

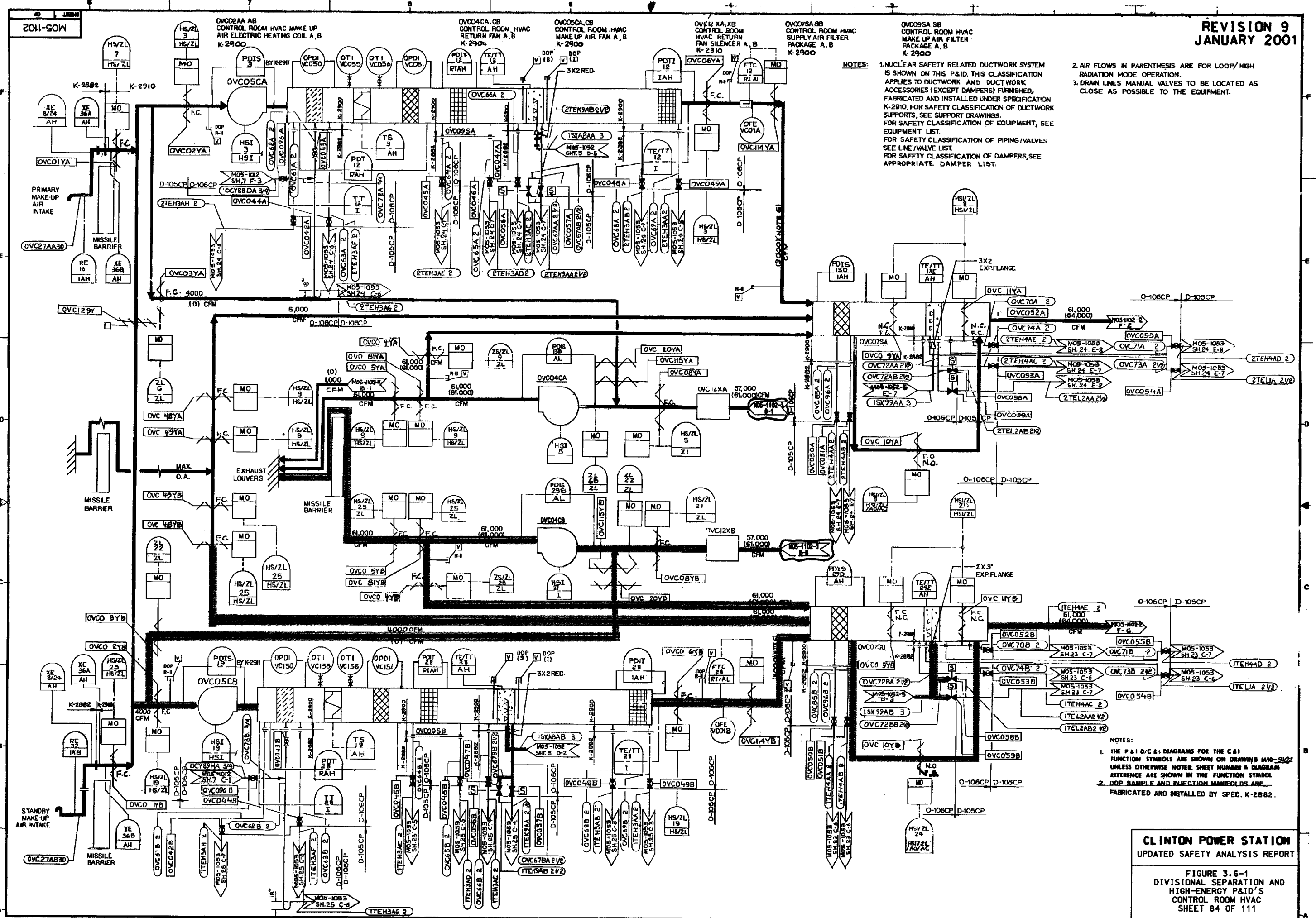
NOTE:
1. FOR PLUG VALVE OPERATOR ASSEMBLY DETAIL SEE MOS-1009 SHEET 1.
2. PER NCMR NO. I-198B, VALVE BODY FOR OWX103B WAS REMOVED FROM THE PIPE, WHILE ITS ACTUATOR WAS LEFT IN PLACE.

AUGMENTED "P" PIPING
(PIPE CLASS 70)
AND COMPONENTS ARE CONTAINED ON THIS DRAWING. SEE THE VALVE, LINE, EQUIPMENT AND SYMBOL LISTS FOR PROPER CLASSIFICATION. ALSO SEE WFLD E-2882, PAGES 201-7.

NOTE:
THE P&ID AND P&ID DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING MOS-1009. UNLESS OTHERWISE NOTED, SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOLS.

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



NOTES:
1. 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 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.

2. AIR FLOWS IN PARENTHESIS ARE FOR LOOP/HIGH RADIATION MODE OPERATION.
3. DRAIN LINES MANUAL VALVES TO BE LOCATED AS CLOSE AS POSSIBLE TO THE EQUIPMENT.

NOTES:
1. THE P&ID/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWINGS M10-2102 UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.
2. DOP SAMPLE AND INJECTION MANIFOLDS ARE FABRICATED AND INSTALLED BY SPEC. K-2882.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S
CONTROL ROOM HVAC
SHEET 84 OF 111

OVC03CA,CB
CONTROL ROOM HVAC
SUPPLY FAN A, B
K-2904

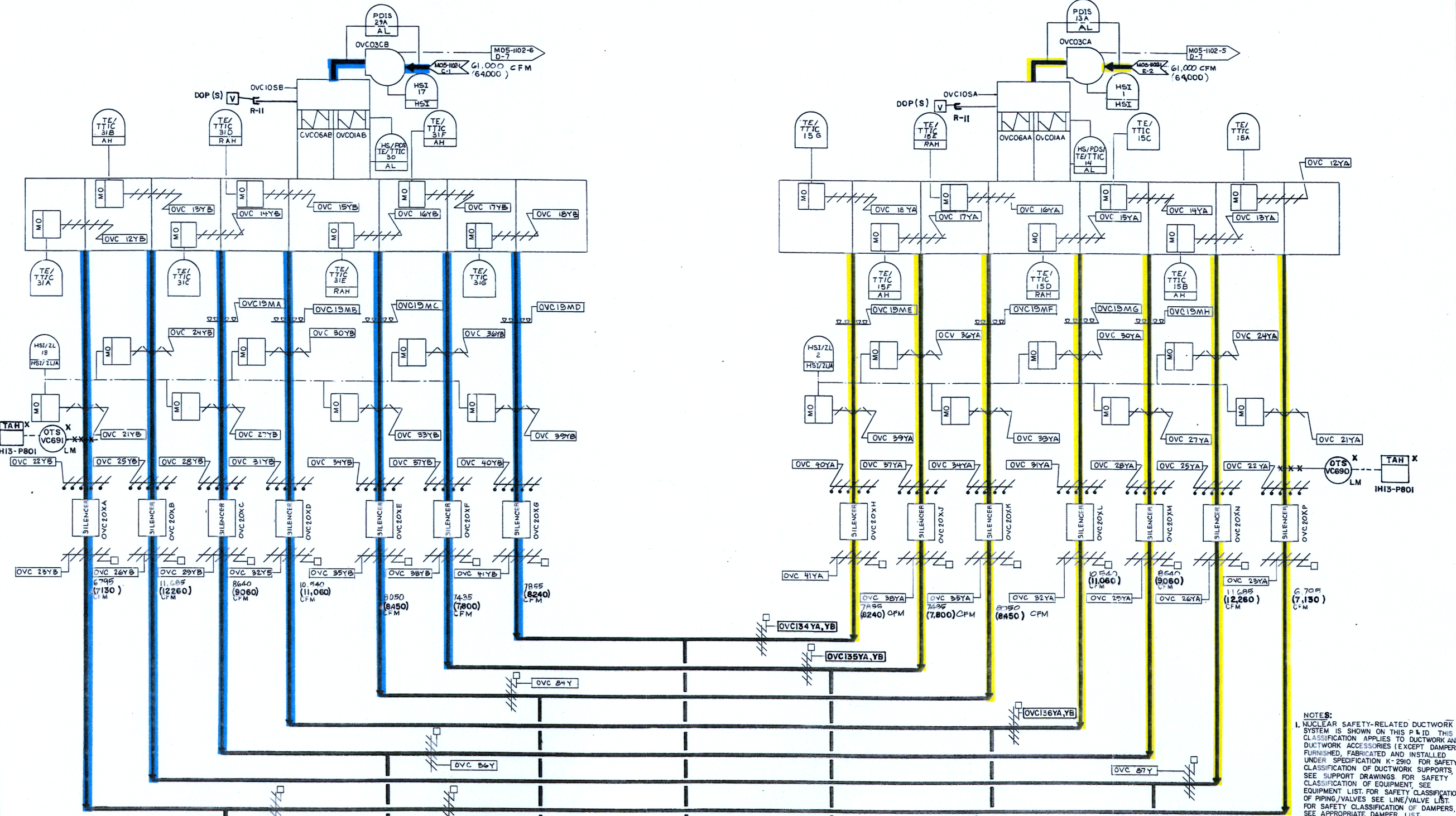
OVC01AA, AB
CONTROL ROOM HVAC
ELECTRIC HEATING COIL A, B
K-2902

OVC06AA, AB
CONTROL ROOM HVAC
COOLING COIL A, B
K-2902

OVC10SA, SB
CONTROL ROOM HVAC
AIR HANDLING UNIT A, B
K-2902

OVC 19MA, MB, MC, MD, ME, MF, MG & MH
CONTROL ROOM SYSTEM HVAC
HUMIDIFIERS
K-2910

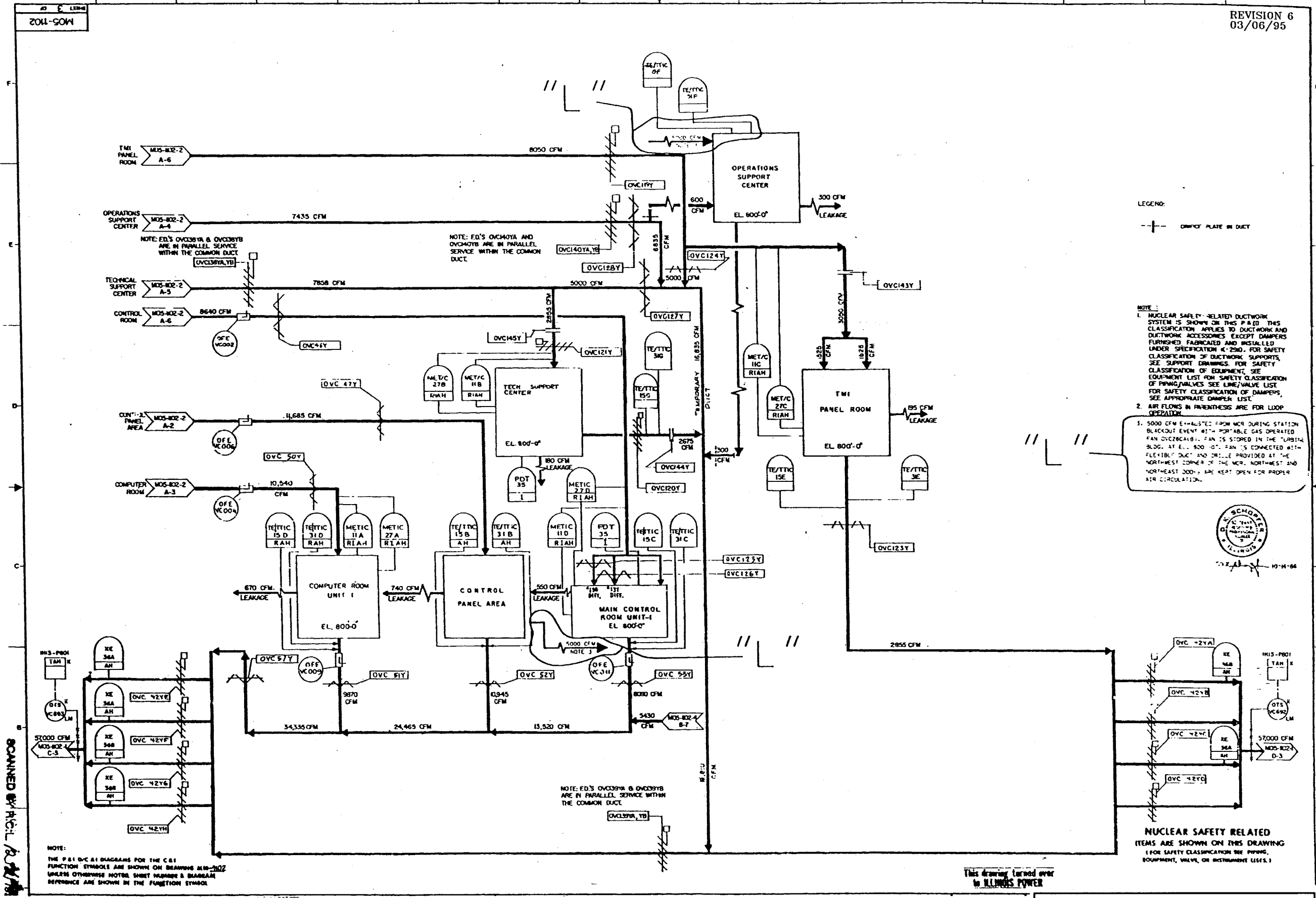
OVC20XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK,
XL, XM, XN & XP
CONTROL ROOM SILENCERS
K-2910



NOTE
THE P&ID/C&I DIAGRAMS FOR THE C&I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-2112.
UNLESS OTHERWISE NOTED, SHEET NUMBER & DIAGRAM
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

- NOTES:
1. 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 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.
 2. AIR FLOWS IN PARENTHESIS ARE FOR LOOP/HIGH RADIATION MODE OPERATION.

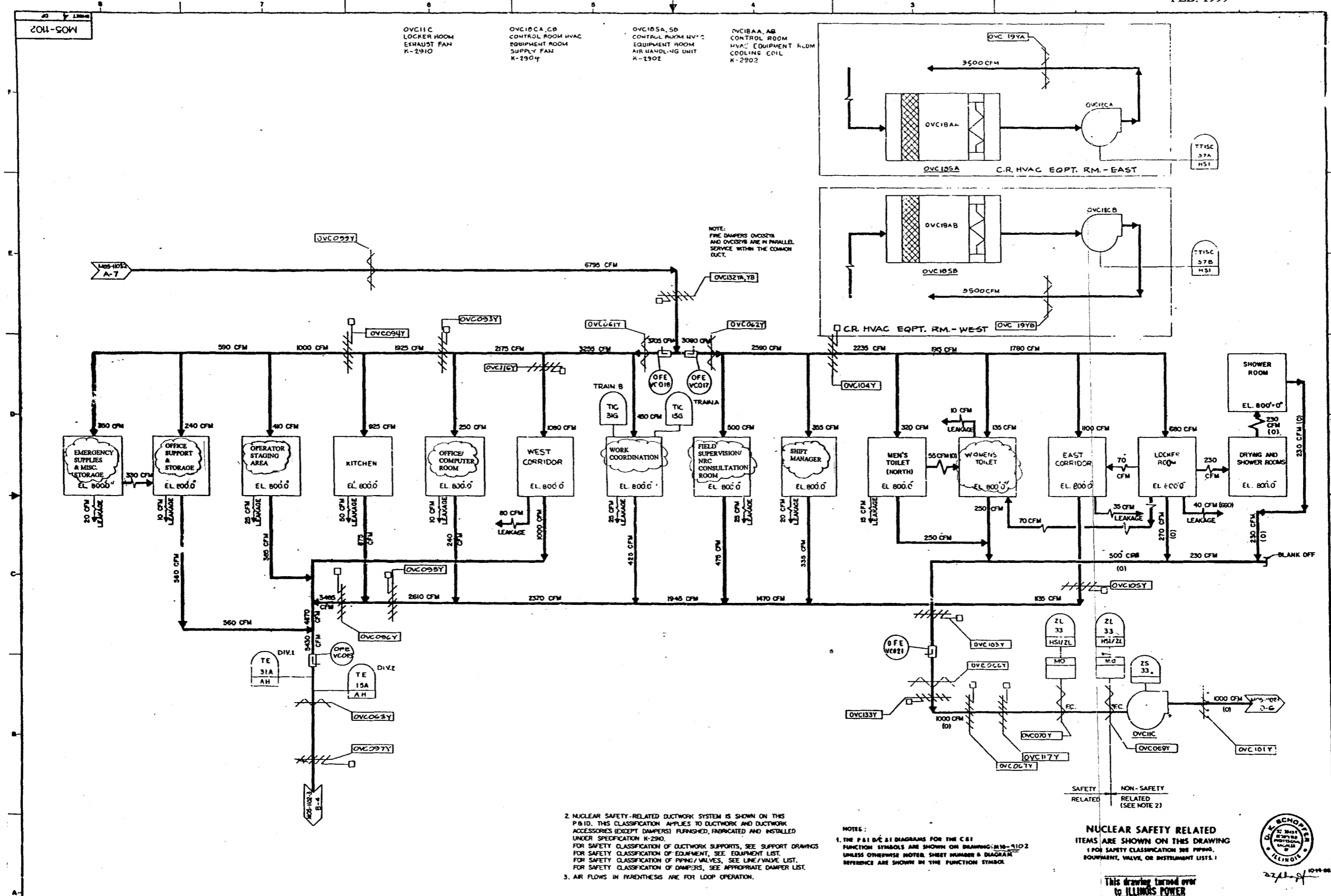
NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING
(FOR SAFETY CLASSIFICATION SEE PIPING,
EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)



This drawing turned over to ILLINOIS POWER

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
CONTROL ROOM HVAC
SHEET 86 OF 111



NOTE:
FIRE DAMPERS OVC027A
AND OVC027B ARE IN PARALLEL
SERVICE WITHIN THE COMMON
DUCT.

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 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.
3. AIR FLOWS IN PARENTHESES ARE FOR LOOP OPERATION.

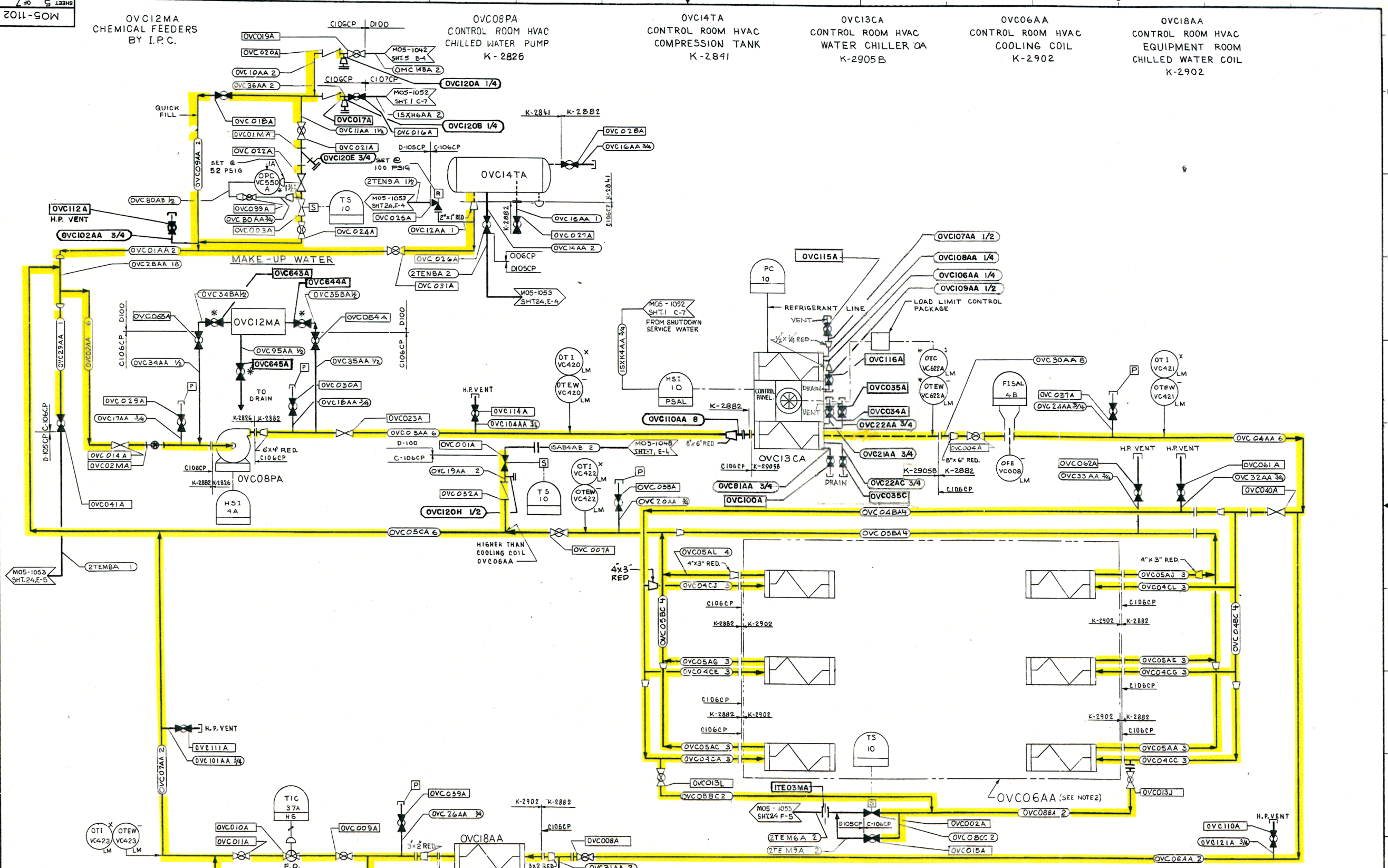
NOTES:
1. THE P&ID & P&ID DIAGRAMS FOR THE C&I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-1102
UNLESS OTHERWISE NOTED, SHEET NUMBER & DIAGRAM
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

SAFETY RELATED
NON-SAFETY RELATED (SEE NOTE 2)

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



- NOTES:
- * FURNISHED WITH EQUIPMENT.
 - COOLING COIL OVC06AA IS SPLIT INTO SIX SEPARATE COILS.

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 M10-9102
 UNLESS OTHERWISE NOTED, SHEET NUMBER & DIAGRAM
 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-
 CONTROL ROOM HVAC
 SHEET 88 OF 111

MO5-1102
SHEET 6 OF 7

OVC12MB
CHEMICAL FEEDERS
BY I.P.C.

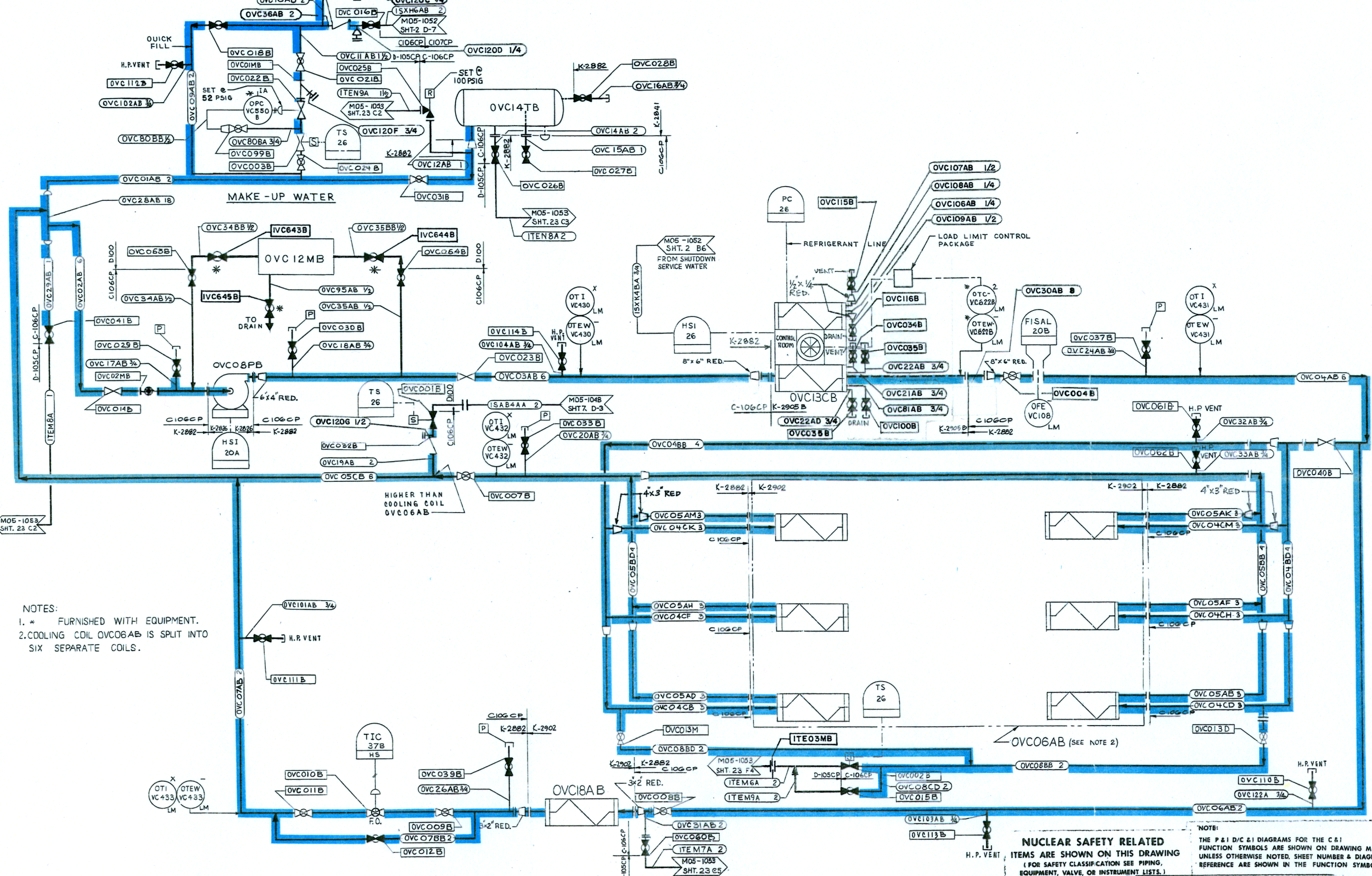
OVC08PB
CONTROL ROOM HVAC
CHILLED WATER PUMP
K-2826

OVC14TB
CONTROL ROOM HVAC
COMPRESSION TANK
K-2841

OVC13CB
CONTROL ROOM HVAC
WATER CHILLER OB
K-2905B

OVC06AB
CONTROL ROOM HVAC
COOLING COIL
K-2902

OVC18AB
CONTROL ROOM HVAC
EQUIPMENT ROOM
CHILLED WATER COIL
K-2902

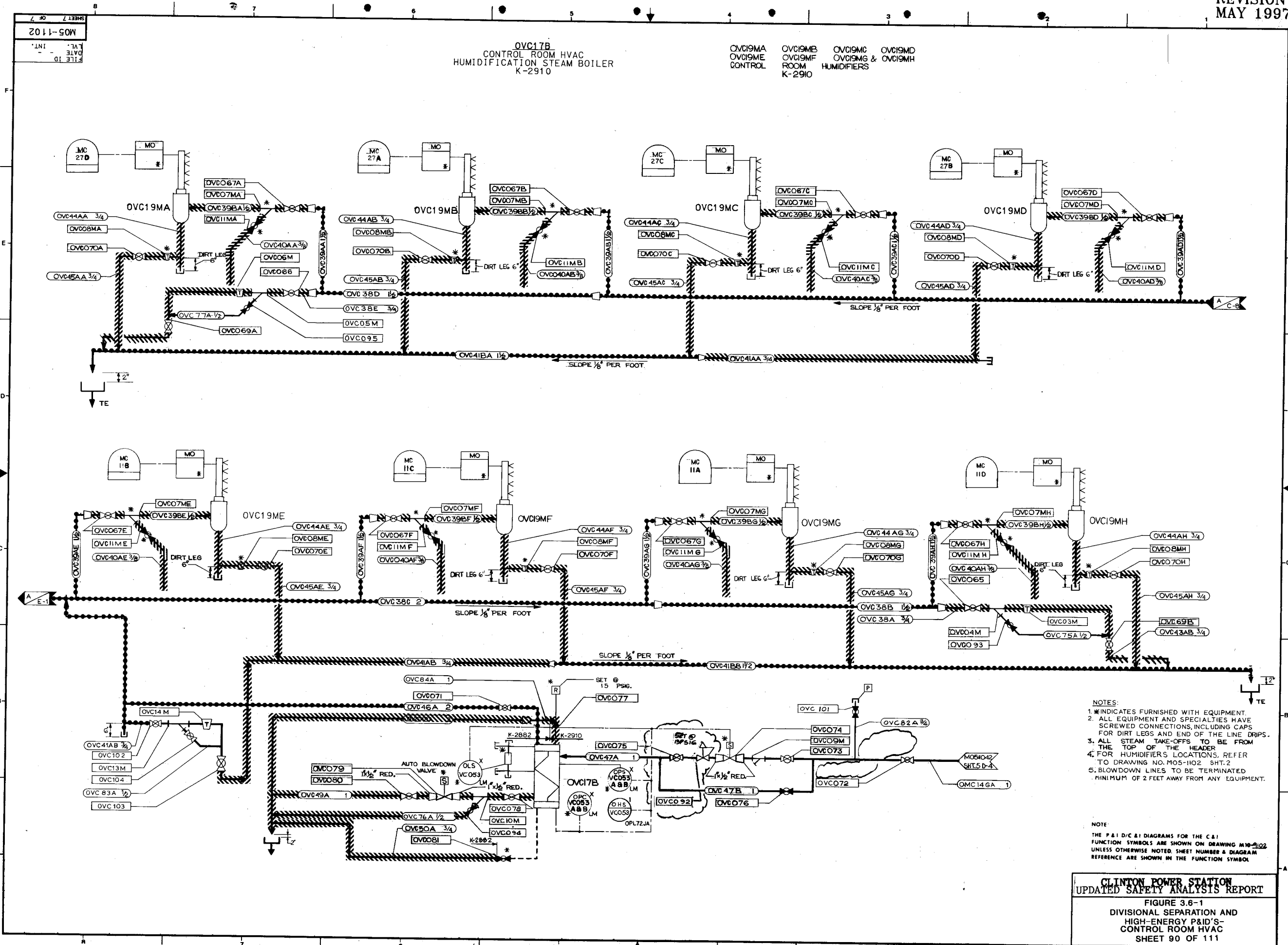


NOTES:
 1. * FURNISHED WITH EQUIPMENT.
 2. COOLING COIL OVC06AB IS SPLIT INTO SIX SEPARATE COILS.

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

NOTE:
 THE P&ID/D/C/EI DIAGRAMS FOR THE CAI
 FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-9102
 UNLESS OTHERWISE NOTED, SHEET NUMBER & DIAGRAM
 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-
 CONTROL ROOM HVAC
 SHEET 89 OF 111



- NOTES:
- * INDICATES FURNISHED WITH EQUIPMENT.
 - ALL EQUIPMENT AND SPECIALTIES HAVE SCREWED CONNECTIONS, INCLUDING CAPS FOR DIRT LEGS AND END OF THE LINE DRIPS.
 - ALL STEAM TAKE-OFFS TO BE FROM THE TOP OF THE HEADER.
 - FOR HUMIDIFIERS LOCATIONS, REFER TO DRAWING NO. M05-1102 SHT. 2
 - BLOWDOWN LINES TO BE TERMINATED MINIMUM OF 2 FEET AWAY FROM ANY EQUIPMENT.

NOTE:
THE P & I D/C & I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-1102 UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&I'S-
CONTROL ROOM HVAC
SHEET 90 OF 111

SHEET 5
 8111-SOM
 DATE
 FILE NO

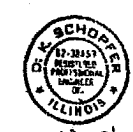
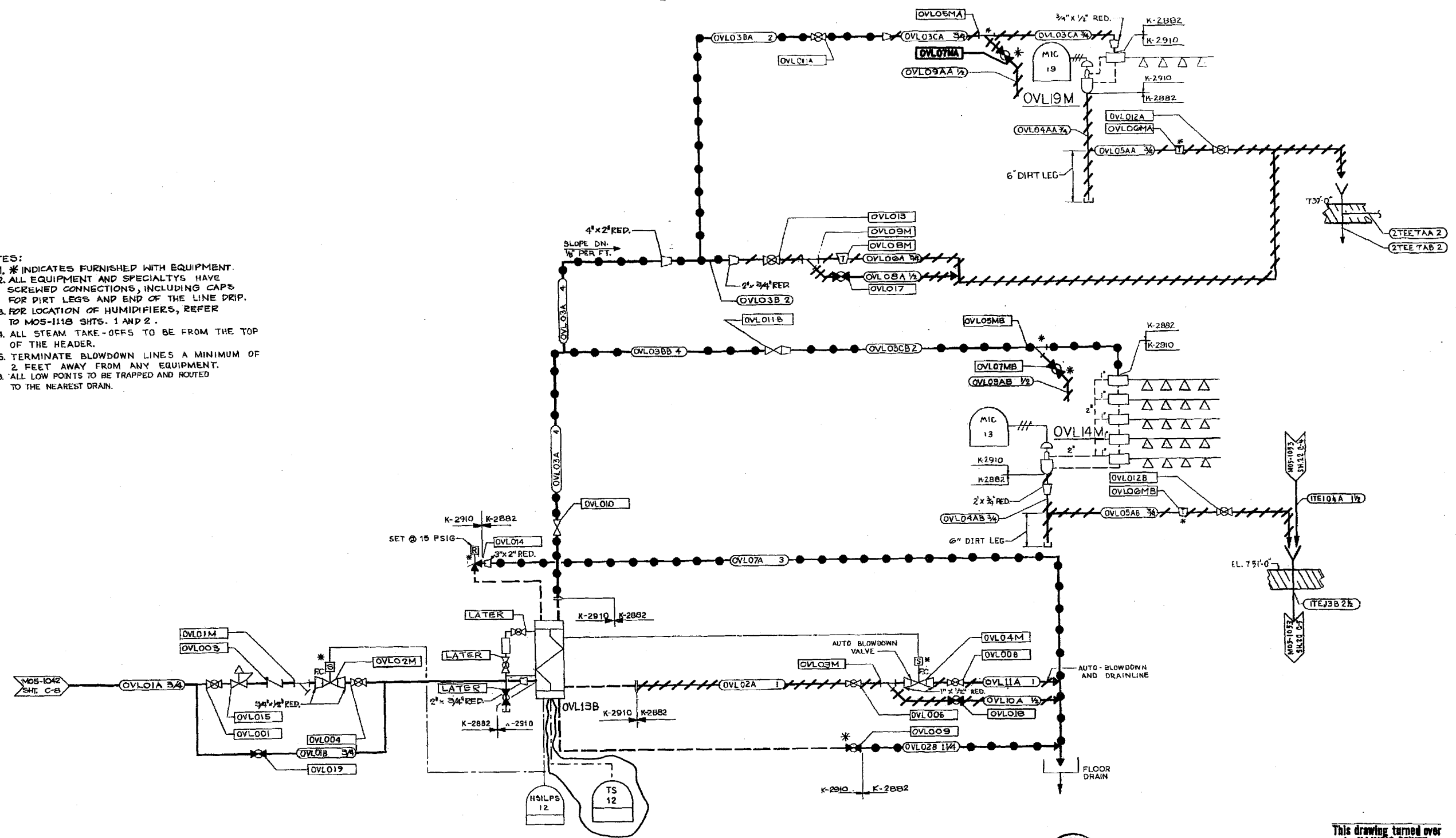
OVL13B
 LABORATORY HUMIDIFICATION
 STEAM BOILER
 K-2910

OVL14M
 LABORATORY HUMIDIFIER
 K-2910

OVL19M
 COUNTING ROOM HUMIDIFIER
 K-2910

REVISION 8
 MARCH 1998

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

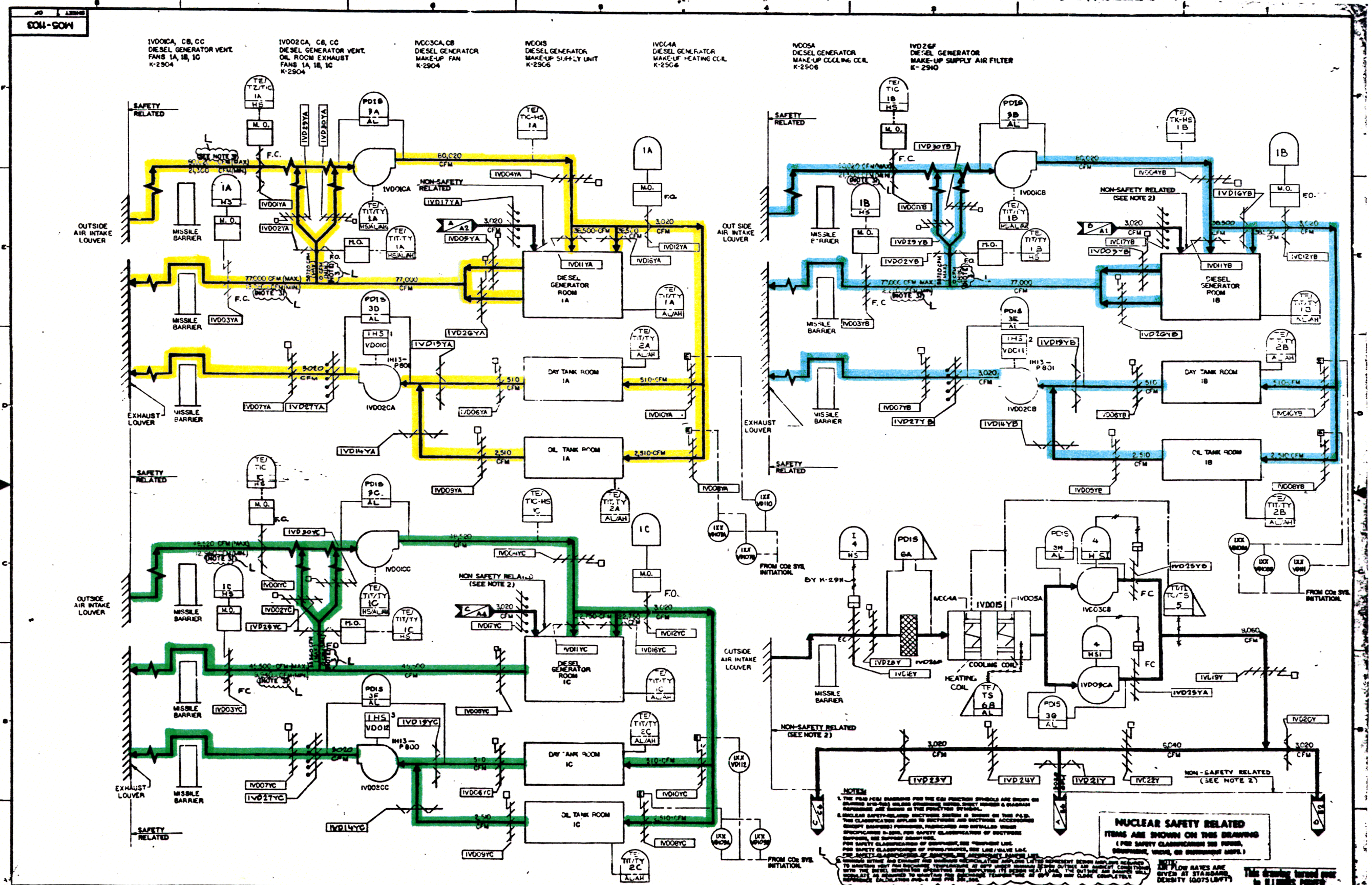


This drawing turned over to ILLINOIS POWER

NOTE:
 THE P & I D/C & I DETAILS FOR THE C & I
 FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-2118
 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

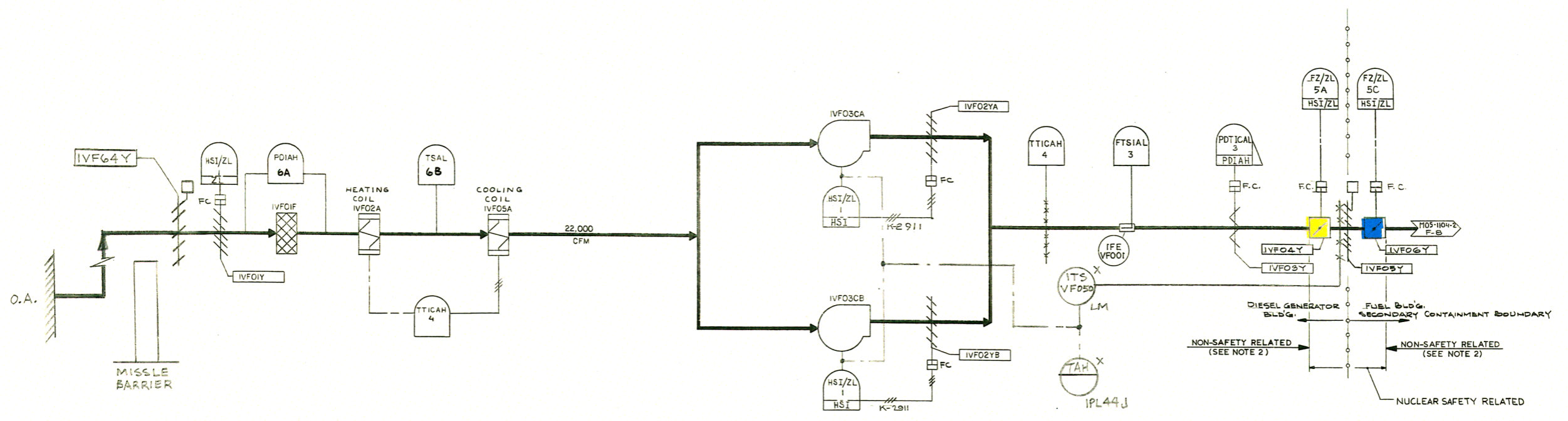


NOTES:
 1. THE FLOW RATES ARE GIVEN BY STANDARD DENSITY (0.073 LBMT³)
 2. THIS DRAWING IS A PRELIMINARY DESIGN AND SHOULD BE USED ONLY FOR GENERAL REFERENCE.
 3. THE CLASSIFICATION APPLIES TO THE SYSTEM AS SHOWN ON THIS P&ID.
 4. THE CLASSIFICATION APPLIES TO THE SYSTEM AS SHOWN ON THIS P&ID.
 5. THE CLASSIFICATION APPLIES TO THE SYSTEM AS SHOWN ON THIS P&ID.

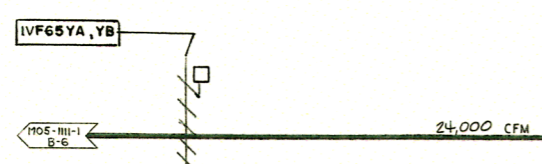
NUCLEAR SAFETY RELATED
 ITEMS ARE SHOWN ON THIS DRAWING
 (FOR SAFETY CLASSIFICATION SEE FORMS, DRAWINGS, VIEWS, OR SUPPLEMENT MAPS.)
 THIS DRAWING IS SUBJECT TO THE USARMC CONTROLLED DOCUMENTS POLICY.
 THIS DRAWING IS NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE USARMC.

**CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT**
 FIGURE 3.6-1
 DIVISIONAL SEPARATION AND
 HIGH-ENERGY P&ID'S-
 DIESEL GENERATOR ROOM VENTILATION
 SHEET 81 OF 111

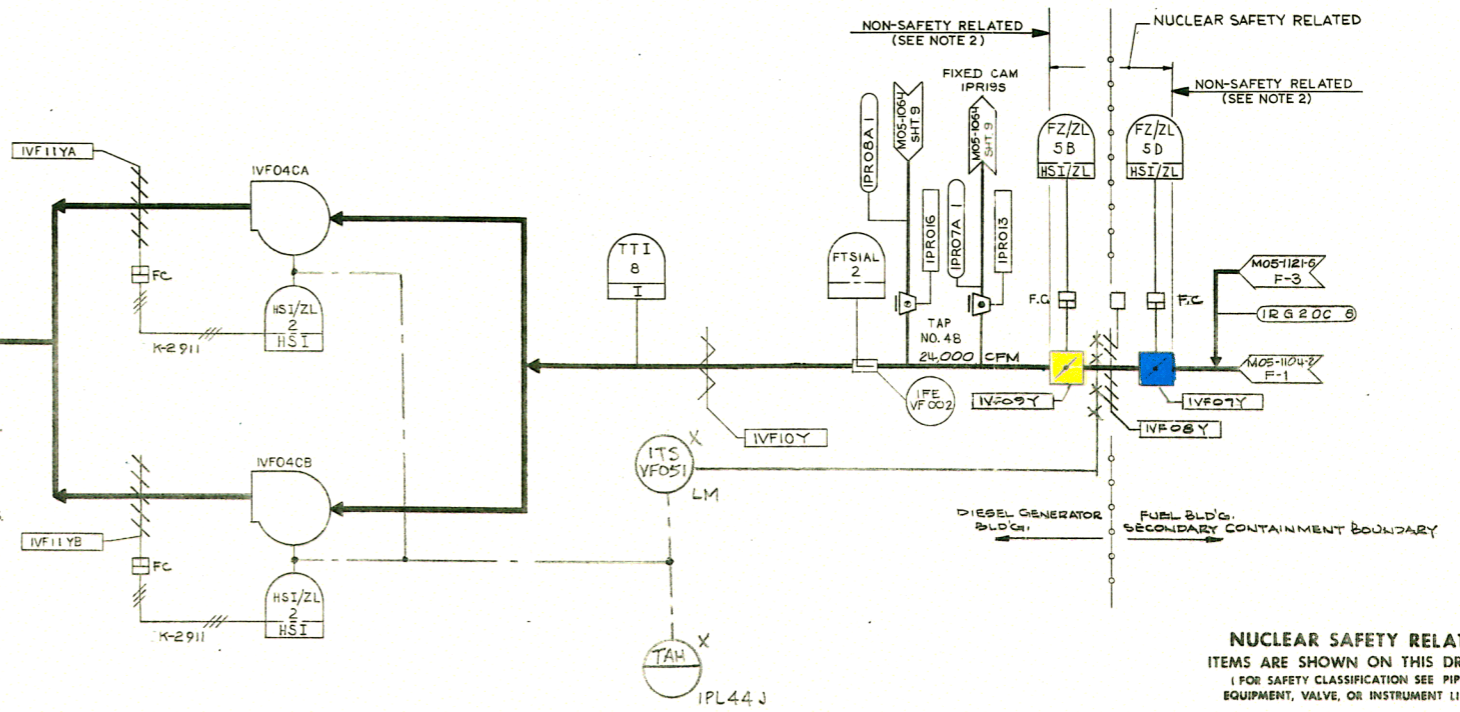
IVFO1F FUEL BLDG. VENT. SUPPLY AIR FILTER K-2910
 IVFO2A FUEL BLDG. VENT. SUPPLY AIR HTG. COIL K-2908
 IVFO3CA,CB FUEL BLDG. VENT. SUPPLY AIR FANS IA,IB K-2904
 IVFO4CA,CB FUEL BLDG. VENT. EXHAUS AIR FANS IA,IB K-2904
 IVFO5A FUEL BLDG. VENT. SUPPLY AIR CLG. COIL K-2906



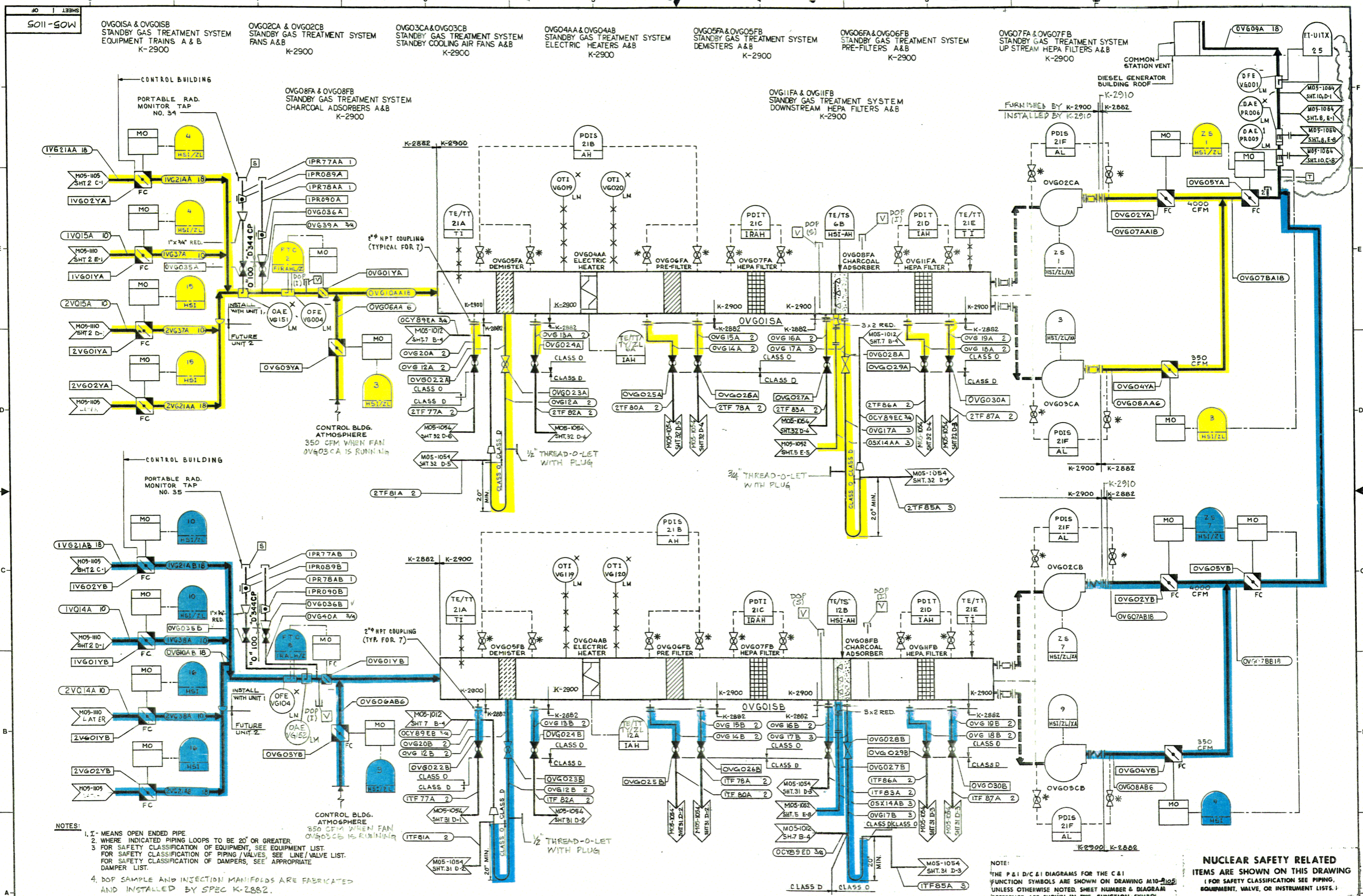
NOTE: FIRE DAMPERS IVF65YA AND IVF65YB ARE IN PARALLEL SERVICE WITHIN THE COMMON DUCT.



- NOTES:
1. THE P&ID/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-1104 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.)

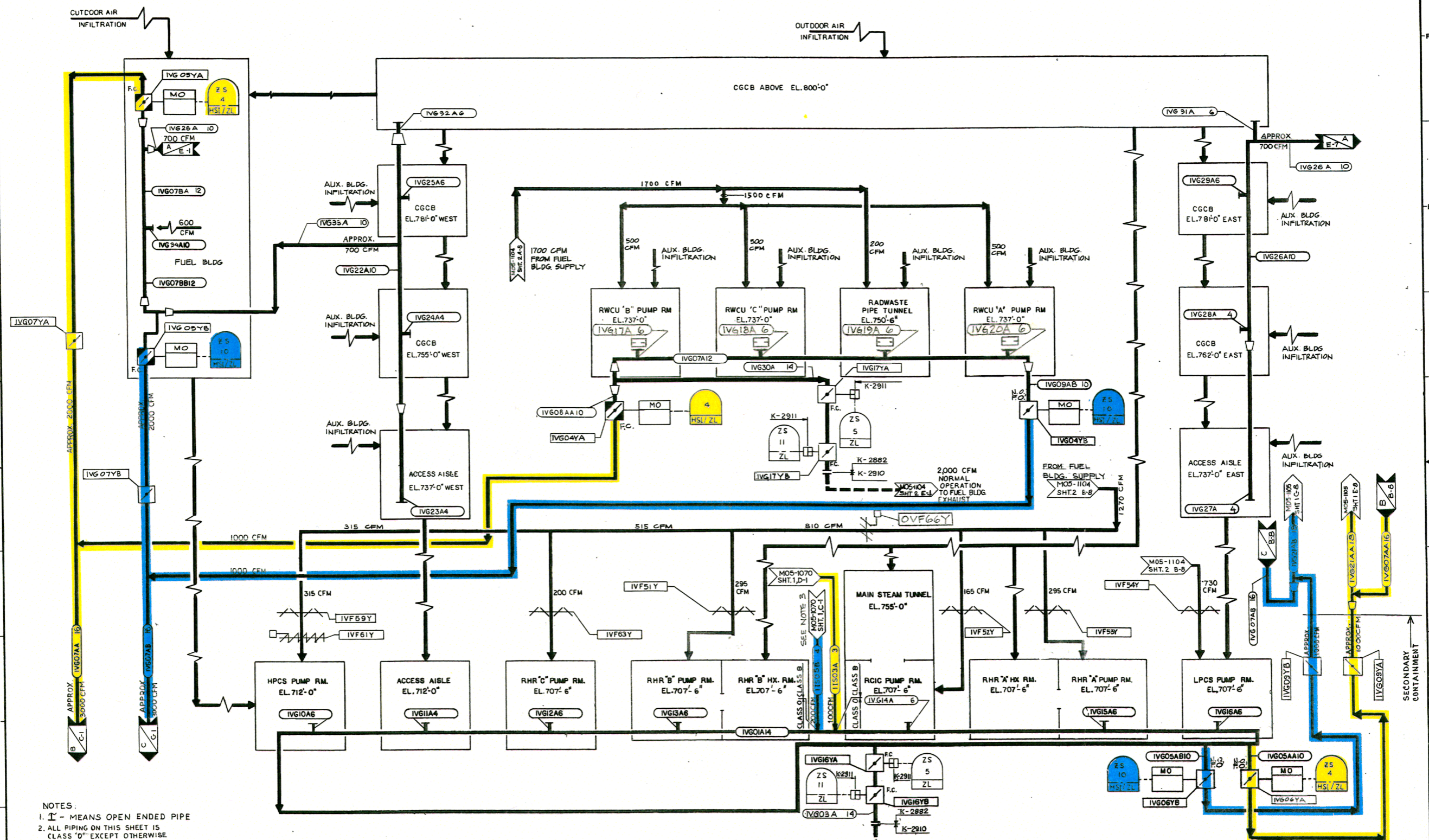


NOTES:
 1. I, I - MEANS OPEN ENDED PIPE
 2. WHERE INDICATED PIPING LOOPS TO BE 20' OR GREATER.
 3. FOR SAFETY CLASSIFICATION OF EQUIPMENT, SEE EQUIPMENT LIST.
 FOR SAFETY CLASSIFICATION OF PIPING / VALVES, SEE LINE / VALVE LIST.
 FOR SAFETY CLASSIFICATION OF DAMPERS, SEE APPROPRIATE DAMPER LIST.
 4.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

NOTE:
 THE P&I D/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-1105. 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.)

SHEET 94 OF 111



- NOTES:
1. I - MEANS OPEN ENDED PIPE
 2. ALL PIPING ON THIS SHEET IS CLASS "D" EXCEPT OTHERWISE NOTED.
 3. FLOW OCCURS ONLY DURING OPERATION OF MSIV BLOWERS

NOTE:
 2,500 CFM NORMAL OPERATION TO FUEL BUILDING EXHAUST

NOTE:
 THE P&ID/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-302 (FOR SAFETY CLASSIFICATION SEE PIPING, EQUIPMENT, VALVE, OR INSTRUMENT LISTS.) REFERENCE ARE SHOWN IN THE FUNCTION SYMBOLS.

NUCLEAR SAFETY RELATED ITEMS ARE SHOWN ON THIS DRAWING

CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT

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

9011-90W
SHEET 2

IVHO1CA
SSW PUMP
ROOM A
SUPPLY FAN
K-2904

IVHO1A,B
SSW PUMP
ROOM A
COOLING COILS
K-2902

IVHO1CC
SSW PUMP
ROOM C
SUPPLY FAN
K-2904

IVHO3A
SSW PUMP
ROOM C
COOLING COIL
K-2902

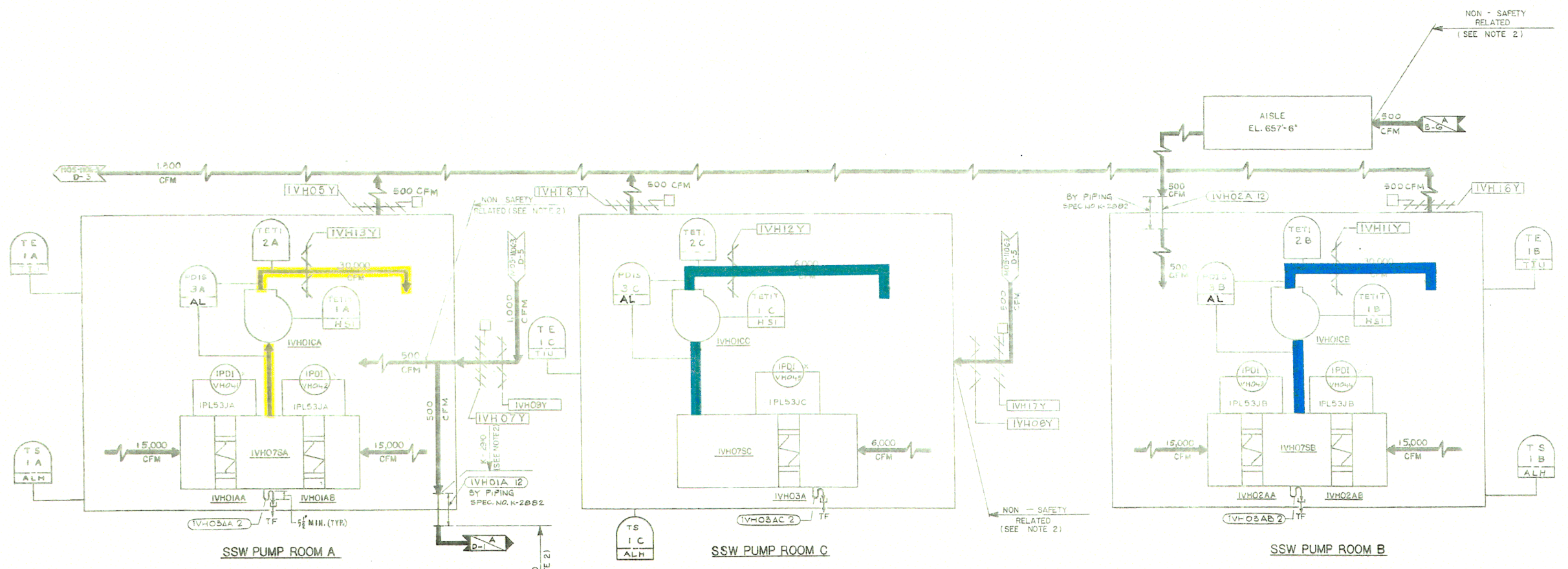
IVHO7SA
SSW PUMP
ROOM A
COIL CABINET
K-2902

IVHO7SB
SSW PUMP
ROOM B
COIL CABINET
K-2902

IVHO7SC
SSW PUMP
ROOM C
COIL CABINET
K-2902

IVHO1CB
SSW PUMP
ROOM B
SUPPLY FAN
K-2904

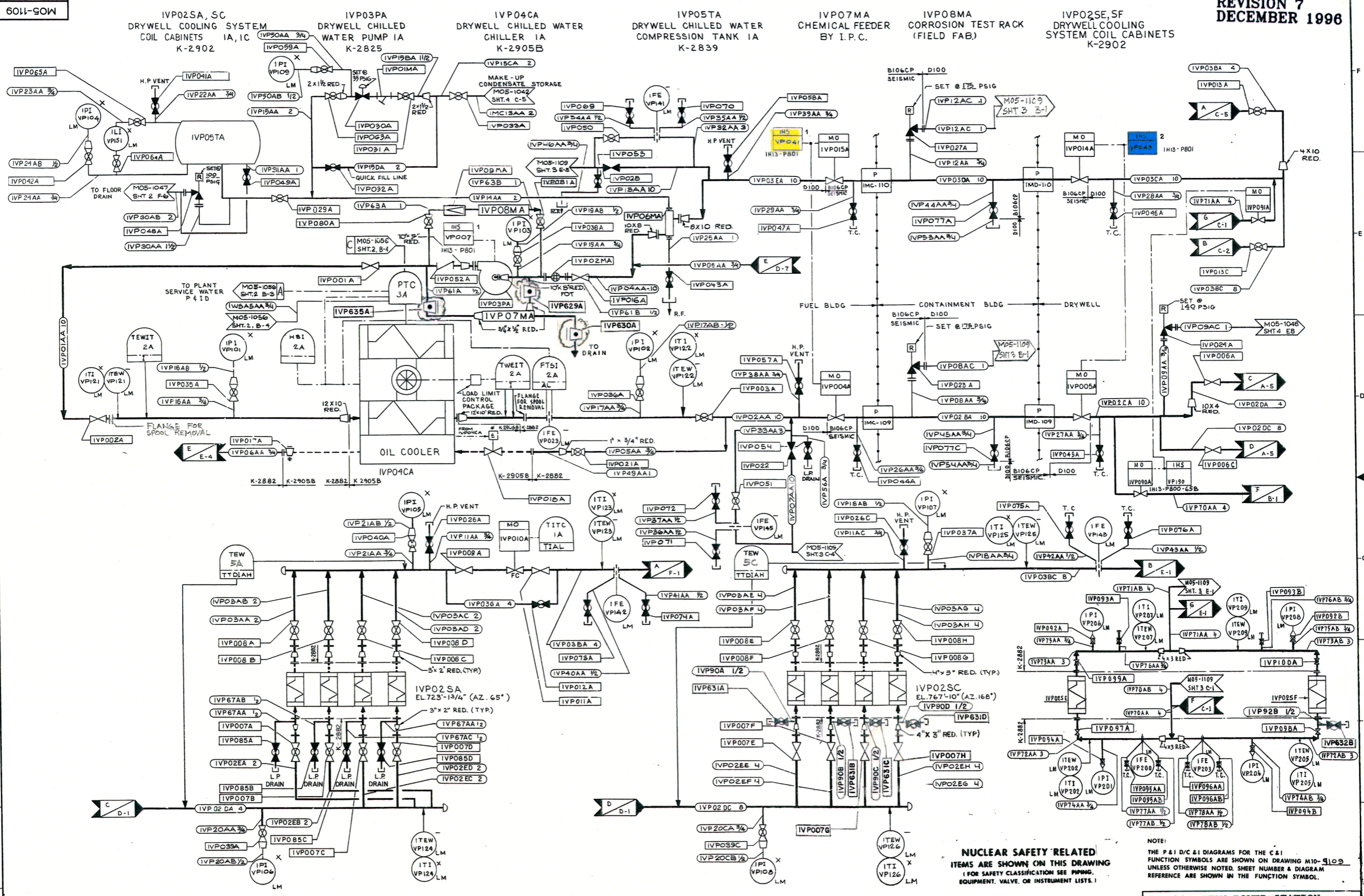
IVHO2AA,B
SSW PUMP
ROOM B
COOLING COILS
K-2902



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-290. 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.

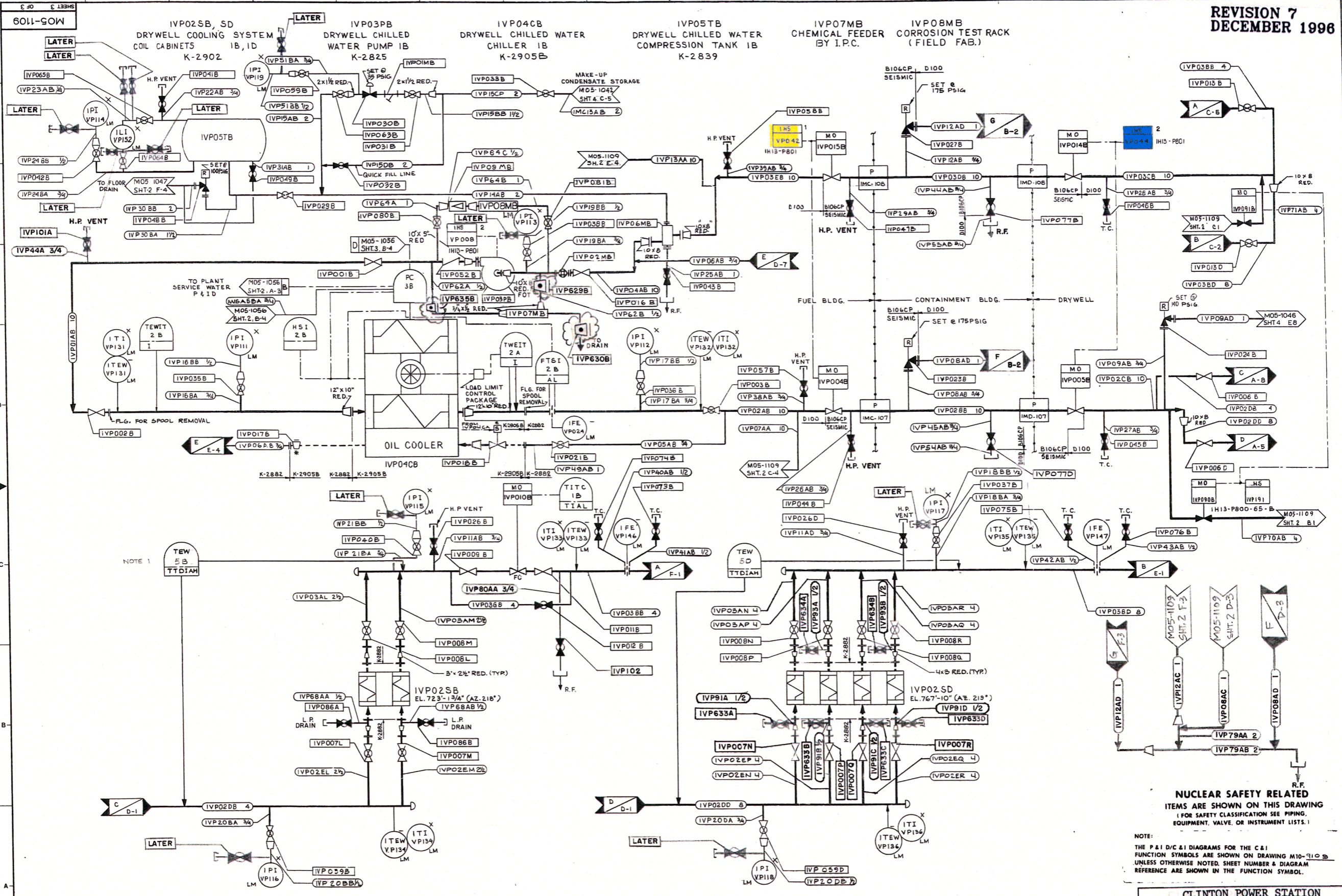
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
SHUTDOWN SERVICE WATER VENTILATION
SHEET 95 OF 111



NOTE: 1) INSTRUMENT LOOP IS
ABANDONED IN PLACE

NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING
UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

NOTE:
THE P&I D/C & I DIAGRAMS FOR THE C&I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-9109
UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.



NOTE 1

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

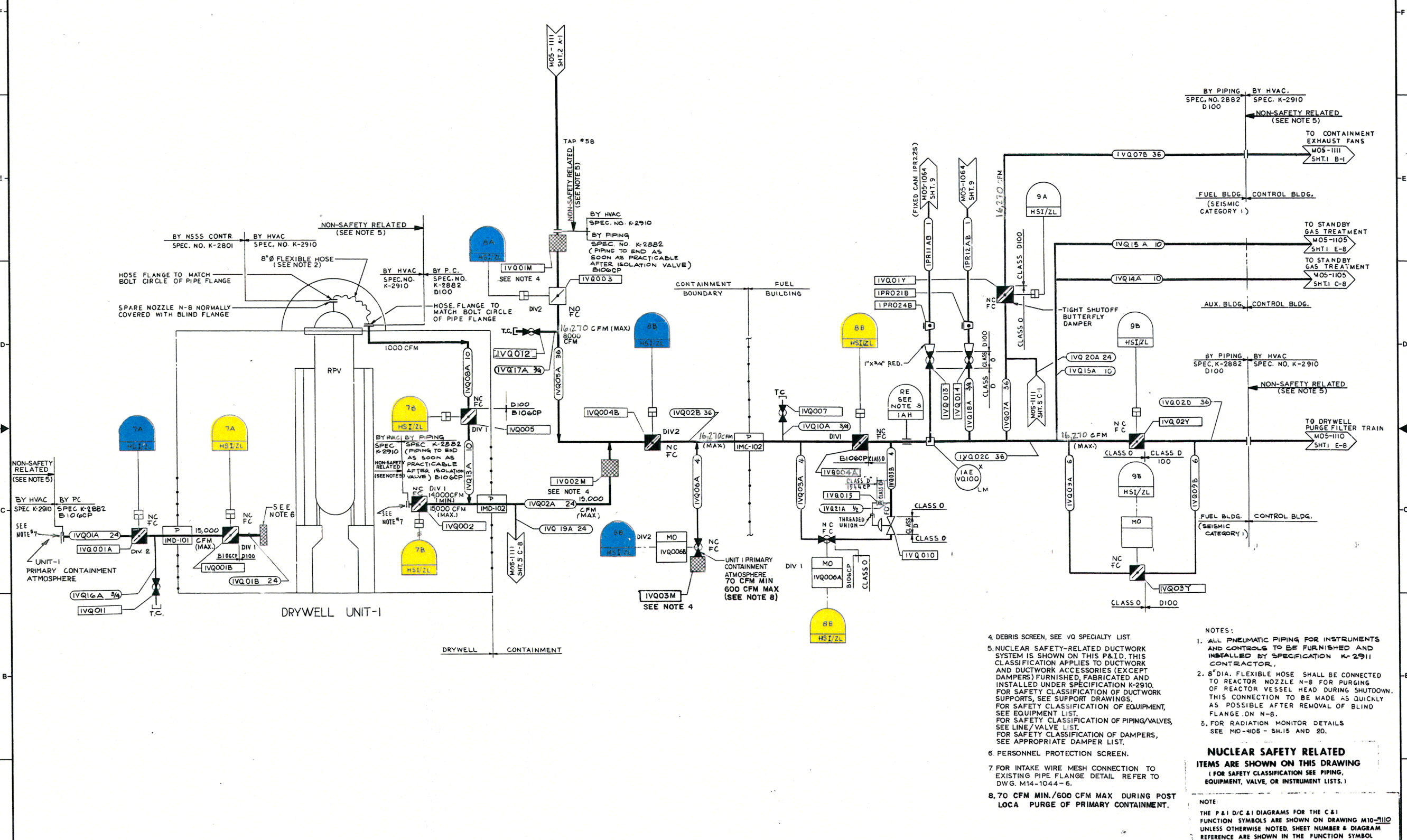
NOTE:
THE P&ID/C&I DIAGRAMS FOR THE C&I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-1016
UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

NOTE 1: INSTRUMENT LOOP IS ABANDONED IN PLACE.

OIII-III
MOS-III



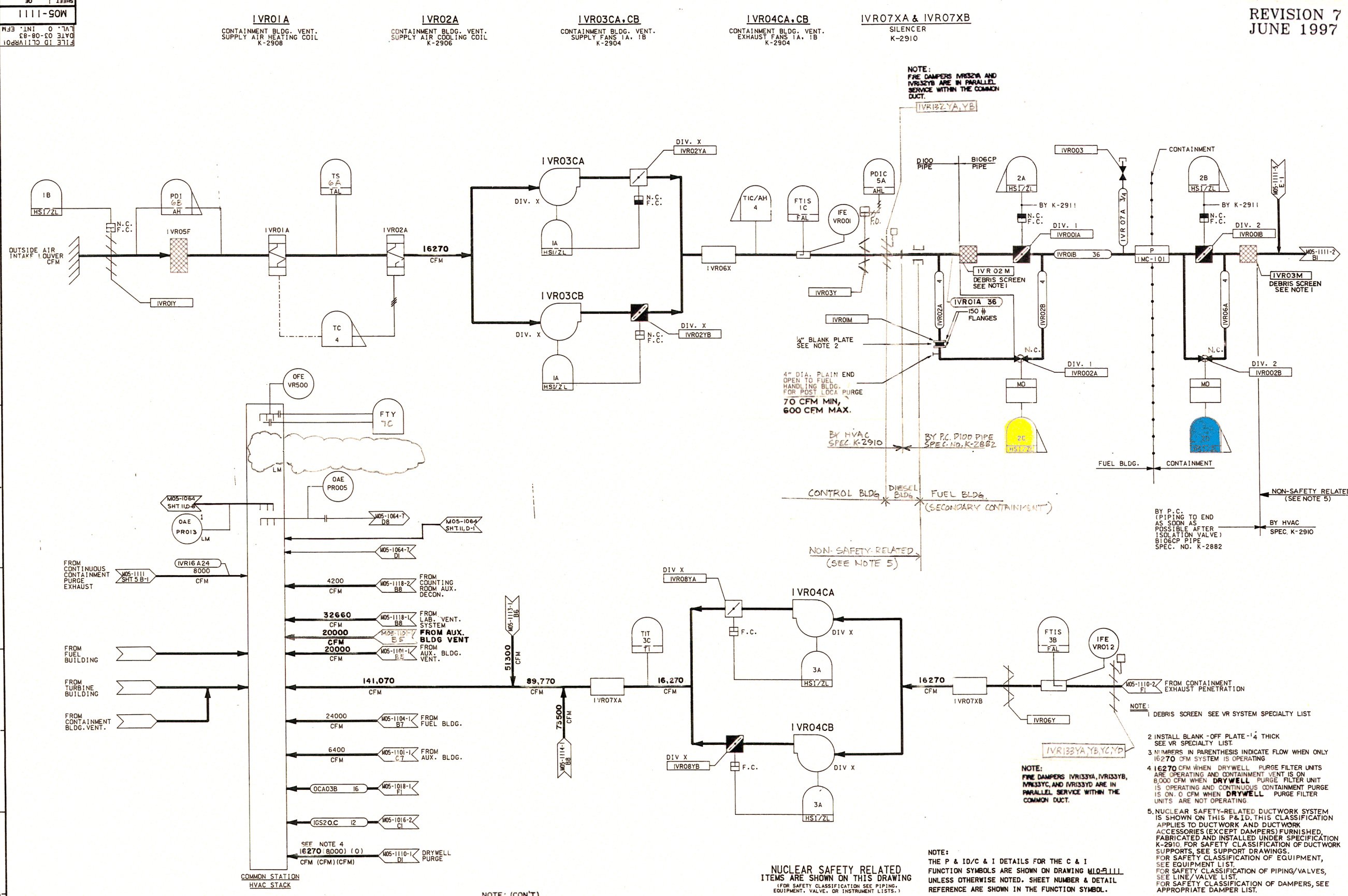
4. DEBRIS SCREEN, SEE VQ SPECIALTY LIST.
5. NUCLEAR SAFETY-RELATED DUCTWORK SYSTEM IS SHOWN ON THIS P&ID. THIS CLASSIFICATION APPLIES TO DUCTWORK AND DUCTWORK ACCESSORIES (EXCEPT DAMPERS) FURNISHED, FABRICATED AND INSTALLED UNDER SPECIFICATION K-2910. FOR SAFETY CLASSIFICATION OF DUCTWORK SUPPORTS, SEE SUPPORT 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.
6. PERSONNEL PROTECTION SCREEN.
7. FOR INTAKE WIRE MESH CONNECTION TO EXISTING PIPE FLANGE DETAIL REFER TO DWG. M14-1044-6.
8. 70 CFM MIN./600 CFM MAX DURING POST LOCA PURGE OF PRIMARY CONTAINMENT.

NOTES:

- ALL PNEUMATIC PIPING FOR INSTRUMENTS AND CONTROLS TO BE FURNISHED AND INSTALLED BY SPECIFICATION K-2911 CONTRACTOR.
- 8" DIA. FLEXIBLE HOSE SHALL BE CONNECTED TO REACTOR NOZZLE N-8 FOR PURGING OF REACTOR VESSEL HEAD DURING SHUTDOWN. THIS CONNECTION TO BE MADE AS QUICKLY AS POSSIBLE AFTER REMOVAL OF BLIND FLANGE ON N-8.
- FOR RADIATION MONITOR DETAILS SEE M10-1105 - SH.15 AND 20.

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 M10-1110 UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.



NOTE:
FIRE DAMPERS IVR32YA AND
IVR32YB ARE IN PARALLEL
SERVICE WITHIN THE COMMON
DUCT.

4" DIA. PLAIN END
OPEN TO FUEL
HANDLING BLDG.
FOR POST LOCA PURGE
70 CFM MIN,
600 CFM MAX.

BY P.C.
AS SOON AS
POSSIBLE AFTER
ISOLATION VALVE
BIOGCP PIPE
SPEC. NO. K-2882

NON-SAFETY RELATED
(SEE NOTE 5)

NOTE 1
DEBRIS SCREEN SEE VR SYSTEM SPECIALTY LIST

- 2 INSTALL BLANK-OFF PLATE -1/4 THICK
SEE VR SPECIALTY LIST.
- 3 NUMBERS IN PARENTHESIS INDICATE FLOW WHEN ONLY
16270 CFM SYSTEM IS OPERATING
- 4 16270 CFM WHEN DRYWELL PURGE FILTER UNITS
ARE OPERATING AND CONTAINMENT VENT IS ON
8,000 CFM WHEN DRYWELL PURGE FILTER UNIT
IS OPERATING AND CONTINUOUS CONTAINMENT PURGE
IS ON. 0 CFM WHEN DRYWELL PURGE FILTER
UNITS ARE NOT OPERATING.
- 5. 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 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.

NOTE:
THE P & ID/C & I DETAILS FOR THE C & I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M05-1111
UNLESS OTHERWISE NOTED. SHEET NUMBER & DETAIL
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

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

NOTE: (CON'T.)
6. AIR FLOWS SHOWN FOR FANS IVR03CA/CB AND IVR04CA/CB
MAY RESULT IN UNSTABLE FAN OPERATION. IPC HAS DETER-
MINED THAT THIS CONDITION IS ACCEPTABLE UNTIL AT LEAST
THE FIRST OUTAGE. (REF. IPC LTR. NO. S-6083).

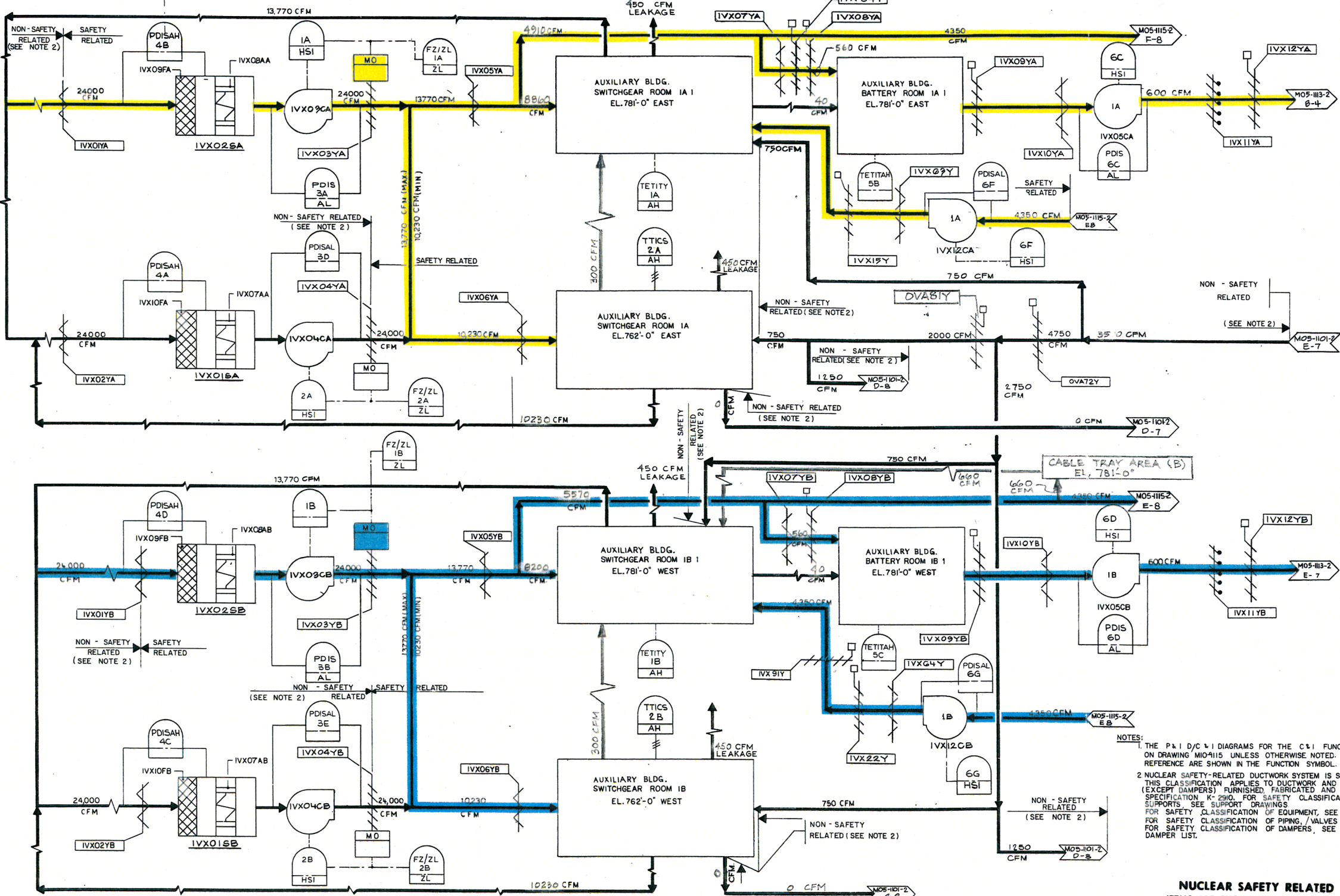
IVX01SA,SB SWITCHGEAR HEAT REMOVAL COIL CABINET K-2902

IVX02SA,SB SWITCHGEAR HEAT REMOVAL COIL CABINET K-2902

IVX03CA,CB IVX04CA,CB SWITCHGEAR HEAT REMOVAL FAN K-2904

IVX05CA,CB BATTERY ROOM EXHAUST FAN K-2904

IVX12CA,CB SWITCHGEAR HEAT REMOVAL RETURN FANS 1A & 1B K-2904



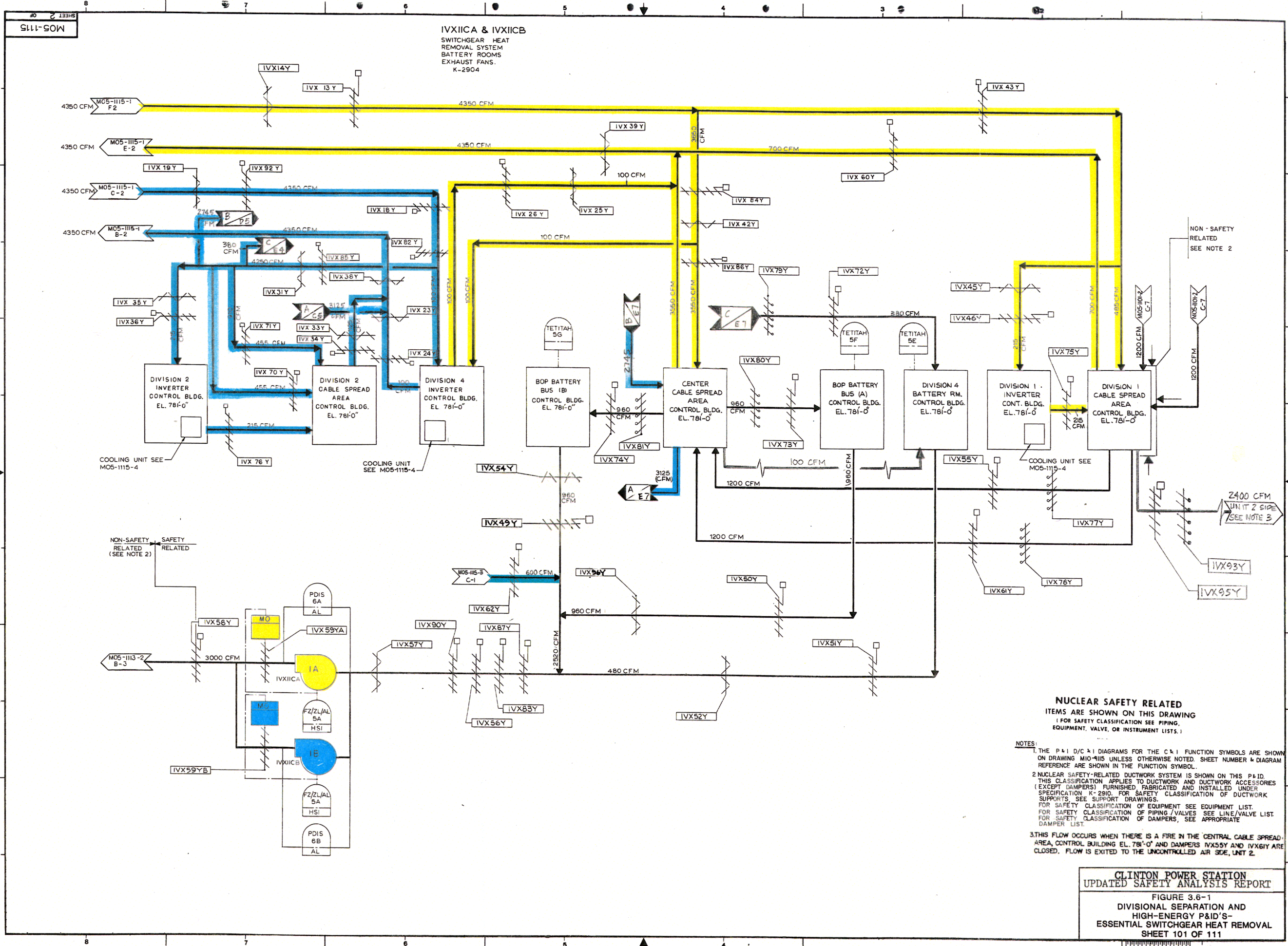
NOTES:

1. THE P&ID/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING MO5-111S 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 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.

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-
 ESSENTIAL SWITCHGEAR HEAT REMOVAL
 SHEET 100 OF 111



NON-SAFETY RELATED SEE NOTE 2

COOLING UNIT SEE M05-1115-4

COOLING UNIT SEE M05-1115-4

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 M10-1115 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 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.
 3. THIS FLOW OCCURS WHEN THERE IS A FIRE IN THE CENTRAL CABLE SPREAD AREA, CONTROL BUILDING EL. 781'-0" AND DAMPERS IVX55Y AND IVX61Y ARE CLOSED. FLOW IS EXITED TO THE UNCONTROLLED AIR SIDE, UNIT 2.

CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT
 FIGURE 3.6-1
 DIVISIONAL SEPARATION AND
 HIGH-ENERGY P&ID'S-
 ESSENTIAL SWITCHGEAR HEAT REMOVAL
 SHEET 101 OF 111