

CIRCULATION PUMP SCHEDULE (ALTERNATE 1)									
MARK NO.	DESCRIPTION	TYPE	GPM	DISCH. HEAD FT/H ₂ O	MOTOR			REMARKS	
					HP	V	P	HZ	
1	AREA 7-A	BASE MID	57.6	28	1	208	3	60	BELL & GOSSETT MODEL 1510 6 BC 1-1/4 AC

EQUIPMENT SCHEDULE									
MARK NO.	DESCRIPTION								
1	CHILLER - ONE (1) REQUIRED NOMINAL 500 TON CHILLER, 87.6 KW/TON 3 PASS EVAPORATOR, 735 GPM EVAP FLOW RATE AT 49.2°F EVAP AND 94°F LMT. PRESSURE DROP 13.71 FT - 2 PASS CONDENSER 900 GPM FLOW RATE AT 85°F EVAP AND 94°F LMT. PRESSURE DROP 14.47 FT. DESIGN KW 191.44 AT 208V 3PH, 60 HZ (NDA 636-47 - EN 35440 MOD 730533)								

UV AND FAN COIL UNIT SCHEDULE (ALTERNATE 1)																					
MARK	SPACE	MIN. % OA	CFM	FAN MOTOR				COIL													REMARKS
				HP	VOLTS	PH	HZ	TOTAL SENS. COOLING	DBP COOLING	EWB COOLING	LWB COOLING	LOB COOLING	GPM	WTR (F)	ENT (F)	MBH HEATING	TYPE A				
UV 1	RM 11 AREA A	20%	1250	.5	115	1	60	48.2	32.2	79	66.4	55	55.5	45	9.6	55	6.4	57	45	180	TYPE A
UV 2	RM 10 AREA A	20%	1250	.5	115	1	60	48.2	32.2	79	66.4	55	55.5	45	9.6	55	6.4	57	45	180	TYPE A
UV 3	RM 9 AREA A	20%	1250	.5	115	1	60	48.2	32.2	79	66.4	55	55.5	45	9.6	55	6.4	57	45	180	TYPE A
UV 4	RM 8 AREA A	20%	1250	.5	115	1	60	48.2	32.2	79	66.4	55	55.5	45	9.6	55	6.4	57	45	180	TYPE A
UV 5	RM 7 AREA A	20%	1250	.5	115	1	60	48.2	32.2	79	66.4	55	55.5	45	9.6	55	6.4	57	45	180	TYPE A
EXISTING UV 6	RM 6 AREA B	20%	750	EXISTING				48.2	19.1	79	66.4	55.2	55.7	45	4.8	55	5	57	25	180	TYPE B
EXISTING UV 7	RM 3 AREA B	20%	750	EXISTING				48.2	19.1	79	66.4	55.2	55.7	45	4.8	55	5	57	25	180	TYPE B

NOTES:

- ALL FLOOR MOUNTED UNITS COMPLETE WITH ADAPTER BACK AND FACE AND BYPASS SECTION.
- ALL FLOOR MOUNTED UNITS ARE COMPLETE WITH 4 ROW COOLING COIL.
- ALL CEILING MOUNTED UNITS ARE COMPLETE WITH 4 ROW COOLING COIL.
- COORDINATE FINS PER INCH WITH ENGINEER.

WALL

NEW UV UNIT

TYPE A

EXISTING UV UNIT

NEW COIL

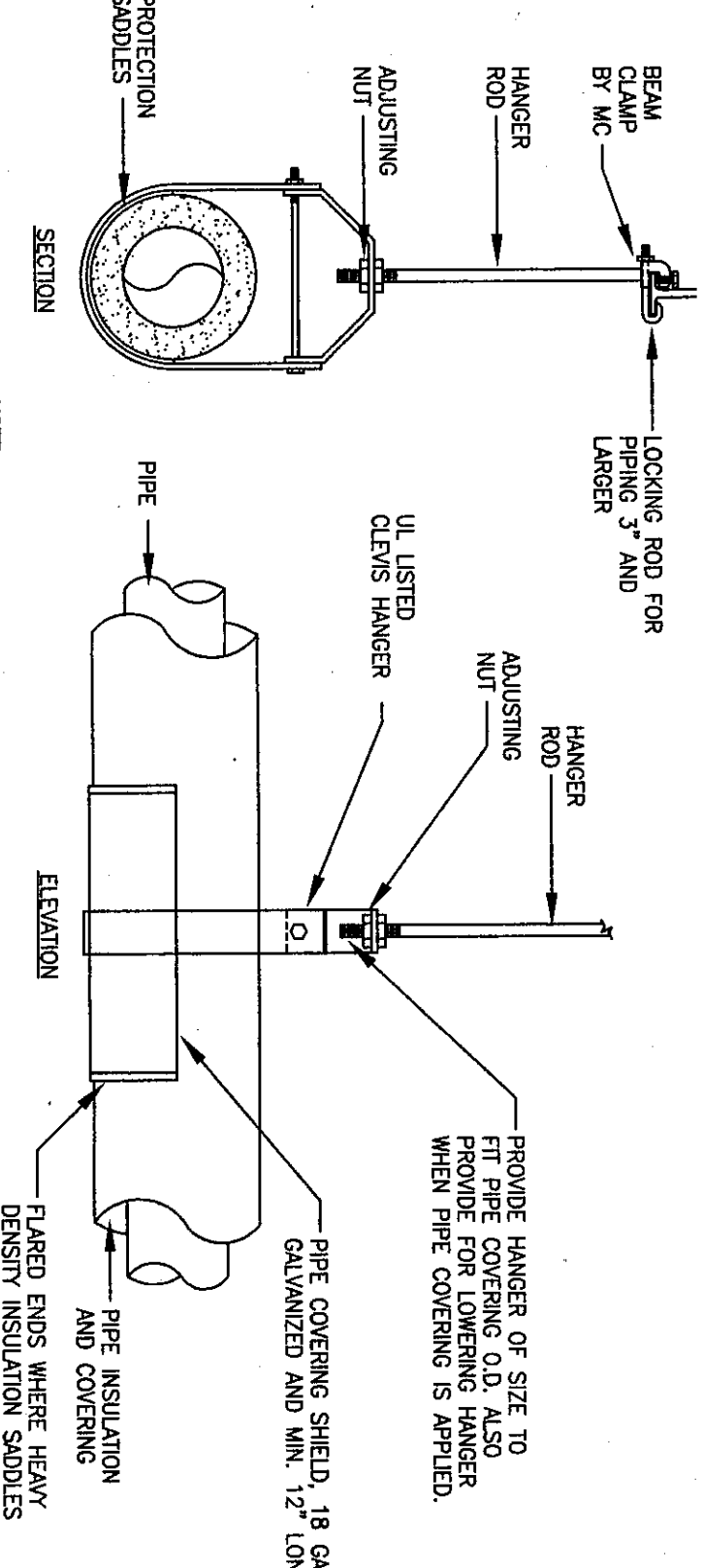
TYPE B

MECHANICAL LEGEND

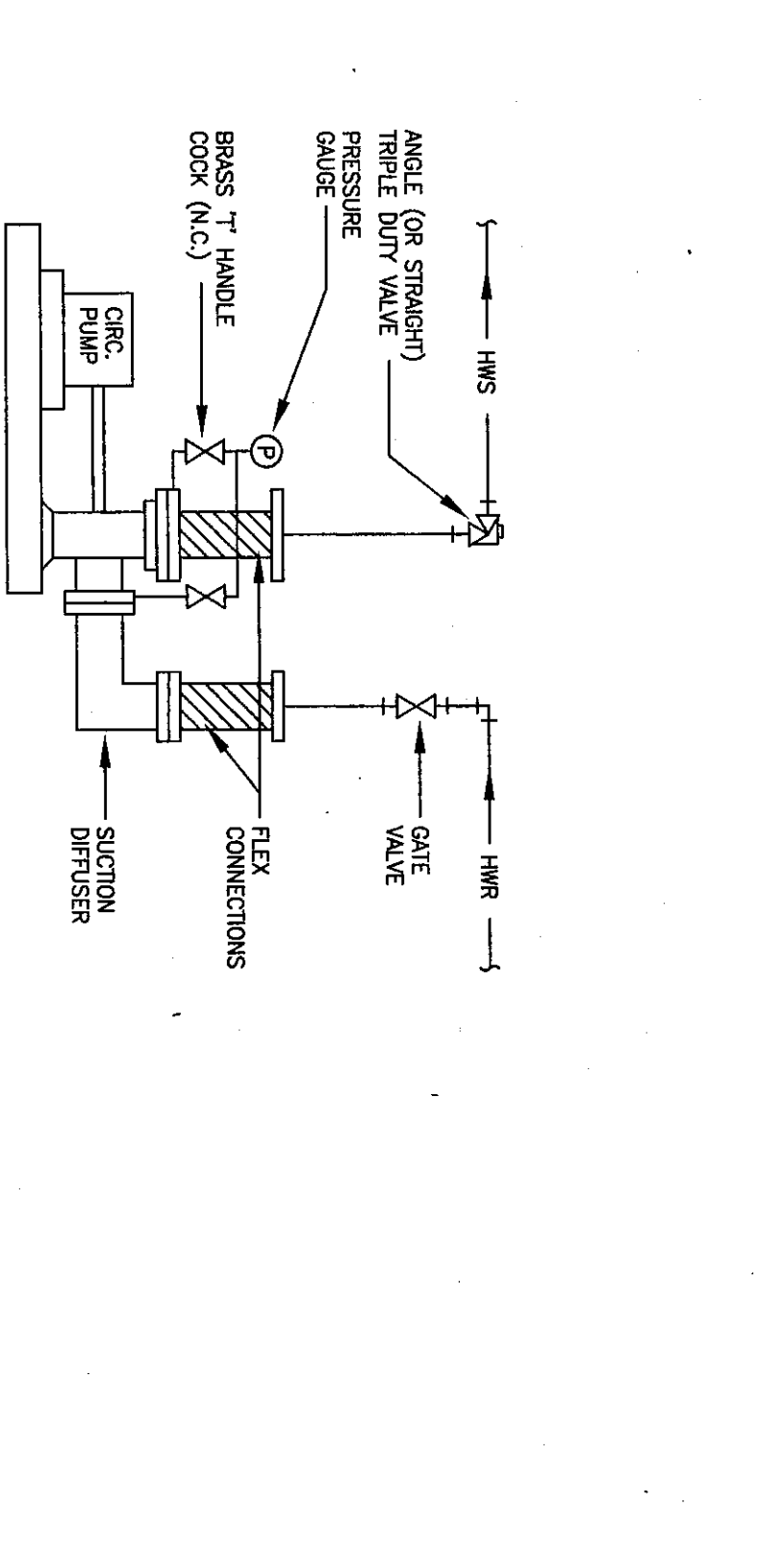
A.F.F.	ABOVE FINISH FLOOR
A.M.U.	ACQUISITION UNIT
A.S.	ACQUISITION SCHEDULE
CONC.	CONCRETE MASONRY UNIT
EXIST.	EXISTING
H.M.S.	HOT WATER SUPPLY
H.M.R.	HOT WATER RETURN
M.C.	MECHANICAL CONTRACTOR/TRADE
R.A.	RETURN AIR
S.A.	SUPPLY AIR
U.I.	UNIT INSULATOR
CH-R	CHILLED HOT WATER RETURN
CH-S	CHILLED HOT WATER SUPPLY
CR	COOLING TOWER RETURN
CR-S	COOLING TOWER SUPPLY
H.M.S.	HOT WATER SUPPLY
H.M.R.	HOT WATER RETURN
D	DOMESTIC COLD WATER
D	EQUIPMENT DRAIN LINES
GATE VALVE	GATE VALVE
THERMOMETER	THERMOMETER
PRESSURE GAUGE	PRESSURE GAUGE
UNION	UNION
REDUCER	REDUCER
THERMOSTAT	THERMOSTAT
CONNECTION POINT OF NEW TO EXISTING	CONNECTION POINT OF NEW TO EXISTING
POINT OF EXISTING PIPING OR VENT DEMOLITION	POINT OF EXISTING PIPING OR VENT DEMOLITION
AND EXISTING PIPING TO REMAIN	AND EXISTING PIPING TO REMAIN
PIPING UP	PIPING UP
PIPING DOWN	PIPING DOWN
LEGEND	LEGEND
A - REGISTER OR	A - REGISTER OR
B - REGISTER OR	B - REGISTER OR
D - C/M	D - C/M
E - TYPE (SEE CHILLER & DIFFUSER SCHEDULE)	E - TYPE (SEE CHILLER & DIFFUSER SCHEDULE)
SUPPLY AIR DIFFUSER	SUPPLY AIR DIFFUSER
RETURN AIR DIFFUSER	RETURN AIR DIFFUSER
CIRCUIT SETTER	CIRCUIT SETTER
FIRE DAMPER	FIRE DAMPER
EXISTING WORK	EXISTING WORK
NEW WORK	NEW WORK

TYPICAL DUAL TEMP. WATER COIL PIPING DETAIL
(ALTERNATE 1)

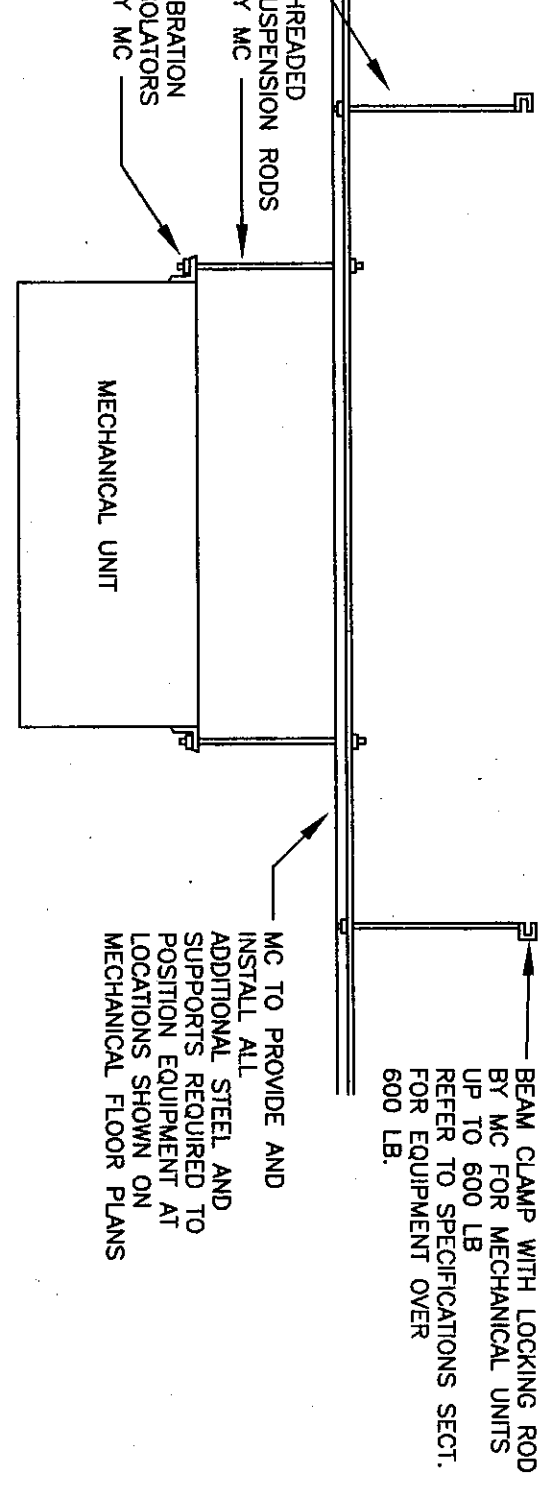
NOTES:
1. PROVIDE THERMOMETER AT SUPPLY AND RETURN COIL CONNECTIONS.
2. PROVIDE DRAIN VALVES AT ALL COILS.
3. PROVIDE MANUAL AIR VENTS AT ALL COILS.



STANDARD PIPE HANGER DETAIL
NOT TO SCALE

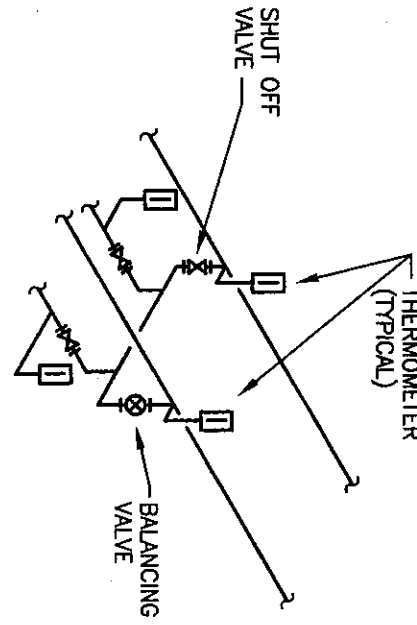


TYPICAL BASE MOUNTED CIRC. PUMP DETAIL
NOT TO SCALE
(ALTERNATE 1)



TYPICAL SUSPENDED MECHANICAL EQUIPMENT SUPPORT DETAIL
NOT TO SCALE
(ALTERNATE 1)

NEW HOT WATER CROSSOVER PIPING SCHEMATIC
NOT TO SCALE



THROUGH THE WALL CONDENSATE DRAIN DETAIL
NOT TO SCALE
(ALTERNATE 1)

