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1. CHECK FOR CONSTRUCTION OF INSTRUMENTS AND TRANSMITTERS. 2. CHECK FOR CONSTRUCTION OF CABINETS. 3. CHECK FOR CONSTRUCTION OF CABLES. 4. CHECK FOR CONSTRUCTION OF WIRING. 5. CHECK FOR CONSTRUCTION OF PANELS. 6. CHECK FOR CONSTRUCTION OF TERMINALS. 7. CHECK FOR CONSTRUCTION OF LABELS. 8. CHECK FOR CONSTRUCTION OF SCHEMATIC. 9. CHECK FOR CONSTRUCTION OF ADAPTER TABLE. 10. CHECK FOR CONSTRUCTION OF REFERENCES. 11. CHECK FOR CONSTRUCTION OF LOCATIONS. 12. CHECK FOR CONSTRUCTION OF NOTES. 13. CHECK FOR CONSTRUCTION OF BECHTEL. 14. CHECK FOR CONSTRUCTION OF ANN ARBOR, MICHIGAN. 15. CHECK FOR CONSTRUCTION OF MIDLAND PLANT UNITS 1 & 2. 16. CHECK FOR CONSTRUCTION OF CONSUMERS POWER COMPANY. 17. CHECK FOR CONSTRUCTION OF SCHEMATIC DIAGRAM. 18. CHECK FOR CONSTRUCTION OF REACTOR NUCLEAR INSTRUMENTATION AND PROTECTION. 19. CHECK FOR CONSTRUCTION OF JOB No. 7220. 20. CHECK FOR CONSTRUCTION OF DRAWING No. E-370 (1) SH B. 21. CHECK FOR CONSTRUCTION OF REV. 5.

ADAPTER TABLE																	
SCHEME	120 V AC		R.C. OUTLET TEMP.	REACTOR COOLANT FLOW TRANSMITTERS		RC PUMP POWER MONITORS		R.C. PRESS TRANSMITTERS	CRD TRIP	CABINET LOCATIONS (SEE NOTE 1)		FLOW INDICATORS					
	PKR	BKR		IC31	IC114	IC31	IC114			IC31	IC114						
1A0176	1Y1	52-53	1YE-0103A4	1FY-0101A1	1FY-0101B1	2	1	3	4	1A0215	1PY-0117A1	R1	(1,2)	CAB 1	CAB 2	1FIO101A11	1FIO101A12
1B0179	1Y12	52-03	1YE-0103A6	1FY-0101A2	1FY-0101B2	2	1	3	4	1B0215	1PY-0117A2	R2	(1,2)	CAB 3	CAB 4	1FIO101B21	1FIO101B22
1C0180	1Y13	52-01	1YE-0103B4	1FY-0101A3	1FY-0101B3	2	1	3	4	1C0215	1PY-0117B1	R3	(1,2)	CAB 5			
1D0181	1Y14	52-01	1YE-0103B6	1FY-0101A4	1FY-0101B4	2	1	3	4	1D0215	1PY-0117B2	R4	(1,2)	CAB 7			
2A0178	2Y11	52-03	2YE-0203A4	2FY-0201A1	2FY-0201B1	2	1	3	4	2A0215	2PY-0217A1	R1	(1,2)	CAB 1	CAB 2	2FIO201A11	2FIO201A12
2B0179	2Y12	52-03	2YE-0203A6	2FY-0201A2	2FY-0201B2	2	1	3	4	2B0215	2PY-0217A2	R2	(1,2)	CAB 3	CAB 4	2FIO201B21	2FIO201B22
2C0180	2Y13	52-01	2YE-0203B4	2FY-0201A3	2FY-0201B3	2	1	3	4	2C0215	2PY-0217B1	R3	(1,2)	CAB 5			
2D0181	2Y14	52-01	2YE-0203B6	2FY-0201A4	2FY-0201B4	2	1	3	4	2D0215	2PY-0217B2	R4	(1,2)	CAB 7			

REFERENCES:

7220-MFCA-12124-13,14,24,25
 7220-MFCA-13116-32,14,24,25
 7220-MFCA-12123-2,3
 7220-MFCA-13115-2,3

LOCATIONS											
IC31	IC114	1TE0103A4	1PY0117A1	1B91A	1B91B	1B91C	1B91D	1B91E	1B91F	1B91G	1B91H
1FIO101A1	1FIO101B1	1TE0103A3	1C43	1C30	1C41	1Z115					
1FIO101A2	1FIO101B2	1TE0103A5	1C43	1C30	1C41	1Z133					
1FIO101A3	1FIO101B3	1TE0103B3	1C43	1C30	1C41	1Z151					
1FIO101A4	1FIO101B4	1TE0103B5	1C43	1C30	1C42	1Z139					
2FIO201A1	2FIO201B1	2TE0203A3	2C43	2C30	2C41	2Z115	2C31	2C114	2TE0203A4	2PY0217A1	2B91A
2FIO201A2	2FIO201B2	2TE0203A5	2C43	2C30	2C41	2Z133	2C31	2C114	2TE0203A6	2PY0217A2	2B91B
2FIO201A3	2FIO201B3	2TE0203B3	2C43	2C30	2C41	2Z151			2TE0203B4	2PY0217B1	2B91C
2FIO201A4	2FIO201B4	2TE0203B5	2C43	2C30	2C42	2Z139			2TE0203B6	2PY0217B2	2B91D

NOTES:

- ROW & POSITION LOCATIONS OF INSTRUMENTS & DEVICES ARE IDENTICAL FOR ALL SCHEMES. ONLY THE CABINET LOCATIONS CHANGE.
- SEE E-42 SH 23 FOR WIRING OF TRANSMITTERS.
- CABLES U,B,C,D,V,F,X,H,S,T ARE INSTRUMENT CABLES. CABLES Y,L ARE CONTROL CABLES.

BECHTEL
ANN ARBOR, MICHIGAN

MIDLAND PLANT UNITS 1 & 2
CONSUMERS POWER COMPANY

SCHEMATIC DIAGRAM
REACTOR NUCLEAR INSTRUMENTATION
AND PROTECTION

JOB No.	DRAWING No.	REV.
7220	E-370 (1) SH B	5

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