

REVISION 1, DATE 9-16-2004

**GENERAL NOTES**


1. M-0001 IS A STANDARD PIPING AND INSTRUMENTATION DIAGRAM LEGEND SHEET.
2. FOR DRAWING TITLE BLOCK CONTENTS REFER TO THE DRAFTING MANUAL SECTION 202.10.
3. THE SHEET NUMBER IN THE TITLE BLOCK IS A REFERENCE NUMBER FOR THIS MANUAL.

**VALVE & INSTRUMENTATION FUNCTION IDENTIFIERS (SELECTED)**

FIRST-LETTERS	INDICATING MEASURED OR CONTROLLED VARIABLE	CONTROLLERS			VALVES	READOUT DEVICE		SWITCHES AND * ALARM DEVICES			TRANSMITTERS			SOLENOIDS RELAYS COMPUTING DEVICES	PRIMARY ELEMENT	TEST POINT	WELL OR PROBE	VIEWING DEVICE GLASS	SAFETY DEVICE	FINAL ELEMENT
		RECORDING	INDICATING	BLIND		RECORDING	INDICATING	HIGH**	LOW	COMB	RECORDING	INDICATING	BLIND							
A	ANALYSIS	ARC	AIC	AC		AR	AI	ASH	ASL	ASHL	ART	AIT	AT	AY	AE	AP	AW		AV	
B	BURNER/ COMBUSTION	BRC	BIC	BC		BR	BI	BSH	BSL	BSHL	BRT	BIT	BT	BY	BE		BW	BG	BZ	
C	CONDUCTIVITY		CIC	CC											CE					
D	USER'S CHOICE																			
E	VOLTAGE	ERC	EIC	EC		ER	EI	ESH	ESL	ESHL	ERT	EIT	ET	EY	EE				EZ	
F	FLOW RATE	FRC	FIC	FC	FCV FICV	FR	FI	FSH	FSL	FSHL	FRT	FIT	FT	FY	FE	FP			FG	
FQ	FLOW QUANTITY	FQRC	FQIC			FQR	FQI	FQSH	FQSL		FQIT	FQT		FQY	FQE				FQV	
FF	FLOW RATIO	FFRC	FFIC	FFC		FFR	FFI	FFSH	FFSL						FE				FFV	
G	USER'S CHOICE																			
H	HAND		HIC	HC	HV				HS										HV	
I	CURRENT	IRC	IIC			IR	II	ISH	ISL	ISHL	IRT	IIT	IT	IY	IE				IZ	
J	POWER	JRC	JIC	ARC		JR	JI	JSH	JSL	JSHL	JRT	JIT	JT	JY	JE				JV	
K	TIME	KRC	KIC	KC	KCV	KR	KI	KSH	KSL	KSHL	KRT	KIT	KT	KY	KE				KV	
L	LEVEL	LRC	LIC	LC	LCV	LR	LI	LSH	LSL	LSHL	LRT	LIT	LT	LY	LE		LW	LG	LV	
M	NOISTURE/ HUMIDITY						MI					MT								
N	USER'S CHOICE																			
O	USER'S CHOICE																			
P	PRESSURE VACUUM	PRC	PIC	PC	PCV	PR	PI	PSH	PSL	PSHL	PRT	PIT	PT	PY	PE	PTP		PSV PSE	PV	
PD	PRESSURE DIFFERENTIAL	PDRC	PDIC	PDC	PDCV	PDR	PDI	PDSH	PDSL		PDRT	PDIT	PDT	PDY	PE	PTP			PDV	
Q	QUALITY	QRC	QIC	RC		QR	QI	QSH	QSL	QSHL	QRT	QIT	QT	QY	QE				QZ	
R	RADIATION	RRC	RIC	RC		RR	RI	RSH	RSL	RSHL	RRT	RIT	RT	RY	RE		RW		RZ	
S	SPEED	SRC	SIC	SC	SCV	SR	SI	SSH	S SL	SSH L	SRT	SIT	ST	SY	SE				SV	
T	TEMPERATURE	TRC	TIC	TC	TCV	TR	TI	TSH	TSL	TSHL	TRT	TIT	TT	TY	TE	TP	TW		TSE TV	
T	TEMPERATURE DIFFERENTIAL	TDRC	TDIC	TDC	TDCV	TDR	TDI	TDSH	TDSL		TDRT	TDIT	TDI	TDY	TDE	TDP TP	TDW TW		TDV	
U	MULTIVARIABLE					UR	UI							UY					UV	
V	MACHINERY VIBRATION ANALYSIS					VR	VI	VSH	VSL	VSHL	VRT	VIT	VT	VY	VE				VZ	
W	WEIGHT FORCE	WRC	WIC	WC	WCV	WR	WI	WSH	WSL	WSHL	WRT	WIT	WT	WY	WE				WZ	
WD	WEIGHT FORCE DIFFERENTIAL	WDRC	WDIC	WDC	WDCV	WDR	WDI	WDSH	WDSL		WDRT	WDIT	WDT	WDY	WE				WDZ	
X	USER'S CHOICE																			
Y	EVENT STATE PRESENCE		YIC	YC		YR	YI	YSH	YSL			YT	YY	YE					YZ	
Z	POSITION DIMENSION	ZRC	ZIC	ZC	ZCV	ZR	ZI	ZSH	ZSL	ZSHL	ZRT	ZIT	ZI	ZY	ZE				ZV	
ZD	GALGING DEVIATION	ZDRC	ZDIC	ZDC	ZDCV	ZDR	ZDI	ZDSH	ZDSL		ZDRT	ZDIT	ZDI	ZDY	ZDE				ZDV	

NOTE:  
THIS TABLE IS NOT ALL-INCLUSIVE, SEE LEM CH. 1, SECTION 230  
\*A, ALARM, THE ANNUNCIATING DEVICE, MAY BE USED IN THE SAME FASHION AS, SWITCH, THE ACTING DEVICE.  
\*\* THE LETTERS H AND L MAY BE OMITTED IN THE UNDEFINED CASE.

OTHER POSSIBLE COMBINATIONS:  
FO (RESTRICTION ORIFICE) PFR (RATIO)  
FRK, HIK (CONTROL STATIONS) KQI (RUNNING TIME INDICATOR)  
FX (ACCESSORIES) KQI (INDICATING COUNTER)  
TJR (SCANNING RECORDER) WKIC (RATE-OF-WEIGHT-LOSS CONTROLLER)  
LLH (PILOT LIGHT) HMS (HAND MOMENTARY SWITCH)

NO	DATE	CLASS REV	ADD	DESCRIPTION	OWN	DSGN	CHKD	SUB	APP	
 <b>FACILITY &amp; WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES</b>										
<b>PROCESS FLOW DIAGRAMS AND P&amp;ID SYMBOLS</b>					DRAWN	DRAFTER				
PROCESS FLOW AND P&ID AND INSTRUMENTATION DIAGRAM LEGEND					DESIGN	DESIGNER(s)				
					CHECKED	CHECKER				
					DATE	MM-DD-YY				
BLDG XX					TA-XX					
SUBMITTED					APPROVED FOR RELEASE					
PROJECT ENGINEER					PROJECT TEAM LEADER					
					SHEET					
					M-0002					
					X OF X					
CLASSIFICATION LINC					REVIEWER LARRY BAYS					
PROJECT ID					DRAWING NO					
					DATE					
					REV					
					1					

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