

HEATING & VENTILATING

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SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	AIR FLOW (DUCTED)		DAMPERS SEE M-00-0 SHT. I FOR ACTUATORS
	AIR FLOW (HOT DUCTED)		OPPOSEE BLADE
	RETURN OR EXHAUST AIR GRILL Q'Z REGISTER		PARALLEL BLADE
	SUPPLY AIR WITH REGISTER OR GRILL		BACKDRAFT OR GRAVITY RELIEF
	SUPPLY AIR WITHOUT REGISTER		SINGLE BLADE OR BUTTERFLY
	SLIDE GATE DAMPER		MANUAL BALANCING DAMPERS
	TURNING VANES		FIRE DAMPER
	SUPPLY AIR DUCT (CROSS SECTION)		SUBBLE TIGHT
	RETURN OR EXHAUST AIR DUCT (CROSS SECTION)		CHECK DAMPER TORNADO PROTECTION
	EXHAUST AND RETURN AIR DUCT (CROSS SECTION)		
	FLEXIBLE CONNECTION		
	AVERAGING P-TOT TUBES & STRAIGHTENING GRID.		
	UNIT HEATER OR UNIT COOLER (SEE UNDER COILS, FOR COIL TYPE)		
		FANS	
COILS			CENTRIFUGAL FAN
	(H) HEATING COIL (HW) HOT WATER (SHOWN)		CENTRIFUGAL FAN WITH INLET VANES
	(S) STEAM (E) ELECTRIC		
	(C) COOLING COIL (CH) REFRIGERANT (SHOWN)		VANE AXIAL FAN
	(CH) CONTROL AREA CHILLED WATER		VANE AXIAL FAN WITH VARIABLE PITCH BLADES
	(SAW) SAFETY AUX. COOLING SYSTEM WATER (SACS)		WALL MOUNTED OR ROOF MOUNTED EXHAUST FAN
	(TAW) TURBINE AUX. COOLING SYSTEM WATER (TACS)		

MECHANICAL ABBREVIATIONS	
ABBR.	DESCRIPTION
NO	NORMALLY - OPEN
NC	NORMALLY CLOSED
NE	NORMALLY ENERGIZED
ND	NORMALLY DE-ENERGIZED
LO	LOCKED OPEN
LC	LOCKED CLOSED
DRW	CLEAN RADWASTE (TO EQUIPMENT DRAIN PUMPS)
OWW	CIRCULATING WATER WASTE (LIKE WATER SUMP)
DRW	DIRTY RADWASTE (TO FLOOR DRAIN SUMP)
DRW	LIQUID RADWASTE
ARW	HIGH CONDUCTIVITY (CHEMICAL) RADWASTE
AW	ACID WASTES (CORROSIVE RADWASTE)
HW	NORMAL WASTE (CONVENTIONAL)
OW	OILY WATER, WASTE
FO	FAIL OPEN
FC	FAIL CLOSED
PSC	PRESTRESSED CONCRETE PIPE
CLCS	CEMENT LINED CARBON STEEL PIPE
E/S	ELECTRICAL POWER SUPPLY
DCRW	DECONTAMINATION RADWASTE
DE RW	DETERGENT RADWASTE
LW	LAUNDRY WASTE

AIR CLEANING DEVICES		ABBREVIATIONS	
	LOW EFFICIENCY FILTER 55% EFFICIENCY BY ASHRAE ATMOSPHERIC DUST SPOT TEST	CFM GPM EXHA OA RA SA	CUBIC FEET PER MINUTE GALLONS PER MINUTE EXHAUST AIR OUTSIDE AIR RETURN AIR SUPPLY AIR
	HIGH EFFICIENCY FILTER 85% EFFICIENCY BY ASHRAE ATMOSPHERIC DUST SPOT TEST	BD FPD SD BDD	BALANCE DAMPER FIRE PROTECTION DAMPER SPILLER DAMPER BACKDRAFT DAMPER
	HIGH EFFICIENCY PARTICULATE AIR FILTER 99.97% EFFICIENCY FOR 0.30 MICROMETER DOP	AD AV DL	ACCESS DOOR AIR VENT DOOR LOUVER
	ACTIVATED CHARCOAL ADSORBER, TRAY OR DEEP BED TYPE MOISTURE SEPARATOR	DIFF GR REG UC UH ETL	DIFFUSER GRILLE REGISTER UNIT COOLER UNIT HEATER ELECTRO-THERMAL LINK
	LOW EFFICIENCY ROLL TYPE FILTER	FI NM FLFD DOP PRD VP NI	PAUL MULTITERMATE (ASIS) NORMALLY MODULATING FUSIBLE LINK FIRE DAMPER DIOCTYLPHTHALATE PRESSURE RELIEF DAMPER VELLUMETER POXI NORMALLY INDETERMATE
LOUVERS			
	FIXED		
	ADJUSTABLE		
HUMIDIFIERS			
	(SC) LOW PRESSURE STEAM GRID (SHOWN) (3) STEAM PAN (4) HOT WATER PAN (E) ELECTRIC PAN		

[illegible]

APPROVED FOR REVISION LIST		DATE		BY	
524	REVISED PER LIST OF REVISIONS	6/10	7/1	NA	3
REVISED PER LIST OF REVISIONS		6/1	7/1	NA	3
REVISED PER LIST OF REVISIONS		6/1	7/1	NA	3
ISSUED FOR CONSTRUCTION		6/1	7/1	NA	3
DATE	DESCRIPTION	DATE	BY	DATE	BY
MADE HOME	ISSUED BY J. MURPHY	DATE	7/1	DATE	7/1

BECHTEL
SAN FRANCISCO

**PUBLIC SERVICE ELECTRIC AND GAS COMPANY
HOPE CREEK GENERATING STATION**

PILING AND INSTRUMENT DIAGRAM
LEGEND

	DATE	DESCRIPTION	BY
	10/85	M-20-0 SPT. 2	4

RIDS

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