



- CONTACT OUTPUTS TO ANNUN.
- AT 1-10-1-5 SUBASSEMBLY A (P0033)
 - AM 1-10-1-6 LOW P.C. PRESSURE TRIP
 - AW 1-10-1-7 SUBASSEMBLY A (T067)
 - AX 1-10-1-8 HIGH P.C. OUTLET TEMP. TRIP
 - AY 1-10-1-9 SUBASSEMBLY A (A088)
 - AZ 1-10-1-10 PRESSURE/TEMP. TRIP
 - BA 1-10-1-11 SUBASSEMBLY A (A087)
 - BB 1-10-1-12 POWER/PUMPS TRIP
 - BC 1-10-2-3 SUBASSEMBLY A (A096)
 - BD 1-10-2-4 POWER/IMBALANCE/FLOW TRIP
 - BE 1-10-2-5 SUBASSEMBLY A (P002)
 - BF 1-10-2-6 HIGH P.C. BUILDING PRESSURE TRIP
 - BG 1-10-2-7 SUBASSEMBLY A (B002)
 - BH 1-10-2-8 OVERPOWER TRIP TO ANNUN.
- ANALOG OUTPUTS
- BA 1-10-3-11 SUBASSEMBLY A
 - BB 1-10-3-12 REACTOR PWR RANGE LVL SWTP PT 12
 - BC 1-10-3-9 SUBASSEMBLY A
 - BD 1-10-3-10 REACTOR SOURCE RANGE LVL SWTP PT 30
 - BE 1-10-3-11 SUBASSEMBLY A

- NOTES:
1. DETECTOR CABLE (DETECTOR ASSEMBLY TO THIMBLE EXIT).
 2. INTERFACE OF DETECTOR CABLE AND SYSTEM CABLE AT THIMBLE EXIT.
 3. REACTOR BUILDING PENETRATIONS.
 4. DETECTOR SYSTEM CABLE, RG11/U TRIAXIAL OR EQUIVALENT. ELECTROMAGNETIC SHIELDING IS REQUIRED (SEE WIRING REQUIREMENTS, SECTION 3.5.4). ARMORED CLAD TRIAXIAL CABLE IS RECOMMENDED.
 5. TWINAX CABLE RECOMMENDED.
 6. 4/C SHIELDED CABLE. GROUND SHIELD IN THIS CABINET.
 7. 1-10-1-1 CB ← CONNECTOR BOX
 8. ALL WIRING ON THIS DRAWING MUST COMPLY WITH PHYSICAL ISOLATION REQUIREMENTS SECTION 1.2 OF 880 NUCLEAR INSTRUMENTATION WIRING REQUIREMENTS, WITH RESPECT TO IDENTICAL (FUNCTIONALLY) MEASUREMENT CHANNELS IN THE OTHER SUBASSEMBLIES.
 9. SAFETY GROUND BUS BAR LOCATED ON LOWER RIGHT HAND MOUNTING RAILS.
 10. USE TWISTED PAIR.

NO.	DATE	REVISION	BY	CHK'D	ENGR.	CHRG. SUPV.	RELE. SUPV.
T3	5/11/64	INC. DUN 14-0644-001-073 REV. 0	SEN	SPH			SNL
T2	5/16/67	INC. DCN M-536-12-5 PER ECR 06-0071 (CR 06-01112) (REDRAWN)					INITIALS ON FILE

7749-M-536-12-~~X~~-~~X~~-14

THIS DWG. WAS REDRAWN/SCANNED ON CADD AND SUPERSEDES SUBMITTAL 12.

DATE	BY	END	APPR	PK	REVISION	NO
1/7/68	SEN					T1
5/16/67	SEN					CE
1/10/67	SEN					RE

SABCOCK & WILCOX DWG NO. 02 1069148 D 00
 THIS DRAWING PREPARED BY SABCOCK & WILCOX UNDER TASK AGREEMENT 74 ON M536-12-5
 REFERENCE DWG. D8047689E
 OTHER 7749-M-536-12-7 BAW-1102
 REFERENCES 1103, 1110, 1115 BAW/BEITHL
 FC*32C TELECON 3-28-80 & 6-4-80

THE TOLEDO EDISON CO.
 TOLEDO, OHIO
 POWER ENGINEERING

EXTERNAL CONNECTION DIAGRAM
SUBASSEMBLY A CABINET 1
NUCLEAR INSTRUMENTATION AND PROTECTION SYSTEM
REACTOR SOURCE RANGE POWER STATION-UNIT 1

DESIGNED BY	DATE	DWG NO.
7749-M-536-12-7	5/16/67	26230 REV. T3

DB 05-20-16 DFN: 1:/ELEC:/M53612.DGN/TIF