FIRE ZONE #6M

FIRE ZONE #6M

FIRE ZONE #65A

FIRE ZONE #6S

FIRE ZONE #6S

FIRE ZONE #6M

FIRE ZONE #65

FIRE ZONE #65

FIRE ZONE #6S

FIRE ZONE #6M

FIRE ZONE #65B

MATCH LINE
FOR CONTINUATION
SEE DWG. 2-1417R

MATCH LINE
FOR CONTINUATION
SEE DWG. 2-1417R

MATCH LINE
FOR CONTINUATION
SEE DWG. 2-1419R

IMO-275
(2-5431)

TO 2AZ-C86-H4 (DWG 2-1417R)

DR NO 2-1419R

PLAN UNDER EL 609'-0"

NUMBERS IN ◯ REFER TO B/M #7158

NOTES CONTINUED

7. THIS DWG. IS TO BE USED ONLY FOR AMPACITY RACEWAYS WHICH ARE TO BE WRAPPED FOR FIRE PROTECTION

8. ALL CABLE TROUGHS AND CONDUITS WHICH ARE ACCENTUATED EXCEPT FOR TROUGHS INDICATED IN NOTE #9 ARE FIRE WRAPPED PER SPECIFICATION DCC-EP(10)-CM-75 FIRE BARRIER SYSTEM MATERIAL, INSTALLATION AND REPAIR, AND ARE NO LONGER REQUIRED FOR AMPACITY. THE "THERMOLAG" (TS1) WRAP CAN BE REMOVED AS REQUIRED PROVIDED AS-BUILT DWGS ARE SUBMITTED

9. FIRE STOPS INSTALLED IN THE FOLLOWING TROUGHS PROVIDE A 20'-0" (MIN) (¢ TO ¢) SEPERATION BARRIER

CONTROL (SOLID) TROUGHS HORIZONTAL	(DWG CODE) VERTICAL
2AZ-C62 (6/8)	2AZ-C36 (D/6, F/6)
2AE-C62 (B/5)	2AZ-C37 (D/6)
	2AE-C38 (F/6)
	2AS-C62 (F/4)

POWER (VENTILATED) TROUGHS HORIZONTAL	(DWG CODE) VERTICAL
2AZ-P10 (F/8)	2AZ-P3 (C/6)
	2AZ-P5 (F/6)
	2AZ-P6 (E/6)
	2AZ-P10 (D/4)

TYPICAL DETAIL OF FIRE STOP
SEE DETAIL "F8" AND "H8"

- TROUGH TO BE FULLY ENCLOSED FOR A MINIMUM LENGTH OF 8'-0" ALL HOLES TO BE PLUGGED, CONTROL TROUGH COVERED SOLIDLY, 4"WIDE 12" ENCLOSED MIXED POWER TROUGHS TO BE 24 GAUGE STEEL, BANDED IN PLACE USING 3 STEEL BANDS (ONE AT CENTER ±4" AND TWO AT ENDS WITHIN 2"-4" FROM THE EDGES)
- INSTALL DOW CORNING RTV 3-6548 SILICONE FOAM SEALANT MATERIAL AT A MINIMUM OF (1/2) 24 HOUR FILLING RATE OVER CROSS SECTION AREA OF EACH ENCLOSER. THE STOP SHALL BE CENTERED WITHIN THE SHORT METAL ENCLOSURE W/ 3" TOLERANCE
- NO CONDUIT/CABLE BREAK OUTS PERMITTED IN ENTIRE ENCLOSED LENGTH (6'-0" MIN)
- RAISED AND CUSTOMIZED COVERS/ENCLOSURES ARE PERMITTED PROVIDED THE INTENT OF THE BARRIER IS MAINTAINED, SEE DETS "K8", "M8", "F8", "H9", "K9" AND "M9"
- INSTALLATION PER SPEC. "EP(10)-CM-75 AND 12-DCP-0054 "BACKALL"

▲ INDICATES ADDITIONAL SUPPORTS TO BE INSTALLED (NUMBER OF SUPPORTS = #) SEE SK-5, SK-1 SH# 6-10, 17-11, 17-3A, 6A-1, 6A-2, 6A-3, 6A-3, 6A-3A, 6A-4A, 6A-4A, 6A-4B, 6A-4B, 6A-4T, 6A-5, 2AZ-C62-H19A, 2AZ-C62-H10A & 2AZ-C62-H11A

■ INDICATES EXISTING SUPPORTS TO BE MODIFIED (NUMBER OF SUPPORTS = #) SEE SK-5, SK-1 SH# 17-2, 2AZ-C62-H9, 2AS-C62-H10, 2AE-C62-H11, 6A-3A, 6A-4A, 6A-4B, 6A-4T, 6A-4A, 6A-5

▨ INDICATES FIRE SEPERATION AREA

▩ INDICATES NON-APPENDIX "R" RACEWAY WITH THERMOLAG (TS1) WRAP

DATE	NO.	DESCRIPTION	APPD.
5/13/97	6	ADDED FIRE STOPS TO TROUGHS: 2AZ-C62 (6/3, 7/4) 2AZ-P10 (F/5, D/4) 2AZ-P3 (C/6), 2AZ-C36 (D/6, F/6), 2AZ-C37 (D/6), 2AZ-P5 (F/6), 2AE-C38 (F/6), 2AE-P6 (E/6) 2AZ FIRE SEPERATION AREA (E/F, 3-8') LEGENDS (2/6) NOTE #6, #9, DETAILS F8, H8, K8, M8, F9, H9, K9, AND M9 REVISED NOTE #7, FIRE ZONE 6S TO 6BS (M/1, E/7, H/7, J/6) AND 6S TO 6BN (P/1, R/6, E/7), 1HR-3HR APP. 'R' LEGEND (C/6) AND TROUGH 2AB-C35 (A/1) REMOVED THERMOLAG (TS1) FROM TROUGHS 2AB-C60 (B/4), 2AC-C14 (B/6), 2AS-C14 (B/6), 2AB-C60 (B/6), PAN 2AE-C59-H5, 2AZ-C89 (B/5), 2AZ-C86 (B/4) 2AE-C15 (B/4) PORTIONS OF 2AB-C75 (C/4), PAN 2AE-C62-H19, 2AE-C62 (C/4) (A-3) 2AZ-P3 (B/4) 2AE-C36 (B/6) 2AE-C37 (B/6) 2AE-P10 (D/5) REL. AS-BUILT INFORMATION UNIQUE ID'S (T)1763 AND (T)1803 12-DCP-0054	RAD/GF	

REVISIONS

[redacted]

9706040357

INDIANA & MICHIGAN ELECTRIC CO.
DONALD C. COOK
NUCLEAR PLANT
BRIDGMAN MICHIGAN

PLAN-ELECT. EQUIP. CDT'S & CABLE TROUGHS AUX. BLDG. BELOW EL. 609'-0"

UNIT 2 CIA. 42373

DR. NO. 2-1419R-6

ARCH.	ELEC	MECH.	STR.
—	—	—	—

SCALE: 3/4"=1'0
DR. CCS
CH. JTM
SQ. LDR JRM
DATE: 8-5-96

ENGINEERING DIV. R.D. Bajura 1-Mar
DESIGN DIV. W.D. Sepesi

APPROVED BY

AMERICAN ELECTRIC POWER SERVICE CORP.

ANSTEC APERTURE CARD

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DETAIL "F8" TYPICAL ARRANGEMENT OF FIRE STOP IN SOLID (CONTROL) TROUGH (VERT & HORIZ)
NTS - SEE NOTE #9

DETAIL "H8" TYPICAL ARRANGEMENT OF FIRE STOP IN VENTILATED (POWER TROUGH (VERT & HORIZ)
NTS - SEE NOTE #9

DETAIL "K8" ① 2AZ-C36 (SOLID)
RAISED COVER DETAIL (F/6)
NTS - SEE NOTE #9

DETAIL "M8" ① 2AZ-C38 (SOLID)
RAISED COVER DETAIL (F/6)
NTS - SEE NOTE #9

DETAIL "F9" ① 2AZ-C36 & C37 (SOLID)
RAISED COVER DETAIL (D/6)
NTS - SEE NOTE #9

DETAIL "H9" ① 2AZ - P3 (VENTILATED)
NON-TYPICAL COVER DETAIL (C/6)
NTS - SEE NOTE #9

DETAIL "K9" ① 2AZ - C62 (SOLID)
RAISED COVER DETAIL (D/4)
NTS - SEE NOTE #9

DETAIL "M9" ① 2AZ - C62 (SOLID)
RAISED COVER DETAIL (G/5)
NTS - SEE NOTE #9