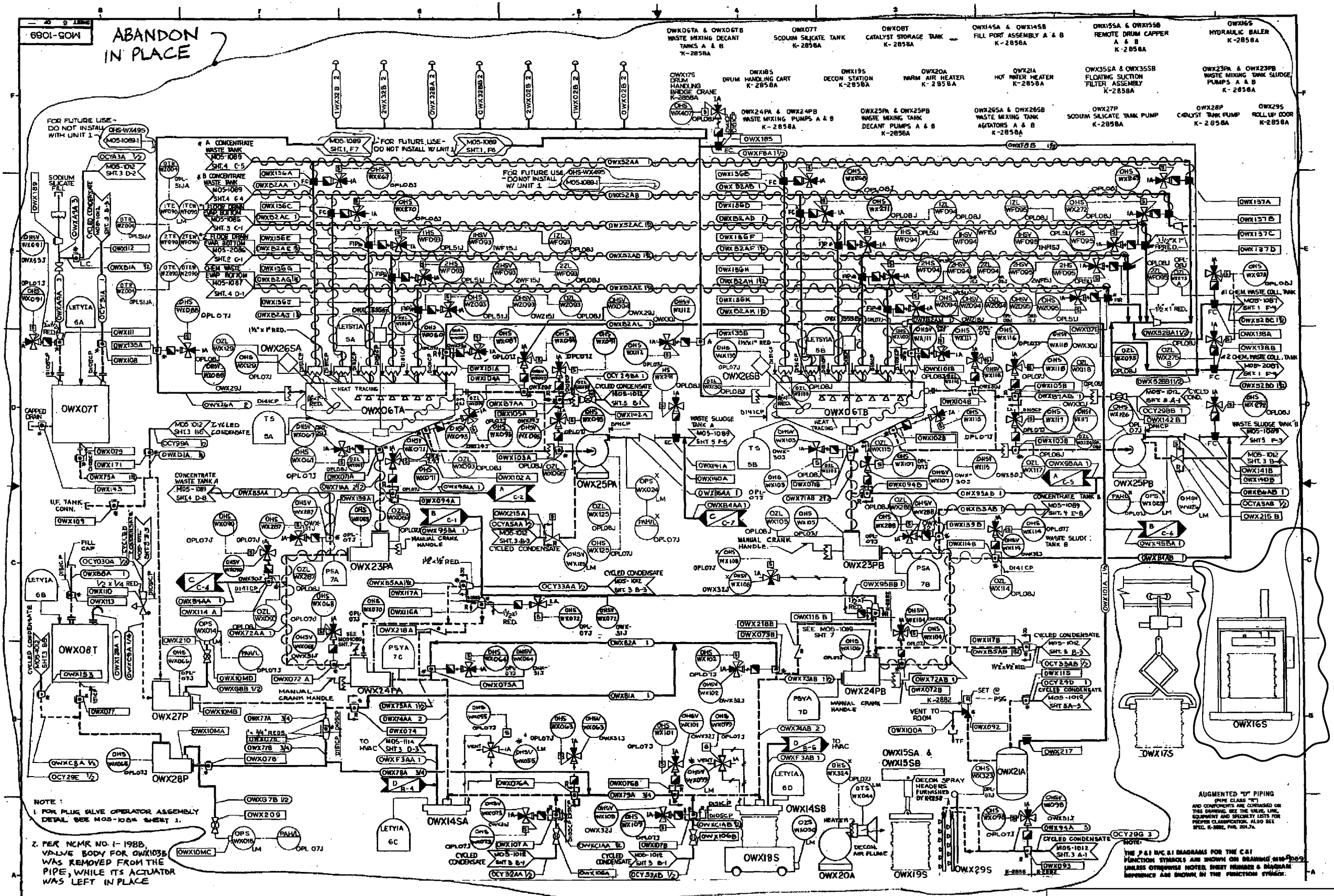
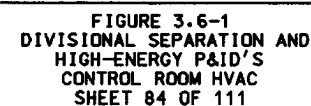
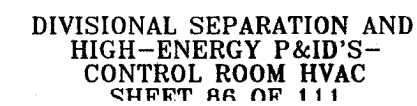


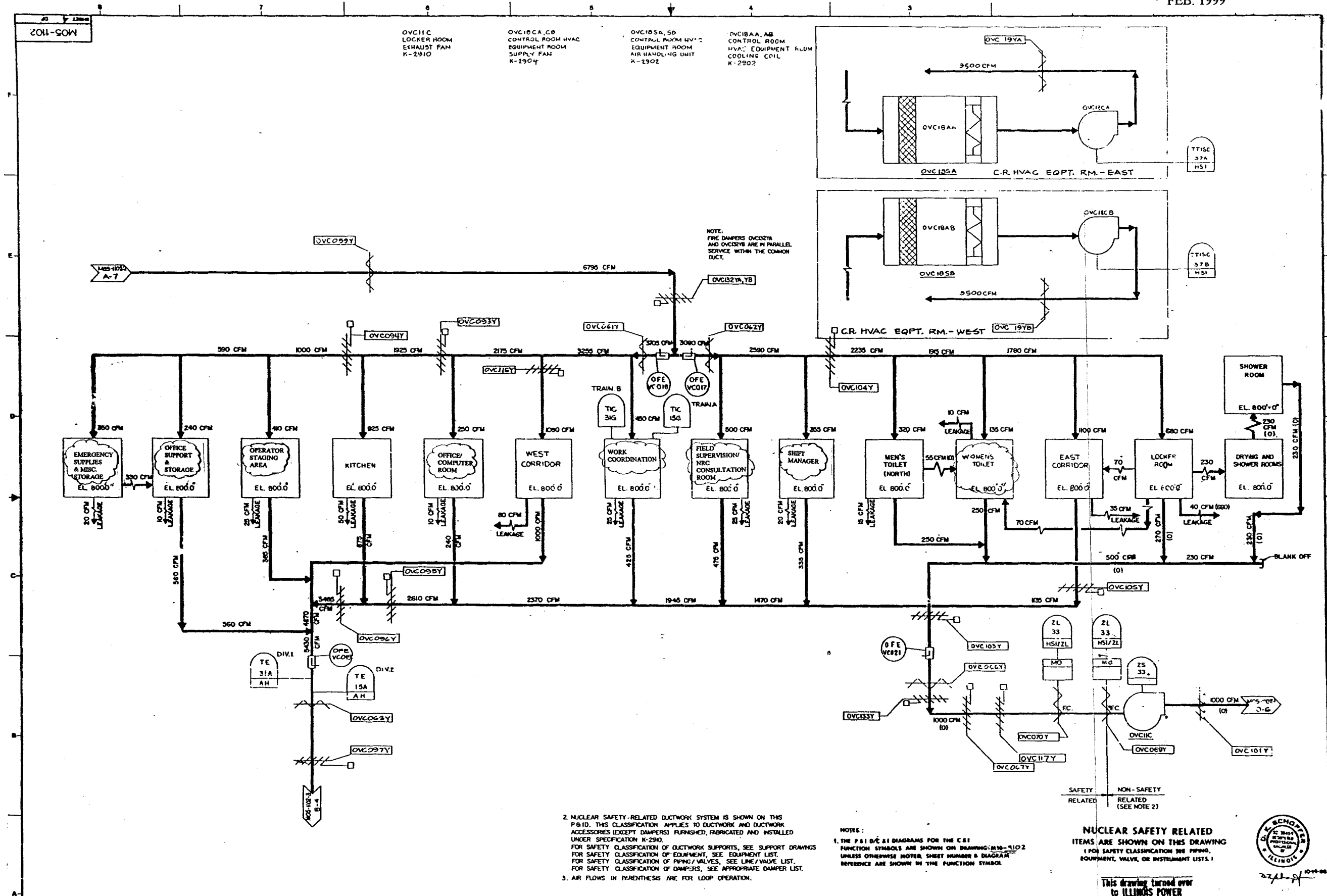


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
CONCENTRATE TANK
SHEET 83 OF 111



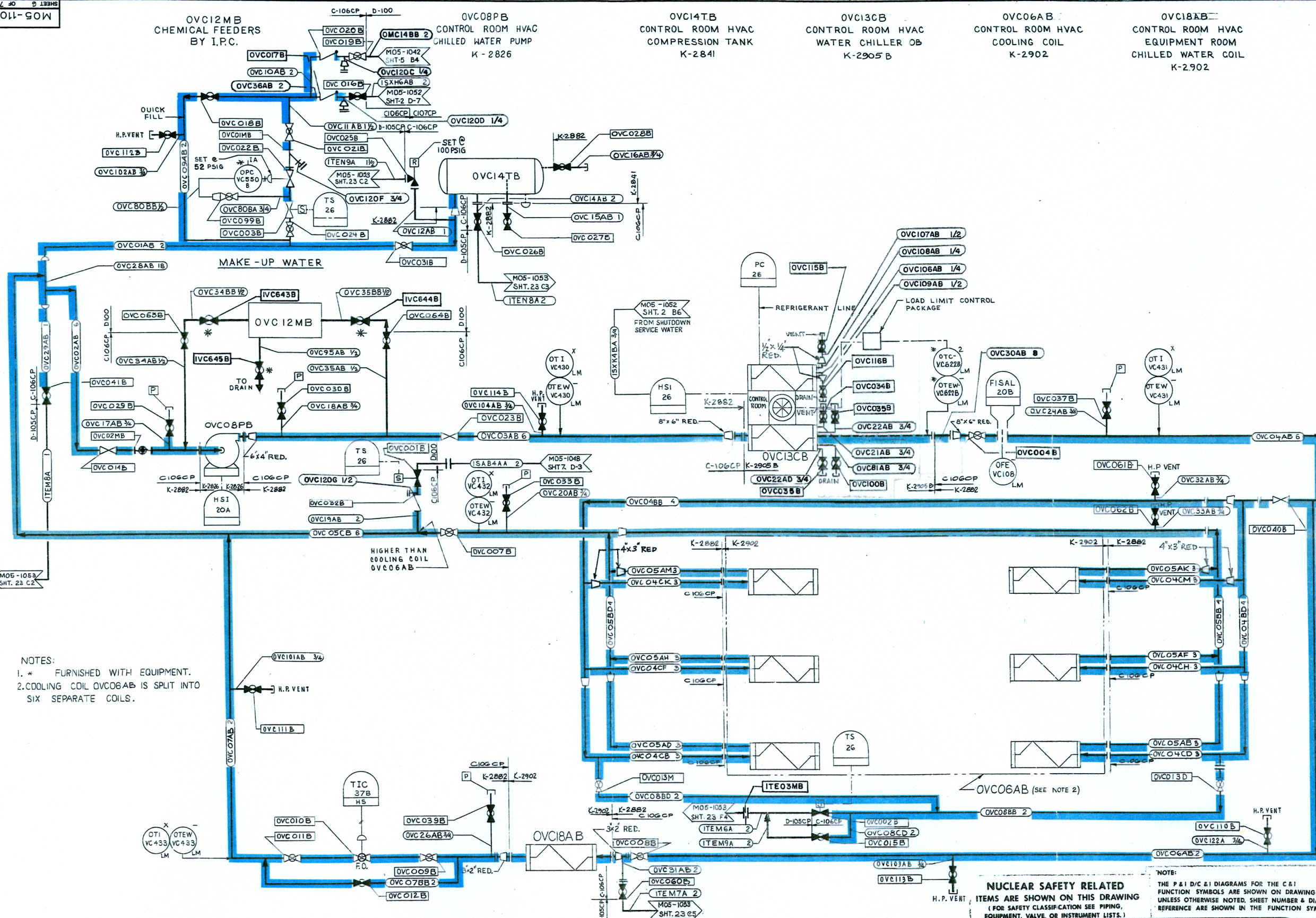




NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING
(FOR SAFETY CLASSIFICATION SEE Piping,
EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)

This drawing turned over
to ILLINOIS POWER

MOS-1102

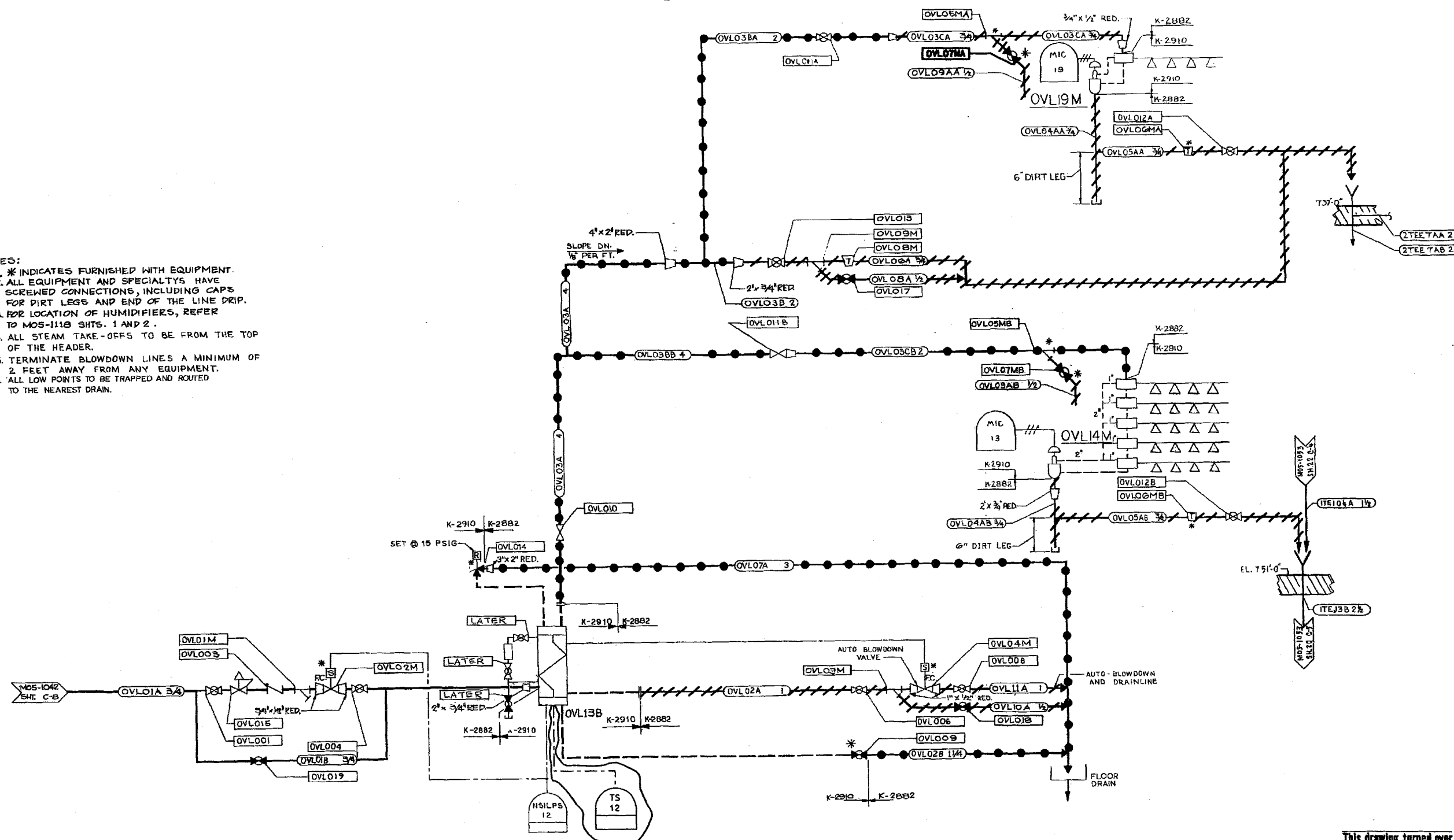
OVC12MB
CHEMICAL FEEDERS
BY I.P.C.OVC08PB
CONTROL ROOM HVAC
CHILLED WATER PUMP
K-2826OVC14TB
CONTROL ROOM HVAC
COMPRESSION TANK
K-2841OVC13CB
CONTROL ROOM HVAC
WATER CHILLER OB
K-2905BOVC06AB
CONTROL ROOM HVAC
COOLING COIL
K-2902OVC18AB
CONTROL ROOM HVAC
EQUIPMENT ROOM
CHILLED WATER COIL
K-2902CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORTFIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
CONTROL ROOM HVAC
SHEET 89 OF 111

CLINTON POWER STATION
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REVISION 8
MARCH 1998

NOTES:

1. * INDICATES FURNISHED WITH EQUIPMENT.
2. ALL EQUIPMENT AND SPECIALTYS HAVE SCREWED CONNECTIONS, INCLUDING CAPS FOR DIRT LEGS AND END OF THE LINE DRIP.
3. FOR LOCATION OF HUMIDIFIERS, REFER TO MOS-1118 SHTS. 1 AND 2.
4. ALL STEAM TAKE-OFFS TO BE FROM THE TOP OF THE HEADER.
5. TERMINATE BLOWDOWN LINES A MINIMUM OF 2 FEET AWAY FROM ANY EQUIPMENT.
6. ALL LOW POINTS TO BE TRAPPED AND ROUTED TO THE NEAREST DRAIN.



**This drawing turned over
to ILLINOIS POWER —**

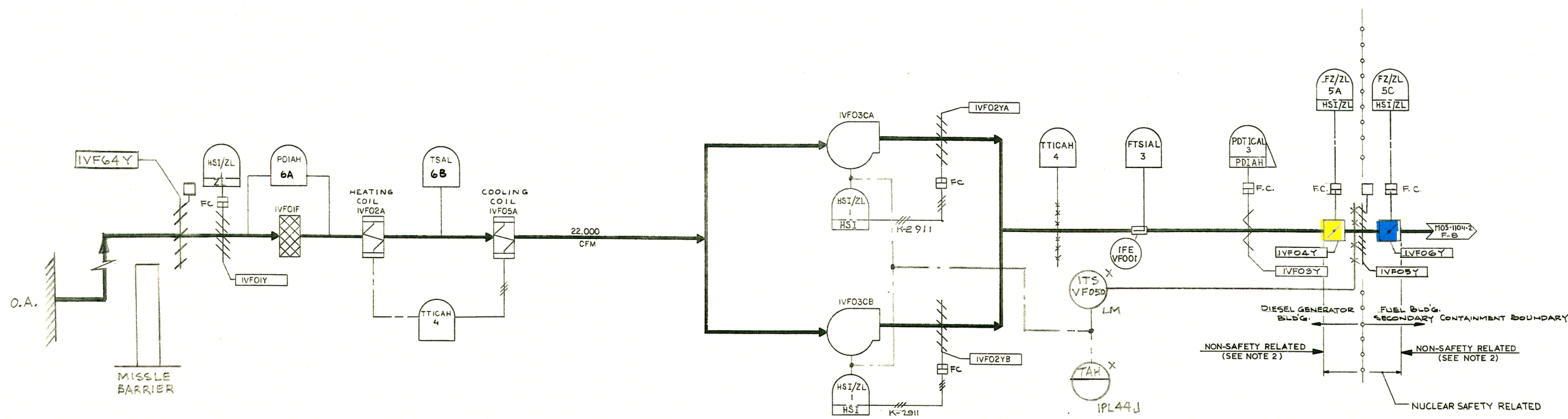
NOTE:
THE P & I D/C & I DETAILS FOR THE C & I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-9118
UNLESS OTHERWISE NOTED. SHEET NUMBER & DETAIL
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

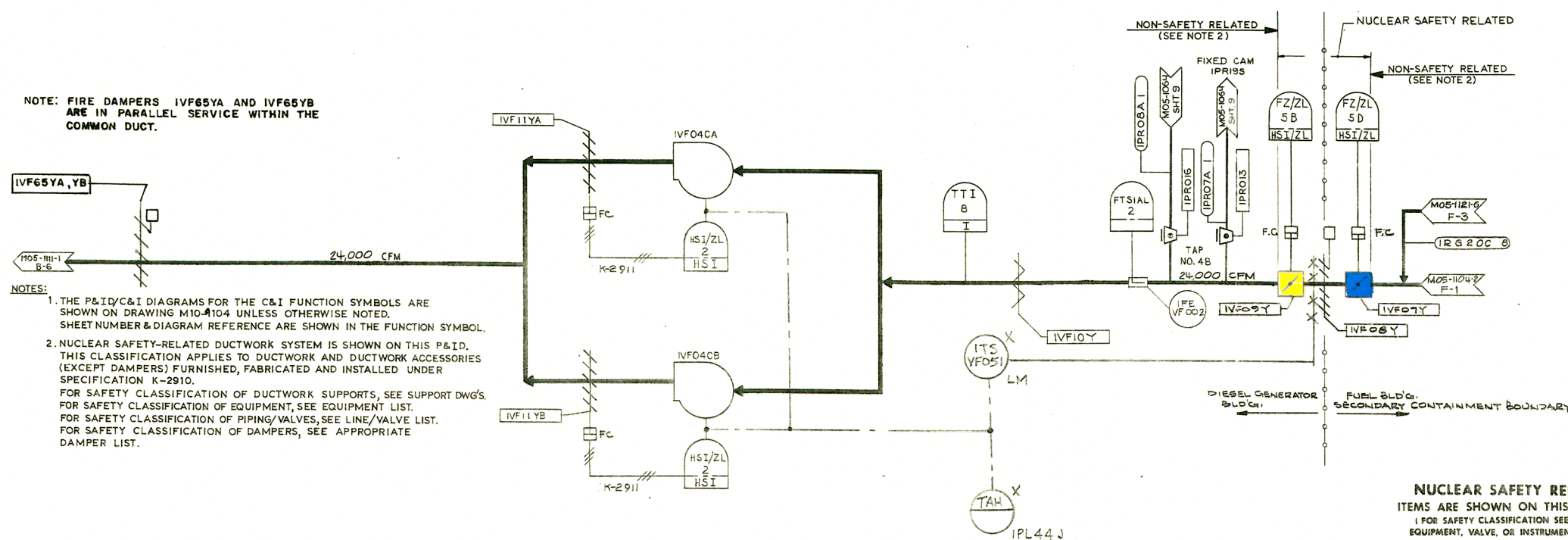
FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S
LABORATORY AND COUNTING ROOM HVAC
SHEET 90A OF 111



FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
DIESEL GENERATOR ROOM VENTILATION
SHEET 91 OF 111



NOTE: FIRE DAMPERS IVF65YA AND IVF65YB
ARE IN PARALLEL SERVICE WITHIN THE
COMMON DUCT.



NOTES:

1. THE P&ID/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-#104 UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.
2. NUCLEAR SAFETY-RELATED DUCTWORK SYSTEM IS SHOWN ON THIS P&ID. THIS CLASSIFICATION APPLIES TO DUCTWORK AND DUCTWORK ACCESSORIES (EXCEPT DAMPERS) FURNISHED, FABRICATED AND INSTALLED UNDER SPECIFICATION K-2910.
FOR SAFETY CLASSIFICATION OF DUCTWORK SUPPORTS, SEE SUPPORT DWG'S.
FOR SAFETY CLASSIFICATION OF EQUIPMENT, SEE EQUIPMENT LIST.
FOR SAFETY CLASSIFICATION OF PIPING/VALVES, SEE LINE/VALVE LIST.
FOR SAFETY CLASSIFICATION OF DAMPERS, SEE APPROPRIATE DAMPER LIST.

**NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING
(FOR SAFETY CLASSIFICATION SEE PIPING,
EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)**

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FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
FUEL BUILDING HVAC
SHEET 92 OF 111

1011-SOW

OVGOISA & OVGOISB
STANDBY GAS TREATMENT SYSTEM
EQUIPMENT TRAINS A & B
K-2900

OVGO2CA & OVGO2CB
STANDBY GAS TREATMENT SYSTEM
FANS A & B
K-2900

OVGO3CA & OVGO3CB
STANDBY GAS TREATMENT SYSTEM
STANDBY COOLING AIR FANS A & B
K-2900

OVGO4AA & OVGO4AB
STANDBY GAS TREATMENT SYSTEM
ELECTRIC HEATERS A & B
K-2900

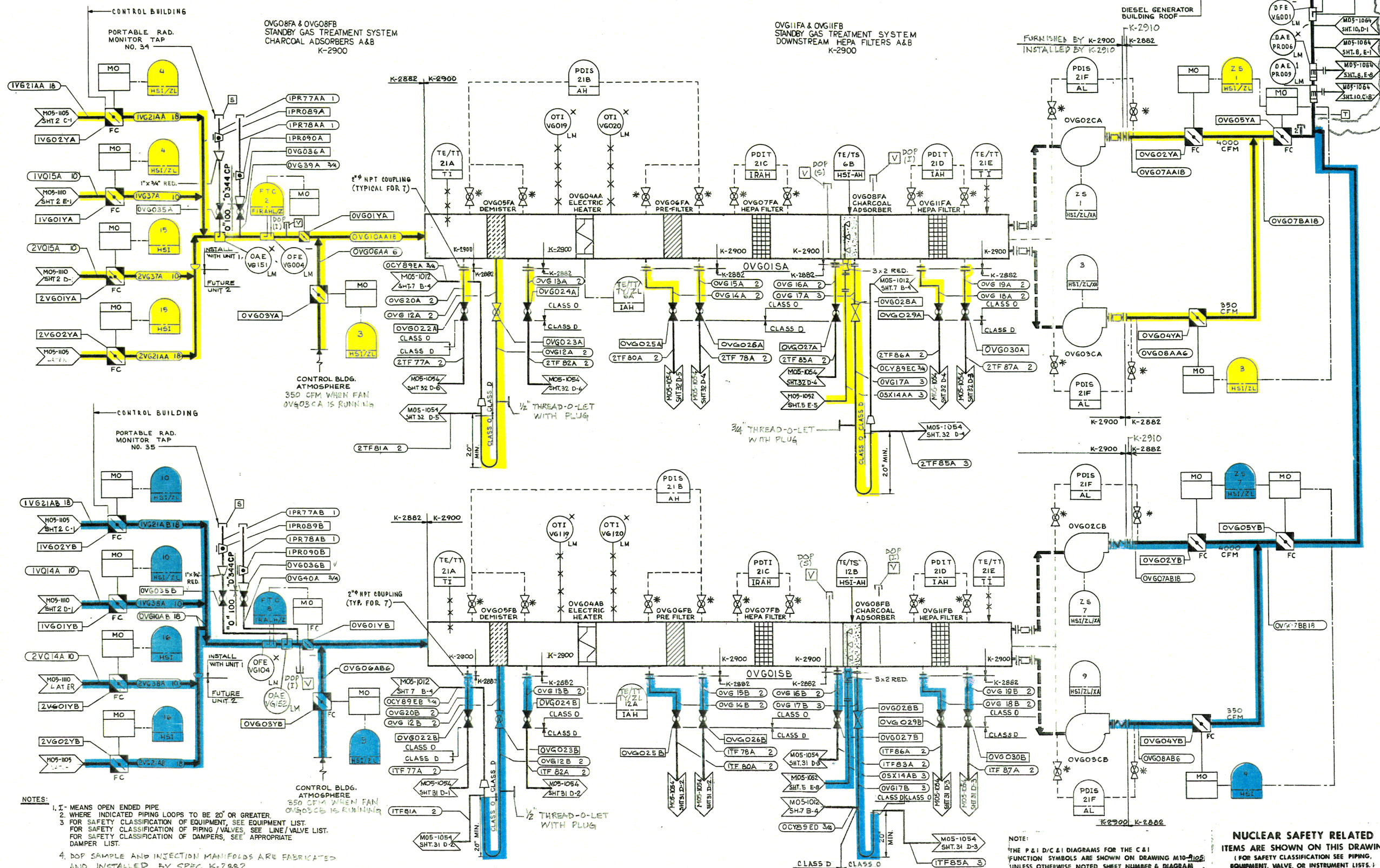
OVGO5FA & OVGO5FB
STANDBY GAS TREATMENT SYSTEM
DEMISTERS A & B
K-2900

OVGO6FA & OVGO6FB
STANDBY GAS TREATMENT SYSTEM
PRE-FILTERS A & B
K-2900

OVGO7FA & OVGO7FB
STANDBY GAS TREATMENT SYSTEM
UP STREAM HEPA FILTERS A & B
K-2900

COMMON
STATION VENT
DIESEL GENERATOR
BUILDING ROOF

OVGO9A 18
FT-UITX
2.5



NOTES:
1. I - MEANS OPEN ENDED PIPE
2. WHERE INDICATED PIPING LOOPS TO BE 20' OR GREATER.
3. FOR SAFETY CLASSIFICATION OF EQUIPMENT, SEE EQUIPMENT LIST.
FOR SAFETY CLASSIFICATION OF PIPING/VALVES, SEE LINE/VALVE LIST.
FOR SAFETY CLASSIFICATION OF DAMPERS, SEE APPROPRIATE
DAMPER LIST.
4. DOP SAMPLE AND INJECTION MANIFOLDS ARE FABRICATED
AND INSTALLED BY SPEC K-2882.

NOTE:
THE P&ID/C&I DIAGRAMS FOR THE C&I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-105
UNLESS OTHERWISE NOTED, SHEET NUMBER & DIAGRAM
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOLS.

**NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING
(FOR SAFETY CLASSIFICATION SEE PIPING,
EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)**

**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S
STANDBY GAS TREATMENT SYSTEM
SHEET 93 OF 111

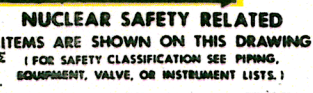
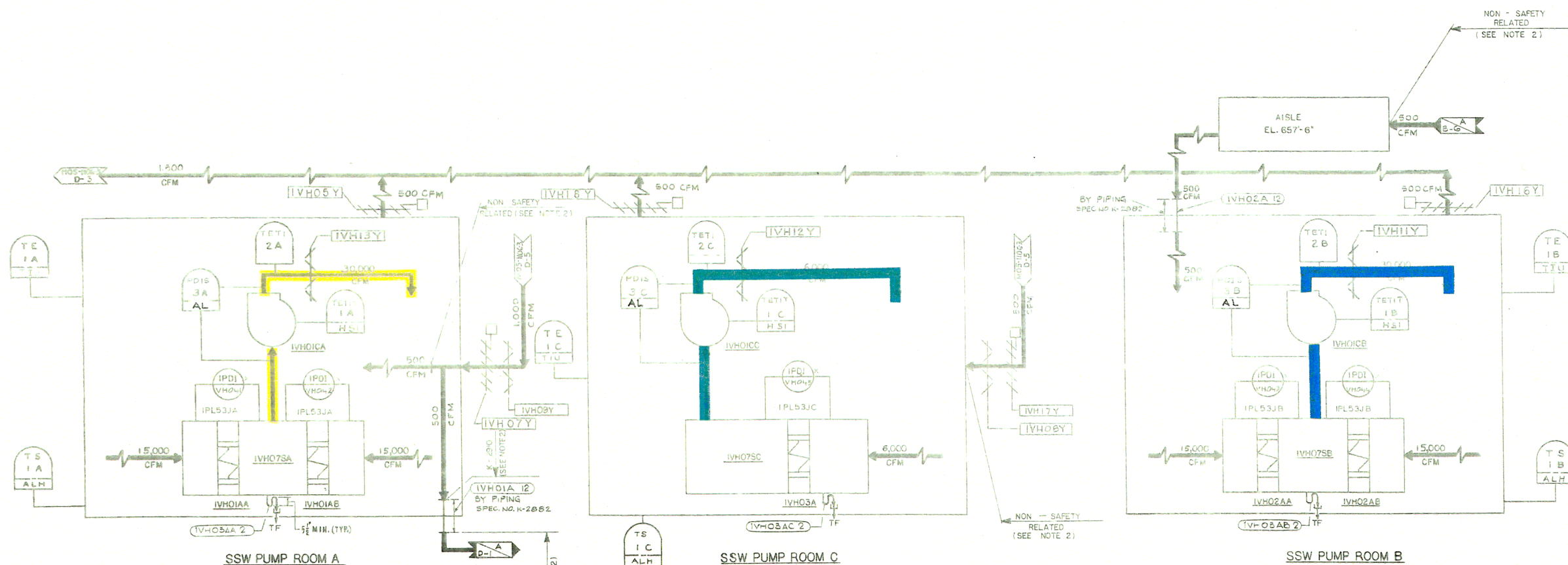


FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
STANDBY GAS TREATMENT SYSTEM
SHEET 94 OF 111

M05-1106

IVHO1CA
SSW PUMP
ROOM A
SUPPLY FAN
K-2904IVHO1AA,B
SSW PUMP
ROOM A
COOLING COILS
K-2902IVHO1CC
SSW PUMP
ROOM C
SUPPLY FAN
K-2904IVHO3A
SSW PUMP
ROOM C
COOLING COIL
K-2902IVHO7SA
SSW PUMP
ROOM A
COIL CABINET
K-2902IVHO7SB
SSW PUMP
ROOM B
COIL CABINET
K-2902IVHO7SC
SSW PUMP
ROOM C
COIL CABINET
K-2902IVHO1CB
SSW PUMP
ROOM B
SUPPLY FAN
K-2904IVHO2AA,B
SSW PUMP
ROOM B
COOLING COILS
K-2902

NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING
(FOR SAFETY CLASSIFICATION SEE PIPING,
EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)

- NOTES:**
- 1 THE P&ID/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-9106 UNLESS OTHERWISE NOTED SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.
 - 2 NUCLEAR SAFETY-RELATED DUCTWORK SYSTEM IS SHOWN ON THIS P&ID. THIS CLASSIFICATION APPLIES TO DUCTWORK AND DUCTWORK ACCESSORIES (EXCEPT DAMPERS) FURNISHED, FABRICATED AND INSTALLED UNDER SPECIFICATION K-2900. FOR SAFETY CLASSIFICATION OF DUCTWORK SUPPORTS, SEE SUPPORT DRAWINGS. FOR SAFETY CLASSIFICATION OF EQUIPMENT, SEE EQUIPMENT LIST. FOR SAFETY CLASSIFICATION OF PIPING/VALVES SEE LINE/VALVE LIST. FOR SAFETY CLASSIFICATION OF DAMPERS, SEE APPROPRIATE DAMPER LIST.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
SHUTDOWN SERVICE WATER VENTILATION
SHEET 95 OF 111

IVP02SA, SC
DRYWELL COOLING SYSTEM
COIL CABINETS 1A, 1C
K-2902

IVP03PA
DRYWELL CHILLED
WATER PUMP 1A
K-2825

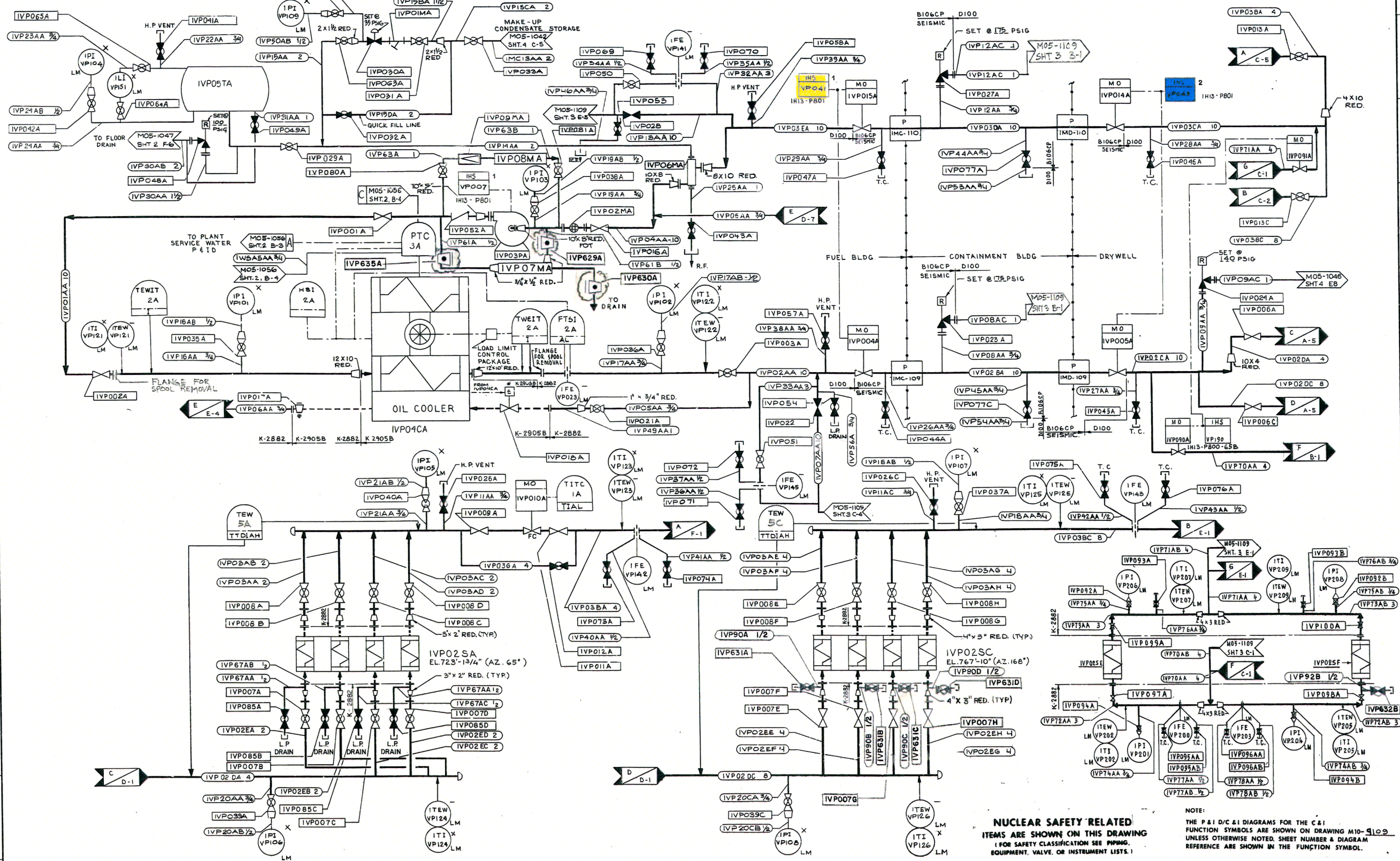
IVP04CA
DRYWELL CHILLED WATER
CHILLER 1A
K-2905B

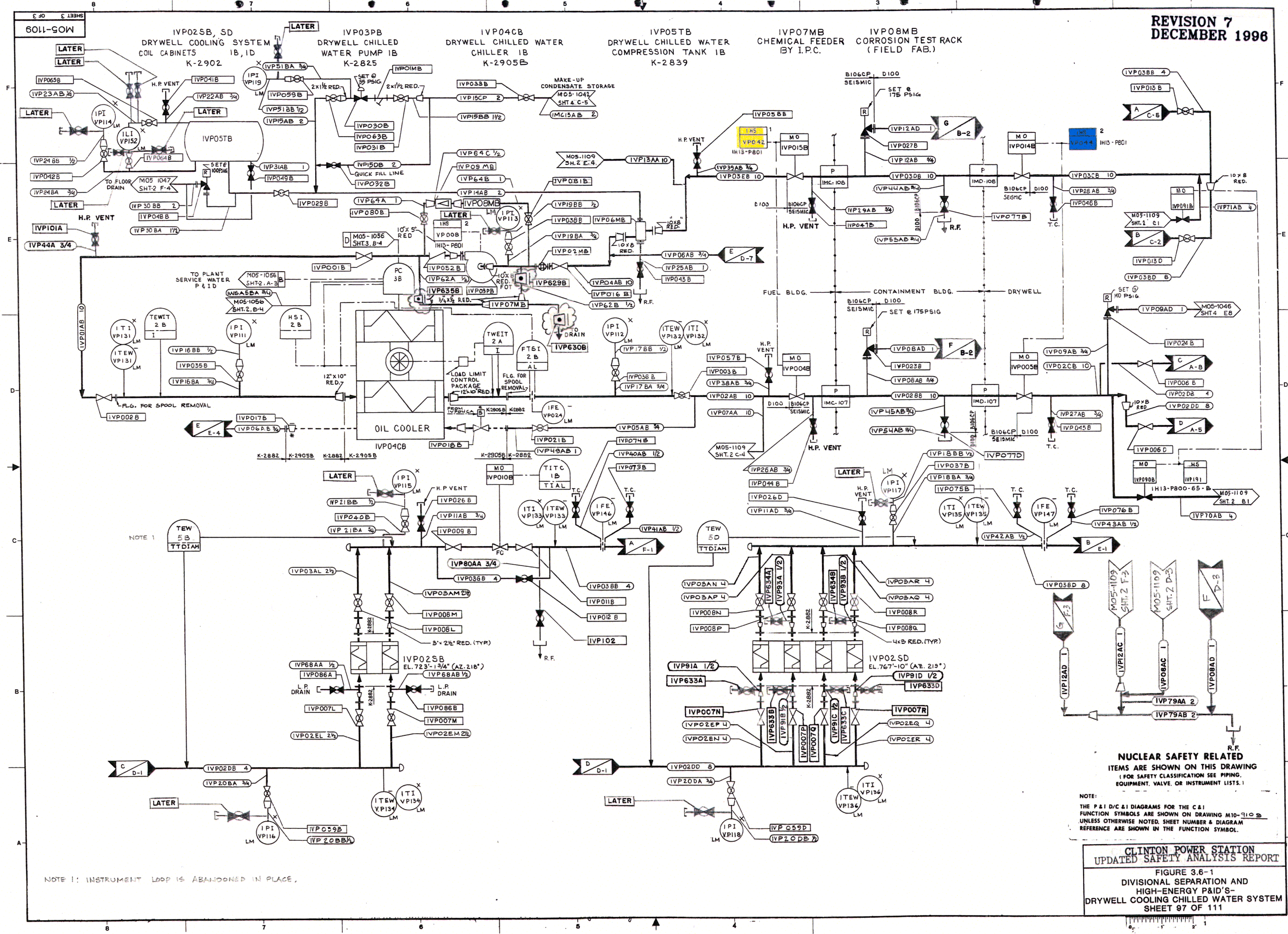
IVP05TA
DRYWELL CHILLED WATER
COMPRESSION TANK 1A
K-2839

IVP07MA
CHEMICAL FEEDER
BY I.P.C.

IVP08MA
CORROSION TEST RACK
(FIELD FAB.)

IVP02SE, SF
DRYWELL COOLING
SYSTEM COIL CABINETS
K-2902





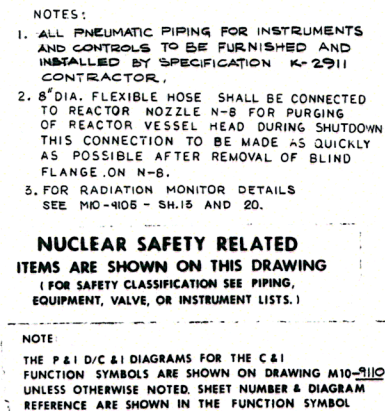
NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING
(FOR SAFETY CLASSIFICATION SEE PIPING,
EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)

NOTE:
THE P&ID/C&I DIAGRAMS FOR THE C&I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-101-9
UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

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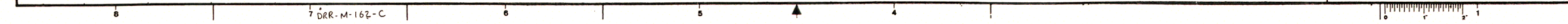
FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S
DRYWELL COOLING CHILLED WATER SYSTEM
SHEET 97 OF 111

NOTE 1: INSTRUMENT LOOP IS ABANDONED IN PLACE.



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
DRYWELL PURGE
SHEET 98 OF 111



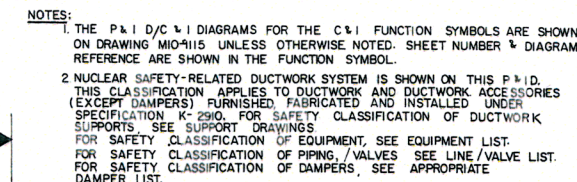
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
ESSENTIAL SWITCHGEAR HEAT REMOVAL
SHEET 100 OF 111