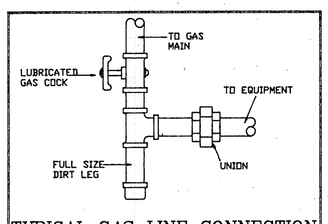
MISC. EQUIPMENT SCHEDULE

TAG	MNFG	MODEL	DESCRIPTION	REMARKS
ECH-1	Q-MARK	CUC-SFF-1425	ELECTRIC CABINET HEATER - SURFACE MOUNT AT CEILING. 4 HEATING ELEMENTS) 4 KW) 14 AMPS) 208V./3 ø) 13,700 BTUH' 250 CFM	PROVIDE WITH LINE VOLTAGE THERMOSTAT.
DU-1	DESERT-AIRE	IH-750	DEHUMIDIFICATION UNIT 3500 CFM AT .5" E.S.P.) 46 LBS./HR. CAP. AT 60 % R.H. & 80° E.A.T. HEATING CAPACITY - 67,130 BTUH L.A.T. 118° F.) 208V./3 ø) UNIT FLA - 36.1) MAX. FUSE -60 UNIT OPERATING KW-9.7 BLOWER 1.5 HP) COMPRESSOR - 7.5 HP) FLA-30.1) LRA - 183) UNIT WT. - 700 LBS.	SUSPEND UNIT WHERE SHOWN. AS HIGH AS POSSIBLE PROVIDE SPRING VIBRATION ISOLATORS IN HANGER RODS. PIPE COND. DRAIN AS SHOWN ON DRWGS.
DU-2	DESERT-AIRE	IH-1200	DEHUMIDIFICATION UNIT 5500 CFM AT .5" E.S.P.) 70 LBS/HR CAP. AT 60 % R.A. & 82° E.A.T.) HEATING CAP. 118,900 BTUH L.A.T. - 104 F.) 208V./3 ø) UNIT FLA - 59) MAX. FUSE - 90) MCA-69.1) UNIT LOAD KW - 18.56) UNIT OPERATILNG KW - 16.84) BLOWER - 3 HP) COMPRESSOR - 12 HP) FLA-48.4) LRA-267 UNIT WEIGHT - 1250 LBS.	SUSPEND UNIT WHERE SHOWN. AS HIGH AS POSSIBLE PROVIDE SPRING VIBRATION ISOLATORS IN HANGER RODS PIPE COND. DRAIN AS SHOWN ON DRWGS.
DU-3	DESERT-AIRE	IH-750	DEHUMIDIFICATION UNIT 3500 CFM AT .5" E.S.P.) 46 LBS./HR. CAP. AT 60 % R.H. & 80° E.A.T. HEATING CAPACITY - 67,130 BTUH L.A.T. 118° F.) 208V./3 ø) UNIT FLA - 36.1) MAX. FUSE -60 UNIT OPERATING KW-9.7 BLOWER - 1.5 HP) COMPRESSOR - 7.5 HP) FLA-30.1) LRA - 183) UNIT WT. - 700 LBS.	SUSPEND UNIT WHERE SHOWN. AS HIGH AS POSSIBLE PROVIDE SPRING VIBRATION ISOLATORS IN HANGER RODS PIPE COND. DRAIN AS SHOWN ON DRWGS.
MAU-1	REZNOR	CRGBL 800	INDIRECT-FIRED ROOFTOP MAKE-UP AIR UNIT (GRAVITY VENTED) 720 MBH INPUT) 576 MBH OUTPUT (NAT. GAS) BLOWER - 2 HP) 208V./3 ø) FLA-7.5 UNIT AMPS LESS BLOWER- 1.67(120V./1ø) STAINLESS STEEL HEAT EXCHANGER AND BURNERS, ELECTRONIC BURNER MODULATION WITH REMOTE STATION. GAS PRESSURE SAFETY AND AIR FLOW SWITCHES. INTERMITTENT SPARK PILOT. 100% O.A. HOOD. FULL INSULATED ROOF CURBS.	MOUNT UNIT ON ROOF ON AN INSULATED ROOF CURB. UNIT WT. - 1520 LBS. PROVIDE WITH FM APPROVED GAS TRAIN.



TYPICAL GAS LINE CONNECTION

NO SCALE

BOILERS

BASED ON LOCHINVAR OR EQUAL BY P-K THERMIFIC

TAG	TYPE	MNFG.	MODEL	MBH IN	MBH OUT	HOT H2O	STEAM	MAT'L	EFF.	FUEL	CCF	GPH	OPER. PRESS.	SQ. FT. HTG. SURF.	MOTOR HP	MOTOR VOLT	MOTOR PH	OPTIONS
B-1	NON-CONDENSING	LOCHINVAR	PBND500	500	440	X		COPPER	88	NAT. GAS	500	-	30	-	-	120	1	ALL

OPTIONS:

1. McM # 64 LWCO
2. ASME RELIEF VALVE
3. UL APPROVED GAS TRAIN
4. TEMPERATURE AND ALTIMETER GAGES
5. FACTORY START-UP SERVICE
6. OPERATING, HI-LIMIT 7 LO-LIMIT AQUASTATS
7. 4-1/2" PRESS. GAGE, 0-100 PSI
8. 4-1/2"DIA. DIAL THERMOMETER 100-300 DEG.
9. ALARM BELL WITH CANCEL SWITCH
10. BURNER INDICATING LIGHTS
    POWER ON — LOW WATER — MAIN FUEL
    IGNITION — FLAME FAILURE

HOT WATER COIL

TAG	SCFM	EAT	EWT	V& L	FA FT²	FV FPM	LAT °F	MBH	GPM	WTR DF	COIL TYPE	ROWS	WPD FT	APD IN H20	FINS/ FT	TURBS
BC-1	5500	60°	190°	30 X 44	9.17	600	99°	227	18	26	W	2	.2	.16	80	NO

PUMPS

TAG	SERVICE	GPM	TOTAL HD. FT. WATER	TYPE PUMP	MIN. EFF.	PIPE CONN.	MOTOR DATA HP	VOLT	PH	RPM	REMARKS
P-1	HOT WATER	44	25	IN-LINE	40 %	1 1/2"	3/4	208	3	1770	B & G SERIES 60, 1 1/2" A
P-2	HOT WATER	26	17	IN-LINE	48 %	1 1/4"	1/3	208	3	1750	B & G SERIES 60, 1 1/4" A

FANS

TAG	SERVES ROOM	LOCATION	MODEL NO.	DISCH. ARRGM'T	CFM	S. P.	HP.	VOLT ø	CONTROL
PRV-1	SHOWERS (SEE PLAN)	ROOF	PENN A820	DIRECT 360°	1350	1/8"	1/4	120V./1	INTERLOCK WITH TIME CLOCK
PRV-2	POOL ROOM	ROOF	PENN L824	DIRECT 360°	3400	1/8"	1/4	120V./1	INTERLOCK WITH TIME CLOCK

DIFFUSERS, GRILLES, AND REGISTERS

(TAG) SIZE CFM — INSPECT ALL EXISTING CONDITIONS.

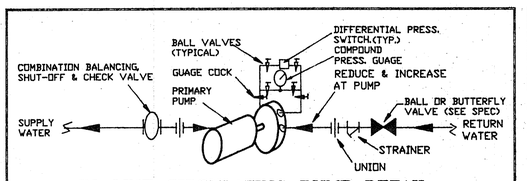
ROOM NO.	QTY.	TAG	MNFG	SUP	RET	EXH	RELIEF	MODEL	REG.	GRILLE	DIFF.	AIR PAT.	SIZE	LOCATION	HGT AFF	FINISH	TYPE CEIL.
SEE PLANS	SEE PLANS	(A)	TITUS	X				TDC			X	4 WAY (VALVE NOTED)	SEE PLANS	CLG.	VERIFY	OFF WHITE	VERIFY
		(B)	TITUS	X				272RL	X			—		IN WALL	VERIFY	CLEAR ANODIZE	-
		(C)	TITUS		X	X	X	50F		X		—		CLG.	VERIFY	OFF WHITE	VERIFY
		(D)	TITUS		X			33RL (HVY. DUTY)	X			—		IN WALL	-	CLEAR ANODIZE	-
		(E)	TITUS		X			CT-700		X		—		IN DOOR	-	OFF WHITE	-
		(F)	TITUS			X		350FL	X			—		IN SOFFIT	-	CLEAR ANODIZE	-
		(G)	TITUS	X				TMR			X	360°		CLG.	VERIFY	OFF WHITE	VERIFY

NOTE: INSTALL STEEL OPPOSED BLADE DAMPER FOR EACH SIDEWALL DIFFUSER.

HVAC SYMBOLS

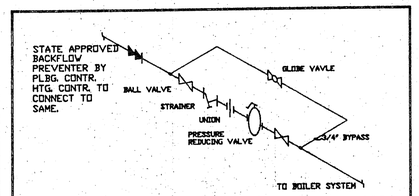
(NOT ALL APPLY)

SYMBOL	ABBR.	DESCRIPTION	REMARKS
		SUPPLY DUCT UP	
		SUPPLY DUCT DOWN	
		SUPPLY DUCT UP THRU FLOOR	
		ABOVE , OR ROOF	
		RETURN, EXHUAST, OR FRESH AIR DUCT UP	
	C.C.	CANVAS CONNECTION	ISOLATE ALL EQUIP. WITH ACC
		INCLINED DROP	
		INCLINED RISER	
	T.V.	TURNING VANES	AIRFOIL TYPE
		LOW PRESS. INSULATED FLEXIBLE DUCT	
		EXT. INSUL. DUCT WITH RIGID FOIL-FACED BOARD	1 1/2", 3# DENSITY
		ACOUSTICALLY LINED DUCT	1",1 1/2# DENSITY
	BD	BALANCING DAMPER	
	FD	FIRE DAMPER W ACCESS DOOR	
	MVD	MANUAL VOL. DAMPER	
	AMD	AUTOMATIC MOTORIZED DAMPER	
		CIRCUIT SETTER	
T		T'STAT, SINGLE TEMP.	56" MNTG. HT.
T 120 V		T'STAT LINE VOLTAGE TYPE	56" MNTG. HT.
H		HUMIDISTAT	56" MNTG. HT.
S		SCR SPEED CONTROL	56" MNTG. HT.
		TRIPLE DUTY VALVE	
— G —		NATURAL GAS	
— CW —		COLD WATER LINE	
		FOR HUMIDIFIERS, ETC.	
— D —		HUMIDIFIER & COOLING CONDENSATE DRAIN LINE	
	AFF	ABOVE FINISHED FLOOR	
	AD	ACCESS DOOR	
	DIFF.	DIFFUSER	
	GR	DOOR GRILLE	
	CLG	CEILING	
	TR	TRANSFER	
	UC	UNDERCUT DOOR	
	ETBR	EXISTING TO BE REMOVED	
	ETR	EXISTING TO REMAIN	
	UTR	UP THRU ROOF	



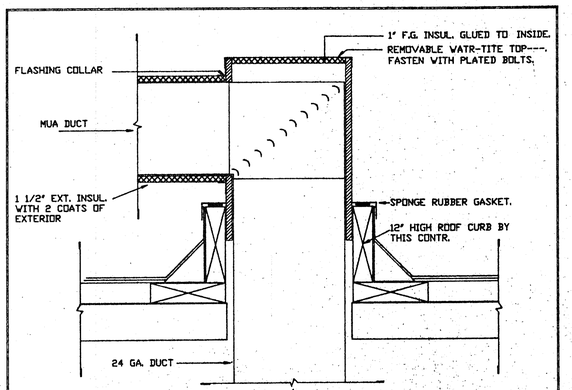
IN-LINE CIRCULATING PUMP DETAIL

NO SCALE



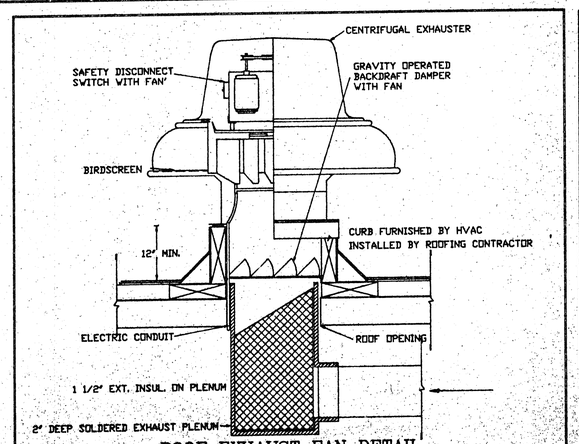
AUTO WATER FILLING ASSEMBLY

NO SCALE



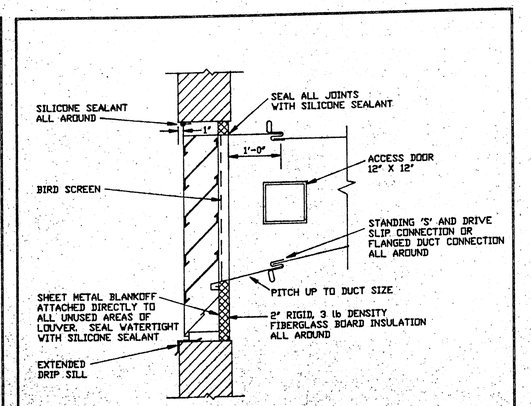
ROOF PENETRATION DETAIL

NO SCALE



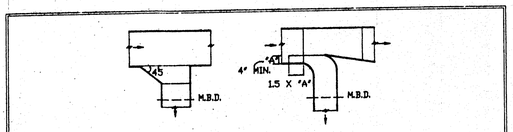
ROOF EXHAUST FAN DETAIL

NO SCALE



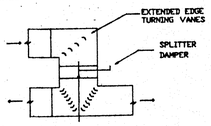
LOUVER INSTALLATION DETAIL

NO SCALE



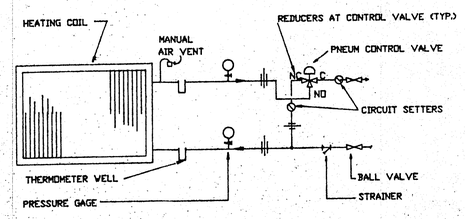
ACCEPTABLE BRANCH TAKEOFFS

NO SCALE



ACCEPTABLE ELBOW AND SPLIT DESIGN

NO SCALE



HW COIL PIPING 3-WAY CONTROL

NO SCALE

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SWIMMING POOL ADDITION
UNIVERSITY / YMCA CENTER
UW - MARINETTE COUNTY
MARINETTE, WISCONSIN

DR.	CK.
BPB	KFS

DATE

JOB NO.

SHEETS

SHEET NO. H-2

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