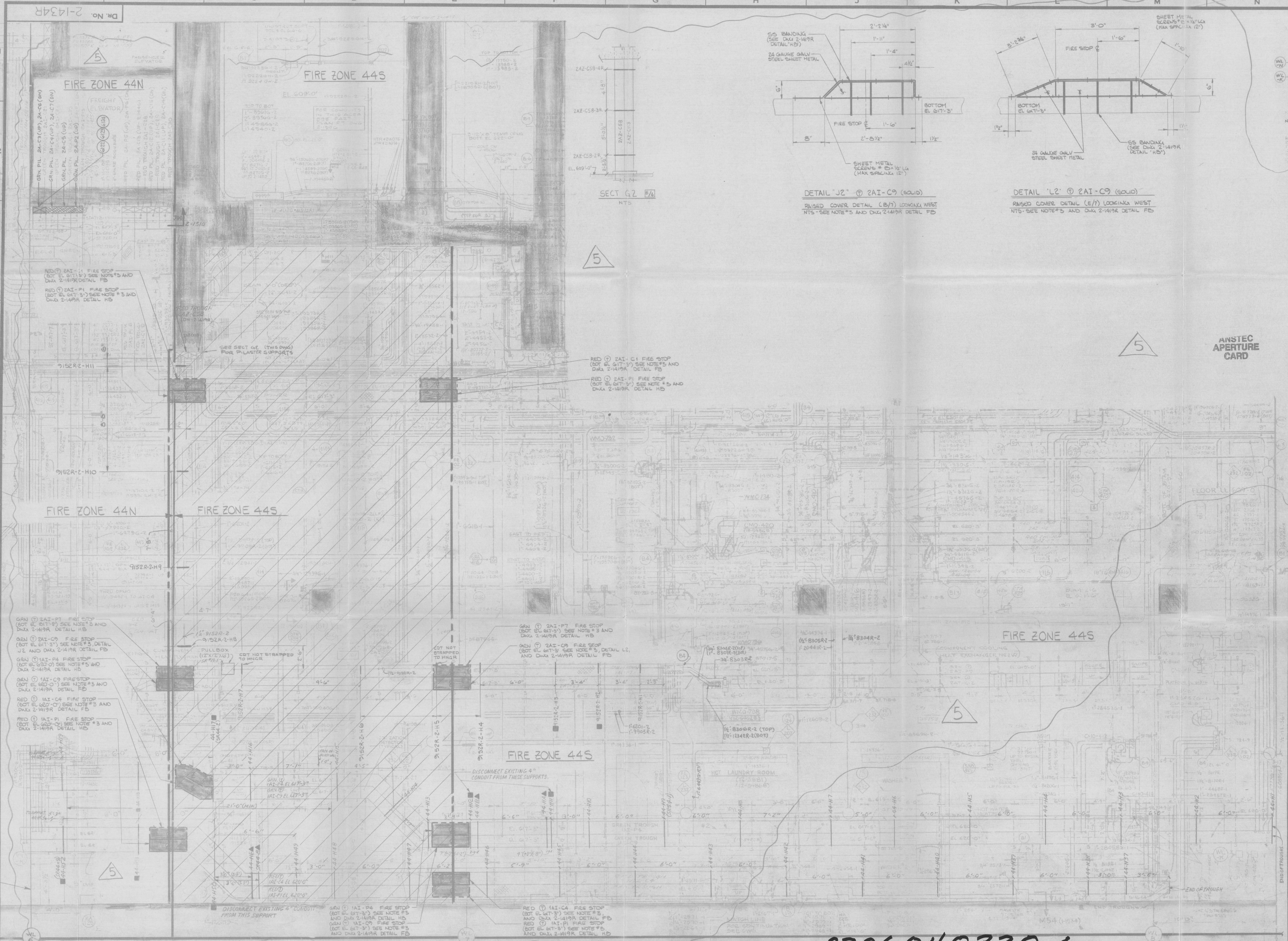

NOTES

1. THIS DWG IS TO BE USED ONLY FOR APPENDIX "R" RACEWAYS WHICH ARE TO BE WRAPPED FOR FIRE PROTECTION
2. ALL CABLE TROUGHS AND CONDUITS WHICH ARE ACCENTUATED, EXCEPT FOR TROUGHS INDICATED IN NOTE #3, ARE FIRE WRAPPED PER SPECIFICATION DCC-FP-107-QCN "TSI FIRE BARRIER SYSTEM: MATERIAL, INSTALLATION AND REPAIR"; AND ARE NO LONGER REQUIRED FOR APPENDIX "R", THE "THERMOLAG (TSI)" WRAP CAN BE REMOVED AS REQUIRED PROVIDED AS-BUILT DWG'S ARE SUBMITTED
3. FIRE STOPS INSTALLED IN THE FOLLOWING TROUGHS PROVIDE A 20'-0" (MIN) (℄ TO ℄) SEPERATION BARRIER

CONTROL (SOLID) TROUGHS (DWG COORD)
2AI-C1 (B/4, E/4)
2AI-C9 (B/7, E/7)
1AI-C9 (B/8, E/9)
1AI-C4 (B/9, E/9)

POWER (VENTILATED) TROUGHS (DWG COORD)
2AI-P1 (B/4, E/4)
2AI-P7 (B/7, E/7)
1AI-P4 (B/8, E/9)
1AI-P1 (B/9, E/9)

TYPICAL DETAIL OF FIRE STOP, SEE DWG 2-1419R DETAIL "FB" AND "HB"

- TROUGH TO BE FULLY ENCLOSED FOR A MINIMUM LENGTH OF 3'-0", ALL HOLES TO BE PLUGGED, CONTROL TROUGH COVERS SECURED EVERY 12", ENCLOSER AROUND POWER TROUGHS TO BE 24 GAUGE STEEL, BANDED IN PLACE USING 3 STEEL BANDS (ONE AT CENTER ± 4" AND TWO AT ENDS WITHIN 2" TO 4" FROM EDGES)
- INSTALL "DOW CORNING RTV 3-6548 SILICONE FOAM SEALANT MATERIAL AT A LENGTH OF 18" +6",-0" (24" MAX) FILLING ENTIRE CROSS SECTION AREA OF ENCLOSER, THE STOP SHALL BE CENTERED WITHIN THE SHEET METAL ENCLOSER WITH ± 6" TOLERANCE.
- NO CONDUIT/CABLE BREAK OUTS PERMITTED IN ENTIRE BARRIER LENGTH (3'-0" MIN)
- RAISED AND CUSTOMIZED COVERS AND/OR ENCLOSERS ARE PERMITTED PROVIDED THE INTENT OF THE BARRIER IS MAINTAINED SEE DETAILS "J2" AND "L2"
- INSTALLATION PER SPEC# DCC-FP101-QCN AND 12-DCP-0054 PACKAGE

▨ INDICATES FIRE SEPERATION AREA
▩ INDICATES NON-APPENDIX "R" RACEWAY WITH THERMOLAG (TSI) WRAP
■ INDICATES SUPPORTS TO BE MODIFIED (NUMBER OF SUPPORTS = 7) SEE SK SSK: 9152R-2-H2, SR44-2, SR44-9, 9152R2-H3.
▲ INDICATES NEW SUPPORT TO BE INSTALLED. (NUMBER OF SUPPORTS = 4) SEE SKETCHES SSK: 44-HA, 44-HB, 44-HE & SR44-8

DATE	NO.	DESCRIPTION	APPD.
6/27/89	4	REVISED CDTS 8303R-2, 8304R-2, 8305R-2, 8306R-2, 8307R-2, 9905R-2, 6201-2, 12342R-2, 20441R-2 (G/7) & SPARE CDT. 64496-1 (G/8) AS PER P.R. #89-534 INFO. ADM. CHANGE	FJ17
		ADDED: FIRE STOPS TO TROUGHS 2AI-C1 (B/4, E/4) 2AI-C9 (B/7, E/7) 1AI-C9 (B/8, E/9) 1AI-C4 (B/9, E/9) 2AI-P1 (B/4, E/4) 2AI-P7 (B/7, E/7) 1AI-P4 (B/8, E/9) 1AI-P1 (B/9, E/9) ▨ FIRE SEPERATION AREA (B-E/3-9), LEGEND (O/5), NOTES 2 & 3, DETAILS J2 AND L2 #1 TO	
5/13/97	5	FIRE ZONE 44 TO 44S (C/6, F/8, L/7) AND 44 TO 44N (A/6, A/1) NON-APP "R" LEGEND (O/5) AND TROUGHS 2A-C4, 2A-C7, 2A-C5 2A-P2 (A/2), NOTE #1, SECTION B9 TO G2 (C/4, G/2) REMOVED: THERMOLAG (TSI) MATERIAL FROM CDT 9152R-2 (C/7, E/7) AND TROUGHS 2AZ-C58 (B/4) 2AZ-C113 (B/4) 1AI-P4 (B-D/8), 1AI-C9 (B-D/8), 1AI-P1 (B-D/9) 1AI-C4 (B-D/9) PER AS-BUILT UNIQUE ID #S 017182 AND 017301 12-DCP-0054 RAO/GP	

REVISIONS

[redacted]

INDIANA & MICHIGAN ELECTRIC CO.

DONALD C. COOK
NUCLEAR PLANT

BRIDGMAN MICHIGAN

PLAN ELEC. EQUIPT CDTS & CBL TROUGHS AUX BLDG BELOW EL 624'-0" & 625'-10"

UNIT NO.2 CIA.42373

DR. NO. 2-1434R-5

ARCH. ACM | ELEC | MECH. | STR.

SCALE: 3/8"=1'-0"
DR. CRB
CH. T. SO
SQ. LDR JRM.
DATE: 9/22/83

APPROVED BY
ENGINEERING DIV R.A. Bynum
DESIGN DIV J. Q. Di Bella

AMERICAN ELECTRIC POWER SERVICE CORP.

AEP3046XY

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