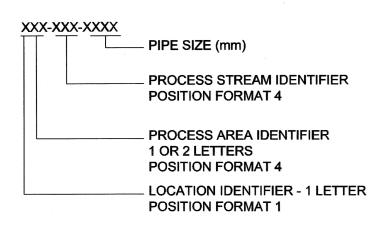
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ı	INSTRUMENT AND DEVICE IDENTIFICATION TABLE							
	INSTRUIV	ENT AND DE	-VICE IDENTIF	TCATION TADL	<u> </u>			
	FIRST-LETTE	R	SUCCEEDING-LETTERS					
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER			
Α	ANALYSIS OR SAMPLER		ALARM, TROUBLE					
В	BURNER FLAME				CLOSE, DECREASE			
С	CONDUCTIVITY		1	CONTROL				
D	DENSITY	DIFFERENTIAL			OPEN, INCREASE			
E	VOLTAGE (EMF)		SENSOR (PRIMARY ELEMENT)					
F	FLOW RATE	RATIO (FRACTION)	FAILURE					
G	GAS		GLASS, VIEWING DEVICE	GENERATOR (ULTRASONIC)				
Н	HAND (MANUAL)				HIGH			
I	CURRENT (ELECTRICAL)		INDICATE					
J	POWER	SCAN						
К	TIME	TIME RATE OF CHANGE		CONTROL STATION				
L	LEVEL		LIGHT		LOW			
М	MOTOR	MOMENTARY	OPERATE, ON/OFF		MIDDLE, INTERMEDIATE			
N	MOISTURE			START				
0	TORQUE		ORIFICE, RESTRICTION	STOP, OVERLOAD				
Р	PRESSURE, VACUUM		POINT (TEST CONNECTION)		- .			
Q	COMMON, QUANTITY	INTEGRATE, TOTALIZE						
R	RADIOACTIVITY		RECORD					
S	SPEED, FREQUENCY	SAFETY		SWITCH				
Т	TEMPERATURE		TRANSMITTER					
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION			
٧	VIBRATION, MECHANICAL ANALYSIS, VALVE, DAMPER (2)			VALVE, DAMPER, LOUVER				
W	WEIGHT, FORCE		WELL					
Х	UNCLASSIFIED (1)	X AXIS	UNCLASSIFIED (1)	UNCLASSIFIED (1)	UNCLASSIFIED (1)			
Υ	EVENT, STATE, OR PRESENCE	Y AXIS		RELAY, COMPUTE, CONVERT				
Z	POSITION	Z AXIS		DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT				

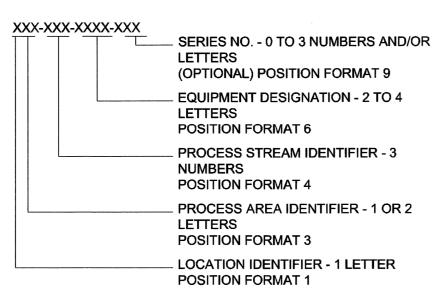
NOTES FOR INSTRUMENT AND DEVICE IDENTIFICATION TABLE:

- THE LETTER X IS TO BE DEFINED AT THE TIME OF USE, AND MAY BE USED FOR MULTIPLE DEFINITIONS WHERE NO OTHER LETTER IS APPLICABLE.
- THE USE OF V AS AN INITIAL LETTER TO REPRESENT A VALVE OR A DAMPER DOES NOT MEET THE INTENT OF ISA STANDARD 5.1, AND ITS CURRENT USE SHOULD BE REVIEWED.

PROCESS LINE IDENTIFIERS



EQUIPMENT IDENTIFICATION



POSITION FORMATS

1. LOCATION IDENTIFIER - 1 LETTER

DEACON

TACHE CENTRAL CONTROL - MCPHILLIPS

HURST

MACLEAN MCPHILLIPS

DISTRIBUTION SYSTEM

WATER TREATMENT PLANT (FUTURE)

AQUEDUCT

RIVER

2. PLC OR RTU IDENTIFIER - 1 LETTER

- ASCENDING FROM A TO Z

- USE "M" FOR STATION MASTER

- USE A - G FOR STATION PUMPS 1 TO 7

3. PROCESS AREA - UP TO 2 LETTERS

CHLORINE SUCTION

DISCHARGE

RESERVOIR TELEMETERING

ELECTRIC DRIVE

GAS DRIVE HVAC

GENERAL STATION FUNCTIONS (UTILITIES)

SARGENT AVENUE AND ST. JAMES STREET ROUGE ROAD AND ASSINIBOINE AVENUE

JOHN BLACK AVENUE AND MAIN STREET

INKSTER BOULEVARD AND BROOKSIDE BOULEVARD

GR GATEWAY ROAD AND SPRINGFIELD ROAD PLESSIS ROAD AND DEVONSHIRE DRIVE

LAGIMODIERE BOULEVARD AT OFFTAKE TO SMUGGLER'S COVE

PC PADDINGTON ROAD AND CHARING CROSS CRESCENT

PEMBINA HIGHWAY AND CHANCELLOR MATHESON ROAD

REDONDA STREET AND KILDARE AVENUE

INPUT/OUTPUT (I/O) IDENTIFICATION

LETTERS

POSITION FORMAT 5

POSITION FORMAT 3

(OPTIONAL) POSITION FORMAT 9

(OPTIONAL) POSITION FORMAT 4

SERIES NO. - 0 TO 3 NUMBERS AND/OR LETTERS

INSTRUMENT OR DEVICE IDENTIFICATION - 2 TO 4

PROCESS STREAM IDENTIFIER - 3 NUMBERS

PROCESS AREA IDENTIFIER - 1 OR 2 LETTERS

PLC OR RTU IDENTIFIER POSITION FORMAT 2

LOCATION IDENTIFIER - 1 LETTER POSITION FORMAT 1

RUE DES TRAPPISTES AND VILLENEUVE BOULEVARD

FORT GARRY BRIDGE

JAMES AVENUE

KILDONAN BRIDGE

XXXX-XXX-XXXX

4. PROCESS STREAM IDENTIFIER - 3 DIGITS AQUEDUCT AND RESERVOIR PIPING

SUCTION HEADER PIPING AND EQUIPMENT BETWEEN SUCTION AND DISCHARGE HEADER

DISCHARGE HEADER

BRANCHES OFF DISCHARGE 051 TO 059 EXTERIOR PIPING AND DISTRIBUTION

REMOTE PRESSURE POINTS 600 TO 699

CHEMICAL SYSTEMS

CHLORINE AMMONIA 830 TO 839

FLOURIDE 840 TO 849 MISC. 850 TO 899

GENERAL UTILITIES

AIR PRESSURE 900 TO 909 ELECTRICAL DISTRIBUTION 910 TO 919

BUILDING SAFETY AND SECURITY 920 TO 929 SUMPS 930 TO 939

FLOOD 940 TO 949 FLUSH WATER 950 TO 959

GAS (NATURAL)

RIVER MONITORING

5. INSTRUMENT OR DEVICE IDENTIFICATION - 2-4 LETTERS

6. EQUIPMENT DESIGNATION - 2-4 LETTERS

- REFER TO TABLE AT LEFT

- REFER TO EQUIPMENT LIST AT RIGHT

7. PLC IDENTIFIER - 1 LETTER - FROM A TO Z IF APPLICABLE, IE. CONTROLLER,

> SETPOINT, OUTPUT, ETC. - 0 IF THE INFORMATION IS NOT EXPLICITLY ASSOCIATED WITH A PARTICULAR PLC

8. <u>INTERNAL VALUE</u> - 1 LETTER

- A CONTROL VALUE
- C CALCULATION
- E OPERATOR ENTRY
- M MANUAL DATA

9. SERIES NUMBER - UP TO 3 DIGITS OR LETTERS

- ANY COMBINATION OF THREE LETTERS AND/OR NUMBERS

EQUIPMENT DESIGNATIONS

COMPRESSED AIR RECEIVER

DISCHARGE HEADER VALVE

AIR COMPRESSOR

AQUEDUCT VALVE

CHLORINE VALVE

DISCHARGE VALVE

RESERVOIR VALVE

SUCTION VALVE

VALVE (GENERAL)

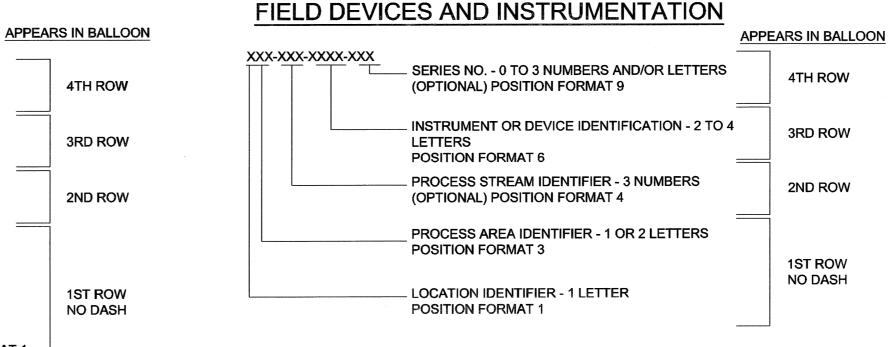
SUCTION HEADER VALVE

ELECTRIC GENERATOR

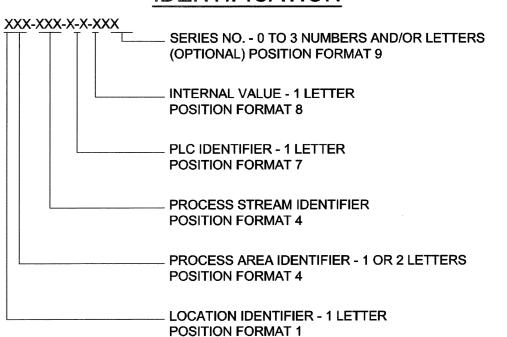
CHLORINATOR

INJECTOR

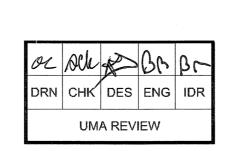
PUMP



INTERNAL SOFTWARE POINT IDENTIFICATION

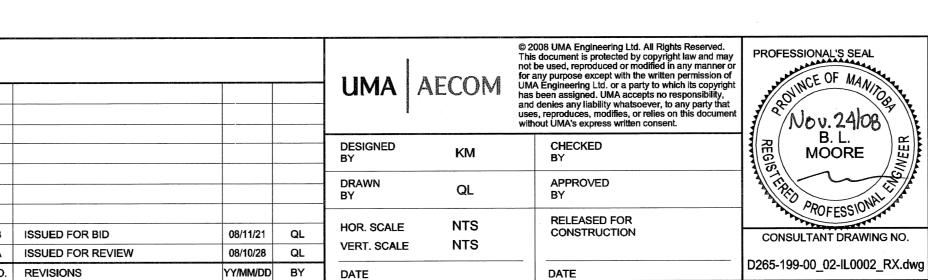


THE CITY OF WINNIPEG



APEGN Certificate of Authorization UMA Engineering Ltd. (MB) No. 256 Date: Nov. 24100

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-				DESIGNED BY
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В	ISSUED FOR BID ISSUED FOR REVIEW	08/11/21 08/10/28	QL QL	HOR. SCALE VERT. SCALE
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4TH ROW

3RD ROW

2ND ROW

NO DASH

NCE OF MAN

Nov. 24/08

MOORE

WATER AND WASTE DEPARTMENT

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

CITY DRAWING NUMBER 1-0630M-A0028-002 B