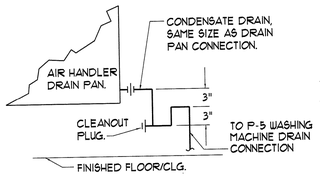
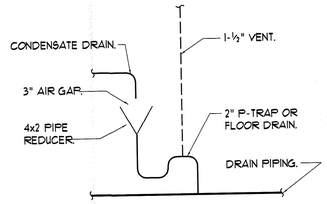


CONDENSATE TRAP DETAIL

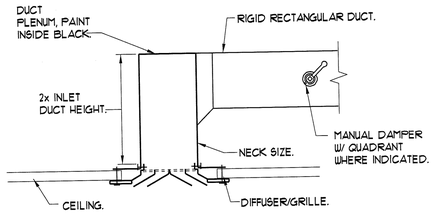
NTS

NOTE - CAP UNUSED DRAIN PAN CONNECTIONS.



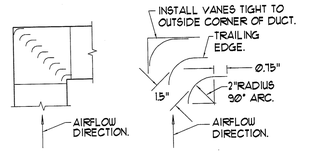
INDIRECT WASTE DETAIL

NTS



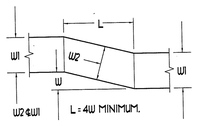
DIFFUSER CONNECTION DETAIL

NTS



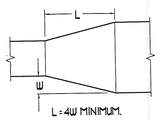
RECT. ELBOW W/TURNING VANES

NTS NOTE INSTALL VANE EDGES TO PROJECT TANGENTS PARALLEL TO DUCT SIDES.



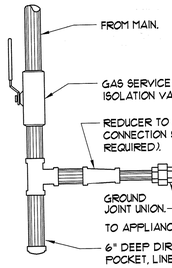
OFFSET TYPE 1 (ANGLED)

NTS



CONCENTRIC TRANSITION

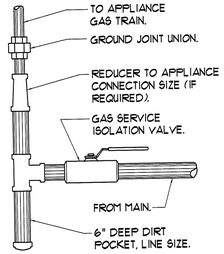
NTS



DOWNFEED GAS PIPING CONNECTION DETAIL

NTS

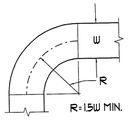
NOTE APPLIANCES WITH REGULATORS LOCATE PIPING SHOWN HEREIN UPSTREAM OF THE APPLIANCE REGULATOR. PROVIDE A TEST PLUG DOWNSTREAM OF THE APPLIANCE REGULATOR.



UPFEED GAS PIPING CONNECTION DETAIL

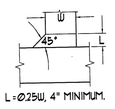
NTS

NOTE APPLIANCES WITH REGULATORS LOCATE PIPING SHOWN HEREIN UPSTREAM OF THE APPLIANCE REGULATOR. PROVIDE A TEST PLUG DOWNSTREAM OF THE APPLIANCE REGULATOR.



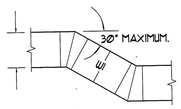
RADIUS ELBOW

NTS



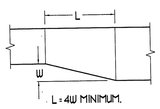
RECTANGULAR TAP 45 DEGREE ENTRY

NTS



OFFSET TYPE 2 (MITERED)

NTS

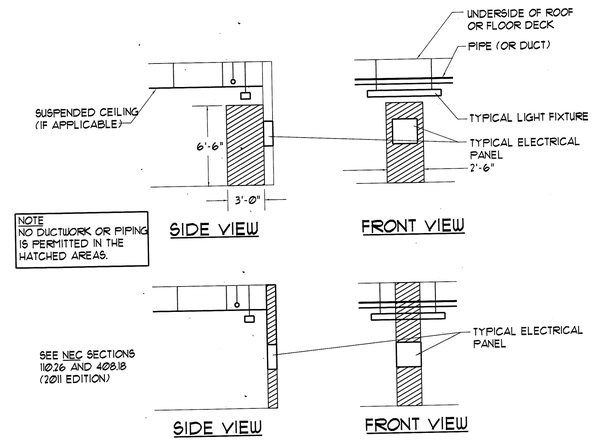


ECCENTRIC TRANSITION

NTS

LOW PRESSURE DUCT CONSTRUCTION DETAILS - TYPICAL

NTS



CLEARANCES AT ELECTRICAL PANELS

NTS

HEAT PUMP CONDENSING UNIT PERFORMANCE SCHEDULE

* AT 95°F AMBIENT, 80°F DB, 67°F WB
** AT 5°F AMBIENT (90% OF THIS CAPACITY SHALL BE AVAILABLE AT -4°F)

TAG	TOTAL COOLING (MBH)*	TOTAL HEATING (MBH)**	REFRIGERANT	APPROX. REFRIG. CHARGE	MINIMUM AMBIENT TEMP(°F)	FOOTPRINT DIMENSION (INCHES)	OPERATING WEIGHT (LBS)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN = MITSUBISHI			
								MCA	MAX FUSE	V/PH/HZ	COMP. STAGING	SOUND (BEL)	SERVICE	MODEL
SCU-1, SCU-2, SCU-3	36.0	45.0	R-410A	-	-13°F	42x14x53	280	42	50	230/1/60	16%-100%	-	HEAT/COOL	MXZ-4C36NAHZ
SCU-4	48.0	54.0	R-410A	-	-13°F	42x14x53	280	42	50	230/1/60	13%-100%	-	HEAT/COOL	MXZ-8C48NAHZ
SCU-5	22.0	25.0	R-410A	-	-13°F	30x14x42	190	30	40	230/1/60	25%-100%	-	HEAT/COOL	MXZ-3C24NAHZ

HEAT PUMP AIR HANDLER PERFORMANCE SCHEDULE

* AT 95°F AMBIENT, 80°F DB, 67°F WB
** AT 5°F AMBIENT

TAG	TOTAL COOLING (MBH)*	SENS. COOLING (MBH)*	TOTAL HEATING (MBH)**	AIRFLOW (CFM)	COND. DRAIN (IN)	SOUND RATING (DB)	WEIGHT (LBS)	REFRIGERANT PIPE SIZE (IN)		ELECTRICAL REQUIREMENTS			CU SYSTEM TAG	BASIS OF DESIGN = MITSUBISHI		
								LIQUID	GAS	MCA	MAX FUSE	V/PH/HZ		SERVICE	ARRANGEMENT	MODEL
SAC-1-1, SAC-2-1, SAC-2-2 SAC-3-1, SAC-3-2	6.0	-	7.2	233	5/8"	30	22	1/4"	3/8"	1.0	-	230/1/60	***	HEAT/COOL	WALL MTD	MSZ-GE06NA
SAC-1-2	9.0	-	10.9	237	5/8"	30	22	1/4"	3/8"	1.0	-	230/1/60	***	HEAT/COOL	WALL MTD	MSZ-GE09NA
SAC-2-3	14.0	-	18.0	304	5/8"	35	22	1/4"	1/2"	1.0	-	230/1/60	***	HEAT/COOL	WALL MTD	MSZ-GE15NA
SAC-1-3, SAC-3-3, SAC-5	17.2	-	21.6	339	5/8"	38	22	1/4"	1/2"	1.0	-	230/1/60	***	HEAT/COOL	WALL MTD	MSZ-GE18NA
SAC-4-1, SAC-4-2	30.0	-	32.0	880	1-1/4"	39	73	3/8"	5/8"	-	30.0	230/1/60	***	HEAT/COOL	SLIM-DUCTED	PEAD-A30AA4

ENERGY RECOVERY VENTILATOR PERFORMANCE SCHEDULE

TAG	AIR STREAM	DUCT CONNECTIONS		UNIT AIRFLOW					WINTER RECOVERY	SUMMER RECOVERY	ELECTRICAL DATA				BASIS OF DESIGN = FANTECH		
		ENTERING	LEAVING	CFM	E.S.P. (IN.W.C)	T.S.P. (IN.W.C)	H.P.	B.H.P.			PREHEAT KW	M.C.A.	BREAKER	VOLTAGE	WEIGHT (LBS)	ECM	MODEL
ERV-1 ERV-2 ERV-3	SUPPLY	END	END	100	Ø.4	-	-	-	61%	50%	N/A	1.5	15	120/1/60	50	N	SER-150A
	EXHAUST	END	END	100	Ø.4	-	-	-									
ERV-4	SUPPLY	END	END	125	Ø.4	-	-	-	61%	50%	N/A	1.5	15	120/1/60	50	N	SER-150A
	EXHAUST	END	END	125	Ø.4	-	-	-									

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Structural Integrity
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Architect:
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ISSUED FOR CONSTRUCTION

Project:
4 Unit Apartment Building
93 St. Lawrence Street
Portland Maine, 04101

CBL: 016 D010001 B&P 17303/310

Scale: As Noted

Date: 4 March 2016

MECHANICAL DETAILS

M3.02