FIG.1 ARROW 1	FIG.2 ARROW 2	FIG.3 MAIN PROCESS FLOW LINE	FIG.4 SECONDARY PROCESS FLOW LINE	FIG.5 CAPILLARY TUBING LINE	FIG.6 ELECTRICAL LINE	FIG.7 PNEUMATIC LINE	FIG.8 PLUMBING & DRAINAGE PIPING	FIG.9 INSULATED LINE	FIG.10 PP INSULATED FOR PERSONNEL PROTECTION	FIG.11 TRACED INSULATED LINE	FIG.12 REMOVABLE SPOOL	FIG.13 THIS SPACE INTENTIONALLY LEFT BLANK	FIG.14 P PURGE LINE
FIG.15 A/S INSTRUMENT AIR SUPPLY LINE	FIG.16 W/S WATER SUPPLY LINE	FIG.17 G/S GAS SUPPLY LINE	FIG.18 N/S NITROGEN SUPPLY LINE	FIG.19 BA/S BREATHING AIR SUPPLY LINE	FIG.20 JACKETED LINE	FIG.21 UNDERGROUND PIPE	FIG.22 FLOW ARROW	FIG.23 GATE VALVE	FIG.24 NORMALLY OPEN (ALL VALVES) (GATE VALVE SHOWN)	FIG.25 NORMALLY CLOSED (ALL VALVES) (GATE VALVE SHOWN)	FIG.26 NORMALLY THROTTLED (ALL VALVES) (GLOBE VALVE SHOWN)	FIG.27 NO NORMALLY OPEN (VLVS THAT CANNOT BE SHADED) BUTTERFLY VALVE SHOWN	FIG.28 NC NORMALLY CLOSED (VLVS THAT CANNOT BE SHADED) BUTTERFLY VALVE SHOWN
FIG.29 GLOBE VALVE	FIG.30 CHECK VALVE	FIG.31 BALL VALVE	FIG.32 BALL VALVE (3-WAY)	FIG.33 PLUG VALVE	FIG.34 PLUG VALVE (3-WAY)	FIG.35 PLUG VALVE (4-WAY)	FIG.36 STOP-CHECK VALVE	FIG.37 PINCH VALVE	FIG.38 NEEDLE VALVE	FIG.39 DIAPHRAGM VALVE	FIG.40 ANGLE VALVE	FIG.41 QUICK OPENING VALVE	FIG.42 VALVE, 3-WAY (OTHER THAN PLUG/BALL)
FIG.43 VALVE, 4-WAY (OTHER THAN PLUG/BALL)	FIG.44 BUTTERFLY VALVE	FIG.45 REACH ROD (SHOWN WITH GATE VALVE)	FIG.46 BALL VALVE, 3-WAY (SHOWN WITH RIGHT PORT NORMALLY CLOSED)	FIG.47 DRAG VALVE	FIG.48 EXCESS FLOW CHECK VALVE	FIG.49 DUPLEX FILTER	FIG.50 BALANCING VALVE	FIG.51 M MOTOR OPERATED SLIDE GATE VALVE	FIG.52 S.L. STEM LEAKOFF CONNECTION (SEE NOTE 4)	FIG.53 D DELUGE VALVE	FIG.54 ALARM CHECK VALVE	FIG.55 PILOT VALVE	FIG.56 BLEEDER TRIP VALVE
FIG.57 TANDEM BLOWDOWN VALVE	FIG.58 DRY PIPE VALVE	FIG.59 BALL DRIP VALVE	FIG.60 FOOT VALVE	FIG.61 STOP OR THROTTLE STOP VALVE	FIG.62 GOVERNOR VALVE	FIG.63 SHUTTLE VALVE	FIG.64 LEVEL WELL	FIG.65 FUEL INJECTOR	FIG.66 HOSE CONNECTION	FIG.67 FIRE HYDRANT	FIG.68 FIRE MONITOR	FIG.69 MECHANICAL COUPLING	FIG.70 REDUCER
FIG.71 SCREWED CAP	FIG.72 WELDED CAP	FIG.73 BLIND FLANGE	FIG.74 SPECTACLE BLIND	FIG.75 CIRCULAR OR HAMMER BLIND	FIG.76 SINGLE BASKET STRAINER	FIG.77 TWIN BASKET STRAINER	FIG.78 Y-STRAINER	FIG.79 FILTER	FIG.80 OUTSIDE INSIDE CONTAINMENT PENETRATION	FIG.81 START-UP STRAINER	FIG.82 ATMOSPHERIC VENT	FIG.83 LOOP SEAL	FIG.84 T TRAP
FIG.85 EXPANSION JOINT	FIG.86 FLAME ARRESTOR	FIG.87 EJECTOR, INJECTOR	FIG.88 EXHAUST HEAD	FIG.89 FUNNEL	FIG.90 BACKFLOW PREVENTER	FIG.91 SEISMIC CATEGORY DESIGNATION	FIG.92 S1 SEISMIC CATEGORY DESIGNATION NON-"D"	FIG.93 CONTAINMENT PIPING PENETRATION IDENTIFICATION	FIG.94 PIPING CONNECTION AT CONDENSERS	FIG.95 PIPING CONNECTION AT TURBINE GENERATORS	FIG.96 DISTRIBUTOR 3 WAY	FIG.97 IN-LINE MIXER	FIG.98 HOSE BIB (HB)
FIG.99 QUICK CONNECTOR	FIG.100 DISTRIBUTOR 3-WAY WITH SIGHT GLASS	FIG.101 SPEC. CHANGE	FIG.102 * SUPPLIED BY VENDOR	FIG.103 ** SUPPLIED BY SUB CONTRACTOR	FIG.104 CONTINUATION REFERENCE DRAWING COORDINATES	FIG.105 W A S UTILITY STATION W-WATER A-AIR S-STEAM	FIG.106 DF DF-DRINKING FOUNTAIN SS-SAFETY SHOWER EW-EYE WASH V-AUTOMATIC AIR VENT	FIG.107 OWS OPEN DRAIN OR SEWER OWS-OILY WATER SEWER CWS-CLEAN WATER SEWER CS-CHEMICAL SEWER FD-FLOOR DRAIN	FIG.108 V HYDRO VENT (MANUAL)	FIG.109 D HYDRO DRAIN	FIG.110 SLOPED PIPE	FIG.111 HOSE REEL STATION	FIG.112 HOSE RACK STATION
FIG.113 SP SAMPLE POINT	FIG.114 SILENCER	FIG.115 SMOKE, HEAT DETECTOR	FIG.116 AIRTROL FITTING	FIG.117 FLOW ELEMENT	FIG.118 THIS SPACE INTENTIONALLY LEFT BLANK	FIG.119 SPRAY NOZZLE (SHOWN WITH UPWARD FLOW)	FIG.120 AIR RELEASE VACUUM BREAKER	FIG.121 THIS SPACE INTENTIONALLY LEFT BLANK	FIG.122 SPRAY NOZZLE	FIG.123 EARTH FILTER	FIG.124 ALARM HORN	FIG.125 FILTER DRYER	FIG.126 QUICK DISCONNECT
FIG.127 TEST CONNECTION	FIG.128 BREATHER CAP	FIG.129 AIR FILTER SILENCER	FIG.130 MECHANICAL QUICK DISCONNECT COUPLING	FIG.131 SPARGER	FIG.132 REMOVABLE SPOOL (FLEXIBLE)	FIG.133 EDUCTOR	FIG.134 TURBINE (DOUBLE FLOW)	FIG.135 TURBINE (SINGLE FLOW)	FIG.136 HORIZONTAL CENTRIFUGAL PUMP	FIG.137 SUMP PUMP	FIG.138 VACUUM PUMP	NOTE: 1. SEE DWG. M-2200 SH.1 FOR NOTES, REF. DWGS..	
FIG.139 HAND PUMP	FIG.140 LOBE OR GEAR PUMP	FIG.141 VERTICAL CENTRIFUGAL PUMP	FIG.142 POSITIVE DISPLACEMENT PUMP	FIG.143 CENTRIFUGAL FAN	FIG.144 ROTARY PUMP	FIG.145 PRESSURE VESSELS VERTICAL (SHOWN) OR HORIZONTAL (TANKS RECEIVERS, DRYERS SEPARATORS, ETC.)	FIG.146 RESIN TRAP	FIG.147 FLOATING TOP TANK	FIG.148 AFTERCOOLER	FIG.149 RECIPROCATING COMPRESSOR	FIG.150 M MOTOR		

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PIPING & INSTRUMENT DIAGRAM INSTRUMENTATION AND COMPONENT SYMBOLS		
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