

8856-M-146

REF. NO.	REFERENCE DRAWINGS	REVISION	P. NO.	REV. NO.
1	UNCONTROLLED DRIVE PART A	M-146	1	1
2	210 LEGEND	M-100	2	1
3	240 PUMP CONTROL DIA.	M-100	2	1
4	240 PUMP CONTROL DIA.	M-100	2	1
5	240 PUMP CONTROL DIA.	M-100	2	1
6	240 PUMP CONTROL DIA.	M-100	2	1
7	REACTOR FOOT 51ST ID	M-100	2	1
8	CLEANING OF PIPING EQUIPMENT	M-100	2	1
9	SHIELD DRAINAGE COLLECTION	M-100	2	1
10	TURBINE ROOM COOLING WATER	M-100	2	1
11	REACTOR RECIRCULATION P&ID	M-100	2	1
12				
13	CONDENSATE WATER STORAGE	M-100	2	1
14	NUCLEAR BOILER VESSEL INSTRUM.	M-100	2	1
15	PROCESS SAMPLING	M-100	2	1

- NOTES:
1. THE SYMBOLS IN THIS SYSTEM IS C-2.
  2. CHECK FOR VALVES WITH CAP ON DISCHARGE SIDE AT ALL SYSTEM HIGH POINTS.
  3. PROVIDE ORANGE VALVES WITH CAP ON DISCHARGE SIDE AT ALL SYSTEM HIGH POINTS.
  4. STABILIZING VALVE FOOT IS AN ALTERNATE FOR STABILIZING VALVE FOOT IS 400.
  5. VALVE FOOT IS 400 CLOSURE ON DRIVE INSET SIGNAL. VALVE FOOT IS 400 CLOSURE ON DRIVE INSET SIGNAL. BUT DOES NOT STAY CLOSED DURING SETTLING.
  6. 3.0000 FOR SYSTEM SETTLING.
  7. P&ID REPRESENTS A CHECK VALVE WITH ORIFICE.
  8. VALVE POSITIONS SUPPLIED WITH VALVE.
  9. CONTROL STATION SHALL BE LOCATED WITHIN SIGHT OF CONTROLLED PRESSURE INDICATORS.
  10. SPRING LOADED PISTON ACTUATED VALVE HELD OPEN BY AIR PRESSURE DURING NORMAL OPERATION.
  11. ALL PIPING SHALL BE PITCHED CONTINUOUSLY FROM HIGH POINTS TO LOW POINTS WITH A MINIMUM SLOPE OF 1/8 INCH PER FOOT UNLESS OTHERWISE NOTED IN G.E.P. ALL HIGH POINTS SHALL BE LOCATED OUTSIDE THE PRIMARY CONTAINMENT.
  12. SAMPLE NOZZLES PROVIDED BY BESCHTEL, BUT INSTALLED BY SUB CONTRACTOR.
  13. MISCELLANEOUS VALVE NUMBERS USED ARE: 1-40-001 THRU 1-40-002 AND 1-40-003 THRU 1-40-004.

DRIVE WATER PUMP "A" ORANGE VALVE SYSTEM (TYP. OF PUMP "A")

NUCLEAR BOILER VESSEL INSTRUMENTATION REACTOR PRESSURE ABOVE COREPLATE

DRIVE WATER PUMP "A" MOTOR WINDING 4 SELECTS TEMPERATURE (TYP. FOR PUMP "A")

WINDINGS

SELECT HOTTEST TEMP

BEARINGS

INSTALLED IN MOTOR BEARING BUT NOT CONNECTED

FROM MAKE UP REJECT LINE

WATER FROM CONDENSATE HEADER

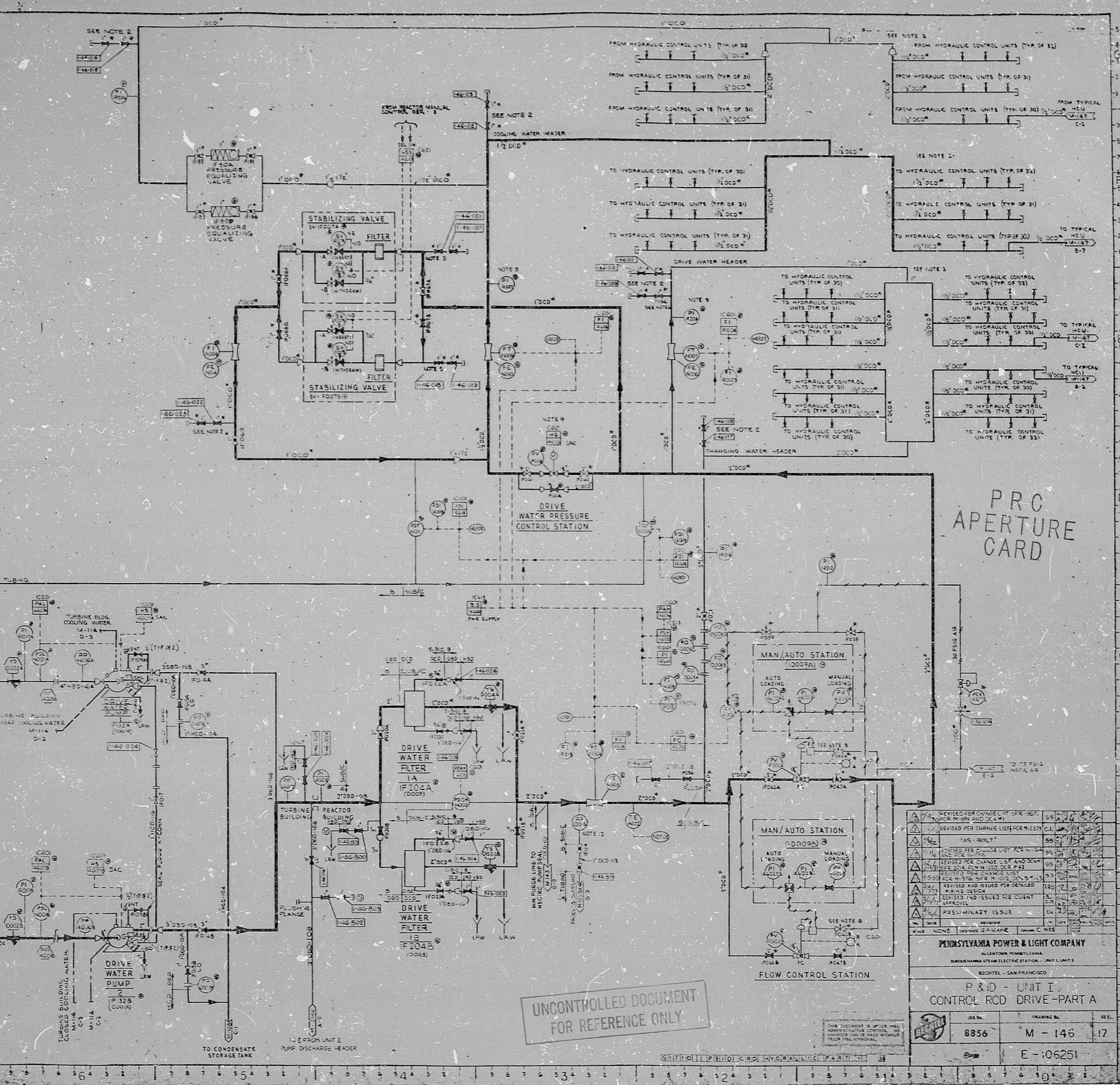
TO CONDENSATE STORAGE TANK

TO CONDENSATE STORAGE TANK

TO CONDENSATE STORAGE TANK

TO CONDENSATE STORAGE TANK

TO CONDENSATE STORAGE TANK



PRC APERTURE CARD

UNCONTROLLED DOCUMENT FOR REFERENCE ONLY

REV.	DESCRIPTION	DATE	BY	CHKD.
1	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
2	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
3	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
4	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
5	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
6	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
7	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
8	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
9	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
10	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
11	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
12	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
13	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
14	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
15	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
16	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
17	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
18	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
19	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS
20	REVISED PER CHANGE LIST FOR 8856-M-146	11/17/67	J. L. HARRIS	J. L. HARRIS

PENNSYLVANIA POWER & LIGHT COMPANY  
 ALLIANCE POWER PLANT  
 REACTOR BUILDING  
 P & ID - UNIT I  
 CONTROL ROD DRIVE - PART A  
 JOB NO. 8856 DRAWING NO. M-146 REV. 17  
 DATE 11/17/67  
 E-106251

I certify that the microfilm image contained on this microfiche was made in the normal and regular course of business. This is a true and correct copy of the original document and is not a reproduction of a reproduction. This microfiche is the property of the National Microfilm Center, University Microfilms International, Ann Arbor, Michigan 48106.

RIDS

8305250347

