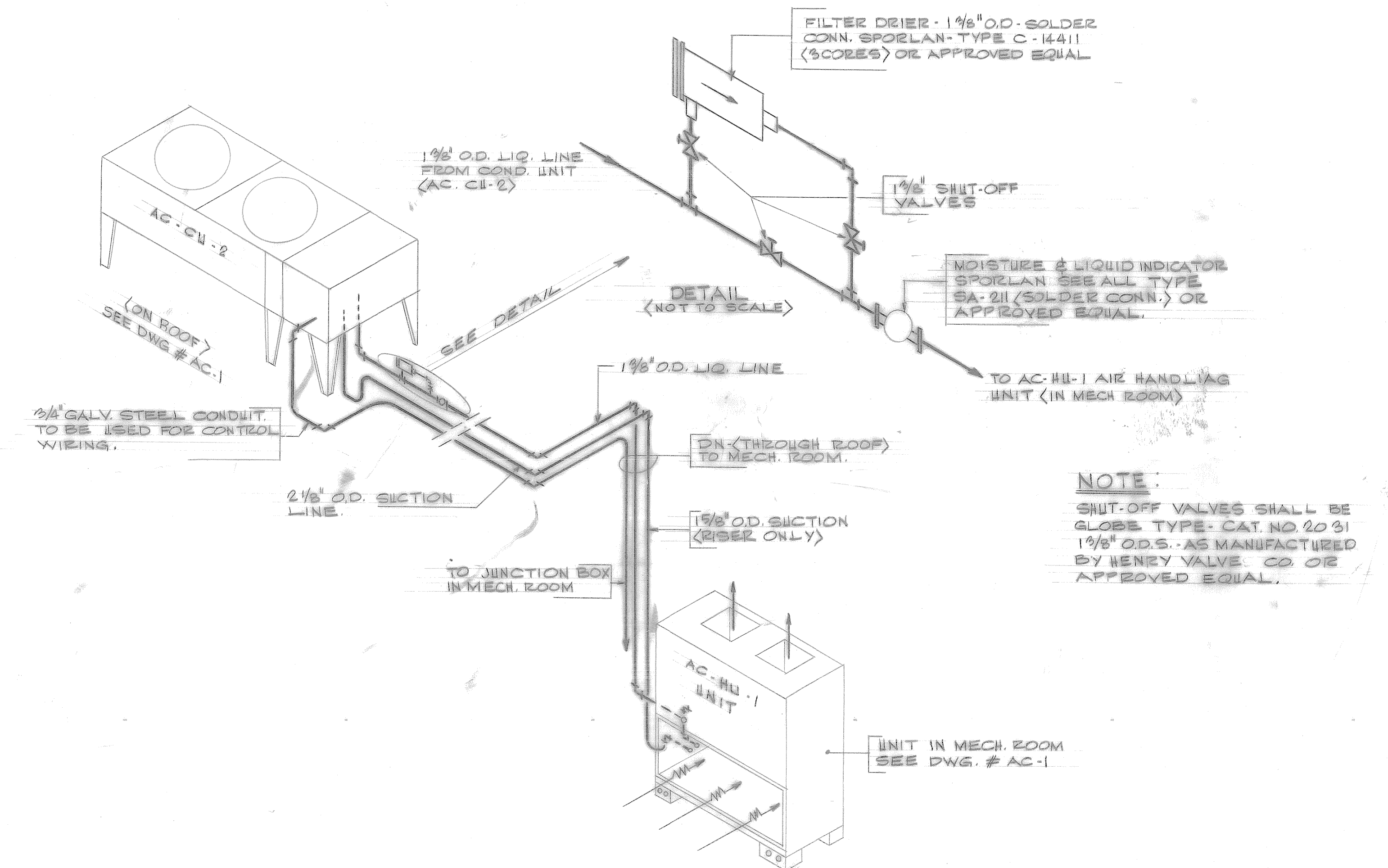
MKD	FUNCTION	DESCRIPTION	MODEL OR TYPE	SIZE	MANUFACTURER	CFM	CONSTRUCTION	ACCESSORIES	REMARKS
SC-1	SUPPLY	CEILING DIFFUSER (DIRECTIONAL)	SERIES 5000-M2	AS SHOWN	METAL INDUSTRIES INC. (METALAIR)	AS SHOWN	EXTRUDED ALUMINUM	MODEL 5-D OPPOSED BLADE EXTRUDED ALUMINUM DAMPER	TWO-WAY CORNER PATTERN - J4
SC-2	"	"	"	"	"	"	"	"	2 WAY CORNER (SQUARE) PATTERN - J5
SC-3	"	"	"	"	"	"	"	"	4 WAY - RECTANGULAR PATTERN - W4
SC-4	"	"	"	"	"	"	"	"	3 WAY - PATTERN - Z3
SC-5	"	"	"	"	"	"	"	"	2 WAY - OPPOSITE PATTERN - W2
SC-6	"	"	"	"	"	"	"	"	4 WAY - SQUARE PATTERN - W4
SC-7	"	"	"	"	"	"	"	"	2 WAY - CORNER PATTERN - J5
R-1	RETURN	CEILING REGISTER	CC-1-TB DA	AS SHOWN	METAL INDUSTRIES INC. (METALAIR)	AS SHOWN	EXTRUDED ALUMINUM		
T-1	TRANSFER	CEILING GRILLE	CC-1-TB	AS SHOWN	METAL INDUSTRIES INC. (METALAIR)	AS SHOWN	EXTRUDED ALUMINUM		
FA-1	FRESH AIR (INTAKE)	CEILING REGISTER	CC-1-TB DA	AS SHOWN	METAL INDUSTRIES INC. (METALAIR)	AS SHOWN	EXTRUDED ALUMINUM	ALUMINUM BIED SCREEN	
D-1	TRANSFER (THROUGH DOOR)	LOUVER ON DOOR		"	"	"	WOOD - LOUVER		BY GENERAL CONTRACTOR

REHEAT COIL SCHEDULE (2 STEPS, 3 PHASE, 208 VOLTS)

MKD	TYPE OF CONSTRUCTION	WATTS	CFM	DUCT DIMENS.	CONTROL UNDER	THERMAL SAFETY DEVICES	MANUFACTURER	REMARKS
RHCH	SLIP-IN GALV. STEEL	7000	2050	24" x 14"	2-STEP THERMOSTAT	AUTOMATIC RESET THERMAL CUTOFF & HEAT LIMITER	ELECTRODUCT - AS MANUFACTURED BY BRACH MFG. CO. INC.	AIR FLOW SWITCH & MAGNETIC CONTACTORS TO BE BUILT-IN HEATER BUILT IN 2-STEP THERMOSTAT CONTROL

NOTES:

- INSTALLATION OF THE A.C. UNITS, REFRIGERANT PIPING, ELECTRIC POWER & CONTROL WIRING SHALL BE PERFORMED FOLLOWING THE MANUFACTURER'S INSTRUCTIONS.
- MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL TWO CONTACTORS CONTROLLING ELECTRIC REHEAT COIL. ELECTRICAL CONTRACTOR SHALL BRING POWER TO A POINT NEAR REHEAT COIL AND TERMINATE IN A SAFETY DISCONNECT SWITCH.
- RUN 1 1/2" UNINSULATED PVC PIPE FROM A.C. UNIT CONDENSATE DRAIN CONNECTION TO FLOOR DRAIN IN MECHANICAL ROOM.



ISOMETRIC REFRIGERANT PIPING DIAGRAM
NOT TO SCALE

AIR CONDITIONING

JOSE CARBIA BENITEZ & ASSOCIATES
ENGINEERS CONSULTANTS PLANNERS

ANA ROQUE, SIO URB. LOS MAESTROS, HATO REY, PUERTO RICO, 00918

JOSE CARBIA BENITEZ LIC. NO. 2643 DATE 11/21/70

AC-2

REVISIONS		BY	DATE
AIR CONDITIONING SCHEDULES & PIPING			
Puerto Rico Ports Authority	DESIGNED	J.D.	
ENGINEERING OFFICE	DRAWN	A.M.B.	
	CHECKED	J.C.B.	
PASSENGER TERMINAL BLDG.	SCHEMATIC	J.C.B.	
AT ISLA GRANDE AIRPORT	DATE	NOV 27 / 70	
	DRAWING NO.	244-110-2	
	SCALE	AS SHOWN	
	SHEET	20 OF 20	