

# SYMBOLS

VALVES	SPECIALTY	LINE	EQUIPMENT	HVAC	FIRE PROTECTION	MISCELLANEOUS
<p>ANGLE, NO</p> <p>BALL (OPEN)</p> <p>BUTTERFLY</p> <p>BLOWDOWN</p> <p>CHECK</p> <p>STOP CHECK</p> <p>ANGLE STOP CHECK</p> <p>DRIP CHECK AUTOMATIC BALL</p> <p>AUTOMATIC CHECK POSITIVE CLOSING</p> <p>AUTOMATIC CHECK (PNEUMATIC)</p> <p>SPRING CHECK</p> <p>EXCESS FLOW CHECK (WEIGHT ASSISTED)</p> <p>EXCESS FLOW CHECK (SPRING LOADED)</p> <p>CONTROL</p> <p>DIAPHRAGM</p> <p>EXPLOSIVE</p> <p>GATE</p> <p>GLOBE</p> <p>HOSE, ANGLE</p> <p>HOSE, GLOBE</p> <p>NEEDLE</p> <p>PLUG</p> <p>3-WAY PLUG</p> <p>4-WAY PLUG</p> <p>PRESSURE REGULATOR (INTERNAL PRESS TAP)</p> <p>PRESSURE REGULATOR (EXTERNAL PRESS TAP)</p> <p>REHEAT INTERCEPT STOP VALVE</p> <p>FLOW CONTROL W/BUILT IN SOLENOID OPERATED VALVE</p> <p>SHEAR VALVE</p>	<p>ANNUBAR</p> <p>AIR VENT VALVE AUTOMATIC</p> <p>LIQUID DRAINER</p> <p>INSTRUMENT DIAPHRAM SEAL</p> <p>PRESSURE REGULATOR</p> <p>RELAY</p> <p>RESIN TRAP</p> <p>RUPTURE DISC</p> <p>SCREEN</p> <p>STRAINER</p> <p>DUPLEX STRAINER</p> <p>SINGLE BASKET STRAINER</p> <p>TEMP STRAINER</p> <p>TANK SCREEN STRAINER</p> <p>Y-TYPE STRAINER</p> <p>TRAP</p> <p>FLOW ELEMENT OR RESTRICTING ORIFICE</p> <p>FLOW INDICATOR</p> <p>FLOW INDICATOR IN LINE SIGHT GLASS OR LEVEL GLASS</p> <p>FLOW INDICATOR IN-LINE ROTATING</p> <p>FLOW NOZZLE</p> <p>FILTER</p> <p>IN LINE DRYER</p> <p>EXPANSION JOINT</p> <p>GAUGE SNUBBER</p>	<p>CHANGE OF LINE SPECIFICATION</p> <p>CONTINUING TO DWG. NO. AT GRID COORDINATE A-1</p> <p>CONTINUING FROM DWG. NO. AT GRID COORDINATE A-1</p> <p>PRIMARY PROCESS</p> <p>SECONDARY PROCESS</p> <p>BY OTHERS OR EXISTING</p> <p>CAPILLARY TUBING</p> <p>PNEUMATIC SIGNAL</p> <p>HEAT TRACED (ELECTRICAL)</p> <p>HEAT TRACED (STEAM)</p> <p>ELECTRICAL SIGNAL</p> <p>BEARING</p> <p>CONTAINMENT PENETRATION</p> <p>DIRECTION OF FLOW</p> <p>DRAIN, OPEN</p> <p>DRAIN, FLOOR</p> <p>DRAIN, ROOF</p> <p>BLIND FLANGE</p> <p>CONNECTION FLANGE</p> <p>INSULATING FLANGE</p> <p>SPECTACLE FLANGE</p> <p>FLEXIBLE CONNECTION</p> <p>SCREWED CAP FOR NITROGEN CHARGING SYS.</p> <p>SCREWED PLUG FOR INSTRUMENT TEST CONN.</p> <p>SPARGER</p> <p>SPRAY NOZZLE</p> <p>TARGET PLATE</p> <p>VENT</p> <p>CAPPED LINE (BW)</p> <p>HOSE CONNECTION</p> <p>PLUG OR CAP</p> <p>MIN. LOOP SEAL</p> <p>REMOVABLE SPOOL</p> <p>REDUCER</p> <p>RESIN TRANSFER PIPING</p>	<p>AGITATOR OR MIXER</p> <p>MIXER</p> <p>COMPRESSOR PISTON TYPE</p> <p>COMPRESSOR, ROTARY TYPE, OR VACUUM PUMP</p> <p>DESUPERHEATER</p> <p>ELECTRIC MOTOR DRIVE</p> <p>JET AIR EJECTOR OR EDUCTOR</p> <p>EXCHANGER, HEAT OR COOL</p> <p>SAMPLE COOLERS OR ROOM COOLERS</p> <p>TANK</p> <p>PRESSURE VESSEL</p> <p>TURBINE</p> <p>TURBINE DRIVE</p> <p>PUMPS</p> <p>CENTRIFUGAL</p> <p>IN-LINE</p> <p>POSITIVE DISPLACEMENT</p> <p>SUMP</p> <p>VERTICAL LIFT</p> <p>VERTICAL (OPEN SUCTION BELL TYPE)</p>	<p>ALARM IN CONTROL RM PANEL SF/RF</p> <p>AIR DUCT, SUPPLY</p> <p>AIR DUCT, EXHAUST OR RETURN</p> <p>AIR FILTER PREFILTER</p> <p>AIR FILTER CARBON</p> <p>AIR FILTER HEPA</p> <p>AIR FILTER REFRIGERANT FILTER</p> <p>BALANCING HVAC</p> <p>BIRD SCREEN</p> <p>AIR WASHER</p> <p>LOUVER</p> <p>COOLING COIL</p> <p>COIL REHEATER</p> <p>HEATING COIL</p> <p>RADIANT HEATER</p> <p>DEMISTER</p> <p>DIRECT EXPANSION COIL</p> <p>COIL PREHEATER</p> <p>FLOW SWITCH</p> <p>TEMPERATURE CONTROLLER</p> <p>HUMIDSTAT</p> <p>THERMOSTAT</p> <p>UNIT HEATER</p> <p>HUMIDIFIER</p> <p>POSITION LIMIT SWITCH</p> <p>PNEUMATIC/ELECTRIC SIGNAL CONNECTOR</p> <p>DAMPERS</p> <p>BACKDRAFT</p> <p>FAIL CLOSE TYPE</p> <p>FIRE</p> <p>GRAVITY</p> <p>MANUAL OPERATED VOLUME</p> <p>MOTOR OPERATED</p> <p>OPPOSED BLADE</p> <p>PARALLEL BLADE</p> <p>WITH POSITIONER</p> <p>FANS, VENTILATORS</p> <p>AXIAL</p> <p>AXIAL WITH VORTEX DAMPER</p> <p>FAN BLADE PITCH ACTUATOR</p> <p>ACTUATOR POSITIONER</p> <p>CENTRIFUGAL</p> <p>WITH INLET VORTEX DAMPER</p> <p>VENTILATOR POWERED ROOF</p> <p>PROPELLER</p> <p>HVAC LINE</p> <p>RETURN OR TRANSFER AIR</p> <p>SUPPLY OR OUTSIDE AIR</p> <p>SUPPLY OUTLET</p> <p>RETURN / EXHAUST INLET</p>	<p>FLOW ALARM VALVE</p> <p>WATER MOTOR ALARM</p> <p>ALARM CHECK VALVE FOR WET PIPE SPRINKLER SYST.</p> <p>DELUGE VALVE, (NORMALLY CLOSED)</p> <p>SMOKE DETECTOR</p> <p>DRY PIPE VALVE</p> <p>FLAME ARRESTER</p> <p>FIRE HYDRANT</p> <p>HOSE MANIFOLD WITH 6 2 1/2" HOSE VALVES FOR TESTING FIRE PUMPS</p> <p>HOSE REEL WITH HOSE</p> <p>HOUSED HYDRANT, 2 OUTLETS WITH VALVES, 250 FT. HOSE ATTACHED TO ONE OUTLET</p> <p>POST INDICATING GATE</p> <p>POST INDICATING BUTTERFLY</p> <p>STRAINER IN-LINE BASKET WITH BLOW-OFF VALVE</p> <p>TRAP</p> <p>WATER CABINET WITH HOSE</p> <p>SIGHT GLASS GLOBE VALVE</p>	<p>PANEL MOUNTED INSTRUMENT</p> <p>RACK OR PANEL NO.</p> <p>LOCAL INSTRUMENT</p> <p>BEHIND PANEL INSTRUMENT</p> <p>TRANSMITTER</p> <p>INTERLOCK</p> <p>OPEN/CLOSE INDICATOR</p> <p>PNEUMATIC REMOTE MANUAL CONTROLLER</p> <p>ELECTRICAL REMOTE MANUAL SWITCH</p> <p>AIR FILTER THROWAWAY</p> <p>AIR FILTER AUTOMATIC ROLL TYPE</p> <p>PRESSURE TAP</p> <p>IMPORTANT TO SAFETY</p> <p>NOT IMPORTANT TO SAFETY</p> <p>SAMPLE POINT</p> <p>TIE IN POINT</p> <p>MANOMETER</p> <p>HEAT TRACE PILOT LIGHT</p>
<p>RELIEF, SAFETY</p> <p>ANGLE SAFETY RELIEF</p> <p>STRAIGHT SAFETY RELIEF</p> <p>STEM LEAKOFF</p> <p>VACUUM BREAKER</p> <p>VACUUM PRIMING VALVE</p> <p>3-WAY</p> <p>4-WAY</p>	<p>VALVE OPERATORS</p> <p>AIR OPERATOR</p> <p>FLOAT OPERATOR</p> <p>HYDRAULIC OPERATOR</p> <p>PISTON OPERATOR</p> <p>MOTOR OPERATOR</p> <p>SOLENOID OPERATOR</p>					

NOTES:  
1. THIS DRAWING IS BASED ON BR-2001 SHEET 1 REVISION 21.

TABLE OF ADDITIONS & CHANGES					
NO	DATE	DESCRIPTION	REV'D	CHK'D	APPL'D
0	7/22/05	INITIAL ISSUE FOR LICENSE RENEWAL	JVM	MLM	KPM

MECHANICAL  
LICENSE RENEWAL SCOPING DRAWING  
MECHANICAL SYMBOLS  
DYSTER CREEK  
AmerGen  
SHEET 1 OF 2 | LR-BR-2001 | 0

DRAWING NO. LR-BR-2001 SH. 1 OF 2

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