

AIR HANDLING UNITS	LING UNI	ST								HEAT	HEAT PUMP UNIT	
MARK OFFI	HSE HSE		OUTDOOR O	COOLING CAPACITY (MBTUH)	HEATING CAPACITY (MBTUH)	00	RESISTANCE HEAT (KM)	TO TO	MANUFACTURER (CARRIER)	7 7 7 7 7 7 7 7 7 7	MANUFACTURER (CARRIER)	SEER/EER
FCU-1 600	0.6	<i>o</i>	300	17.5	17.6	3.6	8.0	e/_	FX4CHFOI0	<u>+</u> 0-	25HCA318	14.5/11.7
FCU-2 1200	0.6	<i>o</i> ,	394	34.4	35.O	3.6	8.0	1/2	FX4CHF036	Hp-2	25HCA336	14.0/11.5
FCU-3 1400	0.6		394	41.55	42.0	3.7	<i>8.0</i>	1/2	FX4CHFO42	HP-3	25HCA342	14.0/11.2
TOTAL OUTSIDE AIR:	SIDE AIR	ζ:										

I. COOLING CAPACITY AT 45° FOID CONDENSER ENTERING AIR TEMPATURE, 61° FWD EVAPORATOR ENTERING AIR TEMPERATURE.

2. HEAT PUMP HEATING CAPACITY BASED ON 70° F CONDENSER ENTERING AIR TEMPERATURE, 40° F EVAPORATOR ENTERING AIR TEMPERATURE.

3. PROVIDE MANUFACTURER LONG-LINE APPLICATION KIT FOR REFRIGERANT PIPING LENGTHS GREATER THAN 50FT.

4. PROVIDE SINGLE POINT CONNECTION FOR ELECTRIC HEATERS

5. REFER TO ELECTRICAL DRAWINGS FOR UNIT VOLTAGE \$ PHASE.

TYPICAL FLEXIBLE DUCTWORK. (MAXIMUM LENGTH &'-O")

BASED ON STANDARD MECHANICAL CODE TABLE 403.3
MINIMUM REQ'D. OUTSIDE AIR CFM
600
24
788
<u>0</u>
765
143
<u>@</u>
2501

I. MAXIUM OCCUPANCY FOR CHANCEL/SANCTUARY/FELLOWSHIP/MULTIPURPOSE AREAS BASED ON SEATING COUNT PROVIDE	SE AREAS BASED ON SEATING COUNT PROVIDE
2. OUTDOOR AIR QUANTITY REQUIRED FOR CLASSROOMS AND SANCTUARY/FELLOWSHIP BASED ON IMC 6.1.2	TELLOWSHIP BASED ON IMC 6.1.2
IAQ PROCEDURE	
3. EXCEPTION TO CHAPTER 403 OF IMC 2006 SECTION 403.2 IS CLAIMED FOR THIS PROJECT	FOR THIS PROJECT. THE ADDITION OF IONIZAT
FILTERS IN EACH OF THE SANCTUARY AND CLASSROOM HVAC UNITS PROVIDES TREATED OUTSIDE AIR FILTERING	OVIDES TREATED OUTSIDE AIR FILTERING
ARTICULATE FROM THE SUPPLY AIR STREAM. THIS EXCEPTION	TION ALLOWS THE REDUCTION OF OUTSIDE AIR

IONIZA I IO	N AIR TO	こういん 女 こうりょう かった こうしょう いっぱん いっぱん しょうしょ	EDULE	
MARK	CFM	NO. TUBES	MANUFACTURER (PLASMA AIR)	REMARKS
P- THRU P-7	900-2000	_	1000	2را
1P-8, 1P-9	5000	2	200E	1,2
NOTES: I. INSTALL IN SUPPLY AIR DUCTMORK.	PLY AIR DUCTMO	ORK.		
- /				
	# ≥ <u>0</u> ₹	MOUNT FAN FROM STRUCTURE ABOVE MITH METAL STRAPS \$ VIBRATION ISOLATION	REMOTE DISCONNECT SWITCH. INSTALL DISCONNECT SWITCH (SUPPLIED BY ELECTRICAL TRADES) ON TWO 24" LONG UNISTRUTS DRILLED AND BOLTED TO UNIT FRAME ANGLE WHERE POSSIBLE. SILICONE SEAL ALL HOLES IN UNIT. COORDINATE MOUNTING LOCATION WITH AC UNIT MANUFACTURER TO AVOID WARRANTY INFRACTIONS. MIRE HOOK-UP BY ELECTRICAL TRADES	NITCH. INSTALL PPLIED BY N TWO 24" N AND BOLTED WERE POSSIBLE. ES IN UNIT. LOCATION WITH TO AVOID 5. MIRE L TRADES
			<u>NOTES:</u> I. THIS DETAIL IS DIAGRAMATIC ONLY. EXACT UNIT CONFIGURATION(S) MAY	MATIC ONLY. MAY

6" THICK CONC. PAD - EXTEND 6" BEYOND UNIT ALL AROUND

SIGHT GLASS WITH MOISTURE INDICATOR

FILTER-DRYER

AIR-COOLED CONDENSING UNIT OR HEAT PUMP UNIT

#7 REBAR 6" O.C.

PAD DETAIL

> SUPPLY

EXHAUST FAN DETAIL

CEILING EXHAUST

CONTRACTOR TO NOTIFY CONTRACTOR OF AC UNIT

ROOF TOP UNIT ELEVATION

SCALE: NONE

FLEXIBLE

TYPICAL CEILING DIFFUSER

UNIT LENGTH & MIDTH +6"

SLAB MOUNTED AT GRADE

NOTE: CONTRACTOR SHALL LEVEL ROOF CURB AS SLOPE OF ROOF DICTATES

NAILER

CANT STRIP

ROOF FELT OR EQUAL

COUNTER FLASHING

ROOF MOUNTED I

INSULATION

	L 0	LOUVER SCHEDULE	Ш							
	EQUIPMENT NO.	SERVICE	HTQIM	MIDTH HEIGHT	THICKNESS MATERIAL		SCREEN	MANUFACTURER & MODEL	OPTIONS-ACCESSORIES	NOTES
FUSED DISCONNECT SMITCH	<u>-</u>	OUTSIDE AIR	4	<u>ה</u>	Ō	ALUMINUM	YES	RUSKIN LM375D	MOTOR OPERATED DAMPER	-
	LY-2	OUTSIDE AIR	<u>o</u> _	<u>ה</u>	Ō	ALUMINUM	YES	RUSKIN LM375D	MOTOR OPERATED DAMPER	_
10 ROOF OAT	e->⊐	OUTSIDE AIR	<u>@</u>	<u>ה</u>	Ō	ALUMINUM	YES	RUSKIN LM375D	MOTOR OPERATED DAMPER	_

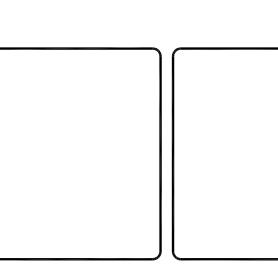
ROOF CURB DETAIL
SCALE: NONE

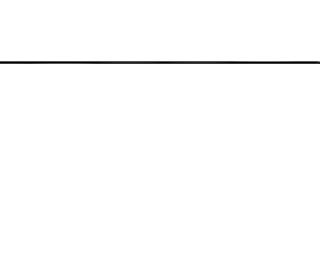
CONNECTION

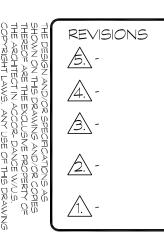
UPPLOM FAN COIL UNIT DETAIL













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