

INSTRUMENT IDENTIFICATION

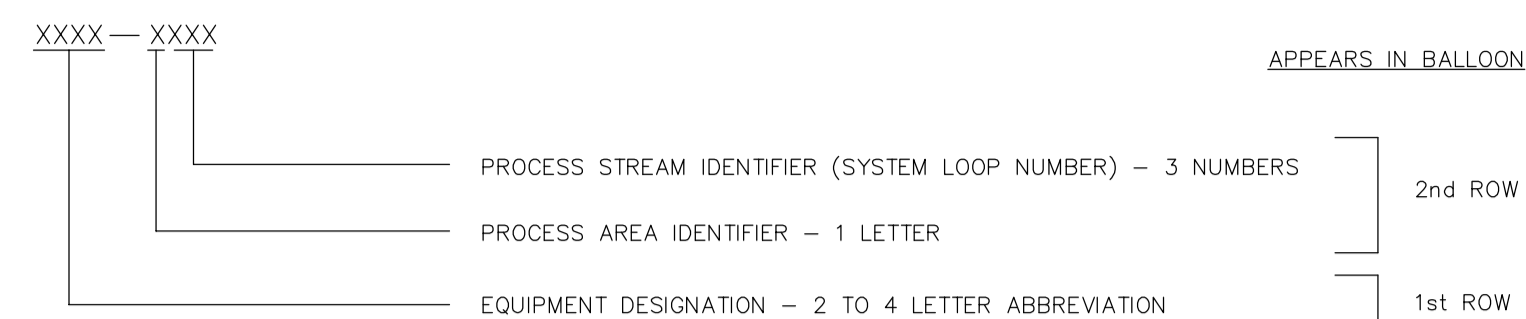
INSTRUMENT IDENTIFICATION TABLE with columns: FIRST-LETTER, MEASURED OR INITIATING VARIABLE, SUCCEEDING-LETTERS, READOUT OR PASSIVE FUNCTION, OUTPUT FUNCTION.

- NOTES: 1. IT IS EXPECTED THAT THE TYPE OF ANALYSIS BE DEFINED OUTSIDE THE TAGGING BUBBLE. 2. FIRST LETTER Y IS INTENDED FOR USE WHEN CONTROL OR MONITORING RESPONSES ARE EVENT DRIVEN...

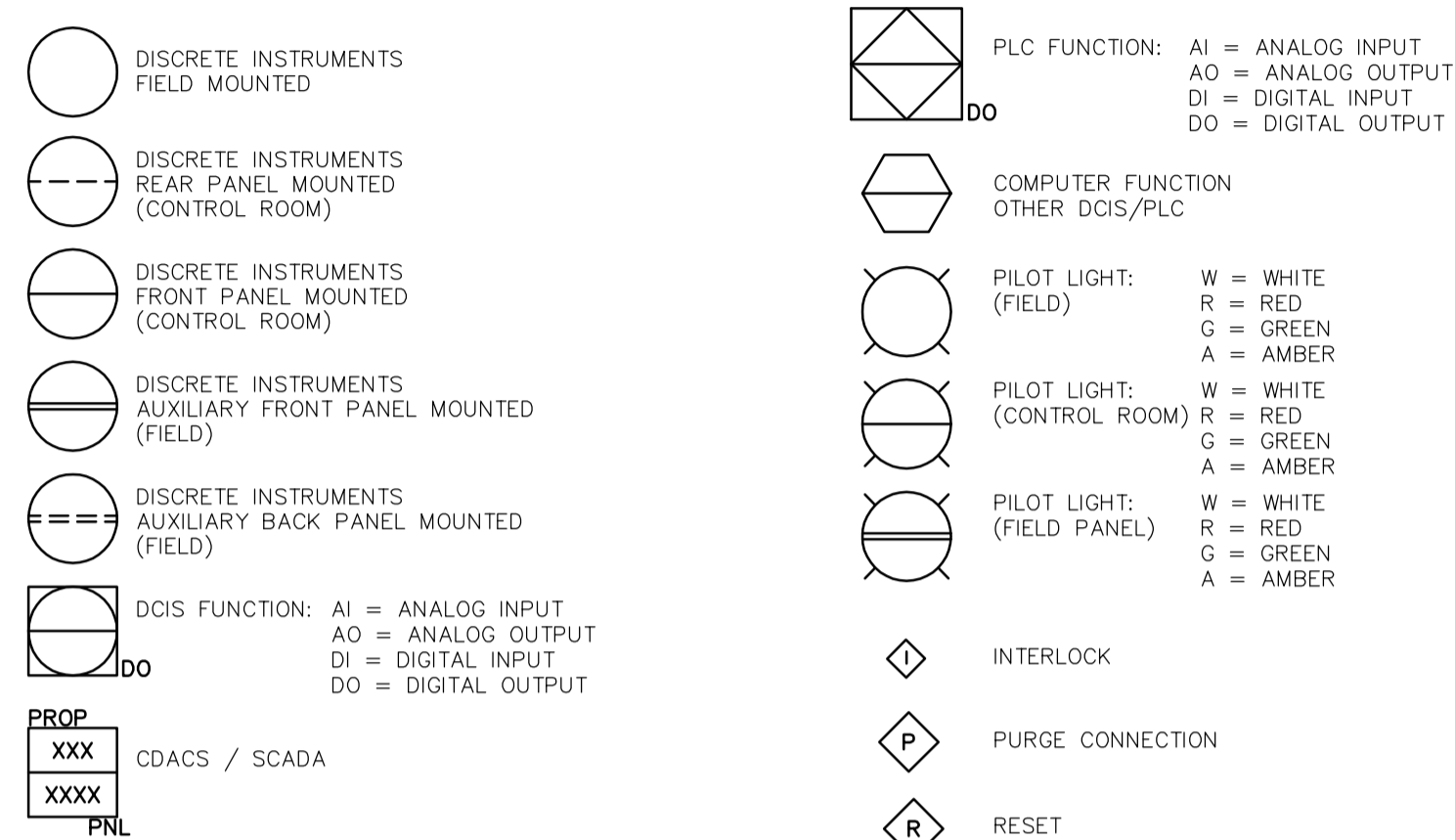
COMMON INSTRUMENT / DEVICE IDENTIFIERS table with columns: ISA IDENTIFIER, INITIATING VARIABLE AND FUNCTION.

IDENTIFICATION

EQUIPMENT IDENTIFICATION



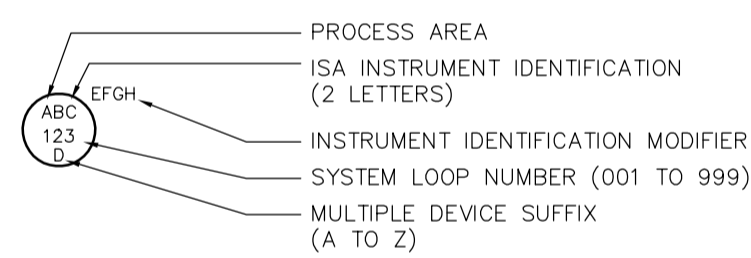
INSTRUMENT SYMBOLS



MISCELLANEOUS



INSTRUMENT DESIGNATION NUMBER



POSITION FORMATS

- 1. PROCESS AREA IDENTIFIER: A ADMINISTRATION, B WATER TREATMENT PLANT MAIN BUILDING, C CHEMICAL FEED, D DISINFECTION, F FILTRATION, H PLANT UTILITIES, I INLET WORKS & RW PUMPING, L FREEZE THAW LAGOONS, M GENERAL PLANT SERVICES/ MISCELLANEOUS, O OZONE, P FLOCCULATION AND DAF, R RESIDUALS HANDLING, S BULK CHEMICAL STORAGE, T TREATED WATER & STORAGE, U ULTRAVIOLET LIGHT DISINFECTION, Y YARD PIPING. 4. PROCESS STREAM IDENTIFIER (SYSTEM LOOP NUMBER) - 3 DIGITS: 001 TO 059 FREEZE THAW LAGOONS, 060 TO 079 ULTRAVIOLET LIGHT DISINFECTION, etc.

NOTE: A UNIQUE PROCESS STREAM IDENTIFIER SHALL BE ASSIGNED TO EACH PARTICULAR MAJOR PIECE OF EQUIPMENT. THIS PROCESS STREAM IDENTIFIER SHALL THEN BE USED FOR THE PROCESS LINE AND ALL INSTRUMENTATION ASSOCIATED WITH THAT PIECE OF EQUIPMENT.

ABBREVIATIONS

INSTRUMENT IDENTIFICATION MODIFIER

Table of Instrument Identification Modifiers: CAH CONDUCTIVITY ALARM HIGH, DO DISSOLVED OXYGEN, D/P DIFFERENTIAL PRESSURE, FAH FLOW ALARM HIGH, etc.

PROCESS LINE CODES

COMMODITY

Table of Commodity Codes: AA AQUA AMMONIA, AGA ATOMIZING AIR, AS AIR SCOUR, BCT BOILER CHEMICAL TREATMENT, etc.

MISCELLANEOUS

ABBREVIATIONS

Table of Miscellaneous Abbreviations: ACK ACKNOWLEDGE, ALM ALARM, A/M AUTO/MANUAL, A/S AIR SUPPLY, CURR CURRENT, etc.

EQUIPMENT DESIGNATIONS

Table of Equipment Designations: ARV AIR RELEASE VALVE, AB AIR BLOWER, ACU AIR CONDITIONING UNIT, AD AIR DRYER, AHU AIR HANDLING UNIT, etc.

FOR INFORMATION ONLY - NOT IN CONTRACT

Project information block including logos for CH2M HILL, EarthTech, Winnipeg Water and Waste Department, and drawing details like 'DESIGNED BY BLM', 'DRAWN BY JBC', 'CITY FILE NUMBER', 'SHEET OF', 'CITY DRAWING NUMBER'.