



KEY

- NATURAL GAS - NG
- AUXILIARY FUEL
- A-I FUEL - A
- DIESEL FUEL - DF
- DOMESTIC WATER - DW
- HOT WATER - DHW
- CO<sub>2</sub> - FIRE PROTECTION - CO<sub>2</sub>
- SERVICE AIR - SA
- STEAM - LPS, HPS
- LIQUID OXYGEN LCK
- MAN SHUT-OFF VALVE (HAND CONTROL)

PIPING COMPONENT SYMBOLS	
↔ BUTTERFLY VALVE	↔ CHECK VALVE
↔ GATE VALVE	↔ RELIEF VALVE
↔ BALL VALVE	↔ GLOBE VALVE
↔ 3-WAY VALVE	
↔ DIRECTIONAL VALVES 3-WAY 4-WAY	
⊘ CYLINDER REGULATOR	⊘ PRESS GAUGE
⊘ FILTER	⊘ TURB FLOWMETER
⊘ STRAINER	⊘ ORIFICE
⊘ HEAT EXCH	⊘ PUMP
⊘ RUPTURE DISK	⊘ MOTOR
	⊘ ROTARY MOTOR
	⊘ SOLENOID
	⊘ PRESS DIFF XDCR

ACTUATOR SYMBOLS		PRIMARY CONTROL ELEMENT SYMBOLS		ITEM DESIGNATIONS
⊘ CYLINDER	⊘ HAND	⊘ ELEC-PNEU XDCR	⊘ PS PRESSURE SWITCH	⊘ LOCALLY MOUNTED
⊘ PNEU CONTROL	⊘ ROTARY MOTOR	⊘ ELEC-HYDR XDCR	⊘ PT PRESSURE XDCR	⊘ CONTROL ROOM LOCATED
		⊘ LLS LIO LEVEL SWITCH	⊘ TC THERMOCOUPLE	⊘ ALTN CONTROL ROOM LOCATED
		⊘ LLS LIO LEVEL XDCR	⊘ TS TEMP SWITCH	⊘ REF DRAWING
		⊘ LS LIMIT SWITCH		
		⊘ POS PRESS DIFF SWITCH		
		⊘ POT PRESS DIFF XDCR		

INSTRUMENT LETTER DESIGNATIONS FOR			
B - BURNER	L - LEVEL	Z - POSITION	
E - EMERGENCY	P - PRESSURE		
F - FLOW	S - SPEED		
H - HAND	T - TEMPERATURE		
A - ALARM	I - INDICATE	S - SHUTDOWN	
C - CONTROL	L - LOW	Y - DATALOG	
D - DIFFERENTIAL	P - PERMISSIVE		
H - HIGH	R - RECORD		

INSTRUMENT SYMBOLS	
⊘ GENERAL	⊘ DATA COLLECTOR FACILITY
⊘ PRGM LOGIC CONTROLLER	⊘ PRGM PROCESS CONTROLLER

DESIGN CONTRACTOR	UNLESS OTHERWISE SPECIFIED
	1/8" DIM MAY VARY ±
	1/16" DIM MAY VARY ±
	1/32" DIM MAY VARY ±
	ANGULAR DIM MAY VARY ±
	DIM MAY VARY ±
	BREAK SHARP CORNERS
APPROVED	SCALE
C.O.R.	REFERENCE

REV. NO. DESCRIPTION

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BUILDING No. 24 - FLOOR PLAN

CF 100000