REV.	2
SHT.	2
DRAWING NO.	SYMBOL2

ISA IDENTIFICATION LETTERS

	FIRST LETTER		SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS		ALARM		
B	BURNER, COMBUSTION		USERS CHOICE	USERS CHOICE	USERS CHOICE
C	USERS CHOICE			CONTROL	
D	USERS CHOICE	DIFFERENTIAL			
E	VOLTAGE EXPANSION		SENSOR (PRIMARY ELEMENT)		
F	FLOW RATE	RATIO (FRACTION)			
G	USERS CHOICE		GLASS, VIEWING DEVICE		
H	HAND				HIGH
I	CURRENT (ELECTRICAL)		INDICATE		
J	POWER	SCAN			
K	TIME, TIME SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	USERS CHOICE	MOMENTARY			MIDDLE INTERMEDIATE
N	SHUTDOWN		USERS CHOICE	VALVE	USERS CHOICE
O	USERS CHOICE		ORIFICE, RESTRICTION		
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE			
R	RADIATION REGULATOR		RECORD		
S	SPEED, FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECANICAL ANALYSIS			VALVE, DAMPER, LOUVER	
W	WEIGHT, FORCE		WELL		
X	UNCLASSIFIED	X AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE OR PRESENCE	Y AXIS		RELAY, COMPUTE, CONVERT	
Z	POSITION, DIMENSION	Z AXIS		DRIVER, ACTUATOR, UNCLASSIFIED, FINAL CONTROL ELEMENT	

COMMON TAG IDENTIFICATION

* ESD — EMERGENCY SHUT DOWN PUSH-BUTTON

(ESV) — EMERGENCY SHUT DOWN VALVE (SOLENOID OPERATED)

(FE) — FLOW METER

(FE) — FLOW SWITCH

(FE) — FLOW SAFETY VALVE

(FE) — FLOW VALVE

(LS) — LEVEL SWITCH

(PCV) — PRESSURE CONTROL VALVE

(PDSH) — DIFFERENTIAL PRESSURE SWITCH-HIGH

(PS) — PRESSURE SWITCH

(PSH) — PRESSURE SWITCH HIGH

(PT) — PRESSURE TRANSMITTER

(SOV) — SOLENOID VALVE

(TE) — RTD

(PSV) — RELIEF VALVE

(TT) — TEMPERATURE TRANSMITTER

(TW) — THERMOWELL

* (VO) — MOTOR OPERATED VALVE

(VT) — VIBRATION TRANSMITTER

(RV) — SELF REGULATING VALVE

(HOA) — HAND OPERATED ACCUATOR

(EV) — EXPANSION VALVE

(RSV) — REGULATING SOLENOID VALVE

LINE NUMBER DESIGNATION

AG AMMONIA GAS
AL AMMONIA LIQUID
LO LUBE OIL

LINE NUMBER FORMAT

3" HL - 100

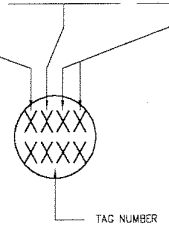
- 3" — PIPE SIZE
- HL — FLUID TYPE
- 100 — LINE NUMBER

INSTRUMENT TAG LEGEND

A – ANALYZER
B – BURNER
C – CONDUCTIVITY
E – VOLTAGE
E – EXPANSION
F – FLOW RATE
H – HAND
I – CURRENT
J – POWER
K – TIME
L – LEVEL
M – MOISTURE
N – SHUTDOWN
P – PRESSURE
Q – QUANTITY
R – RESTRICTION
R – SELF-REGULATING
S – SAFETY
S – SPEED (TACHOMETER)
T – TEMPERATURE
V – VIBRATION
W – WEIGHT, THRUST
Z – POSITION

A – ALARM
C – CONTROL
D – DIFFERENTIAL
E – ELEMENT (PROBE)
G – GAGE
H – HIGH
I – INDICATOR
J – SCANNING
L – LOW
O – ORIFICE
Q – EVENT, QUANTITY
R – RATIO
R – RECORDER
S – SAFETY
S – SWITCH
T – TRANSMITTER
W – WELL
Y – RELAY, COMPUTE

H – HIGH (ALARM ONLY)
HH – HIGH (SHUTDOWN)
L – LOW (ALARM ONLY)
LL – LOW (SHUTDOWN)
S – SWITCH
SD – SHUTDOWN
V – VALVE



REV.	DESCRIPTION	BY	DATE	CHK'D	APP'D

REV.	DESCRIPTION	BY	DATE	CHK'D	APP'D

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	AFE W. O.:
PRELIM					CONSTRUCTION BY / DATE
BID					DESIGN
CONSTR.					DRAWN
AS BUILT					

UPDATE DATE: 2/07/01
CAD FILE NO.: SYMBOL2
SCALE: NONE
DRAWING NUMBER: SYMBOL2
SHT. 2 OF 2