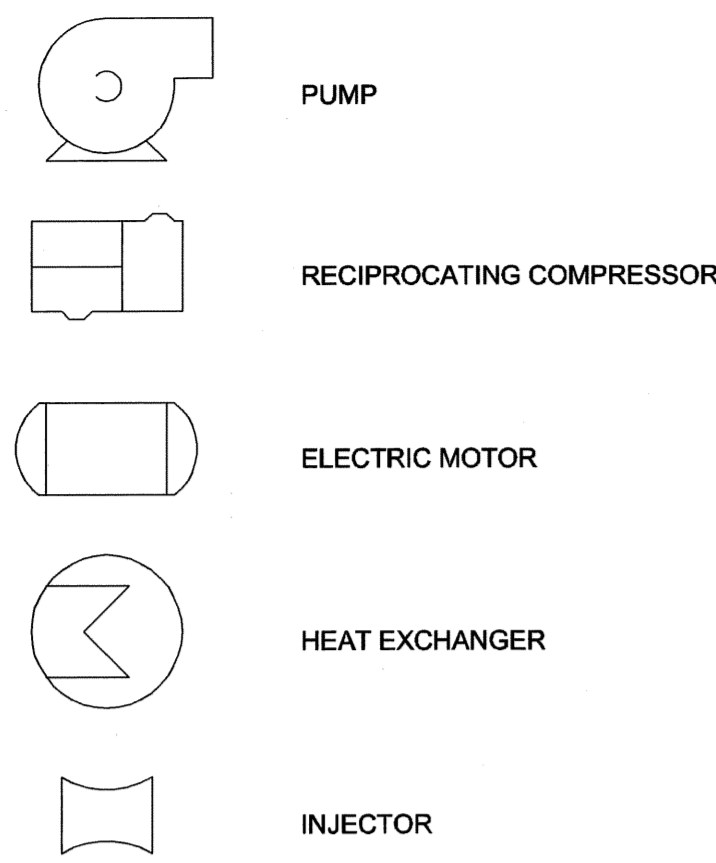
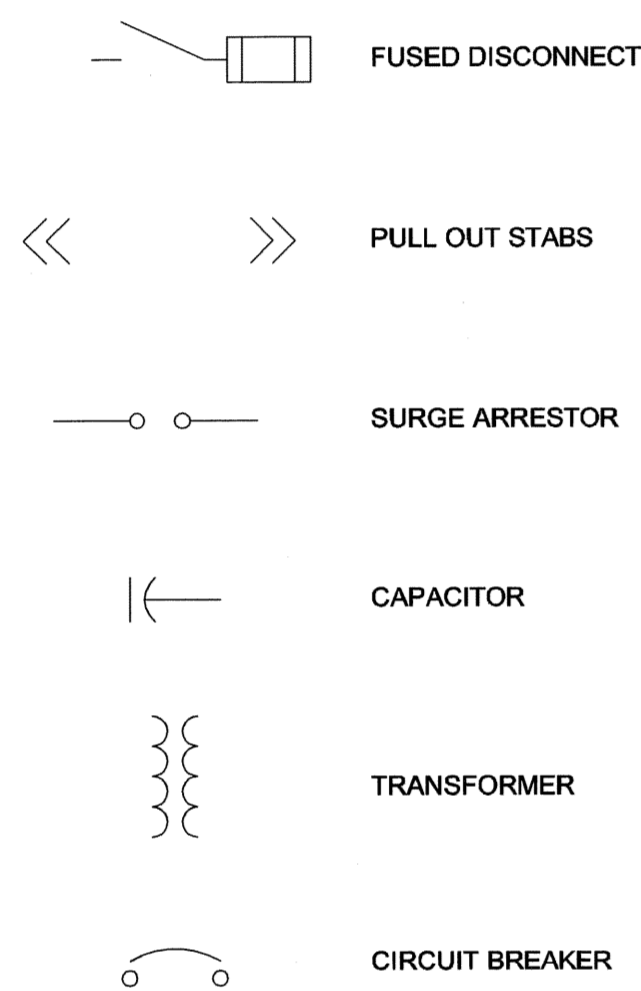


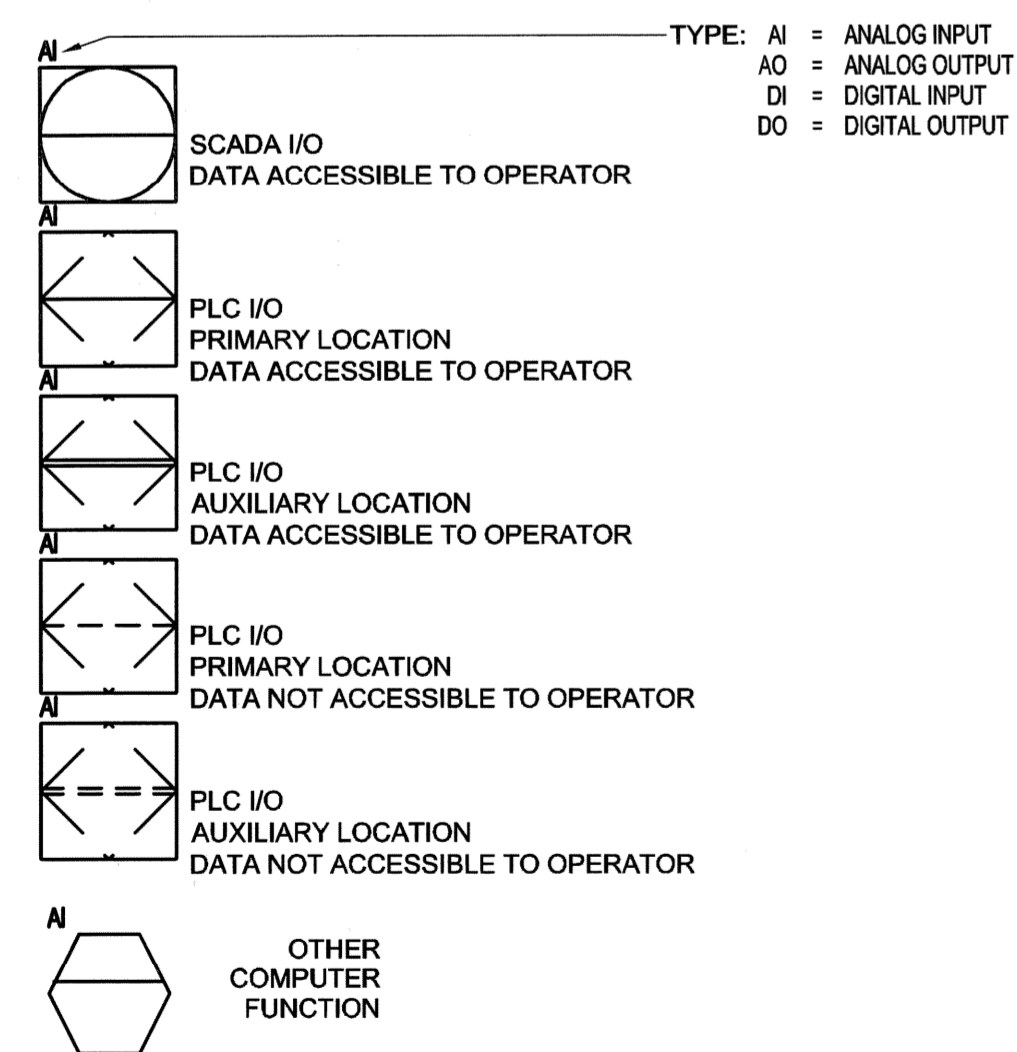
EQUIPMENT SYMBOLS



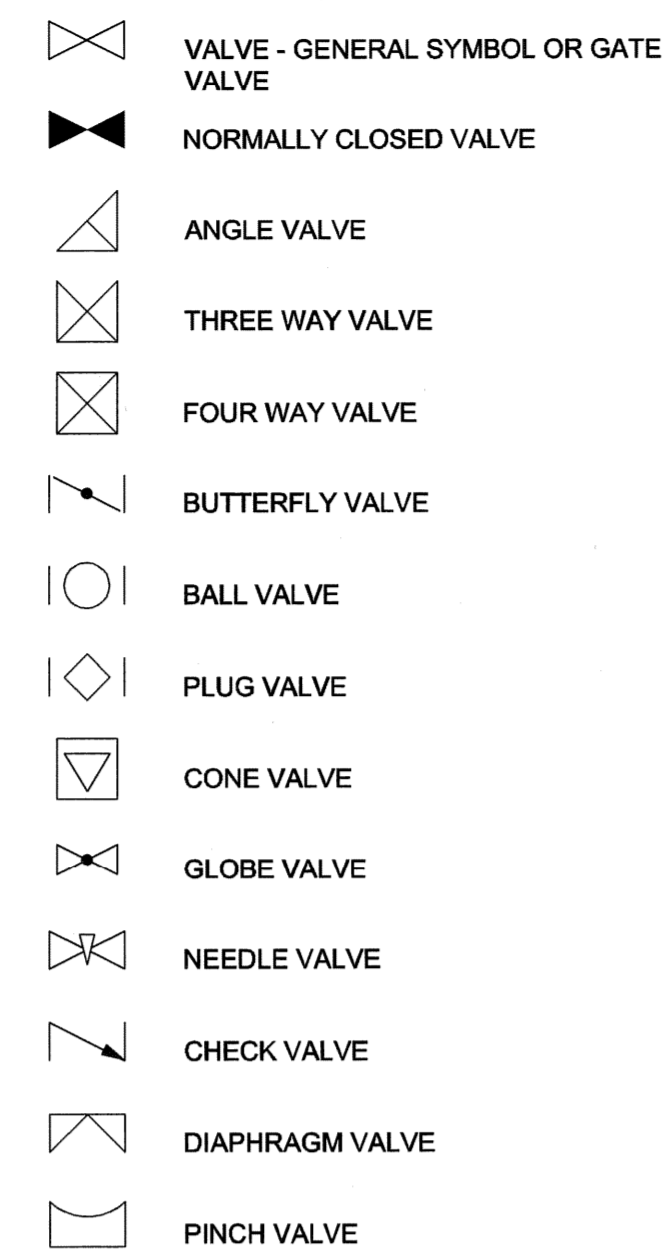
ELECTRICAL SYMBOLS



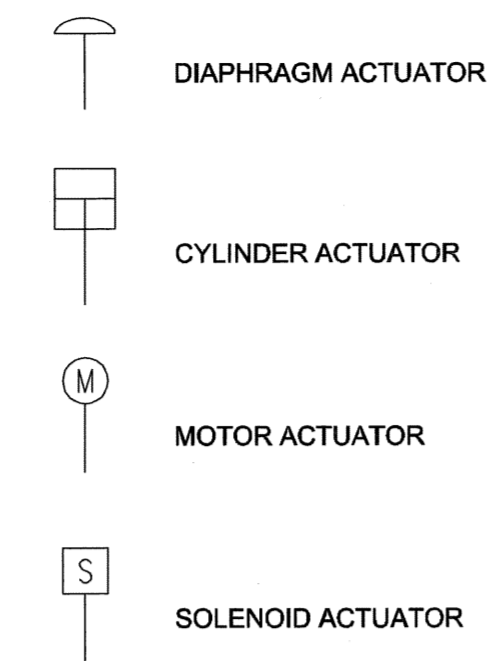
I/O TAGS



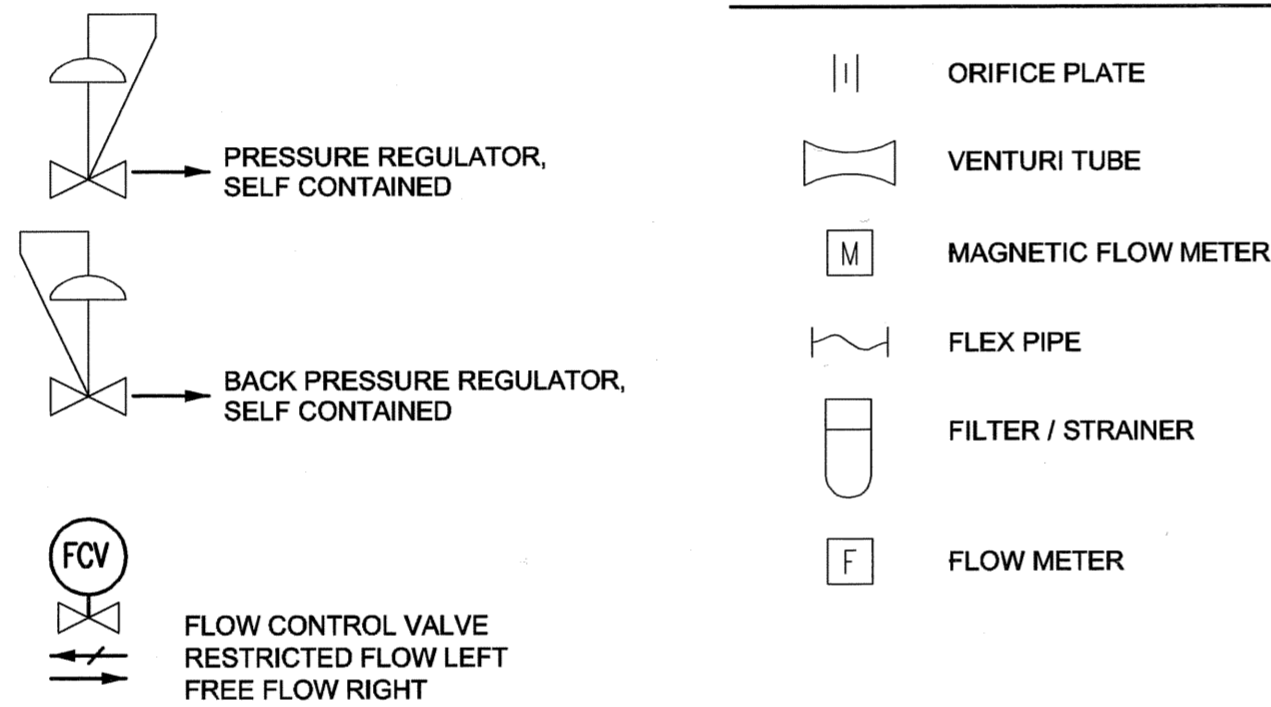
VALVE SYMBOLS



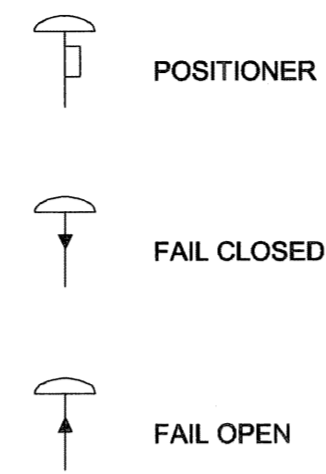
ACTUATOR SYMBOLS



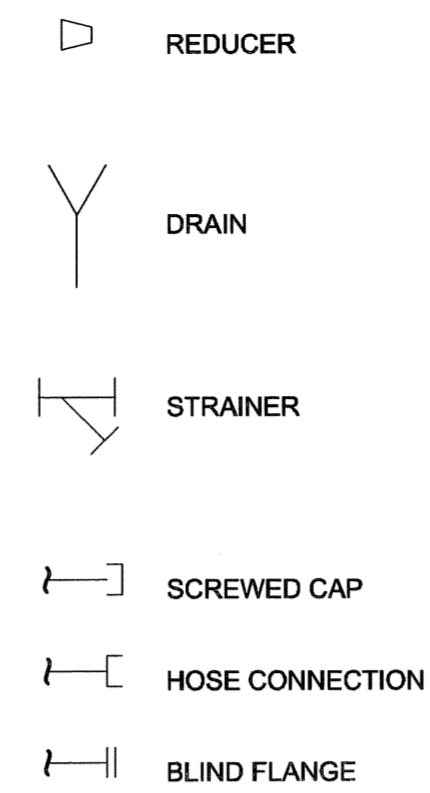
ACCESSORY DEVICE SYMBOLS



ACTUATOR DETAIL SYMBOLS



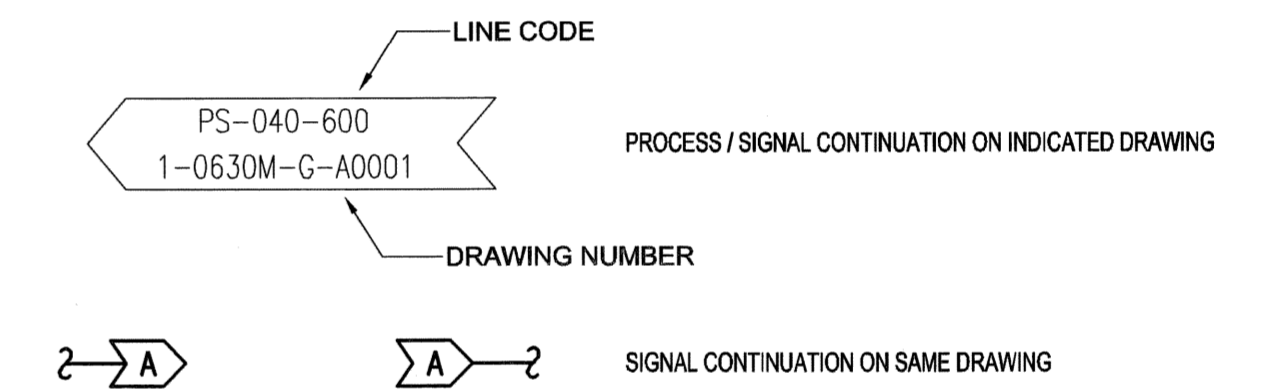
PIPING DETAIL SYMBOLS



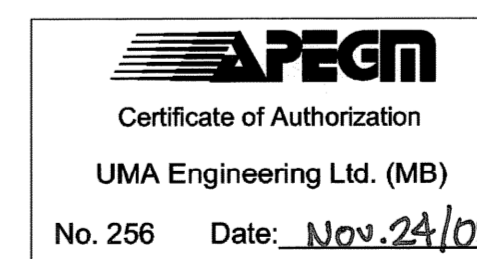
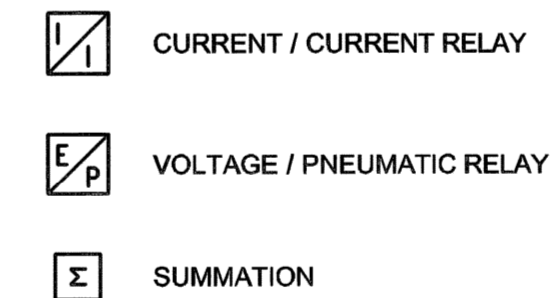
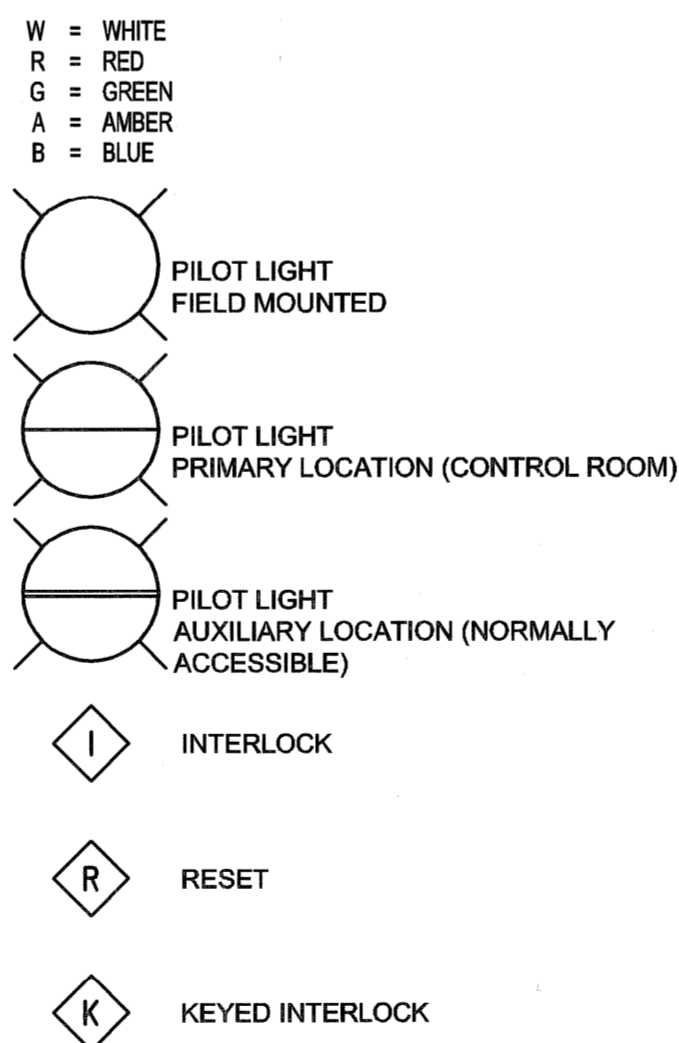
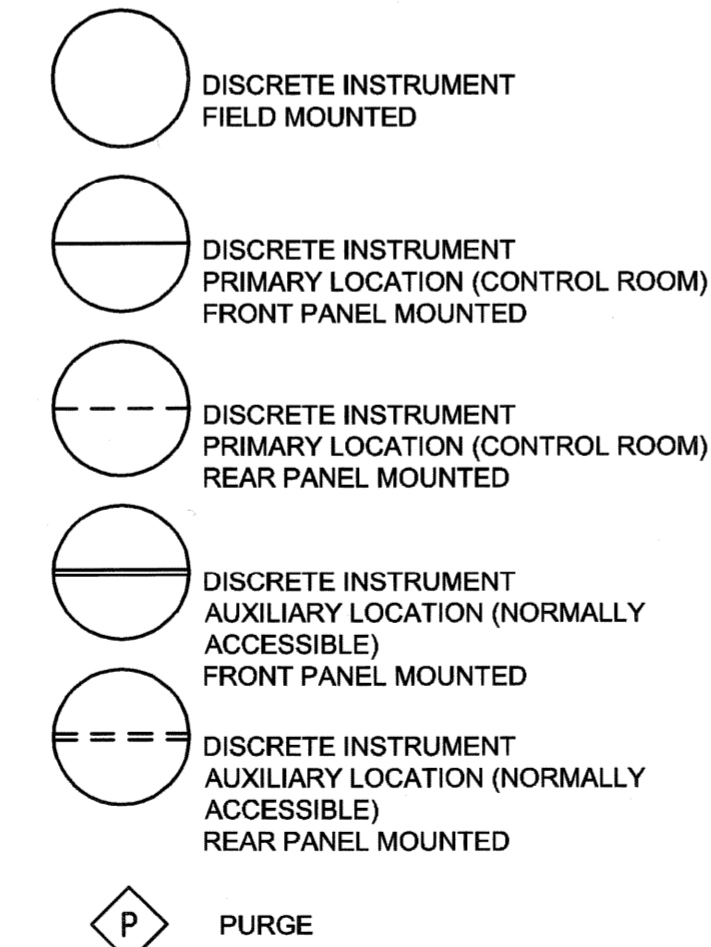
PID STANDARDS

- DRAWINGS UTILIZE CITY OF WINNIPEG STANDARDS FOR BORDER AND TITLE BLOCK. ALL DRAWINGS ARE PRODUCED ON AUTOCAD (LATEST REV., R2000 OR LATER).
- ALL UNITS ARE IN METRIC, EXCEPT AS NOTED OTHERWISE. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS (mm).
- DRAWING CONTENT GENERALLY CONFORMS WITH ISA-5.1 STANDARD. AN EXCEPTION REGARDING EQUIPMENT TAGGING HAS BEEN MADE TO ALLOW CONFORMITY WITH EXISTING NAMING CONVENTIONS.
- PID'S INDICATE MAJOR PROCESS PIPING AND EQUIPMENT AND ASSOCIATED LOCAL INSTRUMENTATION, SCADA PLC AND OTHER PROCESS I/O.
- EQUIPMENT INCLUDING VESSELS, DRUMS, EXCHANGERS, HEATERS, PUMPS, COMPRESSORS, ETC. ARE ARRANGED IN SEQUENCE WITH PRINCIPLE FUNCTIONS AND FLOWS.
- ALL MAJOR EQUIPMENT INCLUDING PUMPS, COMPRESSORS, TANKS, ETC. ARE LABELED AS TO FUNCTION WITH DESIGN SIZES AND RATINGS.
- ALL PROCESS LINES ARE LABELED ACCORDING TO FUNCTION AND SIZE UTILIZING SYSTEM CODES DEFINED HEREIN.
- EACH SYSTEM INTERCONNECTION POINT BETWEEN DRAWINGS IS LABELED WITH A SOURCE DRAWING NUMBER OR DESTINATION DRAWING NUMBER. ARROWS ON PROCESS PIPING INDICATE DIRECTION OF FLOW BETWEEN DRAWINGS.

CONNECTING ARROWS



INSTRUMENT SYMBOLS



DRN	CHK	DES	ENG	IDR
UMA REVIEW				

NO.	REVISIONS	YYMMDD	BY
B	ISSUED FOR BID	08/11/21	QL
A	ISSUED FOR REVIEW	08/10/28	QL

DESIGNED BY	KM	CHECKED BY	
DRAWN BY	QL	APPROVED BY	
HOR. SCALE	NTS	RELEASED FOR CONSTRUCTION	
VERT. SCALE	NTS		
DATE		DATE	

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
Nov 24/08
B.L. MOORE
REGISTERED PROFESSIONAL ENGINEER
CONSULTANT DRAWING NO.
D265-199-00_02-IL0001_RX.dwg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

G. C. MACLEAN PUMPING STATION P-26 ENGINE REPLACEMENT PROCESS AND INSTRUMENTATION DIAGRAMS SYMBOLS LEGEND

SHEET 1 OF 3
CITY DRAWING NUMBER 1-0630M-A0028-001
REV B