SENSOR ASSY.	SENSOR	IJBR/CABLE	TERMINAL NO.	PENETRATION	TERMINAL NO.	CABLE	RAIPT (NOTE 2)	CABLE (NOTE 4)	CALIB. PANEL	CALIB PNL TB/TERM	POINT NO./RECORDER
9F	1IM-ITE-015		TB6A4, TB6A5, TB6A6		TB6A4, TB6A5, TB6A6	1IM-ECAI-215	F520-T232				
	1IM-IAFD-015		TB5B8		TB5B8		R223-Q461				
	1IM-ISPD-015G	1IM-IJBR-005	TB5B7		TB5B7		R222-Q117				
1IM-IDPB-015	1IM-ISPD-015F	1IM-ECAI-15	TB5B6	INI-EPEN-019	TB5B6	1IM-ECAI-115	R221-Q116	1IM-ECAI-312/BK	1IM-ICAL-070B	4TB-3/1,2&3	3/1IM-IRC-069B
	1IM-ISPD-015E		TB5B5	EL 634 AZ 121°	TB5B5		R220-Q115				
	1IM-ISPD-015D		TB5B4		TB5B4		R219-Q114	1IM-ECAI-312/W	1IM-ICAL-070B	4TB-11/1,2&3	11/1IM-IRC-069B
	1IM-ISPD-015C		TB5B3		TB5B3		R218-Q113				
	1IM-ISPD-015B		TB5B2		TB5B2		R217-Q112	1IM-ECAI-312/R	1IM-ICAL-070B	4TB-5/4,5&6	17/1IM-IRC-069B
	1IM-ISPD-015A		TB5B1		TB5B1		R216-Q111				
13F	1IM-ITE-016		TB4A10, TB4A11, TB4A12		TB4A10, TB4A11, TB4A12	1IM-ECAI-216	F521-T233				
	1IM-IAFD-016		TB2B8		TB2B8		R231-Q462				
	1IM-ISPD-016G	1IM-IJBR-006	TB2B7		TB2B7		R230-Q124				
1IM-IDPB-016	1IM-ISPD-016F	1IM-ECAI-16	TB2B6	INI-EPEN-018	TB2B6	1IM-ECAI-116	R229-Q123				
	1IM-ISPD-016E		TB2B5	EL 631 AZ 121°	TB2B5		R228-Q122				
	1IM-ISPD-016D		TB2B4		TB2B4		R227-Q121				
	1IM-ISPD-016C		TB2B3		TB2B3		R226-Q120				
	1IM-ISPD-016B		TB2B2		TB2B2		R225-Q119				
	1IM-ISPD-016A		TB2B1		TB2B1		R224-Q118				
3G	1IM-ITE-017		TB6A7, TB6A8, TB6A9		TB6A7, TB6A8, TB6A9	1IM-ECAI-217	F522-T234				
	1IM-IAFD-017		TB7B8		TB7B8		F307-Q463				
	1IM-ISPD-017G	1IM-IJBR-009	TB7B7		TB7B7		F306-Q131				
1IM-IDPB-017	1IM-ISPD-017F	1IM-ECAI-17	TB7B6	INI-EPEN-020	TB7B6	1IM-ECAI-117	F305-Q130	1IM-ECAI-305/G	1IM-ICAL-070A	3TB-3/1,2&3	3/1IM-IRC-069A
	1IM-ISPD-017E		TB7B5	EL 639 AZ 121°	TB7B5		F304-Q129				
	1IM-ISPD-017D		TB7B4		TB7B4		F303-Q128				
	1IM-ISPD-017C		TB7B3		TB7B3		F302-Q127				
	1IM-ISPD-017B		TB7B2		TB7B2		F301-Q126	1IM-ECAI-305/O	1IM-ICAL-070A	3TB-5/4,5&6	17/1IM-IRC-069A
	1IM-ISPD-017A		TB7B1		TB7B1		F300-Q125				
5G	1IM-ITE-018		TB6A10, TB6A11, TB6A12		TB6A10, TB6A11, TB6A12	1IM-ECAI-218	F523-T235				
	1IM-IAFD-018		TB8B8		TB8B8		F315-Q464				
	1IM-ISPD-018G	1IM-IJBR-007	TB8B7		TB8B7		F314-Q136				
1IM-IDPB-018	1IM-ISPD-018F	1IM-ECAI-18	TB8B6	INI-EPEN-020	TB8B6	1IM-ECAI-118	F313-Q137	1IM-ECAI-314/O	1IM-ICAL-070B	4TB-4/1,2&3	4/1IM-IRC-069B
	1IM-ISPD-018E		TB8B5	EL 639 AZ 121°	TB8B5		F312-Q136				
	1IM-ISPD-018D		TB8B4		TB8B4		F311-Q135				
	1IM-ISPD-018C		TB8B3		TB8B3		F310-Q134				
	1IM-ISPD-018B		TB8B2		TB8B2		F309-Q133	1IM-ECAI-314/BL	1IM-ICAL-070B	4TB-6/4,5&6	18/1IM-IRC-069B
	1IM-ISPD-018A		TB8B1		TB8B1		F308-Q132				
7G	1IM-ITE-019		TB6A7, TB6A8, TB6A9		TB6A7, TB6A8, TB6A9	1IM-ECAI-219	F524-T236				
	1IM-IAFD-019		TB7B8		TB7B8		F323-Q465				
	1IM-ISPD-019G	1IM-IJBR-005	TB7B7		TB7B7		F322-Q145				
1IM-IDPB-019	1IM-ISPD-019F	1IM-ECAI-19	TB7B6	INI-EPEN-019	TB7B6	1IM-ECAI-119	F321-Q144				
	1IM-ISPD-019E		TB7B5	EL 634 AZ 121°	TB7B5		F320-Q143				
	1IM-ISPD-019D		TB7B4		TB7B4		F319-Q142				
	1IM-ISPD-019C		TB7B3		TB7B3		F318-Q141				
	1IM-ISPD-019B		TB7B2		TB7B2		F317-Q140				
	1IM-ISPD-019A		TB7B1		TB7B1		F316-Q139				
9G	1IM-ITE-020		TB6A1, TB6A2, TB6A3		TB6A1, TB6A2, TB6A3	1IM-ECAI-220	F525-T237				
	1IM-IAFD-020		TB3B8		TB3B8		F331-Q466				
	1IM-ISPD-020G		TB3B7		TB3B7		F330-Q152				
1IM-IDPB-020	1IM-ISPD-020F	1IM-IJBR-008	TB3B6		TB3B6		F329-Q151				
	1IM-ISPD-020E	1IM-ECAI-20	TB3B5	INI-EPEN-018	TB3B5	1IM-ECAI-120	F328-Q150				
	1IM-ISPD-020D		TB3B4	EL 631 AZ 121°	TB3B4		F327-Q149				
	1IM-ISPD-020C		TB3B3		TB3B3		F326-Q148				
	1IM-ISPD-020B		TB3B2		TB3B2		F325-Q147				
	1IM-ISPD-020A		TB3B1		TB3B1		F324-Q146				
11G	1IM-ITE-021		TB6A4, TB6A5, TB6A6		TB6A4, TB6A5, TB6A6	1IM-ECAI-221	F526-T238				
	1IM-IAFD-021		TB5B8		TB5B8		R307-Q467				
	1IM-ISPD-021G	1IM-IJBR-008	TB5B7		TB5B7	1IM-ECAI-121	R306-Q159				
1IM-IDPB-021	1IM-ISPD-021F	1IM-ECAI-21	TB5B6	INI-EPEN-018	TB5B6		R305-Q158				
	1IM-ISPD-021E		TB5B5	EL 631 AZ 121°	TB5B5		R304-Q157				
	1IM-ISPD-021D		TB5B4		TB5B4		R303-Q156				
	1IM-ISPD-021C		TB5B3		TB5B3		R302-Q155				
	1IM-ISPD-021B		TB5B2		TB5B2		R301-Q154				
	1IM-ISPD-021A		TB5B1		TB5B1		R300-Q153				
13G	1IM-ITE-022		TB6A7, TB6A8, TB6A9		TB6A7, TB6A8, TB6A9	1IM-ECAI-222	F527-T239				
	1IM-IAFD-022		TB7B8		TB7B8		R315-Q468				
	1IM-ISPD-022G		TB7B7		TB7B7		R314-Q166				
1IM-IDPB-022	1IM-ISPD-022F	1IM-IJBR-006	TB7B6		TB7B6		R313-Q165	1IM-ECAI-301/R	1IM-ICAL-070A	3TB-4/1,2&3	4/1IM-IRC-069A
	1IM-ISPD-022E	1IM-ECAI-22	TB7B5	INI-EPEN-018	TB7B5	1IM-ECAI-122	R312-Q164				
	1IM-ISPD-022D		TB7B4	EL 631 AZ 121°	TB7B4		R311-Q163				
	1IM-ISPD-022C		TB7B3		TB7B3		R310-Q162				
	1IM-ISPD-022B		TB7B2		TB7B2		R309-Q161	1IM-ECAI-301/G	1IM-ICAL-070A	3TB-6/4,5&6	8/1IM-IRC-069A
	1IM-ISPD-022A		TB7B1		TB7B1		R308-Q160				
15G	1IM-ITE-023		TB4A1, TB4A2, TB4A3		TB4A1, TB4A2, TB4A3	1IM-ECAI-223	F528-T240				
	1IM-IAFD-023		TB1A8		TB1A8		R323-Q469				
	1IM-ISPD-023G	1IM-IJBR-010	TB1A7		TB1A7		R322-Q173				
1IM-IDPB-023	1IM-ISPD-023F	1IM-ECAI-23	TB1A6	INI-EPEN-015	TB1A6	1IM-ECAI-123	R321-Q172	1IM-ECAI-312/G	1IM-ICAL-070B	4TB-5/1,2&3	5/1IM-IRC-069B
	1IM-ISPD-023E		TB1A5	EL 631 AZ 117°	TB1A5		R320-Q171				
	1IM-ISPD-023D		TB1A4		TB1A4		R319-Q170	1IM-ECAI-312/O	1IM-ICAL-070B	4TB-12/1,2&3	12/1IM-IRC-069B
	1IM-ISPD-023C		TB1A3		TB1A3		R318-Q169				
	1IM-ISPD-023B		TB1A2		TB1A2		R317-Q168	1IM-ECAI-312/BL	1IM-ICAL-070B	4TB-7/4,5&6	19/1IM-IRC-069B
	1IM-ISPD-023A		TB1A1		TB1A1		R316-Q167				
3H	1IM-ITE-024		TB16A1, TB16A2, TB16A3		TB16A1, TB16A2, TB16A3	1IM-ECAI-224	F529-T241				
	1IM-IAFD-024		TB17B8		TB17B8		R331-Q470				
	1IM-ISPD-024G	1IM-IJBR-009	TB17B7		TB17B7		R330-Q180				
1IM-IDPB-024	1IM-ISPD-024F	1IM-ECAI-24	TB17B6	INI-EPEN-020	TB17B6	1IM-ECAI-124	R329-Q179				
	1IM-ISPD-024E		TB17B5	EL 639 AZ 121°	TB17B5		R328-Q178				
	1IM-ISPD-024D		TB17B4		TB17B4		R327-Q177				
	1IM-ISPD-024C		TB17B3		TB17B3		R326-Q176				
	1IM-ISPD-024B		TB17B2		TB17B2		R325-Q175				
	1IM-ISPD-024A		TB17B1		TB17B1		R324-Q174				
4H	1IM-ITE-025		TB16A4, TB16A5, TB16A6		TB16A4, TB16A5, TB16A6	1IM-ECAI-225	F530-T242				
	1IM-IAFD-025		TB15B8		TB15B8		F407-Q471				
	1IM-ISPD-025G	1IM-IJBR-007	TB15B7		TB15B7		F406-Q187				
1IM-IDPB-025	1IM-ISPD-025F	1IM-ECAI-25	TB15B6	INI-EPEN-020	TB15B6	1IM-ECAI-125	F405-Q186				
	1IM-ISPD-025E		TB15B5	EL 639 AZ 121°	TB15B5		F404-Q185				
	1IM-ISPD-025D		TB15B4		TB15B4		F403-Q184				
	1IM-ISPD-025C		TB15B3		TB15B3		F402-Q183				
	1IM-ISPD-025B		TB15B2		TB15B2		F401-Q182				
	1IM-ISPD-025A		TB15B1		TB15B1		F400-Q181				
10H	1IM-ITE-026		TB6A10, TB6A11, TB6A12		TB6A10, TB6A11, TB6A12	1IM-ECAI-226	F531-T243				
	1IM-IAFD-026		TB8B8		TB8B8		F415-Q472				
	1IM-ISPD-026G	1IM-IJBR-008	TB8B7		TB8B7		F414-Q194				
1IM-IDPB-026	1IM-ISPD-026F	1IM-ECAI-26	TB8B6	INI-EPEN-018	TB8B6	1IM-ECAI-126	F413-Q193				
	1IM-ISPD-026E		TB8B5	EL 631 AZ 121°	TB8B5		F412-Q192				
	1IM-ISPD-026D		TB8B4		TB8B4		F411-Q191				
	1IM-ISPD-026C		TB8B3		TB8B3		F410-Q190				
	1IM-ISPD-026B		TB8B2		TB8B2		F409-Q189				
	1IM-ISPD-026A		TB8B1		TB8B1		F408-Q188				
13H	1IM-ITE-027		TB4A4, TB4A5, TB4A6		TB4A4, TB4A5, TB4A6	1IM-ECAI-227	F601-T244				
	1IM-IAFD-027		TB9A8		TB9A8		F423-Q473				
	1IM-ISPD-027G		TB9A7		TB9A7		F422-Q201				
	1IM-ISPD-027F	1IM-IJBR-013	TB9A6		TB9A6		F421-Q200				
1IM-IDPB-027	1IM-ISPD-027E	1IM-ECAI-27	TB9A5	INI-EPEN-015	TB9A5	1IM-ECAI-127	F420-Q199				
	1IM-ISPD-027D		TB9A4	EL 631 AZ 117°	TB9A4		F419-Q198				
	1IM-ISPD-027C		TB9A3		TB9A3		F418-Q197				
	1IM-ISPD-027B		TB9A2		TB9A2		F417-Q196				
	1IM-ISPD-027A		TB9A1		TB9A1		F416-Q195				
1K	1IM-ITE-028		TB16A7, TB16A8, TB16A9		TB16A7, TB16A8, TB16A9	1IM-ECAI-228	F502-T245				
	1IM-IAFD-028		TB13B8		TB13B8		F431-Q474				
	1IM-ISPD-028G		TB13B7		TB13B7		F430-Q208				
	1IM-ISPD-028F	1IM-IJBR-009	TB13B6		TB13B6		F429-Q207				
1IM-IDPB-02	1IM-ISPD-028E	1IM-ECAI-28	TB13B5	INI-EPEN-020	TB13B5	1IM-ECAI-128	F428-Q206				
	1IM-ISPD-028D		TB13B4	EL 639 AZ 121°	TB13B4		F427-Q205				
	1IM-ISPD-028C		TB13B3		TB13B3		F426-Q204				
	1IM-ISPD-028B		TB13B2		TB13B2		F425-Q203				
	1IM-ISPD-028A		TB13B1		TB13B1		F424-Q202				
SENSOR ASSY.	SENSOR	IJBR/CABLE	TERMINAL NO.	PENETRATION	TERMINAL NO.	CABLE	RAIPT (NOTE 2)	CABLE	CALIB. PANEL	CALIB PNL TB/TERM	POINT NO./RECORDER

NOTES:

1. FOR GENERAL NOTES AND REFERENCE DRAWINGS SEE SHEET 1 OF THIS SERIES.
2. RAIPT TERMINAL DESIGNATIONS:

   F605- Q298-
   SIDE
   ROW
   TERMINAL BLOCK
   IDENTIFICATION POINT NUMBER

   F INDICATES FRONT SIDE.
   R INDICATES REAR SIDE.
   ALL SPND AND AFD TERMINALS LOCATED IN BAY 51 OF RAIPT
   ALL TE TERMINALS LOCATED IN BAY 52 OF RAIPT
3. THE COLUMNS OF THIS TABLE PROCEED FROM LEFT TO RIGHT CORRESPONDING TO THE SCHEMATIC ELEMENTS ON SHEET 1
4. FOR MULTIPLE PAIR CABLES THE NUMBER SHOWN IS THE CABLE AND PAIR NUMBER

   ie 1IM-ICAI-215/1
   CABLE NO
   PAIR NO OR COLOR

Docket # 50-438
Control # 8304050536
Date 3-25-83 of Document:
REGULATORY DOCKET FILE

PRC APERTURE CARD

1 | S1 | 7-7-80
REVISED PENETRATION TERMINATIONS

REV NO. | ECN NO. | DATE | DSGN | DRWN | CHKD | SUPV | ENGR | INSP | SUBMITTED | RECOMMENDED | APPROVED

DSGN G.R. BELL/T.J. HOWARD
DRWN R.E. PUCKETT/T. Everett
CHKD
SUPV
INSP
ENGINEER M.W. Stevenson

GENERAL
UNIT 1

SCHEMATIC DIAGRAM

INCORE MONITORING SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

N

INSPECTED AND APPROVED FOR ISSUE

SUBMITTED M.W. Stevenson | RECOMMENDED | APPROVED R.M. Hodges

KNOXVILLE | 1-1-78 | 88 | E | 5GW1640-IM-03 | R1

RECORD DRAWING AS CONSTRUCTED