

PID-0-2E-1

1138-0-0-2E-1

| TITLE | EQUIPMENT CODE | SYMBOL | TITLE | EQUIPMENT CODE | SYMBOL | TITLE | EQUIPMENT CODE | SYMBOL | TITLE | EQUIPMENT CODE | SYMBOL |
|--|----------------|--------|---|----------------|--------|---|----------------|--------|------------------------------------|----------------|--------|
| (LUBRICATOR) | DIFF | | (RAIN-NOLE) | FTD | | LINKED VALVE | | | EQUIPMENT DRAIN (OPEN END) | ED | |
| (SCREEN OPENING) | SO | | (THERMAL SLEEVE) | FTD | | MASTER VALVE (WITH PIPES CONTROL CABINET) | | | EQUIPMENT DRAIN (CLOSED END) | ED | |
| (COMBINATION LIGHT FIXTURE & AIR DIFFUSER) | DIFF | | (DUCT TEST HOLE) | FTD | | (ROTARY GATE) | DATE | | FLOOR DRAIN | DFD | |
| HEATING AND VENTILATION UNIT (FORAM THROUGH) | HVU | | (FLEXIBLE BALL JOINT) | | | (SELECTOR VALVE WITH PIPES CONTROL CABINET) | | | (DISSIPILAR MELO AT CLASS CHANGE) | | |
| HEATING AND VENTILATION UNIT (FORAM THROUGH) | HVU | | (SMALL HYDRANT OR STANDEE) | | | PUSH BUTTON | | | (DISSIPILAR MELO AT VESSEL NOZZLE) | | |
| AIR CONDITIONING UNIT (FORAM THROUGH) | ACU | | HYDRANT | FHY | | SAFETY SHOWER AND EYEWASH | SSH | | (LINE) MIXER | | |
| AIR CONDITIONING UNIT (FORAM THROUGH) | ACU | | (HOSE HOUSE WITH HYDRANT) | FHY | | LOCKOUT | | | AIR SEPARATOR | ASP | |
| AIR CONDITIONING UNIT (FORAM THROUGH) | ACU | | HOSE RACK | HY | | SHOWER | SSH | | FLAME ARRESTOR | AF | |
| (SOUND TRAP) | TRP | | FIRE HOSE REEL | FHR | | SAFETY EYE WASH | SEW | | MAGNETIC SEPARATOR | SP | |
| (DOUBLE DUCT MIXING BOX) | RIXB | | DELUGE VALVE, PREACTION VALVE, OR CONTROLLED FLOW VALVE | | | LAVATORY | LAV | | DRINKING WATER COOLER | DWC | |
| (SINGLE DUCT MIXING BOX) | RIXB | | ALARM CHECK VALVE | | | DRINKING WATER COOLER | DWC | | SPRAY HEAD OR SPRINKLER | | |
| (WITH EFFICIENCY PARTICULATE AIR FILTER) | FLT | | FLOW DETECTION (VANG TYPE) | | | POST INDICATOR BALL VALVE | | | POST INDICATOR BUTTERFLY VALVE | | |
| CHILLER, MECHANICAL REFRIGERATION UNIT (SQUID) | CHL | | (POST INDICATOR BUTTERFLY VALVE) | | | POST INDICATOR VALVE | | | (CURB BOX) | | |
| CHILLER, MECHANICAL REFRIGERATION UNIT | CHL | | CONDENSER | | | URINAL | URN | | WATER CLOSET (FLOOR) | WC | |
| CHILLER, MECHANICAL REFRIGERATION UNIT | CHL | | COMPRESSOR | | | WATER CLOSET (SMALL HUNG) | WC | | SELF-CONTAINED PORTABLE TOILET | | |
| (FLANGE) | | | CONDENSER | | | ODORIZER | | | (SMOKE DETECTOR) | SD | |
| (ECCENTRIC REDUCER) | | | DETAIL "A" | | | (SMOKE DETECTOR) | SD | | (TEMPERATURE DETECTOR) | TD | |
| (CONCENTRIC REDUCER) | | | RECIPROCATING COND. OPERATOR CENTRIFUGAL COMPRESSOR LESS DETAIL "A" | | | (HORN ALARM) | | | (CO2 RELEASE) | | |
| (BLIND FLANGE) | | | | | | | | | (DISCHARGE NOZZLE) | | |

IDENTIFICATION OF NUCLEAR SAFETY RELATED FLOW PATHS, EQUIPMENT AND INSTRUMENTATION

THE METHOD OF ACCOMPLISHING THE IDENTIFICATION IS SHOWN IN THE FOLLOWING EXAMPLES:

A. MECHANICAL EQUIPMENT AND INSTRUMENTS
 NO REQUIREMENTS: FLOW PATH
 I C W S P I A
 BASED INDICATES EQUIPMENT THAT IS NOT NUCLEAR SAFETY RELATED
 ASTERISK INDICATES NUCLEAR SAFETY RELATED EQUIPMENT OVERCODING IN PARENTHESES

B. ELECTRICAL EQUIPMENT
 I E W S A C B I O Z L A J
 NO ELECTRICAL CONNECTION
 FLOW PATH "B"
 PURPLE BUS (SUPPLY BREAKER)
 ALL ELECTRICAL SYSTEM - NO FLOW DIAGRAM - ONE LINE ONLY

C. LINE DESIGNATIONS
 3 - R S E - 0 1 2 - 5 - 2 1 A - 1
 NO ELECTRICAL CONNECTIONS
 FLOW PATH "A"

NOTES:

1. WORDS, CODES OR SYMBOLS SHOWN INSIDE PARENTHESES ARE FOR INFORMATION ONLY. DO NOT INCLUDE ON PIPING & INSTRUMENTATION DIAGRAMS.

CABLE MARKING FOR SAFETY RELATED SYSTEMS

| DIVISION | SUBCHANNEL | COLOR |
|----------|------------|--------|
| 1 | 1 | GREEN |
| 1 | 2 | ORANGE |
| 1 | 1 | YELLOW |
| 1 | 2 | BLUE |
| 1 | 1 | PURPLE |
| 1 | 2 | BROWN |

MECHANICAL FLOW PATHS FOR SAFETY RELATED SYSTEMS

A - INDICATES FLOW PATH A
 B, C, D - INDICATES IDENTICAL REDUNDANT FLOW PATHS CORRESPONDING TO A
 X - DEFINED AS A SINGLE OR COMMON FLOW PATH CONNECTING TWO OR MORE REDUNDANT FLOW PATHS
 Z - SYSTEMS OR PORTIONS OF SYSTEMS WHICH CONSIST OF A SINGLE FLOW PATH OR TWO IDENTICALLY REDUNDANT FLOW PATHS
 J - SYSTEMS WHICH CONSIST OF A SINGLE FLOW PATH AND ARE FUNCTIONALLY REDUNDANT TO ANOTHER SYSTEM
 S - FLOW PATHS CONNECTING REDUNDANT PATHS TO A SPIRE.

DOCUMENT USER CONSULT DCS TO OBTAIN LATEST APPLICABLE INFORMATION

PIPING & INSTRUMENTATION DIAGRAM SYMBOLS

NINE MILE POINT NUCLEAR STATION-UNIT 2
 NIAGARA MOHAWK POWER CORPORATION
 CHESTNUT HILLS, N.Y.

| DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL |
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THIS DRAWING CREATED ELECTRONICALLY

TI APERTURE CARD

12177-P18-1-P

PDR RIDS

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