

MECHANICAL SYMBOLS

APPENDIX E-3

<u>GENERAL</u> POC POR	POINT OF CONNECTION TO EXISTING POINT OF REMOVAL FROM EXISTING	<u>PLUMBING PIPING</u>	
<u>HVAC PIPING</u> <u>REFRIGERANT PIPING</u> _____ RFND _____ _____ RFNL _____ _____ RFNR _____ _____ RFNS _____ <u>WATER</u> _____ CWR _____ _____ CWS _____ _____ HWR _____ _____ HWS _____ _____ PCWR _____ _____ PCWS _____ _____ TWR _____ _____ TWS _____ _____ TWD _____ _____ CS _____	REFRIGERANT DISCHARGE (HOT GAS) REFRIGERANT LIQUID REFRIGERANT RELIEF REFRIGERANT SUCTION CHILLED WATER RETURN CHILLED WATER SUPPLY HEATING WATER RETURN HEATING WATER SUPPLY PROCESS COOLING WATER RETURN PROCESS COOLING WATER SUPPLY TOWER WATER RETURN TOWER WATER SUPPLY TOWER WATER DRAIN CHEMICAL SUPPLY	<u>AIR</u> _____ BA _____ _____ CA _____ _____ IA _____ <u>FUEL</u> _____ FOR _____ _____ FOS _____ _____ FDV _____ <u>NATURAL GAS</u> _____ NG _____ _____ NGM _____ _____ NGL _____ <u>LABORATORY GASES</u> _____ AC _____ _____ AR _____ _____ HE _____ _____ H2 _____ _____ LN _____ _____ N2 _____ _____ O2 _____ <u>STEAM/CONDENSATE</u> _____ CONHP _____ _____ CONLP _____ _____ CONPMP _____ _____ STMHP _____ _____ STMLP _____ <u>VACUUM</u> _____ VAC _____ _____ VACPD _____ <u>WASTE/VENT</u> _____ PLWH _____ _____ PLWNH _____ _____ RLW _____ _____ RLWV _____ _____ SW _____ _____ SWV _____ _____ SWTE _____ _____ VTR _____ _____ SPD _____ _____ STW _____ <u>WATER</u> _____ DIWR _____ _____ DIWS _____ _____ DIWD _____ _____ NPWC _____ _____ NPWH _____ _____ NPWHR _____ _____ NPMU _____ _____ PWC _____ _____ PWH _____ _____ PWHR _____	BREATHING AIR COMPRESSED AIR INSTRUMENT AIR FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL VENT NATURAL GAS-HIGH PRESSURE (greater than 5 psig) NATURAL GAS-MEDIUM PRESSURE (14" W.C. to 5 psig) NATURAL GAS-LOW PRESSURE (less than 14" W.C.) ACETYLENE ARGON HELIUM HYDROGEN LIQUID NITROGEN NITROGEN OXYGEN CONDENSATE-HIGH PRESSURE (ABOVE 15 PSIG) CONDENSATE-LOW PRESSURE (15 PSIG OR LESS) CONDENSATE-PUMPED STEAM-HIGH PRESSURE (ABOVE 15 PSIG) STEAM-LOW PRESSURE (15 PSIG OR LESS) VACUUM VACUUM PUMP DISCHARGE PROCESS LIQUID WASTE-HAZARDOUS PROCESS LIQUID WASTE-NONHAZARDOUS RADIOACTIVE LIQUID WASTE RADIOACTIVE LIQUID WASTE VENT SANITARY WASTE SANITARY WASTE VENT SANITARY WASTEWATER TREATED EFFLUENT VENT THROUGH ROOF SUMP PUMP DISCHARGE STORM WATER DEIONIZED WATER RETURN DEIONIZED WATER SUPPLY DEIONIZED WATER DRAIN NON-POTABLE WATER-COLD NON-POTABLE WATER-HOT NON-POTABLE WATER-HOT RECIRCULATION NON-POTABLE WATER-MAKE-UP POTABLE WATER-COLD POTABLE WATER-HOT POTABLE WATER-HOT RECIRCULATION

NOTE: REFERENCE ONLY - BASED ON LANL ENGINEERING MANUAL - CHAPTER 1, SECTION 210, SYSTEMS LIST.