

ARMY  
NAVY  
AIR FORCE

TM 11-5805-683-34-2-5  
EE11 9-AA-MMI-025/E154 TYC39  
TO 31W2-2TYC39-12-2-5

---

TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT  
MAINTENANCE MANUAL  
FOR

CENTRAL, MESSAGE SWITCHING,  
AUTOMATIC  
AN /TYC-39(V) 1  
(WIRE RUN LISTS)  
(NSN 5805-01-123-1851)

This copy is a reprint which includes current  
pages from Changes 1 AND 2.

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DEPARTMENTS OF THE ARMY, NAVY, AND AIR FORCE

31 MARCH 1983



**5**

**SAFETY STEPS TO FOLLOW IF SOMEONE IS THE VICTIM OF ELECTRICAL SHOCK**

**1**

**DO NOT TRY TO PULL OR GRAB THE INDIVIDUAL**

**2**

**IF POSSIBLE, TURN OFF THE ELECTRICAL POWER**

**3**

**IF YOU CANNOT TURN OFF THE ELECTRICAL POWER, PULL, PUSH, OR LIFT THE PERSON TO SAFETY USING A DRY WOODEN POLE OR A DRY ROPE OR SOME OTHER INSULATING MATERIAL**

**4**

**SEND FOR HELP AS SOON AS POSSIBLE**

**5**

**AFTER THE INJURED PERSON IS FREE OF CONTACT WITH THE SOURCE OF ELECTRICAL SHOCK, MOVE THE PERSON A SHORT DISTANCE AWAY AND IMMEDIATELY START ARTIFICIAL RESUSCITATION**

CHANGE  
No. 2

DEPARTMENTS OF THE ARMY,  
THE NAVY, AND THE AIR FORCE  
Washington, DC, 5 March 1985

**DIRECT SUPPORT AND GENERAL SUPPORT  
MAINTENANCE MANUAL  
CENTRAL, MESSAGE SWITCHING, AUTOMATIC  
AN/TYC-39(V)1 (NSN 5805-01-123-1851)  
AN/TYC-39(V)5 (NSN 5805-01-152-3068)  
(Wire Run Lists)**

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5-1647 through 5-1780  
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5-1803 through 5-1806  
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Change  
No. 1

DEPARTMENTS OF THE ARMY,  
THE NAVY, AND THE AIR FORCE  
Washington, DC, 5 April 1984

**Direct Support and General Support  
Maintenance Manual  
CENTRAL, MESSAGE SWITCHING, AUTOMATIC  
AN/TYC-39(V)1 (NSN 5805-01-123-1851)  
AN/TYC-39(V)5 (NSN 5805-01-152-3068)  
(WIRE RUN LISTS)**

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Dates of issue for original and changed pages are:

Original.....0.....	31 March 1983
Change.....1.....	15 Sept 1983
Change.....2.....	5 March 1985

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 463 CONSISTING OF THE FOLLOWING:

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**TM 11-5805-683-34-2-5  
EE119-AA-MMI-025/E154 TYC39  
TO 31W2-2TYC39-12-2-5**

Technical Manual  
No. 11-5805-683-34-2-5  
Technical Manual  
EE119-AA-MMI-025/E154 TYC39  
Technical Order  
TO 31W2-2TYC39-12-2-5

DEPARTMENTS OF THE ARMY  
THE NAVY, AND THE AIR FORCE  
Washington, DC, 31 March 1983

**DIRECT SUPPORT AND GENERAL SUPPORT  
MAINTENANCE MANUAL  
CENTRAL, MESSAGE SWITCHING, AUTOMATIC  
AN/TYC-39(V)1 (NSN 5805-01-123-1851)  
AN/TYC-39(V)5 (NSN 5805-01-152-3068)  
(Wire Run Lists)**

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**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ME-MP, Fort Monmouth, New Jersey 07703-5007.

For Air Force, submit AFTO Form 22 (Technical Order System Publication Improvement Report and Reply) in accordance with paragraph 6-5, Section VI, T.O. 00-5-1. Forward direct to prime ALC/MST.

For Navy, mail comments to the Commander, Naval Electronics Systems Command, ATTN: ELEX 8122, Washington, DC 20360.

In either case, a reply will be furnished direct to you.

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Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- E 0001 • DWG NO.
- E 0002 •
- E 0003 • REV SHEET 1
- E 0004 •
- CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

E 0001	E 0002	E 0003	E 0004		PIN NO.
..... GRDOTRARV GRDOTRARC	..... GRDOTRBRV GRDOTRBRC	..... GRDOTRBTX GRDOTRBTM	..... GRDOTRATX GRDOTRATM	.....	..... 0001 0001*

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- J 0001 • DWG NO.
- J 0002 •
- J 0004 • REV SHEET 2
- J 0005 •
- J 0007 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES						*=DUPLICATE PIN DATA
J 0001	J 0002	J 0004	J 0005	J 0007	PIN NO.	
.....	.....	.....	.....	.....	.....	
				FORBDATA B	00NC	
				FORBIND B	00NC*	
				FPRBDATA B	00NC*	
CC1INFPA R	CC2INFPA R	QCCM1ST1NR	FQAHCIPER	-5VOTRB	0001	
				FORBDATA S	0002	
CC1INFPA S	CC2INFPA S	QCCM1ST1NS	FQAHCIPES	FORBIND R	0003	
				FPRBDATA S	0004	
CC1INFOA R	CC2INFOA R	QCCM1ST2NR	FQAHMPPER		0005	
CC1INFOA S	CC2INFOA S	QCCM1ST2NS	FQAHMPPEP		0006	
CC1INF1A R	CC2INF1A R	QCC1A21N R	FQBHCIPER		0007	
CC1INF2A R	CC2INF2A R	QCC1B22N R	FQBHMPPER	FTOBSEROAS	0009	
				FTOBSEROAB	0009*	
CC1INF1A S	CC2INF1A S	QCC1A21N S	FQBHCIPES		0010	
CC1INF3A R	CC2INF3A R	QCCM2ST1NR	QFALOSEL R	FLMBDRES A	0011	
CC1INF2A S	CC2INF2A S	QCC1B22N S	FQBHMPPES	FTPBSEROAB	0012	
				FTPBSEROAS	0012*	
CC1INF3A S	CC2INF3A S	QCCM2ST1NS	QFALOSEL S	GRDOTRBRV	0013	
				FORBDATA R	0014	
CC1INF4A R	CC2INF4A R	QCCM2ST2NR	QFBLOSEL R	FORBIND S	0015	
CC1INF4A S	CC2INF4A S	QCCM2ST2NS	QFBLOSEL S	FPRBDATA R	0016	
CC1INF5A R	CC2INF5A R	QCC2A21N R	QFAL2RES R		0017	
CC1INF5A S	CC2INF5A S	QCC2A21N S	QFAL2RES S		0018	
CC1INF6A R	CC2INF6A R	QCC2B22N R	QFALRESL R		0019	
CC1INF7A R	CC2INF7A R	QDTMSN R	QFBL2RES R	GRDOTRBRV	0021	
CC1INF6A S	CC2INF6A S	QCC2B22N S	QFALRESL S	+5VOTRB	0022	
CC1REQOA R	CC2REQOA R	QDRMSBA R	QFBLRESL R	GRDOTRBTX	0023	
CC1INF7A S	CC2INF7A S	QDTMSN S	QFBL2RES S	GRDOTRBTM	0024	
CC1REQOA S	CC2REQOA S	QDRMSBA S	QFBLRESL S		0025	
CC1REQ1A R	CC2REQ1A R	QCCONFIGNR			0027	
CC1REQ1A S	CC2REQ1A S	QCCONFIGNS			0028	
CC1REQ2A R	CC2REQ2A R	QCCSTATN R			0029	
CC1REQ2A S	CC2REQ2A S	QCCSTATN S			0030	
CC1REQ3A R	CC2REQ3A R				0031	

(DATA CONTINUED ON NEXT PAGE)

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- J 0001 • DWG NO.
- J 0002 •
- J 0004 • REV SHEET 3
- J 0005 •
- J 0007 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

J 0001	J 0002	J 0004	J 0005	J 0007	PIN NO.
.....	.....	.....	.....	.....	.....
CC1REQ4A R	CC2REQ4A R				0033
CC1REQ3A S	CC2REQ3A S				0034
CC1REQ4A S	CC2REQ4A S				0035
CC1REQ5A R	CC2REQ5A R				0037
CC1REQ5A S	CC2REQ5A S				0038
CC1REQ6A R	CC2REQ6A R				0039
CC1REQ6A S	CC2REQ6A S	QCRTALM1AS			0040
CC1REQ7A R	CC2REQ7A R				0041
CC1ENBLA R	CC2ENBLA R		FQSTBT8N		0043
CC1REQ7A S	CC2REQ7A S	QCRTALM2AS	FQSTBT9N		0044
CC1CMNDA R	CC2CMNDA R		FQSTBT10N		0045
CC1ENBLA S	CC2ENBLA S	QCRTALM3AS	FQSTBT11N		0046
CC1CMNDA S	CC2CMNDA S	QCRTALM4AS	FQSTBT12N		0047
CC1INDA R	CC2INDA R		FQSTBT13N		0049
CC1INDA S	CC2INDA S	QCRTALM5AS	FQSTBT14N		0050
			FQSTBT15N		0051
			FQSTBT16N		0052
			FQSTBT17N		0053
			FQSTBT20N		0057
			FQSTBT21N		0058
			FQSTBT22N		0059
			FQSTBT23N		0061

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

- J 0008 • DWG NO.
- 
- 
- REV SHEET 4
- 
- 
- CODE IDENT 04655

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

J 0008

PIN  
NO.

SLOT LOCATION, DEVICE / SIGNAL NAMES	PIN NO.
FORAIND B	00NC
FORADATA B	00NC*
FPRADATA B	00NC*
-5VOTRA	0001
FORADATA S	0002
FORAIND R	0003
FPRADATA S	0004
FTOASEROAB	0009
FTOASEROAS	0009*
FLMADRESA	0011
FTPASEROAS	0012
FTPASEROAB	0012*
GRDOTRARV	0013
FORADATA R	0014
FORAIND S	0015
FPRADATA R	0016
GRDOTRARC	0021
+5VOTRA	0022
GRDOTRATX	0023
GRDOTRATM	0024

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

• W 0005 • DWG NO.

ASSY REF DES = MPS

•

•

•

• REV SHEET 5

•

•

SOURCE WIRE LIST =

REV

•

• CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

W 0005

PIN  
NO.

.....  
-5VOTRB

.....  
0001

-5VOTRA

0001\*

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0111 • DWG NO.
- XA 0112 •
- XA 0113 • REV SHEET 6
- XA 0115 •
- XA 0116 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES				*=DUPLICATE PIN DATA	
XA 0111	XA 0112	XA 0113	XA 0115	XA 0116	PIN NO.
.....	.....	.....	GRD115001	FTOASEROAB	0001
				GRD116001	0001*
	CC1CMNDA S	CC2CMNDA S			0002
	CC1CMNDA R	CC2CMNDA R		FRTA25CLA	0003
	CC1ENBLA S	CC2ENBLA S			0004
+5VOTRB			+5V115005	+5V116005	0005
	CC1ENBLA R	CC2ENBLA R			0006
	CC1INDA S	CC2INDA S	FRTA25CLA	FTAAACTVA	0007
	CC1INDA R	CC2INDA R			0008
	CC1INFPA S	CC2INFPA S			0009
	CC1INFPA R	CC2INFPA R			0010
	CC1INFOA S	CC2INFOA S	FORAIND S		0011
	CC1INFOA R	CC2INFOA R	FORAIND R	FTAMUX3A	0012
				FTAMUX2A	0013
				FTAMUX1A	0014
			FORADATAR	FTOASEROAS	0015
			FORADATAS	FTAMUXOA	0016
			FORADATAB		0017
			FORAIND B		0017*
			FRADOR4A	FRTAXTIHA	0019
			FRADOR3A		0020
	CC1INF1A S	CC2INF1A S	FRADOR2A	FCTAENBN	0021
	CC1INF1A R	CC2INF1A R	FRADOR1A		0022
	CC1INF2A S	CC2INF2A S			0023
	CC1INF2A R	CC2INF2A R			0024
	CC1INF4A S	CC2INF4A S		FCTABITON	0025
	CC1INF3A S	CC2INF3A S			0026
	CC1INF4A R	CC2INF4A R		FTAMUX7A	0027
	CC1INF3A R	CC2INF3A R			0028
	CC1INF5A S	CC2INF5A S		FTAMUX5A	0029
	CC1INF5A R	CC2INF5A R			0030
	CC1INF6A S	CC2INF6A S		FTAMUX4A	0031
	CC1INF6A R	CC2INF6A R			0032

(DATA CONTINUED ON NEXT PAGE)



Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0111 • DWG NO.
- XA 0112 •
- XA 0113 • REV SHEET 7
- XA 0115 •
- XA 0116 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

XA 0111	XA 0112	XA 0113	XA 0115	XA 0116	PIN NO.
.....	.....	.....	.....	.....	.....
	CC1INF7A S	CC2INF7A S			0033
	CC1INF7A R	CC2INF7A R		FCTABIT1N	0034
	CC1REQ0A S	CC2REQ0A S	FRADOR8A	FCTACOMN	0035
	CC1REQ0A R	CC2REQ0A R	FRADOR7A		0036
			FRADOR6A	FCTABIT2N	0037
			FRADOR5A		0038
				FCTABIT4N	0039
			FLMADRESA		0046
	CC1REQ1A S	CC2REQ1A S			0048
	CC1REQ1A R	CC2REQ1A R	GRD115055	FCTABIT5N	0049
	CC1REQ2A S	CC2REQ2A S			0050
	CC1REQ2A R	CC2REQ2A R	FRADOR12A	FCTABIT3N	0051
	CC1REQ3A S	CC2REQ3A S			0052
	CC1REQ3A R	CC2REQ3A R	GRD115053	FCTABIT6N	0053
	CC1REQ4A S	CC2REQ4A S	GRD115054		0054
			GRD115055	GRD116055	0055
			GRD115056	GRD116056	0056
	CC1REQ5A S	CC2REQ5A S		FCTABITPN	0057
	CC1REQ4A R	CC2REQ4A R			0058
	CC1REQ6A S	CC2REQ6A S	FRADOR10A	FATATIMRA	0059
	CC1REQ5A R	CC2REQ5A R	FRADOR11A		0060
	CC1REQ6A R	CC2REQ6A R	FRADOR9A		0062
	CC1REQ7A S	CC2REQ7A S	-2V115063	FTAPU1	0063
	CC1REQ7A R	CC2REQ7A R	-2V115064		0064
			-2V133009	FCTABIT7N	0065
			-2V133009		0066
				FTAAMRN	0069
			-5V115071		0071
			-5V115072		0072
			-5V115073	FATAREQ6N	0073
			-5V115074		0074
				FATAREQ4N	0075
			FRAAMRN	FATAREQ5N	0077

(DATA CONTINUED ON NEXT PAGE)

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0111 • DWG NO.
- XA 0112 •
- XA 0113 • REV SHEET 8
- XA 0115 •
- XA 0016 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

XA 0111	XA 0112	XA 0113	XA 0115	XA 0116	PIN NO.
.....	.....	.....	.....	.....	.....
			FRCSELANS	FATAREQ7N	0079
			FRASELBNS		0082
			FRAAIOUTA		0084
			FRAPUA	FATAREQ2N	0085
			FCTABITON		0086
			FCTAENBN	FATAREQON	0087
			FCTABIT1N		0088
				FATAREQ1N	0089
			FRCARPLSA		0090
			FRTAXTIHA		0092
			FRAAPLSA		0094
			FRCADPLSA	FATAREQ3N	0095
			FRCAINDA		0096
			FCTACOMN		0099
			FARH16MZ R	FTAPU1	0101
			FARH16MZ S		0102
			FRAPUA		0103
			+5V115104		0104
			+5V115105		0105
			+5V115106		0106
+5VOTRA			+5V115107	+5V116107	0107
			GRD115108		0108
			GRD115109		0109
			GRD115110		0110
			GRD115111	GRD116111	0111

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0118 • DWG NO.
- XA 0119 •
- XA 0120 • REV SHEET 9
- XA 0121 •
- XA 0125 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES					*=DUPLICATE PIN DATA
XA 0118	XA 0119	XA 0120	XA 0121	XA 0125	PIN NO.
.....	.....	.....	.....	.....	.....
GRD118001	GRD119001	GRD120001	GRD121001	GRD125001	0001
	FTOBSEROAB				0001'
	FRTB25CLA	GRD120055	GRD121055		0003
		GRD120055	GRD121055		0004
+5V118005	+5V119005	+5V120005	+5V121005	+5V125005	0005
		CARQINHBN	CBRQINHBN		0006
FRTB25CLA	FTBBACTVA	CAAADEN	CBBBDEN	FVTA25CLA	0007
		CAYOMPAN	CBYOMPAN		0008
		QFALRESL R	QFBLRESL R		0009
		GRD120055	GRD121055		0010
FORBIND S		QFALRESL S	QFBLRESL S	FBRAIND S	0011
FORBIND R	FTBMUX3A	CC1REQOA S	CC2REQOAS	FBRAIND R	0012
	FTBMUX2A	FRADOR8A	FRBDOR8A		0013
	FTBMUX1A	CC1REQ1A S	CC2REQ1AS		0014
FORBDATA R	FTOBSEROAS	FRADOR7A	FRBDOR7A	FPRADATAR	0015
FORBDATA S	FTBMUXOA	CC1REQ1A R	CC2REQ1AR	FPRADATAS	0016
FORBDATA B				FPRADATAB	0017
FORBIND B					0017*
FRBDOR4A	FRTBXTIHA	CC1REQ3A R	CC2REQ3AR	FVADOR4A	0019
FRBDOR3A		FCAPU1	FCBPU1	FVADOR3A	0020
FRBDOR2A	FCTBENBN	CC1REQ2A R	CC2REQ2AR	FVADOR2A	0021
FRBDOR1A		CCAIOXRESN	CCBIOXRESN	FRCDOR1A	0022
		GRD120055	GRD121055		0024
	FCTBBITON	CC1REQOA R	CC2REQOAR		0025
		FRCAINDA	FRCBINDA		0026
	FTBMUX7A	FRADOR10A	FRBDOR10A		0027
		FRCARPLSA	FRCBRPLSA		0028
	FTBMUX5A	FRADOR9A	FRBDOR9A		0029
		FRADOR3A	FRBDOR3A		0030
	FTBMUX4A	CC1REQ3A S	CC2REQ3AS		0031
		CC1REQ5A S	CC2REQ5AS		0032
		CC1REQ2A S	CC2REQ2AS		0033
	FCTBBIT1N	CC1REQ4A S	CC2REQ4AS		0034

(DATA CONTINUED ON NEXT PAGE)

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0118 • DWG NO.
- XA 0119 •
- XA 0120 • REV SHEET 10
- XA 0121 •
- XA 0125 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES					*=DUPLICATE PIN DATA
XA 0118	XA 0119	XA 0120	XA 0121	XA 0125	PIN NO.
FRBDOR8A	FCTBCOMN	FRADOR4A	FRBDOR4A	FVADOR8A	0035
FRBDOR7A		CC1REQ5A R	CC2REQ5AR	FVADOR7A	0036
FRBDOR6A	FCTBBIT2N	CC1REQ7A R	CC2REQ7AR	FVADOR6A	0037
FRBDOR5A		FRCADPLSA	FRCBDPLSA	FVADOR5A	0038
	FCTBBIT4N	CC1REQ6A R	CC2REQ6AR		0039
		FCTAENBN	FCTBENBN		0040
		CC1REQ4A R	CC2REQ4AR		0041
		FCTACOMN	FCTBCOMN		0042
		FCTABITPN	FCTBBITPN		0044
		FRADOR6A	FRBDOR6A		0045
FLMBDRESA		CC1ENBLA R	CC2ENBLA R	FBRAARES	0046
GRD118055	FCTBBIT5N	FRADOR5A	FRBDOR5A	GRD125055	0049
		FRADOR1A	FRBDOR1A		0050
FRBDOR12A	FCTBBIT3N	CC1REQ7A S	CC2REQ7AS	FRCDOR12A	0051
		CC1INDA S	CC2INDA S		0052
GRD118053	FCTBBIT6N	CC1REQ6A S	CC2REQ6AS	GRD125053	0053
GRD118054		CC1INFPA R	CC2INFPA R	GRD125054	0054
GRD118055	GRD119055	GRD120055	GRD121055	GRD125055	0055
GRD118056	GRD119056	GRD120056	GRD121056	GRD125056	0056
	FCTBBITPN	CC1INFPA S	CC2INFPA S		0057
		CC1INDA R	CC2INDA R		0058
FRBDOR10A	FCTBTIMRA	FCTABIT6N	FCTBBIT6N	FVADOR10A	0059
FRBDOR11A		CC1CMNDA R	CC2CMNDAR	FVADOR11A	0060
FRBDOR9A		FCAPU1	FCBPU1	FVADOR9A	0062
-2V118063	FTBPU1	FRADOR3A	FRBDOR3A	-2V125063	0063
-2V118064		CC1ENBLA S	CC2ENBLA S	-2V125064	0064
-2V135009	FCTBBIT7N	FRADOR2A	FRBDOR2A	-2V133007	0065
-2V135009		CC1CMNDA S	CC2CMNDAS	-2V133007	0066
		CAPWRRES	CBPWRRES		0068
	FTBBMRN	CC1INF4A S	CC2INF4A S		0069
		CC1INF5A S	CC2INF5A S		0070
-5V118071		-5V120071	-5V121071	-5V125071	0071
-5V118072		CC1INF4A R	CC2INF4A R	-5V125072	0072

(DATA CONTINUED ON NEXT PAGE)

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0118 • DWG NO.
- XA 0119 •
- XA 0120 • REV SHEET 11
- XA 0121 •
- XA 0125 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES					*=DUPLICATE PIN DATA	
XA 0118	XA 0119	XA 0120	XA 0121	XA 0125	PIN NO.	
.....	.....	.....	.....	.....	.....	
-5V118073	FBTBREQ6N	CC1INF7A R	CC2INF7A R	-5V125073	0073	
-5V118074		FRADOR7A	FRBDOR7A	-5V125074	0074	
	FBTBREQ4N	CC1INF6A R	CC2INF6A R		0075	
		FRADOR6A	FRBDOR6A		0076	
FRBBMRN	FBTBREQ5N	CC1INF5A R	CC2INF5A R	FRCCMRN	0077	
		CC1INF1A S	CC2INF1A S		0078	
FRBSELANS	FBTBREQ7N	FRADOR5A	FRBDOR5A	FRESELANS	0079	
		CC1INF7A S	CC2INF7A S		0080	
		FRADOR4A	FRBDOR4A		0081	
FRCSELBNS		CC1INF6A S	CC2INF6A S	FRESELBNS	0082	
FRBBIOUTA		FCTABIT7N	FCTBBIT7N	FRCCIOUTA	0084	
FRBPUA	FBTBREQ2N	FCTABIT5N	FCTBBIT5N	FCRCIDINN	0085	
FCTBBITON		FCTABIT4N	FCTBBIT4N	FCRCBITON	0086	
FCTBENBN	FBTBREQON	FCTABIT2N	FCTBBIT2N	FCRCBITN	0087	
FCTBBIT1N		CC1INF3A R	CC2INF3A R	FCRCBIT1N	0088	
	FBTBREQ1N	CC1INFOA S	CC2INFOA S		0089	
FRCBRPLSA		CC1INF2A R	CC2INF2A R	FRCCRPLSA	0090	
FRTBXTIHA		CC1INFOA R	CC2INFOA R	FRSAXTIHA	0092	
FRBBPLSA		CC1INF1A R	CC2INF1A R	FRDAPLSA	0094	
FRCBDPLSA	FBTBREQ3N	CC1INF2A S	CC2INF2A S	FRCCDPLSA	0095	
FRCBINDA		CAASLRNS	CBBSLRNS	FRCCINDA	0096	
FCTBCOMN		CAASLRN2	CBBSLRN2	FCRCCBITN	0099	
		CC1INF3A S	CC2INF3A S		0100	
FBRH16MZ R	FTBPU1	FCTABIT3N	FCTBBIT3N	FARL16MZ R	0101	
FBRH16MZ S		FRADOR9A	FRBDOR9A	FARL16MZ S	0102	
FRBPUA		FCTABITON	FCTBBITON	FRCPUA	0103	
+5V118104		FRADOR8A	FRBDOR8A	+5V125104	0104	
+5V118105		FCTABIT1N	FCTBBIT1N	+5V125105	0105	
+5V118106				+5V125106	0106	
+5V118107	+5V119107	+5V120107	+5V121107	+5V125107	0107	
GRD118108				GRD125108	0108	
GRD118109		GRD120055	GRD121055	GRD125109	0109	
GRD118110				GRD125110	0110	

(DATA CONTINUED ON NEXT PAGE)

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

- XA 0118 • DWG NO.
- XA 0119 •
- XA 0120 • REV SHEET 12
- XA 0121 •
- XA 0125 • CODE IDENT 04655

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

SLOT LOCATION, DEVICE / SIGNAL NAMES					*=DUPLICATE PIN DATA
XA 0118	XA 0119	XA 0120	XA 0121	XA 0125	PIN NO.
..... GRD118111	..... GRD119111	..... GRD120111	..... GRD121111	..... GRD125111	..... 0111

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

- XA 0126 • DWG NO.
- XA 0128 •
- XA 0129 • REV SHEET 13
- XA 0130 •
- XA 0131 • CODE IDENT 04655

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

SLOT LOCATION, DEVICE / SIGNAL NAMES			*=DUPLICATE PIN DATA		
XA 0126	XA 0128	XA 0129	XA 0130	XA 0131	PIN NO.
GRD126001	GRD128001	GRD129001	GRD130001	GRD131001	0001
FTPASEROAB		FTPBSEROAB			0001*
FVTA25CLA		FVTB25CLA	GRD130055	GRD131055	0003
			GRD130055	GRD131055	0004
+5V126005	+5V128005	+5V129005	+5V130005	+5V131005	0005
			GRD130055	GRD131055	0006
FTSAACTVA	FVTB25CLA	FTSBACTVA	GRD130055	GRD131055	0007
			FDRMSBA	FDRMSBA	0008
			GRD130055	GRD131055	0009
			FSMAOT25A	FSMAOT25A	0010
	FBRBIND S		GRD130055	GRD131055	0011
FTCMUX3A	FBRBIND R	FTDMUX3A	GRD130055	GRD131055	0012
FTCMUX2A		FTDMUX2A	FCCONFIGN	FCCONFIGN	0013
FTCMUX1A		FTDMUX1A	FLMBDRESA	FLMBDRESA	0014
FTPASEROAS	FPRBDATA R	FTPBSEROAS	GRD130055	GRD131055	0015
FTCMUXOA	FPRBDATA S	FTDMUXOA	FAMAINOOA	FBMBINOOA	0016
	FPRBDATA B				0017
GRD126055	FVBDOR4A	GRD129055	GRD130055	GRD131055	0019
	FVBDOR3A		GRD130055	GRD131055	0020
FMTAOUTEN	FVBDOR2A	FMTBOUTEN	GRD130055	GRD131055	0021
	FRDDOR1A		FMTAOUT4N	FMTBOUT4N	0022
			FMTAOUTON	FMTBOUTON	0024
FMTAOUTON		FMTBOUTON	FMTAOUT5N	FMTBOUT5N	0025
			FMTAOUT1N	FMTBOUT1N	0026
FTCMUX7A		FTDMUX7A	FMTAOUT7N	FMTBOUT7N	0027
			FMTAOUT2N	FMTBOUT2N	0028
FTCMUX5A		FTDMUX5A	FMTAOUT6N	FMTBOUT6N	0029
			FMTAOUT3N	FMTBOUT3N	0030
FTCMUX4A		FTDMUX4A	FLMADRESA	FLMADRESA	0031
			FSMAIN05A	FSMAIN05A	0032
			FLMADRESA	FLMBDRESA	0033
FMTAOUT1N		FMTBOUT1N	GRD130055	GRD131055	0034
FMTAOUTCN	FVBDOR8A	FMTBOUTCN	GRD130055	GRD131055	0035

(DATA CONTINUED ON NEXT PAGE)

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0126 • DWG NO.
- XA 0128 •
- XA 0129 • REV SHEET 14
- XA 0130 •
- XA 0131 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES				*=DUPLICATE PIN DATA	
XA 0126	XA 0128	XA 0129	XA 0130	XA 0131	PIN NO.
.....	.....	.....	.....	.....	.....
FMTAOUT2N	FVBDOR7A FVBDOR6A FVBDOR5A	FMTBOUT2N	GRD130055 GRD130055 FCCM1ST2N FCCM2ST2N FCCM1ST1N FCCM2ST1N GRD130055 GRD130055 GRD130055	GRD131055 GRD131055 FCCM1ST2N FCCM2ST2N FCCM1ST1N FCCM2ST1N GRD131055 GRD131055 GRD131055	0036 0037 0038 0039 0040 0041 0042 0044 0045
FMTAOUT4N		FMTBOUT4N	GRD130055 GRD130055 GRD130055	GRD131055 GRD131055 GRD131055	0046 0049 0051
FMTAOUT5N	FBRBBRES GRD128055	FMTBOUT5N	FRDAPLSA GRD130055	FRDBPLSA GRD131055	0050 0052
FMTAOUT3N	FRDDOR12A	FMTBOUT3N	FSMAADR1N	FSMAADR1N	0053
FMTAOUT6N	GRD128053 GRD128054	FMTBOUT6N	FVADOR11A FSMAADR0N	FVBDOR11A FSMAADR0N	0054 0055
GRD126055 GRD126056 FTCPU1	GRD128055 GRD128056	GRD129055 GRD129056 FTDPU1	GRD130055 GRD130056 FSMA180NS FDSAOT4A	GRD131055 GRD131056 FSMA180NS DSBOT4A	0056 0057 0058
FCTCTIMRA	FVBDOR10A FVBDOR11A FVBDOR9A	FDTDTIMRA	FDSAOT5A FDSAOT6A	FMTAOUTCN FMTBOUTCN FDSBOT5A FDSBOT6A	0059 0060 0062
FTCPU1	-2V128063 -2V128064	FTDPU1	FMTAOUTEN FDAAOT7A	FMTBOUTEN FDBBOT7A	0063 0064
FMTAOUT7N	-2V135007 -2V135007	FMTBOUT7N	FVADOR10A FDAAOT28A	FVBDOR10A FDBBOT28A	0065 0066
FTCCMRN		FTDDMRN	FDSAOT15A FDAAOT29A	FDSBOT15A FDBBOT29A	0069 0070
	-5V 128071 -5V128072		FDAAOT30A	FDBBOT30A	0071 0072
FCTCREQ6N	-5V128073 -5V128074	FDTDREQ6N	FDSAOT14A FDAAOT31A	FDSBOT14A FDBBOT31A	0073 0074

(DATA CONTINUED ON NEXT PAGE)



Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0126 • DWG NO.
- XA 0128 •
- XA 0129 • REV SHEET 15
- XA 0130 •
- XA 0131 • CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES			*=DUPLICATE PIN DATA		
XA 0126	XA 0128	XA 0129	XA 0130	XA 0131	PIN NO.
.....	.....	.....	.....	.....	.....
FCTCREQ4N		FDTDREQ4N	FDSAOT13A	FDSBOT13A	0075
			FDSAOT20A	FDSBOT20A	0076
FCTCREQ5N	FRDDMRN	FDTDREQ5N	FDSAOT12A	FDSBOT12A	0077
			FDSAOT21A	FDSBOT21A	0078
FCTCREQ7N	FRDSELANS	FDTDREQ7N	FVADOR9A	FVBDOR9A	0079
			FDSAOT22A	FDSBOT22A	0080
	FRDSELBNS		FDAAOT23A	FDBBOT23A	0082
	FRDDIOUTA		FVADOR2A	FVBDOR2A	0084
FCTCREQ2N	FDRDIDINN	FDTDREQ2N	FDSAOT17A	FDSBOT17A	0085
	FDRDBITON		FVADOR3A	FVBDOR3A	0086
FCTCREQ0N	FDRDEBITN	FDTDREQ0N	FVADOR8A	FVBDOR8A	0087
	FDRDBIT1N		FVADOR4A	FVBDOR4A	0088
FCTCREQ1N		FDTDREQ1N	FDSAOT18A	FDSBOT18A	0089
	FRDDRPLSA		FVADOR5A	FVBDOR5A	0090
	FRSBXTIHA		FDSAOT16A	FDSBOT16A	0092
	FRDBPLSA		FDSAOT24A	FDSBOT24A	0094
FCTCREQ3N	FRDDDPLSA	FDTDREQ3N	FVADOR7A	FVBDOR7A	0095
	FRDDINDA		FDAAOT25A	FDBBOT25A	0096
	FDRDCBITN		FDSAOT19A	FDSBOT19A	0099
			FDSAOT26A	FDSBOT26A	0100
FTCPU1	FBRL16MZ R	FTDPU1	FVADOR6A	FVBDOR6A	0101
	FBRL16MZ S		FDAAOT27A	FDBBOT27A	0102
	FRDPUA		FDSAOT11A	FDSBOT11A	0103
	+5V128104		FDAAOT0A	FDBBOT0A	0104
	+5V128105		FDSAOT10A	FDSBOT10A	0105
	+5V128106		FDSAOT1A	FDSBOT1A	0106
+5V126107	+5V128107	+5V129107	+5V130107	+5V131107	0107
	GRD128108		FDSAOT2A	FDSBOT2A	0108
	GRD128109		FDAAOT8A	FDBBOT8A	0109
	GRD128110		FDSAOT9A	FDSBOT9A	0110
GRD126111	GRD128111	GRD129111	GRD130111	GRD131111	0111
			FDSAOT3A	FDSBOT3A	0112

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0133 • DWG NO.
- XA 0135 •
- XA 0136 • REV SHEET 16
- 
- 
- 
- CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

XA 0133	XA 0135	XA 0136	PIN NO.
GRD133001	GRD135001	GRD136001	0001
		LDRSSAR S	0002
	FACFW1IEA	LDRSSAR R	0003
FSCFW40LA		FQAHMPPE S	0004
+5V133005	+5V135005	+5V136005	0005
FSCFW40EA		FQAHMPPE R	0006
-2V133007	-2V135007	QCCM1ST1NS	0007
		FQAHCIPE R	0008
-2V133009	-2V135009	QCCM1ST1NR	0009
FSCFW40GA		FQAHCIPE S	0010
FDSAOT17A		FCCM1ST1N	0011
FDSAOT16A	FCRTALM1A	FRAHCIPEN	0012
FDSBOT16A	GRD135055	FRBHCIPEN	0013
FQSTBT16N	FDSBOT1A	FRADOR12A	0014
FDSBOT18A	FSAAOTOOA	FQBHMPPE S	0015
FDTMSN	FASBINOOA	FRBDOR12A	0016
FDSAOT20A	GRD135055	QCC1A21N S	0019
FDSBOT17A	FASAINOOA	QCC1A21N R	0020
FDSBOT20A	FDSAOT1A	FQBHMPPE R	0021
FDSAOT19A	FCRTALM2A	FDTMSN	0022
FCC1A21N	FCRTALM3A	QDTMSN S	0024
FDSBOT21A	FDSAOT2A	FCC1A21N	0025
FDSAOT18A	FDSAOT3A	QDTMSN R	0026
FDSAOT21A	FDSBOT2A	QCRTALM4AS	0027
FCC1B22N	FSAAOT05A	FQBHCIPEN R	0028
FDSAOT22A	FDSBOT3A	FQBHCIPEN S	0029
FDSBOT19A	FCRTALM4A	QCCM1ST2NR	0030
FRAHCIPEN	FDSBOT5A	FCRTALM4A	0031
FCC2A21N	FDSBOT4A	QCCM1ST2NS	0032
GRD133055	FDSAOT5A		0033
FCC2B22N	FDSAOT4A	FCCM1ST2N	0034
SPCHANL	FDSAOT6A	S-ALARMOAS	0035
GRD133055	FCRTALM5A	S-ALARMOAR	0036

(DATA CONTINUED ON NEXT PAGE)

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0133 • DWG NO.
- XA 0135 •
- XA 0136 • REV SHEET 17
- 
- 
- 
- CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

XA 0133	XA 0135	XA 0136	PIN NO.
GRD133055	FDSBOT6A	FALARMOA	0037
FDSBOT22A	FSAAOT07A	QCCONFIGNS	0038
GRD133055	GRD135055	QCCONFIGNR	0039
FCCSTATN	GRD135055	S-ALARMOCR	0040
FDSAOT26A	FQSTBT13N	FCCONFIGN	0041
FSAAOT23A	FSAAOT8A	CISSUM S	0042
GRD133055	GRD135055	CISSUM R	0044
FRBHCIPEN	FQSTBT15N	FCRTALM5A	0045
FDSAOT24A	GRD135055	FCRTALM1A	0046
FDSBOT26A	FDSBOT9A	FCCM2ST1N	0049
FDSBOT24A	FQSTBT11N	QCCM2ST1NR	0050
GRD133055	FDSAOT9A	FCCM2ST2N	0051
FACFW80LA		QCCM2ST2NR	0052
GRD133055	FDSAOT10A	QCCM2ST2NS	0053
FACFW80EA		QCCM2ST1NS	0054
GRD133055	GRD135055	GRD136055	0055
GRD133056	GRD135056	GRD136056	0056
GRD133055	FDSBOT1A	QCRTALM1AS	0057
FACFW80GA	FDSAOT11A	FCC1B22N	0058
GRD133055	FDSBOT11A	FCISSUM	0059
	FQSTBT22N	QCRTALM5AS	0060
	FQSTBT12N	FLMBDRESA	0062
		SPICOT1L	0062*
GRD133055	FDSBOT13A	S-ALARMOBS	0063
	FDSBOT12A	FALARMOB	0064
GRD133055	FDSAOT13A	FCC2A21N	0065
GRD133055	FDSAOT12A	SPICIN1L	0066
		QFBL2RES R	0066*
GRD133055	FDSAOT14A	S-ALARMOCS	0069
FQSTBT17N	FDSAOT15A	QCC1B22N S	0070
-5V133071		-5V136071	0071
FSMAIN05A	FQSTBT14N	QDRMSBA S	0072
GRD133055	FDSBOT14A	QDRMSBA R	0073

(DATA CONTINUED ON NEXT PAGE)

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0133 • DWG NO.
- XA 0135 •
- XA 0136 • REV SHEET 18
- 
- 
- 
- CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

XA 0133	XA 0135	XA 0136	PIN NO.
.....	.....	.....	.....
FSAAOT28A	FQSTBT20N	QCC1B22N R	0074
FARH16MZ S	FDSBOT15A	FALARMOC	0075
FSAAOT29A	FSCFW40LA	QCC2A21N R	0076
FARH16MZ R	FSDATSELN	FDRMSBA	0077
FSAAOT30A	FSCFW40EA	QCC2A21N S	0078
FARL16MZ R	FQSTBT9N	FCRTALM2A	0079
FSAAOT31A	FSCFW40GA	QFBL2RES S	0080
		SPICIN2L	0080*
FARL16MZ S	FQSTBT10N	QCCSTATN R	0081
FBRH16MZ S		FCRTALM3A	0082
-12V133083	-12V135083		0083
-12V133084	-12V135084	FCC2B22N	0084
FSAAOT27A		FDRSSAR	0085
FBRH16MZ R		FCCSTATN	0086
GRD133055	FTSAACTVA	S-ALARMOBR	0087
FBRL16MZ R		QCCSTATN S	0088
FSMA180NS	SPICOT1S	S-ALARMODR	0089
QFALOSEL S	SPICOT2S	QCC2B22N R	0090
QFBLOSEL S			0090*
FBRL16MZ S	FQSTBT23N	QCC2B22N S	0092
FASCLKMXN	SPICIN3S	QCRTALM2AS	0093
GRD133055		QCRTALM3AS	0094
QFALOSEL R		S-ALARMODS	0095
QFBLOSEL R			0095*
FRSBXTIHA		FLMADRESA	0096
FRSAXTIHA	FQSTBT21N	SPICIN3L	0099
SPICIN2S		SPICOT2L	0100
FSMAADRON	FTSBACTVA	GRD136055	0101
FSDATSELN	SPICOT3S	QFAL2RES R	0102
FQSTBT8N			0102*
FACAPDATA	SPICOT4S	SPICIN4L	0103
FSMAOT25A		QFAL2RES S	0104
FSMAADR1N	SPICIN4S	SPICOT3L	0105
		FALARMOD	0106

(DATA CONTINUED ON NEXT PAGE)

Table 5-9. LDFOCCS MPS Nest, Signal Location Table - Continued

Signal Location Table

ASSY REF DES = MPS

SOURCE WIRE LIST =

REV

- XA 0133 • DWG NO.
- XA 0135 •
- XA 0136 • REV SHEET 19
- 
- 
- 
- CODE IDENT 04655

SLOT LOCATION, DEVICE / SIGNAL NAMES

\*=DUPLICATE PIN DATA

XA 0133	XA 0135	XA 0136			PIN NO.
.....	.....	.....	.....	.....	.....
+5V133107	+5V135107	+5V136107			0107
		SPICOT5L			0108
		SPICIN5L			0109
FSAAPU1		SPICIN6L			0110
GRD133111	GRD135111	GRD136111			0111
FSAAPU1		SPICOT4L			0112

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List				• DWG NO.	
ASSY REF DES = MPS				• REV SHEET 1	
SOURCE WIRE LIST =		REV		• CODE IDENT 04655	
PIN LOCATIONS		*=OUTPUT		NET NAME	T
J	0008-0022	XA	0111-0107	+5VOTRA	M
J	0007-0022	XA	0111-0005	+5VOTRB	M
XA	0115-0005			+5V115005	
XA	0115-0104			+5V115104	
XA	0115-0105			+5V115105	
XA	0115-0106			+5V115106	
XA	0115-0107			+5V115107	
XA	0116-0005			+5V116005	
XA	0116-0107			+5V116107	
XA	0118-0005			+5V118005	
XA	0118-0104			+5V118104	
XA	0118-0105			+5V118105	
XA	0118-0106			+5V118106	
XA	0118-0107			+5V118107	
XA	0119-0005			+5V119005	
XA	0119-0107			+5V119107	
XA	0120-0005			+5V120005	
XA	0120-0107			+5V120107	
XA	0121-0005			+5V121005	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List		• DWG NO.	
ASSY REF DES = MPS		•	
SOURCE WIRE LIST =		• REV SHEET 2	
	REV	•	
		• CODE IDENT 04655	
PIN LOCATIONS	*=OUTPUT	NET NAME	T
XA 0121-0107		+5V121107	
XA 0125-0005		+5V125005	
XA 0125-0104		+5V125104	
XA 0125-0105		+5V125105	
XA 0125-0106		+5V125106	
XA 0125-0107		+5V125107	
XA 0126-0005		+5V126005	
XA 0126-0107		+5V126107	
XA 0128-0005		+5V128005	
XA 0128-0104		+5V128104	
XA 0128-0105		+5V128105	
XA 0128-0106		+5V128106	
XA 0128-0107		+5V128107	
XA 0129-0005		+5V129005	
XA 0129-0107		+5V129107	
XA 0130-0005		+5V130005	
XA 0130-0107		+5V130107	
XA 0131-0005		+5V131005	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List		• DWG NO.	
ASSY REF DES = MPS		•	
SOURCE WIRE LIST =		• REV SHEET 3	
	REV	•	
		• CODE IDENT 04655	
PIN LOCATIONS	*=OUTPUT	NET NAME	T
XA 0131-0107		+5V131107	
XA 0133-0005		+5V133005	
XA 0133-0107		+5V133107	
XA 0135-0005		+5V135005	
XA 0135-0107		+5V135107	
XA 0136-0005		+5V136005	
XA 0136-0107		+5V136107	
XA 0133-0083		-12V133083	
XA 0133-0084		-12V133084	
XA 0135-0083		-12V135083	
XA 0135-0084		-12V135084	
XA 0115-0063		-2V115063	
XA 0115-0064		-2V115064	
XA 0118-0063		-2V118063	
XA 0118-0064		-2V118064	
XA 0125-0063		-2V125063	
XA 0125-0064		-2V125064	
XA 0128-0063		-2V128063	



Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List		• DWG NO.	
ASSY REF DES = MPS		• REV SHEET 4	
SOURCE WIRE LIST =		• CODE IDENT 04655	
		REV	
PIN LOCATIONS		*=OUTPUT	NET NAME
			T
XA 0128-0064			-2V128064
XA 0125-0066	XA 0133-0007	XA 0125-0065	-2V133007
XA 0115-0066	XA 0133-0009	XA 0115-0065	-2V133009
XA 0128-0066	XA 0135-0007	XA 0128-0065	-2V135007
XA 0118-0066	XA 0135-0009	XA 0118-0065	-2V135009
J 0008-0001	W 0005-0001		-5VOTRA M
J 0007-0001	W 0005-0001		-5VOTRB M
XA 0115-0071			-5V115071
XA 0115-0072			-5V115072
XA 0115-0073			-5V115073
XA 0115-0074			-5V115074
XA 0118-0071			-5V118071
XA 0118-0072			-5V118072
XA 0118-0073			-5V118073
XA 0118-0074			-5V118074
XA 0120-0071			-5V120071
XA 0121-0071			-5V121071
XA 0125-0071			-5V125071

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List		• DWG NO.	
ASSY REF DES = MPS		•	
SOURCE WIRE LIST =		• REV SHEET 5	
	REV	•	
		• CODE IDENT 04655	
PIN LOCATIONS	*=OUTPUT	NET NAME	T
XA 0125-0072		-5V125072	
XA 0125-0072		-5V125072	
XA 0125-0073		-5V125073	
XA 0125-0074		-5V125074	
XA 0128-0071		-5V128071	
XA 0128-0072		-5V128072	
XA 0128-0073		-5V128073	
XA 0128-0074		-5V128074	
XA 0133-0071		-5V133071	
XA 0136-0071		-5V136071	
XA 0120-0007		CAAADEN	
XA 0120-0096		CAASLRNS	
XA 0120-0099		CAASLRN2	
XA 0120-0068		CAPWRRES	
XA 0120-0006		CARQINHBN	
XA 0120-0008		CAYOMPAN	
XA 0121-0007		CBBBDEN	
XA 0121-0096		CBBSLRNS	
XA 0121-0099		CBBSLRN2	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List			• DWG NO.	
ASSY REF DES = MPS			• REV SHEET 6	
SOURCE WIRE LIST =			• CODE IDENT 04655	
REV				
PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA 0121-0068			CBPWRRES	
XA 0121-0006			CBRQINHBN	
XA 0121-0008			CBYOMPBN	
XA 0120-0022			CCAIOXRESN	
XA 0121-0022			CCBIOXRESN	
J 0001-0045	XA 0120-0060	XA 0112-0003	CC1CMNDA	R T
J 0001-0047	XA 0120-0066	XA 0112-0002	CC1CMNDA	S T
J 0001-0043	XA 0120-0046	XA 0112-0006	CC1ENBLA	R T
J 0001-0046	XA 0120-0064	XA 0112-0004	CC1ENBLA	S T
J 0001-0049	XA 0120-0058	XA 0112-0008	CC1INDA	R T
J 0001-0050	XA 0120-0052	XA 0112-0007	CC1INDA	S T
J 0001-0001	XA 0120-0054	XA 0112-0010	CC1INFPA	R T
J 0001-0003	XA 0120-0057	XA 0112-0009	CC1INFPA	S T
J 0001-0005	XA 0120-0092	XA 0112-0012	CC1INFOA	R T
J 0001-0006	XA 0120-0089	XA 0112-0011	CC1INFOA	S T
J 0001-0007	XA 0120-0094	XA 0112-0022	CC1INF1A	R T
J 0001-0010	XA 0120-0078	XA 0112-0021	CC1INF1A	S T
J 0001-0009	XA 0120-0090	XA 0112-0024	CC1INF2A	R T

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List				• DWG NO.			
ASSY REF DES = MPS				• REV SHEET 7			
SOURCE WIRE LIST =				• CODE IDENT 04655			
				REV			
PIN LOCATIONS		*=OUTPUT		NET NAME		T	
J	0001-0012	XA	0120-0095	XA	0112-0023	CC1INF2A	S T
J	0001-0011	XA	0120-0088	XA	0112-0028	CC1INF3A	R T
J	0001-0013	XA	0120-0100	XA	0112-0026	CC1INF3A	S T
J	0001-0015	XA	0120-0072	XA	0112-0027	CC1INF4A	R T
J	0001-0016	XA	0120-0069	XA	0112-0025	CC1INF4A	S T
J	0001-0017	XA	0120-0077	XA	0112-0030	CC1INF5A	R T
J	0001-0018	XA	0120-0070	XA	0112-0029	CC1INF5A	S T
J	0001-0019	XA	0120-0075	XA	0112-0032	CC1INF6A	R T
J	0001-0022	XA	0120-0082	XA	0112-0031	CC1INF6A	S T
J	0001-0021	XA	0120-0073	XA	0112-0034	CC1INF7A	R T
J	0001-0024	XA	0120-0080	XA	0112-0033	CC1INF7A	S T
J	0001-0023	XA	0120-0025	XA	0112-0036	CC1REQOA	R T
J	0001-0025	XA	0120-0012	XA	0112-0035	CC1REQOA	S T
J	0001-0027	XA	0120-0016	XA	0112-0049	CC1REQ1A	R T
J	0001-0028	XA	0120-0014	XA	0112-0048	CC1REQ1A	S T
J	0001-0029	XA	0120-0021	XA	0112-0051	CC1REQ2A	R T
J	0001-0030	XA	0120-0033	XA	0112-0050	CC1REQ2A	S T
J	0001-0031	XA	0120-0019	XA	0112-0053	CC1REQ3A	R T

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List				• DWG NO.			
ASSY REF DES = MPS				• REV SHEET 8			
SOURCE WIRE LIST =				• CODE IDENT 04655			
				REV			
PIN LOCATIONS		*=OUTPUT		NET NAME		T	
J	0001-0034	XA	0120-0031	XA	0112-0052	CC1REQ3A	S T
J	0001-0033	XA	0120-0041	XA	0112-0058	CC1REQ4A	R T
J	0001-0035	XA	0120-0034	XA	0112-0054	CC1REQ4A	S T
J	0001-0037	XA	0120-0036	XA	0112-0060	CC1REQ5A	R T
J	0001-0038	XA	0120-0032	XA	0112-0057	CC1REQ5A	S T
J	0001-0039	XA	0120-0039	XA	0112-0062	CC1REQ6A	R T
J	0001-0040	XA	0120-0053	XA	0112-0059	CC1REQ6A	S T
J	0001-0041	XA	0120-0037	XA	0112-0064	CC1REQ7A	R T
J	0001-0044	XA	0120-0051	XA	0112-0063	CC1REQ7A	S T
J	0002-0045	XA	0121-0060	XA	0113-0003	CC2CMNDA	R T
J	0002-0047	XA	0121-0066	XA	0113-0002	CC2CMNDA	S T
J	0002-0043	XA	0121-0046	XA	0113-0006	CC2ENBLA	R T
J	0002-0046	XA	0121-0064	XA	0113-0004	CC2ENBLA	S T
J	0002-0049	XA	0121-0058	XA	0113-0008	CC2INDA	R T
J	0002-0050	XA	0121-0052	XA	0113-0007	CC2INDA	S T
J	0002-0001	XA	0121-0054	XA	0113-0010	CC2INFPA	R T
J	0002-0003	XA	0121-0057	XA	0113-0009	CC2INFPA	S T
J	0002-0005	XA	0121-0092	XA	0113-0012	CC2INF0A	R T

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List				• DWG NO.				
ASSY REF DES = MPS				• REV SHEET 9				
SOURCE WIRE LIST =				• CODE IDENT 04655				
REV								
PIN	LOCATIONS		*=OUTPUT		NET NAME		T	
J	0002-0006	XA	0121-0089	XA	0113-0011	CC2INF0A	S	T
J	0002-0007	XA	0121-0094	XA	0113-0022	CC2INF1A	R	T
J	0002-0010	XA	0121-0078	XA	0113-0021	CC2INF1A	S	T
J	0002-0009	XA	0121-0090	XA	0113-0024	CC2INF2A	R	T
J	0002-0012	XA	0121-0095	XA	0113-0023	CC2INF2A	S	T
J	0002-0011	XA	0121-0088	XA	0113-0028	CC2INF3A	R	T
J	0002-0013	XA	0121-0100	XA	0113-0026	CC2INF3A	S	T
J	0002-0015	XA	0121-0072	XA	0113-0027	CC2INF4A	R	T
J	0002-0016	XA	0121-0069	XA	0113-0025	CC2INF4A	S	T
J	0002-0017	XA	0121-0077	XA	0113-0030	CC2INF5A	R	T
J	0002-0018	XA	0121-0070	XA	0113-0029	CC2INF5A	S	T
J	0002-0019	XA	0121-0075	XA	0113-0032	CC2INF6A	R	T
J	0002-0022	XA	0121-0082	XA	0113-0031	CC2INF6A	S	T
J	0002-0021	XA	0121-0073	XA	0113-0034	CC2INF7A	R	T
J	0002-0024	XA	0121-0080	XA	0113-0033	CC2INF7A	S	T
J	0002-0023	XA	0121-0025	XA	0113-0036	CC2REQ0A	R	T
J	0002-0025	XA	0121-0012	XA	0113-0035	CC2REQ0A	S	T
J	0002-0027	XA	0121-0016	XA	0113-0049	CC2REQ1A	R	T

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List		• DWG NO.		
ASSY REF DES = MPS		• REV SHEET 11		
SOURCE WIRE LIST =		• CODE IDENT 04655		
		REV		
PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA 0133-0058			FACFW80GA	
XA 0133-0052			FACFW80LA	
XA 0136-0037			FALARMOA	
XA 0136-0064			FALARMOB	
XA 0136-0075			FALARMOB	
XA 0136-0106			FALARMOD	
XA 0130-0016			FAMAINOOA	
XA 0133-0077	XA 0115-0101		FARH16MZ	R T
XA 0133-0075	XA 0115-0102		FARH16MZ	S T
XA 0133-0079	XA 0125-0101		FARL16MZ	R T
XA 0133-0081	XA 0125-0102		FARL16MZ	S T
XA 0135-0020			FASAINOOA	
XA 0135-0016			FASBINOOA	
XA 0133-0093			FASCLKMXN	
XA 0116-0087			FATAREQON	
XA 0116-0089			FATAREQ1N	
XA 0116-0085			FATAREQ2N	
XA 0116-0095			FATAREQ3N	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued

Signal String List				•DWG NO.			
ASSY REF DES = MPS				•REV SHEET 10			
SOURCE WIRE LIST =				•CODE IDENT 04655			
REV							
PIN	LOCATIONS	*=OUTPUT		NETNAME		T	
J	0002-0028	XA	0121-0014	XA	0113-0048	CC2REQ1A	S T
J	0002-0029	XA	0121-0021	XA	0113-0051	CC2REQ2A	R T
J	0002-0030	XA	0121-0033	XA	0113-0050	CC2REQ2A	S T
J	0002-0031	XA	0121-0019	XA	0113-0053	CC2REQ3A	R T
J	0002-0034	XA	0121-0031	XA	0113-0052	CC2REQ3A	S T
J	0002-0033	XA	0121-0041	XA	0113-0058	CC2REQ4A	R T
J	0002-0035	XA	0121-0034	XA	0113-0054	CC2REQ4A	S T
J	0002-0037	XA	0121-0036	XA	0113-0060	CC2REQ5A	R T
J	0002-0038	XA	0121-0032	XA	0113-0057	CC2REQ5A	S T
J	0002-0039	XA	0121-0039	XA	0113-0062	CC2REQ6A	R T
J	0002-0040	XA	0121-0053	XA	0113-0059	CC2REQ6A	S T
J	0002-0041	XA	0121-0037	XA	0113-0064	CC2REQ7A	R T
J	0002-0044	XA	0121-0051	XA	0113-0063	CC2REQ7A	S T
XA	0136-0044					CISSUM	R
XA	0136-0042					CISSUM	S
XA	0133-0103					FACAPDATA	
XA	0135-0003					FACFW1IEA	
XA	0133-0054					FACFW80EA	



Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	
		•	<b>REV SHEET 12</b>
		•	
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0116-0075		FATAREQ4N	
XA	0116-0077		FATAREQ5N	
XA	0116-0073		FATAREQ6N	
XA	0116-0079		FATAREQ7N	
XA	0116-0059		FATATIMRA	
XA	0131-0016		FBMBINOOA	
XA	0125-0046		FBRAARES	
XA	0125-0012		FBRAIND	R
XA	0125-0011		FBRAIND	S
XA	0128-0046		FBRBBRES	
XA	0128-0012		FBRBIND	R
XA	0128-0011		FBRBIND	S
XA	0133-0086	XA 0118-0101	FBRH16MZ	R T
XA	0133-0082	XA 0118-0102	FBRH16MZ	S T
XA	0133-0088	XA 0128-0101	FBRL16MZ	R T
XA	0133-0092	XA 0128-0102	FBRL16MZ	S T
XA	0119-0087		FBTBREQ0N	
XA	0119-0089		FBTBREQ1N	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 13</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT		NET NAME	T	
XA	0119-0085			FBTBREQ2N		
XA	0119-0095			FBTBREQ3N		
XA	0119-0075			FBTBREQ4N		
XA	0119-0077			FBTBREQ5N		
XA	0119-0073			FBTBREQ6N		
XA	0119-0079			FBTBREQ7N		
XA	0119-0059			FBTBTIMRA		
XA	0120-0020	XA	0120-0062	FCAPU1		
XA	0121-0020	XA	0121-0062	FCBPU1		
XA	0136-0011	XA	0131-0040	XA	0130-0040	FCCM1ST1N
XA	0136-0034	XA	0131-0038	XA	0130-0038	FCCM1ST2N
XA	0130-0041	XA	0131-0041	XA	0136-0049	FCCM2ST1N
XA	0130-0039	XA	0131-0039	XA	0136-0051	FCCM2ST2N
XA	0130-0013	XA	0131-0013	XA	0136-0041	FCCONFIGN
XA	0133-0040	XA	0136-0086			FCCSTATN
XA	0133-0024	XA	0136-0025			FCCIA21N
XA	0133-0028	XA	0136-0058			FCC1B22N
XA	0133-0032	XA	0136-0065			FCC2A21N

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 14</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0133-0034	XA 0136-0084	FCC2B22N	
XA	0136-0059		FCISSUM	
XA	0125-0086		FCRCBIT0N	
XA	0125-0088		FCRCBIT1N	
XA	0125-0099		FCRCCBITN	
XA	0125-0087		FCRCEBITN	
XA	0125-0085		FCRCIDINN	
XA	0135-0012	XA 0136-0046	FCRTALM1A	
XA	0135-0022	XA 0136-0079	FCRTALM2A	
XA	0135-0024	XA 0136-0082	FCRTALM3A	
XA	0135-0030	XA 0136-0031	FCRTALM4A	
XA	0135-0036	XA 0136-0045	FCRTALM5A	
XA	0120-0044	XA 0116-0057	FCTABITPN	
XA	0116-0025	XA 0115-0086	XA 0120-0103	FCTABITON
XA	0116-0034	XA 0115-0088	XA 0120-0105	FCTABIT1N
XA	0116-0037	XA 0120-0087		FCTABIT2N
XA	0116-0051	XA 0120-0101		FCTABIT3N
XA	0116-0039	XA 0120-0086		FCTABIT4N

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

SIGNAL STRING LIST  
 ASSY REF DES = MPS  
 SOURCE WIRE LIST =

REV

- DWG NO.
- 
- REV SHEET 15
- 
- CODE IDENT 04655

PIN LOCATIONS		*=OUTPUT		NET NAME	T	
XA	0116-0049	XA	0120-0085	FCTABIT5N		
XA	0116-0053	XA	0120-0059	FCTABIT6N		
XA	0116-0065	XA	0120-0084	FCTABIT7N		
XA	0120-0042	XA	0116-0035	XA	0115-0099	FCTACOMN
XA	0120-0040	XA	0116-0021	XA	0115-0087	FCTAENBN
XA	0121-0044	XA	0119-0057			FCTBBITPN
XA	0119-0025	XA	0118-0086	XA	0121-0103	FCTBBITON
XA	0119-0034	XA	0118-0088	XA	0121-0105	FCTBBIT1N
XA	0119-0037	XA	0121-0087			FCTBBIT2N
XA	0119-0051	XA	0121-0101			FCTBBIT3N
XA	0119-0039	XA	0121-0086			FCTBBIT4N
XA	0119-0049	XA	0121-0085			FCTBBIT5N
XA	0119-0053	XA	0121-0059			FCTBBIT6N
XA	0119-0065	XA	0121-0084			FCTBBIT7N
XA	0121-0042	XA	0119-0035	XA	0118-0099	FCTBCOMN
XA	0119-0021	XA	0121-0040	XA	0118-0087	FCTBENBN
XA	0126-0087					FCTCREQ0N
XA	0126-0089					FCTCREQ1N

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 16</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

<b>PIN LOCATIONS</b>	<b>*=OUTPUT</b>	<b>NET NAME</b>	<b>T</b>
XA 0126-0085		FCTCREQ2N	
XA 0126-0095		FCTCREQ3N	
XA 0126-0075		FCTCREQ4N	
XA 0126-0077		FCTCREQ5N	
XA 0126-0073		FCTCREQ6N	
XA 0126-0079		FCTCREQ7N	
XA 0126-0059		FCTCTIMRA	
XA 0130-0104		FDAAOTOA	
XA 0130-0082		FDAAOT23A	
XA 0130-0096		FDAAOT25A	
XA 0130-0102		FDAAOT27A	
XA 0130-0066		FDAAOT28A	
XA 0130-0070		FDAAOT29A	
XA 0130-0072		FDAAOT30A	
XA 0130-0074		FDAAOT31A	
XA 0130-0064		FDAAOT7A	
XA 0130-0109		FDAAOT8A	
XA 0131-0104		FDBBOTOA	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 17</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0131-0082		FDBBOT23A	
XA	0131-0096		FDBBOT25A	
XA	0131-0102		FDBBOT27A	
XA	0131-0066		FDBBOT28A	
XA	0131-0070		FDBBOT29A	
XA	0131-0072		FDBBOT30A	
XA	0131-0074		FDBBOT31A	
XA	0131-0064		FDBBOT7A	
XA	0131-0109		FDBBOT8A	
XA	0128-0086		FDRDBIT0N	
XA	0128-0088		FDRDBIT1N	
XA	0128-0099		FDRDCBITN	
XA	0128-0087		FDRDEBITN	
XA	0128-0085		FDRDIDINN	
XA	0130-0008	XA 0131-0008	XA 0136-0077	FDRMSBA
XA	0136-0085			FDRSSAR
XA	0135-0021	XA 0130-0106		FDSAOT1A
XA	0135-0053	XA 0130-0105		FDSAOT10A

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 18</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0135-0058	XA 0130-0103	FDSAOT11A	
XA	0135-0066	XA 0130-0077	FDSAOT12A	
XA	0135-0065	XA 0130-0075	FDSAOT13A	
XA	0135-0069	XA 0130-0073	FDSAOT14A	
XA	0135-0070	XA 0130-0069	FDSAOT15A	
XA	0133-0012	XA 0130-0092	FDSAOT16A	
XA	0133-0011	XA 0130-0085	FDSAOT17A	
XA	0133-0026	XA 0130-0089	FDSAOT18A	
XA	0133-0022	XA 0130-0099	FDSAOT19A	
XA	0135-0025	XA 0130-0108	FDSAOT2A	
XA	0133-0019	XA 0130-0076	FDSAOT20A	
XA	0133-0027	XA 0130-0078	FDSAOT21A	
XA	0133-0029	XA 0130-0080	FDSAOT22A	
XA	0133-0046	XA 0130-0094	FDSAOT24A	
XA	0133-0041	XA 0130-0100	FDSAOT26A	
XA	0135-0026	XA 0130-0112	FDSAOT3A	
XA	0135-0034	XA 0130-0058	FDSAOT4A	
XA	0135-0033	XA 0130-0060	FDSAOT5A	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

**SIGNAL STRING LIST** • **DWG NO.**  
**ASSY REF DES = MPS** • **REV SHEET 19**  
**SOURCE WIRE LIST =** **REV** • **CODE IDENT 04655**

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0135-0035	XA 0130-0062	FDSAOT6A	
XA	0135-0051	XA 0130-0110	FDSAOT9A	
XA	0135-0014	XA 0131-0106	FDSBOT1A	
XA	0135-0057	XA 0131-0105	FDSBOT10A	
XA	0135-0059	XA 0131-0103	FDSBOT11A	
XA	0135-0064	XA 0131-0077	FDSBOT12A	
XA	0135-0063	XA 0131-0075	FDSBOT13A	
XA	0131-0073	XA 0135-0073	FDSBOT14A	
XA	0131-0069	XA 0135-0075	FDSBOT15A	
XA	0133-0013	XA 0131-0092	FDSBOT16A	
XA	0133-0020	XA 0131-0085	FDSBOT17A	
XA	0133-0015	XA 0131-0089	FDSBOT18A	
XA	0133-0030	XA 0131-0099	FDSBOT19A	
XA	0135-0027	XA 0131-0108	FDSBOT2A	
XA	0133-0021	XA 0131-0076	FDSBOT20A	
XA	0133-0025	XA 0131-0078	FDSBOT21A	
XA	0133-0038	XA 0131-0080	FDSBOT22A	
XA	0133-0050	XA 0131-0094	FDSBOT24A	



Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

SIGNAL STRING LIST  
 ASSY REF DES = MPS  
 SOURCE WIRE LIST =

REV

- DWG NO.
- 
- REV SHEET 20
- 
- CODE IDENT 04655

PIN LOCATIONS		*=OUTPUT		NET NAME	T
XA	0133-0049	XA	0131-0100	FDSBOT26A	
XA	0135-0029	XA	0131-0112	FDSBOT3A	
XA	0135-0032	XA	0131-0058	FDSBOT4A	
XA	0135-0031	XA	0131-0060	FDSBOT5A	
XA	0135-0037	XA	0131-0062	FDSBOT6A	
XA	0135-0049	XA	0131-0110	FDSBOT9A	
XA	0129-0087			FDTDREQON	
XA	0129-0089			FDTDREQ1N	
XA	0129-0085			FDTDREQ2N	
XA	0129-0095			FDTDREQ3N	
XA	0129-0075			FDTDREQ4N	
XA	0129-0077			FDTDREQ5N	
XA	0129-0073			FDTDREQ6N	
XA	0129-0079			FDTDREQ7N	
XA	0129-0059			FDTDTIMRA	
XA	0133-0016	XA	0136-0022	FDTMSN	
J	0008-0011	XA	0115-0046	FLMADRESA	
XA	0130-0031	XA	0131-0031	XA 0130-0033	
				XA 0136-0096	
J	0007-0011	XA	0118-0046	FLMBDRESA	
				XA 0130-0014	

(NET CONTINUED ON NEXT PAGE)

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

SIGNAL STRING LIST  
 ASSY REF DES = MPS  
 SOURCE WIRE LIST =

REV

- DWG NO.
- 
- REV SHEET 21
- 
- CODE IDENT 04655

PIN LOCATIONS		*=OUTPUT		NET NAME	T	
XA	0131-0014	XA	0131-0033	XA	0136-0062	
XA	0126-0035	XA	0130-0059			FMTAOUTCN
XA	0126-0021	XA	0130-0063			FMTAOUTEN
XA	0130-0024	XA	0126-0025			FMTAOUT0N
XA	0130-0026	XA	0126-0034			FMTAOUT1N
XA	0130-0028	XA	0126-0037			FMTAOUT2N
XA	0130-0030	XA	0126-0051			FMTAOUT3N
XA	0130-0022	XA	0126-0039			FMTAOUT4N
XA	0130-0025	XA	0126-0049			FMTAOUT5N
XA	0130-0029	XA	0126-0053			FMTAOUT6N
XA	0130-0027	XA	0126-0065			FMTAOUT7N
XA	0129-0035	XA	0131-0059			FMTBOUTCN
XA	0129-0021	XA	0131-0063			FMTBOUTEN
XA	0131-0024	XA	0129-0025			FMTBOUT0N
XA	0131-0026	XA	0129-0034			FMTBOUT1N
XA	0131-0028	XA	0129-0037			FMTBOUT2N
XA	0131-0030	XA	0129-0051			FMTBOUT3N
XA	0131-0022	XA	0129-0039			FMTBOUT4N

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 22</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT		NET NAME	T
XA	0131-0025	XA	0129-0049	FMTBOUT5N	
XA	0131-0029	XA	0129-0053	FMTBOUT6N	
XA	0131-0027	XA	0129-0065	FMTBOUT7N	
J	008-00NC	XA	0115-0017	FORADATA	B S
J	0008-0014	XA	0115-0015	FORADATA	R S
J	0008-0002	XA	0115-0016	FORADATA	S S
J	0008-00NC	XA	0115-0017	FORAIND	B S
J	0008-0003	XA	0115-0012	FORAIND	R S
J	0008-0015	XA	0115-0011	FORAIND	S S
J	0007-00NC	XA	0118-0017	FORBDATA	B S
J	0007-0014	XA	0118-0015	FORBDATA	R S
J	0007-0002	XA	0118-0016	FORBDATA	S S
J	0007-00NC	XA	0118-0017	FORBIND	B S
J	0007-0003	XA	0118-0012	FORBIND	R S
J	0007-0015	XA	0118-0011	FORBIND	S S
J	0008-00NC	XA	0125-0017	FPRADATA	B S
J	0008-0016	XA	0125-0015	FPRADATA	R S
J	0008-0004	XA	0125-0016	FPRADATA	S S

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 23</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

<b>PIN LOCATIONS</b>				<b>*=OUTPUT</b>	<b>NET NAME</b>	<b>T</b>
J	0007-00NC	XA	0128-0017		FPRBDATA	B S
J	0007-0016	XA	0128-0015		FPRBDATA	R S
J	0007-0004	XA	0128-0016		FPRBDATA	S S
J	0005-0001	XA	0136-0008		FQAHCIPE	R T
J	0005-0003	XA	0136-0010		FQAHCIPE	S T
J	0005-0005	XA	0136-0006		FQAHMPPE	R T
J	0005-0006	XA	0136-0004		FQAHMPPE	S T
J	0005-0007	XA	0136-0028		FQBHCIPE	R T
J	0005-0010	XA	0136-0029		FQBHCIPE	S T
J	0005-0009	XA	0136-0021		FQBHMPPE	R T
J	0005-0012	XA	0136-0015		FQBHMPPE	S T
J	0005-0045	XA	0135-0081		FQSTBT10N	
J	0005-0046	XA	0135-0050		FQSTBT11N	
J	0005-0047	XA	0135-0062		FQSTBT12N	
J	0005-0049	XA	0135-0041		FQSTBT13N	
J	0005-0050	XA	0135-0072		FQSTBT14N	
J	0005-0051	XA	0135-0045		FQSTBT15N	
J	0005-0052	XA	0133-0014		FQSTBT16N	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

SIGNAL STRING LIST  
 ASSY REF DES = MPS  
 SOURCE WIRE LIST =

REV

- DWG NO.
- REV SHEET 24
- CODE IDENT 04655

PIN LOCATIONS		*=OUTPUT		NET NAME	T
J	0005-0053	XA	0133-0070	FQSTBT17N	
J	0005-0057	XA	0135-0074	FQSTBT20N	
J	0005-0058	XA	0135-0099	FQSTBT21N	
J	0005-0059	XA	0135-0060	FQSTBT22N	
J	0005-0061	XA	0135-0092	FQSTBT23N	
J	0005-0043	XA	0133-0102	FQSTBT8N	
J	0005-0044	XA	0135-0079	FQSTBT9N	
XA	0115-0084			FRAAIOUTA	
XA	0115-0077			FRAAMRN	
XA	0115-0094			FRAAPLSA	
XA	0115-0022	XA	0120-0050	FRADOR1A	
XA	0120-0027	XA	0115-0059	FRADOR10A	
XA	0115-0060			FRADOR11A	
XA	0136-0014	XA	0115-0051	FRADOR12A	
XA	0115-0021	XA	0120-0065	FRADOR2A	
XA	0115-0020	XA	0120-0030	FRADOR3A	XA 0120-0063
XA	0115-0019	XA	0120-0035	FRADOR4A	XA 0120-0081
XA	0115-0038	XA	0120-0049	FRADOR5A	XA 0120-0079



Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 26</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT		NET NAME	T		
XA	0118-0037	XA	0121-0045	XA	0121-0076	FRBDOR6A	
XA	0118-0036	XA	0121-0015	XA	0121-0074	FRBDOR7A	
XA	0118-0035	XA	0121-0013	XA	0121-0104	FRBDOR8A	
XA	0121-0029	XA	0118-0062	XA	0121-0102	FRBDOR9A	
XA	0136-0013	XA	0133-0045			FRBHCIPEN	
XA	0118-0085	XA	0118-0103			FRBPUA	
XA	0118-0079					FRBSELANS	
XA	0120-0038	XA	0115-0095			FRCADPLSA	
XA	0120-0026	XA	0115-0096			FRCAINDA	
XA	0120-0028	XA	0115-0090			FRCARPLSA	
XA	0121-0038	XA	0118-0095			FRCBDPLSA	
XA	0121-0026	XA	0118-0096			FRCBINDA	
XA	0121-0028	XA	0118-0090			FRCBRPLSA	
XA	0125-0095					FRCCDPLSA	
XA	0125-0096					FRCCINDA	
XA	0125-0084					FRCCIOUTA	
XA	0125-0077					FRCCMRN	
XA	0125-0090					FRCCRPLSA	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 27</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0125-0022		FRCDOR1A	
XA	0125-0051		FRCDOR12A	
XA	0125-0103		FRCPUA	
XA	0115-0079		FRCSELANS	
XA	0118-0082		FRCSELBNS	
XA	0130-0050	XA 0125-0094	FRDAPLSA	
XA	0131-0050	XA 0128-0094	FRDBPLSA	
XA	0128-0095		FRDDDPLSA	
XA	0128-0096		FRDDINDA	
XA	0128-0084		FRDDIOUTA	
XA	0128-0077		FRDDMRN	
XA	0128-0022		FRDDOR1A	
XA	0128-0051		FRDDOR12A	
XA	0128-0090		FRDDRPLSA	
XA	0128-0103		FRDPUA	
XA	0128-0079		FRDSELANS	
XA	0128-0082		FRDSELBNS	
XA	0125-0079		FRESELANS	



Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 28</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0125-0082		FRESELBNS	
XA	0125-0092	XA 0133-0099	FRSAXTIHA	
XA	0128-0092	XA 0133-0096	FRSBXTIHA	
XA	0116-0019	XA 0115-0092	FRTAXTIHA	
XA	0116-0003	XA 0115-0007	FRTA25CLA	
XA	0119-0019	XA 0118-0092	FRTBXTIHA	
XA	0119-0003	XA 0118-0007	FRTB25CLA	
XA	0135-0015		FSAAOTOOA	
XA	0135-0028		FSAAOT05A	
XA	0135-0038		FSAAOT07A	
XA	0133-0042		FSAAOT23A	
XA	0133-0085		FSAAOT27A	
XA	0133-0074		FSAAOT28A	
XA	0133-0076		FSAAOT29A	
XA	0133-0078		FSAAOT30A	
XA	0133-0080		FSAAOT31A	
XA	0135-0042		FSAAOT8A	
XA	0133-0110	XA 0133-0112	FSAAPU1	



Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

**SIGNAL STRING LIST** • **DWG NO.**  
**ASSY REF DES = MPS** • **REV SHEET 30**  
**SOURCE WIRE LIST =** **REV** • **CODE IDENT 04655**

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0116-0063	XA 0116-0101	FTAPU1	
XA	0119-0007		FTBBACTVA	
XA	0119-0069		FTBBMRN	
XA	0119-0016		FTBMUX0A	
XA	0119-0014		FTBMUX1A	
XA	0119-0013		FTBMUX2A	
XA	0119-0012		FTBMUX3A	
XA	0119-0031		FTBMUX4A	
XA	0119-0029		FTBMUX5A	
XA	0119-0027		FTBMUX7A	
XA	0119-0063	XA 0119-0101	FTBPU1	
XA	0126-0069		FTCCMRN	
XA	0126-0016		FTCMUX0A	
XA	0126-0014		FTCMUX1A	
XA	0126-0013		FTCMUX2A	
XA	0126-0012		FTCMUX3A	
XA	0126-0031		FTCMUX4A	
XA	0126-0029		FTCMUX5A	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	
		•	<b>REV SHEET 31</b>
		•	
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT		NET NAME	T
XA	0126-0027			FTCMUX7A	
XA	0126-0057	XA	0126-0063	FTCPU1	
XA	0129-0069			FTDDMRN	
XA	0129-0016			FTDMUX0A	
XA	0129-0014			FTDMUX1A	
XA	0129-0013			FTDMUX2A	
XA	0129-0012			FTDMUX3A	
XA	0129-0031			FTDMUX4A	
XA	0129-0029			FTDMUX5A	
XA	0129-0027			FTDMUX7A	
XA	0129-0057	XA	0129-0063	FTDPU1	
J	0008-0009	XA	0116-0001	FTOASEROAB	C
J	0008-0009	XA	0116-0015	FTOASEROAS	C
J	0007-0009	XA	0119-0001	FTOBSEROAB	C
J	0007-0009	XA	0119-0015	FTOBSEROAS	C
J	0008-0012	XA	0126-0001	FTPASEROAB	C
J	0008-0012	XA	0126-0015	FTPASEROAS	C
J	0007-0012	XA	0129-0001	FTPBSEROAB	C

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 32</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT		NET NAME	T
J	0007-0012	XA	0129-0015	FTPBSEROAS	C
XA	0126-0007	XA	0135-0087	FTSAACTVA	
XA	0129-0007	XA	0135-0101	FTSBACTVA	
XA	0125-0059	XA	0130-0065	FVADOR 10A	
XA	0130-0053	XA	0125-0060	FVADOR11A	
XA	0125-0021	XA	0130-0084	FVADOR2A	
XA	0125-0020	XA	0130-0086	FVADOR3A	
XA	0125-0019	XA	0130-0088	FVADOR4A	
XA	0125-0038	XA	0130-0090	FVADOR5A	
XA	0125-0037	XA	0130-0101	FVADOR6A	
XA	0125-0036	XA	0130-0095	FVADOR7A	
XA	0125-0035	XA	0130-0087	FVADOR8A	
XA	0125-0062	XA	0130-0079	FVADOR9A	
XA	0128-0059	XA	0131-0065	FVBDOR10A	
XA	0131-0053	XA	0128-0060	FVBDOR11A	
XA	0128-0021	XA	0131-0084	FVBDOR2A	
XA	0128-0020	XA	0131-0086	FVBDOR3A	
XA	0128-0019	XA	0131-0088	FVBDOR4A	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 33</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT		NET NAME	T
XA	0128-0038	XA	0131-0090	FVBDOR5A	
XA	0128-0037	XA	0131-0101	FVBDOR6A	
XA	0128-0036	XA	0131-0095	FVBDOR7A	
XA	0128-0035	XA	0131-0087	FVBDOR8A	
XA	0128-0062	XA	0131-0079	FVBDOR9A	
XA	0126-0003	XA	0125-0007	FVTA25CLA	
XA	0129-0003	XA	0128-0007	FVTB25CLA	
J	0008-0021	E	0001-0001	GRDOTRARC	M
J	0008-0013	E	0001-0001	GRDOTRARV	M
J	0008-0024	E	0004-0001	GRDOTRATM	M
J	0008-0023	E	0004-0001	GRDOTRATX	M
J	0007-0021	E	0002-0001	GRDOTRBRC	M
J	0007-0013	E	0002-0001	GRDOTRBRV	M
J	0007-0024	E	0003-0001	GRDOTRBTM	M
J	0007-0023	E	0003-0001	GRDOTRBTX	M
XA	0115-0001			GRD115001	
XA	0115-0053			GRD 115053	
XA	0115-0054			GRD115054	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 34</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0115-0049	XA 0115-0055	GRD115055	
XA	0115-0056		GRD115056	
XA	0115-0108		GRD115108	
XA	0115-0109		GRD115109	
XA	0115-0110		GRD115110	
XA	0115-0111		GRD115111	
XA	0116-0001		GRD116001	
XA	0116-0055		GRD116055	
XA	0116-0056		GRD116056	
XA	0116-0111		GRD116111	
XA	0118-0001		GRD118001	
XA	0118-0053		GRD118053	
XA	0118-0054		GRD118054	
XA	0118-0049	XA 0118-0055	GRD118055	
XA	0118-0056		GRD118056	
XA	0118-0108		GRD118108	
XA	0118-0109		GRD118109	
XA	0118-0110		GRD118110	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 35</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT		NET NAME	T
XA	0118-0111			GRD118111	
XA	0119-0001			GRD119001	
XA	0119-0055			GRD119055	
XA	0119-0056			GRD119056	
XA	0119-0111			GRD119111	
XA	0120-0001			GRD120001	
XA	0120-0003	XA	0120-0004	XA	0120-0010
XA	0120-0024	XA	0120-0055	XA	0120-0109
XA	0120-0056			GRD120056	
XA	0120-0111			GRD120111	
XA	0121-0001			GRD121001	
XA	0121-0003	XA	0121-0004	XA	0121-0010
XA	0121-0024	XA	0121-0055	XA	0121-0109
XA	0121-0056			GRD121056	
XA	0121-0111			GRD121111	
XA	0125-0001			GRD125001	
XA	0125-0053			GRD125053	
XA	0125-0054			GRD125054	
XA	0125-0049	XA	0125-0055	GRD125055	



Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 36</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT	NET NAME	T
XA	0125-0056		GRD125056	
XA	0125-0108		GRD125108	
XA	0125-0109		GRD125109	
XA	0125-0110		GRD125110	
XA	0125-0111		GRD125111	
XA	0126-0001		GRD126001	
XA	0126-0019	XA 0126-0055	GRD126055	
XA	0126-0056		GRD126056	
XA	0126-0111		GRD126111	
XA	0128-0001		GRD128001	
XA	0128-0053		GRD128053	
XA	0128-0054		GRD128054	
XA	0128-0049	XA 0128-0055	GRD128055	
XA	0128-0056		GRD128056	
XA	0128-0108		GRD128108	
XA	0128-0109		GRD128109	
XA	0128-0110		GRD128110	
XA	0128-0111		GRD128111	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

SIGNAL STRING LIST  
 ASSY REF DES = MPS  
 SOURCE WIRE LIST =

• DWG NO.  
 •  
 • REV SHEET 37  
 •  
 • CODE IDENT 04655

REV

PIN LOCATIONS		*=OUTPUT		NET NAME	T	
XA	0129-0001			GRD129001		
XA	0129-0019	XA	0129-0055	GRD129055		
XA	0129-0056			GRD129056		
XA	0129-0111			GRD129111		
XA	0130-0001			GRD130001		
XA	0130-0006	XA	0130-0004	XA	0130-0003	GRD130055
XA	0130-0007	XA	0130-0009	XA	0130-0011	
XA	0130-0012	XA	0130-0015	XA	0130-0021	
XA	0130-0019	XA	0130-0020	XA	0130-0034	
XA	0130-0036	XA	0130-0035	XA	0130-0037	
XA	0130-0042	XA	0130-0044	XA	0130-0046	
XA	0130-0045	XA	0130-0049	XA	0130-0051	
XA	0130-0055					
XA	0130-0056			GRD130056		
XA	0130-0111			GRD130111		
XA	0131-0001			GRD131001		
XA	0131-0006	XA	0131-0004	XA	0131-0003	GRD131055
XA	0131-0007	XA	0131-0009	XA	0131-0011	
XA	0131-0012	XA	0131-0015	XA	0131-0021	
XA	0131-0019	XA	0131-0020	XA	0131-0034	
XA	0131-0036	XA	0131-0035	XA	0131-0037	
XA	0131-0042	XA	0131-0044	XA	0131-0046	
XA	0131-0045	XA	0131-0049	XA	0131-0051	
XA	0131-0055					
XA	0131-0056			GRD131056		

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 38</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

PIN LOCATIONS		*=OUTPUT		NET NAME	T
XA	0131-0111			GRD131111	
XA	0133-0001			GRD133001	
XA	0133-0036	XA	0133-0033	GRD133055	
XA	0133-0039	XA	0133-0044		
XA	0133-0053	XA	0133-0055		
XA	0133-0059	XA	0133-0063		
XA	0133-0066	XA	0133-0069		
XA	0133-0087	XA	0133-0094		
XA	0133-0056				GRD133056
XA	0133-0111			GRD133111	
XA	0135-0001			GRD135001	
XA	0135-0013	XA	0135-0019	GRD135055	
XA	0135-0040	XA	0135-0044		
XA	0135-0055				
XA	0135-0056			GRD135056	
XA	0135-0111			GRD135111	
XA	0136-0001			GRD136001	
XA	0136-0055	XA	0136-0101	GRD136055	
XA	0136-0056			GRD136056	
XA	0136-0111			GRD136111	
XA	0136-0003			LDRSSAR	R
XA	0136-0002			LDRSSAR	S

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 39</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

<b>PIN LOCATIONS</b>				<b>*=OUTPUT</b>	<b>NET NAME</b>	<b>T</b>
J	0004-0001	XA	0136-0009		QCC1STNR	T
J	0004-0003	XA	0136-0007		QCCM1ST1NS	T
J	0004-0005	XA	0136-0030		QCCM1ST2NR	T
J	0004-0006	XA	0136-0032		QCCM1ST2NS	T
J	0004-0011	XA	0136-0050		QCCM2ST1NR	T
J	0004-0013	XA	0136-0054		QCCM2ST1NS	T
J	0004-0015	XA	0136-0052		QCCM2ST2NR	T
J	0004-0016	XA	0136-0053		QCCM2ST2NS	T
J	0004-0027	XA	0136-0039		QCCONFIGNS	T
J	0004-0028	XA	0136-0038		QCCONFIGNS	T
J	0004-0029	XA	0136-0081		QCCSTATN	R T
J	0004-0030	XA	0136-0088		QCCSTATN	S T
J	0004-0007	XA	0136-0020		QCCSA21N	R T
J	0004-0010	XA	0136-0019		QCC1A21N	S T
J	0004-0009	XA	0136-0074		QCC1B22N	R T
J	0004-0012	XA	0136-0070		QCC1B22N	S T
J	0004-0017	XA	0136-0076		QCC2A21N	R T
J	0004-0018	XA	0136-0078		QCC2A21N	R T

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 40</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

<b>PIN LOCATIONS</b>				<b>*=OUTPUT</b>	<b>NET NAME</b>	<b>T</b>
J	0004-0019	XA	0136-0090		QCC2B22N	R T
J	0004-0022	XA	0136-0092		QCC2B22N	S T
J	0004-0040	XA	0136-0057		QCRTALM1AS	
J	0004-0044	XA	0136-0093		QCRTALM2AS	
J	0004-0046	XA	0136-0094		QCRTALM3AS	
J	0004-0047	XA	0136-0027		QCRTALM4AS	
J	0004-0050	XA	0136-0060		QCRTALM5AS	
J	0004-0023	XA	0136-0073		QDRMSBA	R T
J	0004-0025	XA	0136-0072		QDRMSBA	S T
J	0004-0021	XA	0136-0026		QDTMSN	R T
J	0004-0024	XA	0136-0024		QDTMSN	S T
J	0005-0011	XA	0133-0095		QFALOSEL	R T
J	0005-0013	XA	0133-0090		QFALOSEL	S T
J	0005-0019	XA	0120-0009		QFALRESL	R T
J	0005-0022	XA	0120-0011		QFALRESL	S T
J	0005-0017	XA	0136-0102		QFAL2RES	R T
J	0005-0018	XA	0136-0104		QFAL2RES	S T
J	0005-0015	XA	0133-0095		QFBLOSEL	R T

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 41</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

<b>PIN LOCATIONS</b>				<b>*=OUTPUT</b>	<b>NET NAME</b>	<b>T</b>
J	0005-0016	XA	0133-0090		QFBLOSEL	S T
J	0005-0023	XA	0121-0009		QFBLRESL	R T
J	0005-0025	XA	0121-0011		QFBLRESL	S T
J	0005-0021	XA	0136-0066		QFBL2RES	R T
J	0005-0024	XA	0136-0080		QFBL2RES	S T
XA	0136-0036				S-ALARMOAR	
XA	0136-0035				S-ALARMOAS	
XA	0136-0087				S-ALARMOBR	
XA	0136-0063				S-ALARMOBS	
XA	0136-0040				S-ALARMOCR	
XA	0136-0069				S-ALARMOCS	
XA	0136-0089				S-ALARMODR	
XA	0136-0095				S-ALARMODS	
XA	0133-0035				SPCHANL	
XA	0136-0066				SPICIN1L	
XA	0136-0080				SPICIN2L	
XA	0133-0100				SPICIN2S	
XA	0136-0099				SPICIN3L	

Table 5-10. LDFOCCS MPS Nest, Signal String List - Continued.

<b>SIGNAL STRING LIST</b>		•	<b>DWG NO.</b>
<b>ASSY REF DES = MPS</b>		•	<b>REV SHEET 42</b>
<b>SOURCE WIRE LIST =</b>	<b>REV</b>	•	<b>CODE IDENT 04655</b>

<b>PIN LOCATIONS</b>	<b>*=OUTPUT</b>	<b>NET NAME</b>	<b>T</b>
XA 0135-0093		SPICIN3S	
XA 0136-0103		SPICIN4L	
XA 0135-0105		SPICIN4S	
XA 0136-0109		SPICIN5L	
XA 0136-0110		SPICIN6L	
XA 0136-0062		SPICOT1L	
XA 0135-0089		SPICOT1S	
XA 0136-0100		SPICOT2L	
XA 0135-0090		SPICOT2S	
XA 0136-0105		SPICOT3L	
XA 0135-0102		SPICOT3S	
XA 0136-0112		SPICOT4L	
XA 0135-0103		SPICOT4S	
XA 0136-0108		SPICOT5L	

**Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List.**

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**NOTES**

1. Workmanship per MIL-STD-454, Requirement 9, shall be complied with.
2. Solder per MIL-STD-454, Requirement 5, shall be complied with.
3. Partial reference designations are shown. For complete designations, prefix with unit number or assembly or subassembly designations as applicable.
4. Termination marking required. Marking to be the same as indicated in the applicable Location column unless otherwise specified.
5. Quantity in inches. Cut to  $\frac{3}{4}$ -inch lengths, unless otherwise specified.
6. Strip and tin.
7. Terminate wire using supplied hardware.
8. Length of wire shall permit alternate connection to N1/TB2. Mark per table C and figure 5-11.
9. Wiring supplied. Cut to fit. Terminate using hardware specified.
10. Color coding required. Band marker color per table A. Locate markers as shown in figure 5-19.
11. Unless otherwise specified, all wiring to be point to point.
12. Reference designation as shown in To or From Location column not complete; for complete designation, prefix with XPS.
13. Reference designation as shown in To or From Location column not complete; for complete designation, prefix with E31.
14. Reference designation as shown in To or From Location column not complete; for complete designation, prefix with E32.
15. Reference designation as shown in To or From Location column not complete; for complete designation, prefix with E33.



**Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.**

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**NOTES - Continued**

16. Reference designation as shown in To or From Location column not complete; for complete designation, prefix with E34.
17. Color coding required, band marker color per table A, locate marker as shown in figure 5-18.
18. Two wire ends common to one piece of terminating hardware. Terminate wire when hardware is called out.
19. N1 through N12 in Location column for reference only.
20. Critical lead to be routed through N1T1. See figure 5-9.
21. Critical lead. Length must be 9.0 feet for correct resistance. Extra length may be coiled.
22. Install strain relief sleeving. See figure 5-6 using Find No. 131.
23. Install strain relief sleeving. See figure 5-7 using Find No. 81.
24. See figure 5-8 for terminal identification and orientation of R1.
25. Quantity in inches.
26. Install contacts supplied and sealing plugs (Find No. 95) in unwired contact locations of P4 and J95.
27. Install contacts supplied and sealing plugs (Find No. 92) in unwired contact locations of P1 and J93.
28. Quantity in feet, cut to  $\frac{3}{4}$ -inch lengths unless otherwise specified.
29. Cut to 1- $\frac{1}{4}$ -inch lengths.
30. Contact (Find No. 97) supplied with Connectors J1 and J2; contacts to be soldered or crimped to leads. Crimp Tool, Pico Model 400-B with 414 DA-ON Die; Locator, Pico 4297-3; Installing Tool not necessary; Removal Tool, M81969/27-03.

**Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.****NOTES - Continued**

31. Contact (Find No. 98) supplied with Connectors J1 and J2; contacts to be soldered or crimped to leads. Crimp Tool, Pico Model 400-B with 414 DA-ON die; Locator, MS31506L, Pico 4297-6; Installing Tool not necessary; Removal Tool, M81969/27-06.'
32. Contacts (Find No. 93) supplied with Connector P1; use Crimp Tool, M22520/1-01, M22520/2-01 or M22520/7-02; Positioner, M22520/1-02 red or M22520/7-02 or M22520/2-02; Insertion Tool, M81969/17-03 or M81969/14-02; Extraction Tool M81969/19-07.
33. Contacts (Find No. 96) supplied with Connector P4; use Crimp Tool, M22520/2-01 or M2250/7-01; Positioner, M22520/2-07 or M22520/7-05; Insertion Tool, M81969/14-01 or M81969/8-01; Extraction Tool, M81969/14-01 or M81969/8-02.
34. Contact (Find No. 90) supplied with Connector P8, P53, P54 and P55; use Crimp Tool, M22520/1-01; Positioner M22520/1-02; Insertion Tool, MS24256A16; Extraction Tool, MS24256R16.
35. To interpret data contained in this wire run list, see paragraph 5-3.
36. Critical lead, to be routed through N1T4. See figure 5-10.
37. Critical lead, to be routed through N1T2. See figure 5-9.
38. Critical lead, to be routed through N1T3. See figure 5-9.
39. Outer sleeving to be butted against connector and spot tied with lacing cord (Item 22).
40. Cut termination markers to 3/8-inch lengths. Abut termination markers against rear of internal moisture sealing bushing.
41. Deleted.
42. Discard hardware supplied with meters; use termination hardware supplied.
43. Install contacts supplied and sealing plugs (Find No. 89) in unwired contact locations of P8, P53, P54 and P55.

**Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.**

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**NOTES - Continued**

44. Contact (Find No. 129) supplied with Connector P45; use Crimp Tool, MS22520/1-01 or M22520/2-01 or M22520/7-01; Positioner, M22520/1-02 red or M22520/2-02 or M22520/7-02; Insertion Tool, MS24256A20; Removal Tool, MS24256R20.
45. Deleted.
46. Self lead. Cut to fit.
47. Contact (Find No. 154) supplied with Connectors J1 and J2; contacts to be soldered or crimped to leads. Crimp Tool, Pico 400-B with 414 DA-ON die; Locator, Pico 4297-3; Installing Tool not necessary; Removal Tool, M81969/27-03.
48. Unless otherwise specified, all marking shall be in accordance with MIL-M-81531, hot-stamped black characters centrally located.
49. Install sleeving (Find No. 156) over wire to effect grommet sealing. See figure 5-12.
50. Refer to table B and figure 5-13. Numbers in Group column signify leads to be grouped. Refer to table B for marking and multi-pin connector parts.
51. Run sleeving from connector to raceway only.
52. Lead length required for termination and service loop shall be determined at assembly. Allow sufficient length to facilitate complete extension or serviceability of unit.
53. Spot tie using Find No. 122.
54. Quantity in feet.
55. Color coding shall be solid color, alternate may be white wire with colored band marker in accordance with MIL-STD-618B, and figures 5-18 and 5-19. Alternate construction shall be applicable to wire SM-A-838551 and to M5086 type wire.
56. A plus symbol before a pin (example: J2 - +A) indicates a lower case letter.
57. Deleted.

**Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.**

**NOTES - Continued**

- 58. Remove wire installed by shelter manufacturer.
- 59. See figure 5-14.
- 60. Twist together leads of the same dash number (-1, -2, etc.) of table A. Twist shall be one turn every 3 feet minimum.
- 61. See figure 5-15.
- 62. See figure 5-16.
- 63. See figure 5-17.
- 64. Shield is part of a daisy chain.
- 65. When replacing fan, Part No. SM-C-813298, use fan Part No. SM-A-838898-1. Existing wiring to be removed and rewired, see figure 5-4 and table D.
- \*66. Key numbers indicate wiring groups as follows:
  - A. Harness A
  - B. Harness B
  - C. Raceway
  - D. Power entry panel
  - E. Point to point
  - F. Subassembly
  - G. Cable assembly
  - H. Terminal board to power processor
  - I. Nest B/B to power processor
  - J. Radiation detector.
- 67. Color coding required. Band marker color per table A. Locate markers as shown in figure 5-20.
- 68. Replace existing screws on backshell with Find No. 187.

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

Table A		
Location	Slvg Find No.	Band Marker Color
N2TB11-1	66	Red
N2TB11-2	82	Blk
N2P2-A	66	Red
N2P2-C	82	Blk
N7A23W1-4	81	Blk
N7A23W1-4	80	Blk
N1TB3-1B	82	Blk
N1FL2-LINE	82	Blk
N1TB3-2B	66	Red
N1FL3-LINE	66	Red
N2TB3-3B	142	Blu
N1FL4-LINE	142	Blu
N1CB3-9	63	Red
N1FL1-1	63	Red
N1CB16-2	64	Red
N1A5TB2-1	64	Red
N1S19-3	64	Red
N1A5TB2-1	64	Red
N1S19-2	64	Red
N1A5TB2-2	64	Red
N1E18	144	Grn
N 1E20	144	Grn
N1E19	144	Grn
N1E20	144	Grn
N1CB15-2	65	Red
N1TB7-1	65	Red
N1CB22-2	64	Red
N1TB7-4	64	Red
N1CB23-2	64	Red
N1TB7-5	64	Red
N1CB24-2	64	Red
N1TB7-6	64	Red
N1M7-POS	63	Red

Table A - Continued		
Location	Slvg Find No.	Band Marker Color
N1TB8-5B	63	Red
N1CB28-2	66	Red
N1TB9-1	66	Red
N1CB29-2	66	Red
N1TB9-2	66	Red
N1CB30-2	66	Red
N1TB9-3	66	Red
N1CB31-2	66	Red
N1TB9-4	66	Red
N1CB25-2	65	Red
N1TB9-5	65	Red
N1CB26-2	65	Red
N1TB9-6	65	Red
N1CB27-2	65	Red
N1TB9-7	65	Red
N1CB3-8	80	Blk
N1W1-5	80	Blk
N1CB15-1	65	Red
N1W2-7	65	Red
N1CB16-1	64	Red
N1W2-8	64	Red
N1M7-NEG	150	Blk
N1W1-4	150	Blk
N1CB22-1	64	Red
N1W2-9	64	Red
N1CB23-1	64	Red
N1W2-10	64	Red
N1CB24-1	64	Red
N1W2-20	64	Red
N1CB25-1	65	Red
N1W2-3	65	Red
N1CB26-1	65	Red
N1W2-4	65	Red

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

Table A		
Location	Slvg Find No.	Band Marker Color
N7A23W2-3	80	Blk
N6E31-E5A	66	Red
N7A23W2-1	66	Red
N6E31-E11A	82	Blk
N7A23W2-4	82	Blk
N8E33-E11A	65	Red
N7A23W4-5	65	Red
N7E32-E5A	85	Vio
N7A23W4-3	85	Vio
N8E33-E5A	85	Vio
N7A23W4-4	85	Vio
N7E32TB3-1A	81	Blk
N7A23W4-8	81	Blk
N7E32-E4A	70	Vio
N8E33-E4A	70	Vio
N8E33-E6A	64	Red
N8E33TB3-1A	80	Blk
N7E32TB3-4A	150	Blk
N7E32TB3-4A	150	Blk
N7E32TB3-5A	150	Blk
N7E32TB3-5A	150	Blk
N6E31-E3A	66	Red
N7A23W1-1	66	Red
N6E31-E4A	82	Blk
N7A23W1-3	82	Blk
N7E32-E6A	65	Red
N7A23W3-7	65	Red
N7E32-E4A	85	Vio
N7A23W3-3	85	Vio
N7E32-E3A	85	Vio
N7A23W3-2	85	Vio
N7E32B3-3A	81	Blk
N7A23W3-8	81	Blk

Table A - Continued		
Location	Slvg Find No.	Band Marker Color
N9E34-E3A	66	Red
N8A25W1-1	66	Red
N9E34-E4A	82	Blk
N8A25W1-3	82	Blk
N8E33-E6A	65	Red
N8A25W3-7	65	Red
N7E32-E5A	85	Vio
N8A25W3-3	85	Vio
N8E33-E4A	85	Vio
N8A25W3-2	85	Vio
N8E33-E4A	85	Vio
N8A25W3-4	85	Vio
N8E33TB3-4A	81	Blk
N8A25W3-8	81	Blk
N9E34-E5A	66	Red
N8A25W2-1	66	Red
N9E34-E11A	82	Blk
N8A25W2-4	82	Blk
N8E33-E6A	65	Red
N8A25W4-7	65	Red
N7E32-E5A	85	Vio
N8A25W4-3	85	Vio
N8E33-E4A	85	Vio
N8A25W4-2	85	Vio
N8E33-E5A	85	Vio
N8A25W4-4	85	Vio
N8E33TB3-1A	81	Blk
N8A25W4-8	81	Blk
N6E31-E8A	79	Red
N6XPS12P1-A1	65	Red
N6XPS12P1-A2	81	Blk
N6XPS12P1-A3	65	Red
N6XPS12P1-A4	65	Red

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

Table A		
Location	Slvg Find No.	Band Marker Color
N6XPS12P1-A5	65	Red
N6XPS12P1-A6	81	Blk
N6XPS12P1-A7	81	Blk
N6XPS13P1-A1	65	Red
N6XPS13P1-A2	81	Blk
N6XPS13P1-A3	65	Red
N6XPS13P1-A4	65	Red
N6XPS13P1-A5	65	Red
N6XPS13P1-A6	81	Blk
N6XPS13P1-A7	81	Blk
N6E31-E8B	65	Red
N6E31-E10B	81	Blk
N6E31-E2B	65	Red
N6E31-E2B	65	Red
N6E31-E2B	65	Red
N6E31-E4B	81	Blk
N6E31-E4B	81	Blk
N6E31-E8B	65	Red
N6E31-E10B	81	Blk
N6E31-E3B	65	Red
N6E31-E3B	65	Red
N6E31-E3B	65	Red
N6E31-E4B	81	Blk
N6E31-E11B	81	Blk
N6XPS\$4P1-A1	65	Red
N6XPS14P1-A2	81	Blk
N6XPS14P1-A3	65	Red
N6XPS14P1-A4	65	Red
N6XPS14P1-A5	65	Red
N6XPS14P1-A6	81	Blk
N6XPS14P1-A7	81	Blk
N6XPS13P2-A3	65	Red
N6XPS13P2-A4	65	Red

Table A - Continued		
Location	Slvg Find No.	Band Marker Color
N6XPS13P2-A5	65	Red
N6E31-E8B	65	Red
N6E31-E10B	81	Blk
N6E31-E6B	65	Red
N6E31-E6B	65	Red
N6E31-E6B	65	Red
N6E31-E11B	81	Blk
N6E31-E11B	81	Blk
N6E31-E5B	65	Red
N6E31-E5B	65	Red
N7XPS15P1-A1	65	Red
N7XPS15P1-A2	81	Blk
N7XPS15P1-A3	156	Grn
N7XPS15P1-A4	65	Red
N7XPS15P1-A5	85	Vio
N7XPS15P1-A6	81	Blk
N7XPS15P1-A7	81	Blk
N7XPS16P1-A1	65	Red
N7XPS16P1-A2	81	Blk
N7XPS16P1-A3	156	Grn
N7XPS16P1-A4	65	Red
N7XPS16P1-A5	85	Vio
N7XPS16P1-A6	81	Blk
N7XPS16P1-A7	81	Blk
N7E32-E7B	65	Red
N7E32-E9B	81	Blk
N7E32-E1B	156	Grn
N7E32-E6B	65	Red
N7E32-E3B	85	Vio
N7E32TB3-1B	81	Blk
N7E32TB3-1B	81	Blk
N7E32-E7B	65	Red
N7E32-E9B	81	Blk

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

Table A		
Location	Slvg Find No.	Band Marker Color
N7E32-E1B	156	Grn
N7E32-E6B	65	Red
N7E32-E3B	85	Vio
N7E32TB3-2B	81	Blk
N7E32TB3-2B	81	Blk
N7XPS17P1-A1	65	Red
N7XPS17P1-A2	81	Blk
N7XPS17P1-A3	156	Grn
N7XPS17P1-A4	65	Red
N7XPS17P1-A5	85	Vio
N7XPS17P1-A6	81	Blk
N7XPS17P1-A7	81	Blk
N7XPS18P1-A1	65	Red
N7XPS18P1-A2	81	Blk
N7XPS18P1-A3	156	Grn
N7XPS18P1-A4	65	Red
N7XPS18P1-A5	85	Vio
N7XPS18P1-A6	81	Blk
N7XPS18P1-A7	81	Blk
N7E32-E8B	65	Red
N7E32-E10B	81	Blk
N7E32-E1B	156	Grn
N7E32-E11B	65	Red
N7E32-E5B	85	Vio
N7E32TB3-6B	81	Blk
N7E32TB3-3B	81	Blk
N7E32-E8B	65	Red
N7E32-E10OB	81	Blk
N7E32-E1B	156	Grn
N7E32-E11B	65	Red
N7E32-E5B	85	Vio
N7E32TB3-4B	81	Blk
N7E32TB3-3B	81	Blk

Table A - Continued		
Location	Slvg Find No.	Band Marker Color
N8XPS19P1-A1	65	Red
N8XPS19P1-A2	81	Blk
N8XPS19P1-A3	156	Grn
N8XPS19P1-A4	65	Red
N8XPS19P1-A5	85	Vio
N8XPS19P1-A6	81	Blk
N8XPS19P1-A7	81	Blk
N8XPS22P1-A1	65	Red
N8XPS22P1-A2	81	Blk
N8XPS22P1-A3	156	Grn
N8XPS22P1-A4	65	Red
N8XPS22P1-A5	85	Vio
N8XPS22P1-A6	81	Blk
N8XPS20P1-A7	81	Blk
N8E33-E7B	65	Red
N8E33-E9B	81	Blk
N8E33-E1B	156	Grn
N8E33-E6B	65	Red
N8E33-E4B	85	Vio
N8E33TB3-1B	81	Blk
N8E33TB3-1B	81	Blk
N8E33-E8B	65	Red
N8E33-E10B	81	Blk
N8E33-E1B	156	Grn
N8E33-E11B	65	Red
N8E33-E5B	85	Vio
N8E33TB3-4B	81	Blk
N8E33TB3-3B	81	Blk
N8XPS20P1-A1	65	Red
N8XPS20P1-A2	81	Blk
N8XPS20P1-A3	156	Grn
N8XPS20P1-A4	65	Red
N8XPS20P1-A5	85	Vio



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

Table A - Continued			Table A - Continued		
Location	Slvg Find No.	Band Marker Color	Location	Slvg Find No.	Band Marker Color
NSXPS20P1-A6	81	Blk	N9XPS24P1-A4	65	Red
N8XPS20P1-A7	81	Blk	N9XPS24P1-A5	65	Red
N8XPS21P1-A1	65	Red	N9XPS24P1-A6	81	Blk "
N8XPS21P1-A2	81	Blk	N9XPS24P1-A7	81	Blk
N8XPS21P1-A3	156	Grn	N9E34-E8B	65	Red
N8XPS21P1-A4	65	Red	N9E34-E10B	81	Blk
N8XPS21P1-A5	85	Vio	N9E34-E2B	65	Red
N8XPS21P1-A6	81	Blk	N9E34-E2B	65	Red
N8XPS21P1-A7	81	Blk	N9E34-E2B	65	Red
N8E33-E7B	65	Red	N9E34-E4B	81	Blk
N8E33-E9B	81	Blk	N9E34-E4B	81	Blk
N8E33-E1B	156	Grn	N9E34-E8B	65	Red
N8E33-E6B	65	Red	N9E34-E10B	81	Blk
N8E33-E4B	85	Vio	N9E34-E3B	65	Red
N8E33TB3-2B	81	Blk	N9E34-E3B	65	Red
N8E33TB3-2B	81	Blk	N9E34-E3B	65	Red
N8E33-E8B	65	Red	N9E34-E4B	81	Blk
N8E33-E10B	81	Blk	N9E34-E11B	81	Blk
N8E33-E1B	156	Grn	N6E31-E8A	64	Red
N8E33-E11B	65	Red	N6P5-S	79	Red
N8E33-E5B	85	Vio	N6P5-T	79	Red
N8E33TB3-6B	81	Blk	N7A23W1-4	81	Blk
N8E33TB3-3B	81	Blk	N6E31-E4A	81	Blk
N9XPS23P1-A1	65	Red	N9E34-E4A	81	Blk
N9XPS23P1-A2	81	Blk	N9XPS25P1-A1	65	Red
N9XPS23P1-A3	65	Red	N9XPS25P1-A2	81	Blk
N9XPS23P1-A4	65	Red	N9XPS25P1-A3	65	Red
N9XPS23P1-A5	65	Red	N9XPS25P1-A4	65	Red
N9XPS23P1-A6	81	Blk	N9XPS25P1-A5	65	Red
N9XPS23P1-A7	81	Blk	N9XPS25P1-A6	81	Blk
N9XPS24P1-A1	65	Red	N9XPS25P1-A7	81	Blk
N9XPS24P1-A2	81	Blk	N9XPS24P2-A3	65	Red
N9XPS24P1-A3	65	Red	N9XPS24P2-A4	65	Red

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

Table A - Continued			Table A - Continued		
Location	Slvg Find No.	Band Marker Color	Location	Slvg Find No.	Band Marker Color
N9XPS24P2-A5	65	Red	N7A23W3-8	80	Blk
N9E34-E8B	65	Red	N7A23W4-8	80	Blk
N9E34-E10OB	81	Blk	N8A25W1-4	81	Blk
N9E34-E6B	65	Red	N8A25W1-4	80	Blk
N9E34-E6B	65	Red	N8A25W2-3	80	Blk
N9E34-E6B	65	Red	N8A25W2-3	81	Blk
N9E34-E11B	81	Blk	N8A25W3-8	80	Blk
N9E34-E11B	81	Blk	N8A25W4-8	80	Blk
N9E34-E5B	65	Red	N1CB27-1	65	Red
N9E34-E5B	65	Red	N1W2-5	65	Red
N9E34-E5B	65	Red	N1CB28-1	66	Red
BN7E32TB3-6A	156	Grn	N1W2-1	66	Red
N7E36	156	Grn	N1CB29-1	66	Red
N7P53-A	63	Red	N1W2-13	66	Red
N7P53-B	150	Blk	N1CB30-1	66	Red
N8P54-A	63	Red	N1W2-2	66	Red
N8P54-B	150	Blk	N1CB31-1	66	Red
N8A25W1-4	81	Blk	N1W2-12	66	Red
N7E32-E11A	63	Red	N1CB25-6	150	Blk
N7E32-E11A	63	Red	N1W1-7	150	Blk
N7E32-E11A	63	Red	N1S20-2	150	Blk
N7E32-E11A	63	Red	N1W1-6	150	Blk
N9E34-E5A	66	Red	N1TB7-7	64	Red
N9A56W1-1	66	Red	N1S34-3	64	Red
N9E34-E4A	82	Blk	N1TB8-10B	63	Red
N9A56W1-3	82	Blk	N1E25-CR7A	63	Red
N9A56W2-2	85	Vio	N1TB8-11B	63	Red
N9A56W2-3	85	Vio	N1XK1-B2	63	Red
N9A56W2-7	65	Red	N1W1-8	150	Blk
N9A56W2-8	81	Blk	N1CB31-4	150	Blk
N9E34TB1-1A	63	Red	N1CB7-2	64	Red
N9E34TB1-3A	150	Blk	N1PS1TB1-2	64	Red
N7A23W2-3	81	Blk	N1CB8-2	178	Blu

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

Table A - Continued			Table A - Continued		
Location	Slvg Find No.	Band Marker Color	Location	Slvg Find No.	Band Marker Color
N1PS1TB1-3	178	Blu	N1XDS15-NEG	67	Gra
N1CB5-2	81	Blk	N1TB6-8A	67	Gra
N1A3TB1-L1	81	Blk	N1XDS15-POS	67	Gra
N1CB5-4	65	Red	N1TB6-9A	67	Gra
N1A3TB1-L2	65	Red	N6E31-E3B	65	Red
N1CB5-6	148	Blu	N7TB3-13A	63	Red
N1A3TB1-L3	148	Blu	N7TB3-14A	150	Blk
N1CB3-1	82	Blk			
N1FL2-LOAD	82	Blk			
N1CB3-3	66	Red			
N1FL3-LOAD	66	Red			
N1CB3-5	142	Blu			
N1FL4-LOAD	142	Blu			
N1CB14-2	80	Blk			
N1A5TB1-4	80	Blk			
N1CB6-2	150	Blk			
N1PS1TB1-1	150	Blk			
N1CB10-2	80	Blk			
N1TB5-1A	80	Blk			
N1CB17-2	80	Red			
N1PS30TB1-1	80	Red			
N9A56E9	156	Grn			
N9E38	156	Grn			
N1CB5-8	80	Blk			
N1TB5-9A	80	Blk			
N1CB25-4	150	Blk			
N1TB6-7A	150	Blk			
N1TB3-2	63	Red			
NN1E4-BLK	63	Red			
N1TB3-3	148	Blu			
N1E3-BLK	151	Blu			
N1TB3-4	185	Wht			
N1E2-BLK	155	Wht			

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

TABLE B							
Group	Conn Find No.	A		Sleeving			Note
		Marker	Find No.	Dim A	Find No.	Note	
1	99,166	P2(PS2J1)	78	34.00	170		N2TB11
2	123,167	P3(J40PS2J2)	76	33.00	171		N2TB12
3	94,162	P4(A1J2)	74		157		N1TB21
4	124,167	P6(A39J1)	77	54.00	159	51	N1TB9
5	124,167	P7(A39J2)	77	54.00	159	51	N1TB9
6	126	P8(A39J3)	74	54.00	173	51	N25B12
7							
8							
9							
10							
11							
12							
13							
14							
15	163,164,165	P18(A24J3)	76	-	-		N7E32TB3
16	127	P45(A53J1)	74	21.00	173		A58TB1
17	163,164,165	P17(A22J3)	76	-	-		N7E32TB3
18	125	P46(J93)	74	24.00	157	51	N1TB5
19	169	P5(A54J1)	76	-	-		N6431, N7E32, N8E33, N9E34
20	91,161,174, 175	P1(A3J3)	75	-	-		Alarm and Control Wiring
21	128	P53(A42J1)	75	-	-		N7E32TB3
22	128	P54(A43J1)	75	-	-		N8E33TB9
23	128	P55(A62J1)	75	144.00	172	53	N9E34TB1

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

Table C				
Two-Position Wire Marker				
Location	Slvg Find No.	Mark		Note
		Near Side	Far Side	
N1TB1-1A	77	TB1-1A	TB2-1B	8
N1TB1-2A	77	TB1-2A	TB2-2B	
N1TB1-3A	77	TB1-3A	TB2-3B	
N1TB1-4A	77	TB1-4A	TB2-4B	

Table D											
Wire Find No.	Lug Find No.	Slvg Find No.	From			To			Slvg Find No.	Lug Find No.	Length (inches)
			Note	Location	Marking	Location	Marking	Note			
57	184	84	2,4	N3A50-1	A50-1	N3TB13-1	TB13-1	4	84	100	12
61	184	84	2,4	N3A50-2	A50-2	N3E60		2			6
61	184	84	2,4	N3A50-3	A50-3	N3E61		2			8
59	184	84	2,4	N3A50-4	A50-4	N3TB13-2	TB13-2	4	84	100	11

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0001						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES			LOCATION MARKING	TO .			GP SC	FUNCTION FUNCTION
				1	2	3		S	FIND	H		LUG	SLV	1		2	3	4		
	3	4	5	S	STP	FND	H	STP	FND	FER	3	4	5	S	STP	FND	H	STP	FND	FER
042 042	09 09	1 2	59 B	BLK		9 65	A50-NEG		184 0.00			11.0		4 66	N3TB13-2		100 0.00	84		DCRTN
048 048	11 11	1 2	G	WHT		4	A58E1		139 0.00	68		6.0		46	A58TB1-5B S		0.00			SHIELD
064 064	08 08	1 2	E	WHT		4	A58E1		139 0.00	84		5.5	66 46	A58TB1-SB S		0.00				GND
047 047	13 13	1 2	53 G	RED		4 29	A58TB1-1A		100 0.00	68		26.0 50	4 44	P45-A A		0.00		68		16 +28VDC
044 044	03 03	1 2	39 C	RED		4 29	A58TB1-1B		101 0.00	72		339.0	4 66	N1TB8-5A		0.00		116	72	28VBF
048 048	01 01	1 2	56 G	BLK 66		4 29	A58TB1-2A		100 0.00	68		26.0 50	4 44	P45-B B		0.00		68		16 DCRTN
042 042	03 03	1 2	42 C	BLK		4 29	A58TB1-2B		101 0.00	72		28 0.0	4 66	N1W1-16		0.00		102	72	DCRTN
048 048	03 03	1	146 G	WHT		4 29	A58TB1-3A		100 0.00	68		26.0 50	4 44	P45-C C		0.00		68		16 AIR
048 048	05 05	1 2	G	BLK		4 29	A58TB1-4A		100 0.00	68		26.0 50	4 44	P45-D D		0.00		68		16 AIR
048 048	11 11	1 2	G	WHT		46	A58TB1-5B S		0.00			6.0	4	A58E1		0.00		139	68	SHIELD
064 064	08 08	1 2	WHT E		66 46		A58TB1-5B S		0.00			5.5	4	A58E1		0.00		139	84	GND

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0002						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2	3		S	FIND	H			LUG	SLV		1	2	S		
	3	4	5	S	STP	FND	H	FER	3	4	5	S	STP	FND	H	FER				
048 048	07 07	1 2	83 G	WHT		4 66	29 61	A58TB1-5B		100 0.00	68	46.0	4	61	A59TB1-2A		100 0.00	68 7	TEMP	1
064 064	05 05	1 2	149 E	WHT		4 29	61	A58TB1-5B		110 0.00	84 7	342.0	61	4 66	N1TB41-4A		110 0.00	84 7	ALARM	
048 048	09 09	1 2		BLK G		4 66	29	A58TB1-6B		100 0.00	68	46.0	29	4 29	A59TB1-1A		100 0.00	68	TEMP	
064 064	06 06	1 2		BLK E		4	29	A58TB1-7B		110 0.00	84	342.0		4 66	N1TB41-5A		110 0.00	84	ALARM	
048 048	12 12	1 2		WHT G		4		A59E1		139 0.00	68	6.0	46		A59TB1-2A S		0.00		SHIELD	
048 048	09 09	1 2	BLK G	29		4	29	A59TB1-1A		100 0.00	68	46.0	66	4 29	A58TB1-6B		100 0.00	68	TEMP	
048 048	07 07	1 2	83 G	WHT		4	61	A59TB1-2A		100 0.00	68 7	46.0	66 61	4 29	A58TB1-5B		100 0.00	68	TEMP	1
048 048	12 12	1 2		WHT G		46		A59TB1-2A S		0.00		6.0	4		A59E1		139 0.00	68	SHIELD	
047 047	13 13	1 2	53 G	RED		4 50	44	P45-A A		0.00	68	26.0	66	4 29	A58TB1-1A		100 0.00	68	16 +28VDC	
048 048	01 01	1 2	56 G	BLK		4 50	44	P45-B B		0.00	68	26.0	66	4 29	A58TB1-2A		100 0.00	68	16 DCRTN	
048 048	03 03	1 2	146 G	WHT		4 50	44	P45-C C		0.00	68	26.0	66	4 29	A58TB1-3A		100 0.00	68	16 AIR	

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0003							
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO .			GP	FUNCTION
						1	2	3		S	FIND	LENGTH			1	2	3		4	5	S		
			FND	KSQ		3	4	5	MARKING	H	LUG	SLV			3	4	5	MARKING	H	LUG	SLV		
			KCD							S	STP	FND							S	STP	FND		
										H		FER							H		FER		
048	05	1		BLK		4	44		P45-D			68		4	29			A58TB1-4A		100	68	16	AIR
048	05	2	G		50				D	0.00			26.0	66					0.00				
064	13	1	50	BLK		4	66		W1-16	102		72		4	66			N1PS30TB1-2		101	72		DCRTN
064	13	2	A							0.00			0.0	29					0.00				
040	01	1	12	RED		4	66		N1A3-E2	112		77		4				N1CB13-1		113	77		+28VDC
040	01	2	E							0.00			15.0						0.00				
040	03	1	14	BLK		4	66		N1A3-E4	112		77		4				N1W1-40		112	77		DCRTN
040	03	2	E							0.00			19.0						0.00				
063	01	1	32	GRN		4	66		N1A3E5	105		75		4				N1E17		105	75		GND
063	01	2	E							0.00			12.0						0.00				
053	05	1	6	WHT		4	17		N1A3TB1-L1	105		75		4	17			N1CB5-2		104	75		PHASE A
053	05	2	A		29					0.00			0.0	66					0.00				
053	07	1	6	WHT		4	17		N1A3TB1-L2	105		75		4	17			N1CB5-4		104	75		PHASE B
053	07	2	A		29					0.00			0.0	66					0.00				
053	09	1	6	WHT		4	17		N1A3TB1-L3	105		75		4	17			N1CB5-6		104	75		PHASE C
053	09	2	A		29					0.00			0.0	66					0.00				
031	07	1	4	WHT	21	4	23		N1A3TB2-1	101		74			4			N1S18-25		101	74		NEG
031	07	2	A							0.00			0.0	23	66				0.00				
031	05	1	4	WHT	21	4	23		N1A3TB2-2	101		74			4			N1S18-15		101	74		POS
031	05	2	A							0.00			0.0	23	66				0.00				
064	03	1	40	GRN		4	66		N1A5E2	102		72			4			N1E1		153	72		GND
064	03	2	E							0.00			24.					0	0.00				



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0004			
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 NOTES 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	KY	NOTES 1 2 NOTES 3 4 5	LOCATION MARKING	TO . S H S H	FIND LUG STP	SLV FND FER	GP SC	FUNCTION
062	03	1		BLK		4	9	N1A5TB1-1		101	72			46	N2TB18-7				400HZ
062	03	2	E	66					0.00		0.0					0.00			
062	05	1		BLK		4	9	N1A5TB1-3		101	72			46	N2TB18-5				50/60HZ
062	05	2	E	66					0.00		0.0					0.00			
052	09	1	4	WHT		4	17	N1A5TB1-4		101	74		4	17	N1CB14-2	102	74		115VAC
052	09	2	A						0.00		0.0		66			0.00			
054	03	1	41	WHT		4		N1A5TB1-5		101	72		4	66	N1W3-2	102	72		NEUTRAL
054	03	2	A						0.00		0.0					0.00			
062	07	1		WHT		4	9	N1A5TB1-5		101	72		46	N2TB18-6					NEUTRAL
062	07	2	E			66			0.00		0.0					0.00			
032	05	1	5	WHT		4	17	N1A5TB2-1		101	73		4	17	N1CB16-2	102	73		+28VDC
032	05	2	A						0.00		0.0		66			0.00			
032	07	1	5	WHT		4	17	N1A5TB2-1		101	73		4	17	N1S19-3	101	73		+28VDC
032	07	2	A						0.00		0.0		66			0.00			
032	09	1	5	WHT		4	17	N1A5TB2-2		101	73		4	17	N1S19-2	101	73		+28VDC
032	09	2	A						0.00		0.0		66			0.00			
064	10	1	49	WHT		4		N1A5TB2-2		101	72		9	66	N1TB18-1	101	72		EM LTS
064	10	2	E						0.00		23.0					0.00			
064	12	1	49	WHT		4		N1A5TB2-3		101	72		9	66	N1TB18-2	101	72		EM LTS
064	12	2	E						0.00		23.0					0.00			
065	01	1	49	WHT		4		N1A5TB2-4		101	72		9	66	N1TB18-3	101	72		BO LTS
065	01	2	E						0.00		23.0					0.00			



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0006		
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE LENGTH	KY	NOTES 1 2 3 4 5	LOCATION MARKING	TO . S H S H	FIND LUG STP	GP SC	FUNCTION FUNCTION	
026	01	1	23	RED		4	N1CB1-3	107	76			4	N1TB3-2A		107	76	PHASE B	
026	01	2	D					0.00		13.0	66				0.00			
028	05	1	31	RED		4	N1CB1-4	104	75			4 6	N1J3-B		75		PHASE B	
028	05	2	D		66			0.00		8.0	59		B		0.00			
027	13	1	24	BLU		4	N1CB1-5	107	76			4	N1CB2-5		107	76	PHASE C	
027	13	2	D		66			0.00		13.0					0.00			
026	03	1	24	BLU		4	N1CB1-5	107	76			4	N1TB3-3A		107	76	PHASE C	
026	03	2	D					0.00		4.0	66				0.00			
028	07	1	33	BLU		4	N1CB1-6	104	75			4 6	N1J3-C			75	PHASE C	
028	07	2	D		66			0.00		8.0	59		C		0.00			
028	01	1	44	RED		4 66	N1CB1-7	102	72			4	N1CB2-7		102	72	ECUTRIP	
028	01	2	D					0.00		13.0					0.00			
027	07	1	44	RED		4	N1CB1-7	102	73			4 66	N1FL1-3		116	73	ECUTRIP	
027	07	2	D					0.00		7.0					0.00			
028	09	1	50	BLK		4 66	N1CB1-8	102	72			4	N1CB2-8		102	72	DCRTN	
028	09	2	D					0.00		7.0					0.00			
054	13	1	5	WHT		4 17	N1CB10-2	102	73			4 17	N1TB5-1A		101	73	115VAC	
054	13	2	A	66				0.00		0.0					0.00			
040	01	1	12	RED		4	N1CB13-1	113	77			4 66	N1A3-E2		112	77	+28VDC	
040	01	2	E					0.00		15.0					0.00			
031	13	1	53	RED		4 63	N1CB13-4	114	68			66	N1E25-CR4A				28VI	
031	13	2	A					0.00		0.0					0.00			

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0007		
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE LENGTH	KY	NOTES 1 2 3 4 5	LOCATION MARKING	TO . S H S H	FIND LUG STP	GP SC	FUNCTION FUNCTION	
031	09	1	53	RED		4 63	N1CB13-4		114	68			4 32	N1P1-N N		68	20	28VI
031	09	2	A		66					0.00	0.0	50				0.00		
031	11	1	53	RED		4 63	N1CB13-5		114	68			66	N1E25-13				EMPWR
031	11	2	A						0.00		0.0					0.00		
030	05	1	53	RED		4 63	N1CB13-5		114	68			4 32	N1P1-P P		68	20	EH PWR
030	05	2	A		66				0.00		0.0	50				0.00		
065	09	1	83	WHT		4 62	N1CB13-6		114	68			4 64	N1TB41-7A		100	68	EMPWR ALM
065	09	2	A		63	66			0.00	80	0.0	61				0.00	7	
065	10	1		BLK		4 63	N1CB13-7		114	68			4	N1TB41-8A		100	68	EMPWR ALM
065	10	2	A		66				0.00		0.0					0.00		
052	01	1	35	BLK		4	N1CB14-1		104	75			4	N1CB5-1		104	75	PHASE A
052	01	2	E		66				0.00		21.0					0.00		
052	09	1	4	WHT		4 17	N1CB14-2		102	74			4 17	N1A5TB1-4		101	74	115VAC
052	09	2	A		66				0.00		0.0					0.00		
036	03		12	WHT		4 17	N1CB15-1		140	75			4 17	N1W2-7		140	75	+28VDC
036	03	2	A		66				0.00		0.0					0.00		
033	11	1	2	WHT		4 17	N1CB15-2		140	75			4 17	N1TB7-1		140	75	+28VDC
033	11	2	A	66					0.00		0.0					0.00		
033	05	1	49	WHT	66		N1CB15-3						4	N1CB24-3		102	72	TRIP
033	05	2	A						0.00		0.0					0.00		
036	05	1	4	WHT		4 17	N1CB16-1		102	75			4 17	N1W2-8		102	75	+28VDC
036	05	2	A	66					0.00		0.0					0.00		

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0008								
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO .			GP	FUNCTION	
						1	2	3		S	FIND	LENGTH			1	2	3		H	LUG	SLV			H
			FND	KSQ		3	4	5	MARKING	H	STP	FER			3	4	5	MARKING	H	STP	FND	FER		
032	05	1	5	WHT		4	17		N1CB16-2		102	73			4	17		N1A5TB2-1		101	73		+28VDC	
032	05	2		A	66					0.00			0.0						0.00					
055	01	1	5	WHT		4	17		N1CB17-2		102	73			4	17		N1PS30TB1-1		101	73		+28VDC	
055	01	2		A	66					0.00			0.0	29					0.00					
027	09	1	26	BLK		4			N1CB2-1		107	76			4			N1CB1-1		107	76		PHASE A	
027	09	2		D						0.00			13.0	66					0.00					
028	11	1	35	BLK		4			N1CB2-2		104	75			4	6		N1J4-A			75		PHASE A	
028	11	2		D	66					0.00			8.0	59			A		0.00					
027	11	1	23	RED		4			N1CB2-3		107	76			4			N1CB1-3		107	76		PHASE B	
027	11	2		D						0.00			13.5	66					0.00					
028	13	1	31	RED		4			N1CB2-4		104	75			4	6		N1J4-B			75		PHASE B	
028	13	2		D	66					0.00			8.0	59			B		0.00					
027	13	1	24	BLU		4			N1CB2-5		107	76			4			N1CB1-5		107	76		PHASE C	
027	13	2		D						0.00			13.0	66					0.00					
029	01	1	33	BLU		4			N1CB2-6		104	75			4	6		N1J4-C			75		PHASE C	
029	01	2		D	66					0.00			8.0	59			C		0.00					
028	01	1	44	RED		4			N1CB2-7		102	72			4	66		N1CB1-7		102	72		ECUTRIP	
028	01	2		D						0.00			13.0						0.00					
028	09	1	50	BLK		4			N1CB2-8		102	72			4	66		N1CB1-8		102	72		DCRTN	
028	09	2		D						0.00			7.0						0.00					
029	11	1	50	BLK		4	66		N1CB2-8		102	72			4			N1FL1-4		116	72		DCRTN	
029	11	2		D						0.00			7.5						0.00					

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0009			
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION	
				1	2	5		S	FIND	LOC		S	FIND	GP			
	3	4	5	H	LUG	SLV	H	LUG	SLV	3	4	5	H	LUG	SLV	FND	FER
037 037	11 11	1 2	4 A	WHT 66		4 17	N1CB22-1		102 0.00	74	0.0	4 17	N1W2-9		102 0.00	74	+28VDC
033 033	13 13	1 2	4 A	WHT 66		4 17	N1CB22-2		102 0.00	74	0.0	4 17	N1TB7-4		102 0.00	74	+28VDC
037 037	13 13	1 2	4 A	WHT 66		4 17	N1CB23-1		102 0.00	74	0.0	4 17	N1W2-10		102 0.00	74	+28VDC
034 034	01 01	1 2	4 A	WHT 66		4 17	N1CB23-2		102 0.00	74	0.0	4 17	N1TB7-5		102 0.00	74	+28VDC
038 038	01 01	1 2	4 A	WHT 66		4 17	N1CB24-1		102 0.00	74	0.0	4 17	N1W2-20		102 0.00	74	+28VDC
034 034	03 03	1 2	4 A	WHT 66		4 17	N1CB24-2		102 0.00	74	0.0	4 17	N1TB7-6		102 0.00	74	+28VDC
033 033	05 05	1 2	49 A	WHT 66		4	N1CB24-3		102 0.00	72	0.0	66	N1CB15-3		0.00		TRIP
038 038	03 03	1 2	6 A	WHT 66		4 17	N1CB25-1		104 0.00	75	0.0	4 17	N1W2-3		105 0.00	75	+28VDC
035 035	09 09	1 2	6 A	WHT 66		4 17	N1CB25-2		104 0.00	75	0.0	4 17	N1TB9-5		105 0.00	75	+28VDC
057 057	01 01	1 2	5 A	WHT 66		4 17	N1CB25-4		102 0.00	73	0.0	4 17	N1TB6-7A		101 0.00	73	115 VAC
039 039	03 03	1 2	5 A	WHT 66		4 17	N1CB25-6		102 0.00	73	0.0	4 17	N1W1-7		102 0.00	73	DCRTN

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0010		
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 NOTES 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE LENGTH	KY	NOTES 1 2 NOTES 3 4 5	LOCATION MARKING	TO . S H S H	FIND LUG STP FND FER	GP SC	FUNCTION FUNCTION	
038	05	1	6	WHT		4 17	N1CB26-1		104	75			4 17	N1W2-4		105	75	+28VDC
038	05	2	A		66				0.00		0.0					0.00		
035	11	1	6	WHT		4 17	N1CB26-2		104	75			4 17	N1TB9-6		105	75	+28VDC
035	11	2	A		66				0.00		0.0					0.00		
038	07	1	6	WHT		4 17	N1CB27-1		104	75			4 17	N1W2-5		105	75	+28VDC
038	07	2	A		66				0.00		0.0					0.00		
035	13	1	6	WHT		4 17	N1CB27-2		104	75			4 17	N1TB9-7		105	75	+28VDC
035	13	2	A		66				0.00		0.0					0.00		
038	09	1	1	WHT		4 17	N1CB28-1		107	76			4 17	N1W2-1		108	76	+28VDC
038	09	2	A		66				0.00		0.0					0.00		
035	01	1	1	WHT		4 17	N1CB28-2		107	76			4 17	N1TB9-1		107	76	+28VDC
035	01	2	A		66				0.00		0.0					0.00		
038	11	1	1	WHT		4 17	N1CB29-1		107	76			4 17	N1W2-13		107	76	+28VDC
038	11	2	A		66				0.00		0.0					0.00		
035	03	1	1	WHT		4 17	N1CB29-2		107	76			4 17	N1TB9-2		107	76	+28VDC
035	03	2	A		66				0.00		0.0					0.00		
052	03	1	1	WHT	4	17N1CB3-1		107	76				4 17	N1FL2-LOAD		108	76	PHASE A
052	03	2	E		66				0.00		76.0	29				0.00		
051	01	1	30	BLK	4	20N1CB3-2		106	75				4	N1CB5-1		120	75	PHASE A
051	01	2	E		66				0.00		12.0					0.00		
052	05	1	1	WHT	4	17 N1CB3-3		107	76				4 17	N1FL3-LOAD		108	76	PHASE B
052	05	2	E		66				0.00		71.0	29				0.00		

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0011				
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION		
				1	2	3		S	FIND	LOC		S	FIND	LOC				
				NOTES	NOTES	NOTES		H	LUG	SLV		H	LUG	SLV			H	LUG
3	4	5	S	STP	FND	3	4	5	S	STP	FND	3	4	5	H	FER	H	FER
051 051	03 03	1 2	27 E	RED		4 66	37	N1CB3-4		106 0.00	75	18.0	4	N1CB5-3		120 0.00	75	PHASE B
052 052	07 07	1 2	1 E	WHT		4 66	17	N1CB3-5		107 0.00	76	67.0	29	4 17 N1FL4-LOAD		108 0.00	76	PHASE C
051 051	05 05	1 2	28 E	BLU		4 66	38	N1CB3-6		106 0.00	7	5 20.0	4	N1CB5-5		120 0.00	75	PHASE C
036 036	01 01	1 2	4 A	WHT 66		4	17	N1CB3-8		102 0.00	74	0.0	4 17	N1W1-5		102 0.00	74	DCRTN
032 032	01 01	1 2	5 A	WHT		17 66	66	N1CB3-9				0.0	4 17	N1FL1-1		116 0.00	73	+24V
038 038	13 13	1 2	1 A	WHT		4 66	17	N1CB30-1		107 0.00	76	0.0	4 17	N1W2-2		108 0.00	76	+28VDC
035 035	05 05	1 2	1 A	WHT		4 66	17	N1CB30-2		107 0.00	76	0.0	4 17	N1TB9-3		107 0.00	76	+28VDC
039 039	01 01	1 2	1 A	WHT		4 66	17	N1CB31-1		107 0.00	76	0.0	4 17	N1W2-12		108 0.00	76	+28VDC
035 035	07 07	1 2	1 A	WHT		4 66	17	N1CB31-2		107 0.00	76	0.0	4 17	N1TB9-4		107 0.00	76	+28VDC
049 049	05 05	1 2	5 A	WHT		4	17	N1CB31-4		117 0.00	73	0.0	66	4 17 N1W1-8		102 0.00	73	DCRTN
052 052	01 01	1 2	35 E	BLK		4		N1CB5-1		104 0.00	75	21.0	66	4 N1CB14-1		104 0.00	75	PHASE A



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0012					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2	MARKING			H	LUG	SLV
			S	STP	FND	3	4	5	H	STP	FND	H	STP	FND					
051 051	01 01	1 2	30 E	BLK		4	N1CB5-1		120 0.00	75		12.0	66	4 20	N1CB3-2		106 0.00	75	PHASE A
034 034	05 05	1 2	57 A	RED	66	6	N1CB5-10		0.00			0.0	6		N1S2-5		0.00		28VRD
036 036	13 13	1 2	55 A	WHT	66	6	N1CB5-11		0.00			0.0	6		N1E25-14		0.00		EX FAULT
053 053	05 05	1 2	6 A	WHT		4 17 66	N1CB5-2		104 0.00	75		0.0	29	4 17	N1A3TB1-L1		105 0.00	75	PHASE A
051 051	03 03	1 2	27 E	RED	4		N1CB5-3		120 0.00	75		18.0	66	4 37	N1CB3-4		106 0.00	75	PHASE B
053 053	07 07	1 2	6 A	WHT		4 17 66	N1CB5-4		104 0.00	75		0.0	29	4 17	N1A3TB1-L2		105 0.00	75	PHASE B
051 051	05 05	1 2	28 E	BLU		4	N1CB5-5		120 0.00	75		20.0	66	4 38	N1CB3-6		106 0.00	75	PHASE C
053 053	09 09	1 2	6 A	WHT		4 17 66	N1CB5-6		104 0.00	75		0.0	29	4 17	N1A3TB1-L3		105 0.00	75	PHASE C
056 056	01 01	1 2	5 A	WHT		4 17 66	N1CB5-8		102 0.00	73		0.0		4 17	N1TB5-9A		101 0.00	73	115VAC
052 052	13 13	1 2	4 A	WHT		4 17 66	N1CB6-2		116 0.00	74		0.0	29	4 17	N1PS1TB1-1		133 0.00	74	PHASE A
053 053	01 01	1 2	4 A	WHT		4 17 66	N1CB7-2		116 0.00	74		0.0	29	4 17	N1PS1TB1-2		133 0.00	74	PHASE B

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0013						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION FUNCTION
				1	2	3		S	FIND	1			2	S		FIND	S	FIND		
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	FND	FER	H	LUG	FER				
053 053	03 03	1 2	4 A	WHT		4 66	17	N1CB8-2		116 0.00	74		0.0	29	4 17	N1PS1TB1-3		133 0.00	74	PHASE C
049 049	09 09	1 2	BLK E	9	66			N1DS1-BLK		0.00			0.0			N1TB41C2B		0.00		DCRTN
049 049	07 07	1 2	WHT E	9	66			N1DS1-WHT		0.00			0.0			N1TB41-1B		0.00		BELL
064 064	03 03	1 2	40 E	GRN		4		N1E1		153 0.00	72		24.0	4 66	N1A5E2		102 0.00	72	GND	
062 062	13 13	1 2	130 E	GRN	4	66		N1E1 0.00		108	76		40.0	4	N1E17		107 0.00	76	GND	
040 040	05 05	1 2 E	177	GRN	4	66		N1E1		112 0.00	78		30.0	4	N1W1-35		112 0.00	78	GND	
062 062	11 11	1 2	130 C	GRN	4			N1E1		108 0.00	76	PJAA 240.0		4 66	N9E21		107 0.00	76	GND	
027 027	03 03	1 2		GRN	4			N1E10		119 0.00	73		7.0	46 66	N1E4-GRN		0.00		GRN	
027 027	05 05	1 2		GRN	4			N1E10		119 0.00	73		7.0	46 66	N1E5-GRN		0.00		GRN	
029 029	07 07	1 2	44 D	RED				N1E11		0.00			4.0	4 66	N1FL1-3		115 0.00	72	ECUTRIP	
029 029	09 09	1 2	50 D	BLK				N1E12		0.00			4.5	4 66	N1FL1-4		115 0.00	72	DCRTN	

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0014								
	WI FND KCD	CLR K SQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION FUNCTION						
				1	2	3		S	FIND	KY		NOTES	LOCATION	S			FIND					
				3	4	5		H	LUG	3		4	5	H			LUG	SLV	FND	FER		
063 063	01 01	1 2	32 E	GRN		4		N1E17		105 0.00	75		12.0	4	66	N1A3E5		105 0.00	75		GND	
062 062	13 13	1 2	130 E	GRN		4		N1E17		107 0.00	76		40.0	4	66	N1E1		108 0.00	76		GND	
033 033	07 07	1 2	3 A	WHT		4	17	N1E18		106 0.00	76		0.0	4	17	N1E20		106 0.00	76		GND	
033 033	09 09	1 2	3 A	WHT		4	17	N1E19		106 0.00	76		0.0	4	17	N1E20		106 0.00	76		GND	
026 026	11 11	1 2		BLK D				N1E2-BLK					17	66	4	46	N1TB3-4		119 0.00	74		NEUTRAL
026 026	13 13	1 2		GRN	46	66		N1E2-GRN					7.0		4		N1E9			73		GND
033 033	07 07	1 2	3 A	WHT		4	17	N1E20		106 0.00	76		0.0	66	4	17	N1E18		106 0.00	76		GND
033 033	09 09	1 2	3 A	WHT		4	17	N1E20		106 0.00	76		0.0	66	4	17	N1E19		106 0.00	76		GND
062 062	09 09	1 2		GRN E		4		N1E20		117 0.00	72		0.0	66	9	46	N1TB18-8					GND
030 030	03 03	1 2	53 A	RED		66		N1E25-10					0.0	50	4	32	N1P1-J J			68	20	RC(ON)
031 031	11 11	1 2	53 A	RED		66		N1E25-13					0.0		4	63	N1CB13-5		114 0.00	68		EMPWR

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST							DWG NO. SM-B-817043			PAGE 0015			GP FUNCTION		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	FIND	GP			FUNCTION
FND	KCD	KSQ	1	2	MARKING	S	H	LUG	SLV	LENGTH	1	2	S	H	LUG	SLV	SC	FUNCTION
			3	4	5	S	H	STP	FND		3	4	5	S	H	FND		
						H		FER						H		FER		
036	13	1	55	WHT	6	N1E25-14					66	6	N1CB5-11					EX FAULT
036	13	2	A					0.00		0.0					0.00			
031	13	1	53	RED	66	N1E25-CR4A					4	63	N1CB13-4		114	68		28VI
031	13	2	A					0.00		0.0					0.00			
049	01	1	5	WHT	10	N1E25-CR7A					4	17	N1TB8-10B		116	73		+24V
049	01	2	A					0.00		0.0	28	66			0.00			
060	07	1	45	GRN	4 66	N1E29		117	72	CA	4		N3J38-GRN		116	72		GND
060	07	2	C					0.00		68.0					0.00			
060	11	1	45	GRN	4 66	N1E29		117	72	E	4		N3J39-GRN		116	72		GND
060	11	2	C					0.00		39.0					0.00			
026	09	1		BLK		N1E3-BLK					4	46	N1TB3-3		119	74		PHASE
026	09	2	D					0.00		9.0	17	66			0.00			
027	01	1		GRN	46 66	N1E3-GRN					4		N1E9		119	73		GND
027	01	2	D					0.00		7.0					0.00			
026	07	1		BLK		N1E4-BLK					4	46	N1TB3-2		119	74		PHASE B
026	07	2	D					0.00		9.0	17	66			0.00			
027	03	1		GRN	46 66	N1E4-GRN					4		N1E10		119	73		GRN
027	03	2	D					0.00		7.0					0.00			
066	07	1		WHT	4	N1E47		139	68		66		N1TB41-4A S					SHIELD
066	07	2	E					0.00		0.0					0.00			
064	07	1		WHT	4	N1E47		139	84		66	46	N1TB41-5 S					GND
064	07	2	E					0.00		5.5					0.00			





Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0018							
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION FUNCTION					
				1	2	3		S	FIND	KY		NOTES	LOCATION	S			FIND				
				4	5	H		LUG	SLV	1		2	H	LUG			SLV				
3	4	5	S	STP	FND	3	4	5	S	STP	FND	H	FER								
054 054	09 09	1 2	1 D	WHT		4 29	17	N1FL4-LINE		100 0.00	76		22.0	66	4	17	N1TB3-3B		107 0.00	76	PHASE C
052 052	07 07	1 2	1 E	WHT		4 29	17	N1FL4-LOAD		108 0.00	76		67.0	66	4	17	N1CB3-5		107 0.00	76	PHASE C
054 054	11 12	1 2	1 D	WHT		4 29	22	N1FL5-LINE		100 0.00	76		25.0	66	4	22	N1TB3-4B		107 0.00	76	NEUTRAL
053 053	13 13	1 2	1 E	WHT		4 29	22	N1FL5-LOAD		108 0.00	76		23.0	66	4	22	N1W3-1		108 0.00	76	NEUTRAL
023 023	01 01	1 2	18 D	BLK		4 66	30	N1J1-A			77		20.5		4		N1TB1-1B		111 0.00	77	50160HZPHA
023 023	03 03	1 2	15 D	RED		4 66	30	N1J1-B			77		19.0		4		N1TB1-2B		111 0.00	77	50160HZPHB
023 023	05 05	1 2	16 D	BLU		4 66	30	N1J1-C			77		18.0		4		N1TB1-3B		111 0.00	77	50160HZPHC
023 023	09 09	1 2	29 D	GRN		4 49	31 66	N1JI-GI			76		13.0		4		N1E7		106 0.00	76	GND
023 023	11 11	1 2	29 D	GRN		4 49	31 66	N1J1-G2			76		14.5		4		N1E6		106 0.00	76	GND
023 023	13 13	1 2	29 D	GRN		4 49	31 66	N1J1-G3		0.00	76		17.0		4		N1E6		106 0.00	76	GND
024 024	01 01	1 2	29 D	GRN		4 49	31 66	N1J1-G4		0.00	76		16.0		4	N1E6		106 0.00	76	GND	

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0019			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION
				1	2		S	FIND	1		2	S		FIND	GP		
				3	4		5	H	LUG		SLV	H		LUG	SLV	SC	
023 023	07 07	1 2	17 D	WHT		4 66	47		N1J1-N		77	4	N1TB1-4B		111 0.00	77	50160HZNEU
024 024	11 11	1 2	18 D	BLK		4 66	30		N1J2-A		77	4	N1TB2-1A		111 0.00	75	400HZ PHA
024 024	13 13	1 2	15 D	RED		4 66	30		N1J2-B		77	4	N1TB2-2A		111 0.00	75	400HZ PHB
025 025	01 01	1 2	16 D	BLU		4 66	30		N1J2-C		77	4	N1TB2-3A		111 0.00	77	400HZ PHC
024 024	03 03	1 2	29 D	GRN		4 49	31 66		N1J2-G1		76	4	N1E7		106 0.00	76	GND
024 024	05 05	1 2	29 D	GRN		4 49	31 66		N1J2-G2		76 17.5	4	N1E8		106 0.00	76	GND
024 024	07 07	1 2	29 D	GRN		4 49	31 66		N1J2-G3		76	4	N1E8		106 0.00	76	GND
024 024	09 09	1 2	29 D	GRN		4 49	31 66		N1J2-G4		76	4	N1E8		106 0.00	76	GND
025 025	03 03	1 2	17 D	WHT		4 66	47		N1J2-N		77	4	N1TB2-4A		111 0.00	77	400HZ NEUT
028 028	03 03	1 2	35 D	BLK		4 59	6		N1J3-A A		75	4 66	N1CB1-2		104 0.00	75	PHASE A
028 028	05 05	1 2	31 D	RED		4 59	6		N1J3-B B		75	4 66	N1CB1-4		104 0.00	75	PHASE B



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0020						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION FUNCTION
				1	2	3		S	FIND	1			2	S		FIND	3	4		
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	H	LUG	SLV	H	LUG	SLV		
3	4	5	S	STP	FND	3	4	5	H	FER	3	4	5	H	FER	H	FER			
028 028	07 07	1 2	33 D	BLU		4 59	6	N1J3-C C			75		4 8.0	66	N1CB1-6			104 0.00	75	PHASE C
029 029	03 03	1 2	36 D	WHT		4 59	6 66	N1J3-D D			75		4 12.0		N1TB3-4B			105 0.00	75	NEUTRAL
053 053	11 11	1 2	4 A	WHT		4 66		N1J36-S1L			74		4 0.0	23	N1W3-6			102 0.00	74	NEUTRAL
028 028	11 11	1 2	35 D	BLK		4 59	6	N1J4-A A			75		4 8.0	66	N1CB2-2			104 0.00	75	PHASE A
028 028	13 13	1 2	31 D	RED		4 59	6	N1J4-B B			75		4 8.0	66	N1CB2-4			104 0.00	75	PHASE B
029 029	01 01	1 2	33 D	BLU		4 59	6	N1J4-C C			75		4 8.0	66	N1CB2-6			104 0.00	75	PHASE C
029 029	05 05	1 2	36 D	WHT		4 59	6 66	N1J4-D D			75		4 12.0		N1TB1-4B			105 0.00	75	NEUTRAL
051 051	07 07	1 2	41 A	WHT		4 66		N1M1-POS			72		4 0.0		N1T1-X2			116 0.00	72	NEUTRAL
052 052	11 11	1 2	5 A	WHT		4 66		N1M2-NEG			73		4 0.0		N1W3-5			102 0.00	73	NEUTRAL
037 037	03 03	1 2	55 A	WHT		4 66		N1M5-NEG			68		4 0.0	28	N1T4TB1-3			100 0.00	68	FLT NEG
037 037	05 05	1 2	55 A	WHT		4 66		N1M5-POS			68		4 0.0	28	N1T4TB1-5			100 0.00	68	FLT POS

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0021							
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION					
				1	2	3		S	FIND	LOC		S	FIND	GP							
	3	4	5	H	LUG	SLV	H	LUG	SLV	3	4	5	H	LUG	SLV						
			NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC	FUNCTION						
			3	4	5	H		FER		3	4	5	H	FER							
036 036	07 07	1 2	5 A	WHT		4 66	17	N1M7-NEG		117 0.00	73		0.0	4 0.00	17	N1W1-4		102 0.00	73	DCRTN	
034 034	13 13	1 2	5 A	WHT		4 66	17	N1M7-POS		117 0.00	73		0.0	4 0.00	17	N1TB8-5B		116 0.00	73	28VBF	
030 030	13 13	1 2	61 A	WHT		4 50	32	N1P1-A A			84		0.0	66		N1S8-7			0.00		20 EQ CH ST
030 030	11 11	1 2	61 A	WHT		4 50	32	N1P1-B B			84		0.0	66		N1S8-5			0.00		20 EQ CH ST
030 030	07 07	1 2	55 A	WHT		4 50	32	N1P1-C C			68		0.0	66		N1S7-3			0.00		20 CGTEST-1
030 030	09 09	1 2	55	WHT		4 50	32	N1P1-D D			68		0.0	66		N1S7-5			0.00		20 CGTEST-2
031 031	03 03	1 2	61 A	WHT		4 50	32	N1P1-E E			84		0.0	66		N1S8-16			0.00		20 TIMER
031 031	01 01	1 2	57 A	RED		4 50	32	N1P1-F F			84		0.0	66		N1S8-14			0.00		20 28VRD
039 039	11 11	1 2	55 A	WHT		4 66	32 21	N1P1-G G			68		AN 0.0	4 0.00	28	N3TB10-1A		100 0.00	68		TEMP
039 039	13 13	1 2	55 A	WHT		4 66	32 21	N1P1-H H			68		AN 0.0	4 0.00	29	N3TB10-3A		100 0.00	68		TEMP
030 030	03 03	1 2	53 A	RED		4 50	32	N1P1-J J			68		0.0	66		N1E25-10			0.00		20 RC(ON)

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0022				
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE LENGTH	KY	NOTES 1 2 3 4 5	LOCATION MARKING	TO . S H S H	FIND LUG STP	GP SC	FUNCTION FUNCTION			
048 048	13 13	1 2	53 A	RED		4 50	32 K	N1P1-K			68 0.00		0.0	4 66	N1TB8-6B		114 0.00	68	20	28VRD
031 031	09 09	1 2	53 A	RED		4 50	32 N	N1P1-N			68 0.00		0.0	66 4 63	N1CB13-4		114 0.00	68	20	28VI
030 030	05 05	1 2	53 A	RED		4 50	32 P	N1P1-P			68 0.00		0.0	66 4 63	N1CB13-5		114 0.00	68	20	EM PWR
066 066	02 02	1 2		BLK		4 66	32 U	N1P1-U			68 0.00		0.0	50 4 61	N1TB41-7A		100 0.00	68	20	ALARM
066 066	01 01	1 2	83 A	WHT		4 62	32 66	N1P1-V			68 80		0.0	50 4 64	N1TB41-6A		100 0.00	68	20	ALARM
052 052	13 13	1 2	4 A	WHT		4 29	17	N1PS1TB1-1			133 0.00		0.0	66 4 17	N1CB6-2		116 0.00	74		PHASE A
053 053	01 01	1 2	4 A	WHT		4 29	17	N1PS1TB1-2			133 0.00		0.0	66 4 17	N1CB7-2		116 0.00	74		PHASE B
053 053	03 03	1 2	4 A	WHT		4 29	17	N1PS1TB1-3			133 0.00		0.0	66 4 1 7	N1CB8-2		116 0.00	74		PHASE C
054 054	01 01	1 2	41 A	WHT		4 0.00	29	N1PS1TB1-4			101 0.00		0.0	66 4 66	N1W3-3		102 0.00	72		NEUTRAL
039 039	09 09	1 2	50 A	BLK		4 66	29	N1PS1TB2-1			133 0.00		0.0	4 N1W1-2		102 0.00	72		DCRTN	
030 030	01 01	1 2	44 A	RED		4 29		N1PS1TB2-2			101 0.00		0.0	66 4 66	N1TB8-11A		116 0.00	72		+24V

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0023								
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION		
				1	2	3		S	FIND	H			LUG	SLV		1	2	S			FIND	H
	3	4	5	S	STP	H	FND	FER	3	4	5	S	STP	H	FND	FER						
065 065	05 05	1 2	83 E	WHT		4 62	66 29	N1PS1TB2-3		100 0.00	68		80	26.0	4 61	64	N1TB41-9A		100 0.00	68 7		ALARM
065 065	06 06	1 2		BLK E		4 29	66	N1PS1TB2-4		100 0.00	68		26.0	4 29		N1TB41-10A		100 0.00	68		ALARM	
055 055	01 01	1 2	5 A	WHT		4 29	17	N1PS30TB1-1			101 0.00	73 0.0		4 66	17	N1CB17-2		102 0.00	73 +		28VDC	
064 064	13 13	1 2	50 A	BLK		4 29	66	N1PS30TB1-2		101 0.00	72		0.0	4 66		W1-16		102 0.00	72		DCRTN	
057 057	09 09	1 2	50 C	BLK		4 29	66	N1PS30TB1-3		101 0.00	72	E 85.0		4 6		N3J38-BRS			72		115VAC	
058 058	11 11	1 2	49 C	WHT		4 29	66	N1PS30TB1-4		101 0.00	72	CA 96.		4 6		N3J38-S1L 0		0.00	72		NEUTRAL	
040 040	09 09	1 2	12 E	RED		4 36	24 66	N1R1-1A		112 0.00	77		51.0	4		N3E23A		113 0.00	77		+28VDC !	
036 036	11 11	1 2	4 A	WHT		4 23	21	N1R1-1B		136 0.00	74		0.0	4 66	23	N1S18-26		101 0.00	74		C LOAD	
036 036	09 09	1 2	4 A	WHT		4 23	21	N1R1-2B		136 0.00	74		0.0	4 66	23	N1S18-16		101 0.00	74		C LOAD	
051 051	09 09	1 2	42 A	BLK		4	66	N1S1-14		101 0.00	72		0.0	4		N1T1-X1		116 0.00	72		PHASE A	
051 051	11 11	1 2	39 A	RED		4	66	N1S1-15		101 0.00	72		0.0	4		N1T2-X1		116 0.00	72		PHASE B	

Change 2-1672

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST							DWG NO. SM-B-817043			PAGE 0024						
			WI FND KCD	CLR KSQL	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE LENGTH	KY	NOTES 1 2 3 4 5	LOCATION MARKING	TO . S H S H	FIND LUG STP FND FER	GP SC	FUNCTION		
051 051	13 13	1 2	43 A	BLU		4 66	N1S1-16		101 0.00	72		0.0	4		N1T3-X1		116 0.00	72	PHASE C
034 034	07 07	1 2	61 A	WHT		66 6	N1S10-6		0.00			0.0	4		N1TB8-2B		114 0.00	84	BB1
034 034	09 09	1 2	61 A	WHT		66 6	N1S11-6		0.00			0.0	4		N1TB8-3B		114 0.00	84	BB2
031 031	05 05	1 2	4 A	WHT		4 66	N1S18-15		101 0.00	74		0.0	21 4 23		N1A3TB2-2		101 0.00	74	POS
036 036	09 09	1 2	4 A	WHT		4 23 66	N1S18-16		101 0.00	74		0.0	23 4 21		N1R1-2B		136 0.00	74	C LOAD
031 031	07 07	1 2	4 A	WHT		4 66 23	N1S18-25		101 0.00	74		0.0	4 23		N1A3TB2-1		101 0.00	74	NEG
036 036	11 11	1 2	4 A	WHT		4 23 66	N1S18-26		101 0.00	74		0.0	23 4 21		N1R1-1B		136 0.00	74	C LOAD
032 032	09 09	1 2	5 A	WHT		4 66	N1S19-2		101 0.00	73		0.0	4 17		N1A5TB2-2		101 0.00	73	+28VDC
032 032	07 07	1 2	5 A	WHT		4 66	N1S19-3		101 0.00	73		0.0	4 17		N1A5TB2-1		101 0.00	73	+28VDC
034 034	05 05	1 2	57 A	RED		6	N1S2-5		0.00			0.0	66 6		N1CB5-10		0.00		28VRD
034 034	11 11	1 2	57 A	RED		66 6	N1S2-6		0.00			0.0	4		N1TB8-4B		114 0.00	84	VENT

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0025					
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	TO .		S H S H	FIND		GP SC	FUNCTION		
				1	2		S	FIND	1		2	S		FIND					
				3	4		5	H	LUG		SLV	3		4	5			H	LUG
039 039	05 05	1 2	5 A	WHT		4 17 66	N1S20-2		101 0.00	73		0.0	4 17	N1W1-6		102 0.00	73	DCRTN	
033 033	01 01	1 2	5 A	WHT		4 66	N1S20-3		101 0.00	73		0.0	4 28	N1A5TB2-7		101 0.00	73	MAIN LTS	
032 032	13 13	1 2	55 A	WHT		66	N1S21-14					0.0	4	N1A5TB2-6		100 0.00	84	BOBP	
032 032	11 11	1 2	61 A	WHT		66	N1S21-16					0.0	4	N1A5TB2-5		100 0.00	68	BOBP	
050 050	13 13	1 2		WHT E		46 66	N1S22A-C					0.0	33.0	4	N1A5TB2-6		101 0.00	72	BOBP
050 050	11 11	1 2		WHT E		46 66	N1S22A-NO					0.0	33.0	4	N1A5TB2-5		101 0.00	72	BOBP
066 066	06 06	1 2		BLK E		58 4 66	N1S22B-C		100 0.00	68		33.0	4 61	N1TB41-4A		100 0.00	68	ALARM	
066 066	05 05	1 2	83 E	WHT		58 4 62 66	N1S22B-NO		100 0.00	68 80		33.0	4 64	N1TB41-3A		100 0.00	68 7	ALARM	
044 044	01 01	1 2	44 A	RED		4	N1S33-1		147 0.00	72		0.0	4 66	N1TB8-5A		116 0.00	72	28VBF	
049 049	11 11	1 2	49 A	WHT		4	N1S33-2		147 0.00	72		0.0	66 4 28	N1TB41-1A		101 0.00	72	BELL	
042 042	07 07	1 2	5 A	WHT		4 17	N1S34-3		101 0.00	73		0.0	66 4 17	N1TB7-7		102 0.00	73	+28VDC	

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0026					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2	MARKING			H	LUG	SLV
			S	STP	FND	3	4	5	H	STP	FND	H	STP	FND	FER				
033 033	03 03	1 2	57 A	RED	66	N1S5-16				0.00	0.0	4		N1TB8-6B	114 0.00	84	28VRD		
030 030	07 07	1 2	55 A	WHT	66	N1S7-3				0.00	0.0	50	4 32	N1P1-C C	0.00	68	20 CGTEST-1		
030 030	09 09	1 2	55	WHT	66	N1S7-5				0.00	0.0	50	4 32	N1P1-D D	0.00	68	20 CGTEST-2		
031 031	01 01	1 2	57 A	RED	66	N158-14				0.00	0.0	50	4 32	N1P1-F F	0.00	84	20 28VRD		
031 031	03 03	1 2	61 A	WHT	66	N1S8-16				0.00	0.0	50	4 32	N1P1-E E	0.00	84	20 TIMER		
030 030	11 11	1 2	61 A	WHT	66	N1S8-5				0.00	0.0	50	4 32	N1P1-B B	0.00	84	20 EQ CH ST		
030 030	13 13	1 2	61 A	WHT	66	N1S8-7				0.00	0.0	50	4 32	N1P1-A A	0.00	84	20 EQCH ST		
051 051	09 09	1 2	42 A	BLK	4	N1T1-X1	116 0.00	72		0.0	0.0	4	66	N1S1-14	101 0.00	72	PHASE A		
051 051	07 07	1 2	41 A	WHT	4	N1T1-X2	116 0.00	72		0.0	0.0	4	66	N1M1-POS	117 0.00	72	NEUTRAL -.		
051 051	11 11	1 2	39 A	RED	4	N1T2-X1	116 0.00	72		0.0	0.0	4	66	N1S1-15	101 0.00	72	PHASE B		
051 051	13 13	1 2	43 A	BLU	4	N1T3-X1	116 0.00	72		0.0	0.0	4	66	N1S1-16	101 0.00	72	PHASE C		

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0027				
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION		
				1	2	3		S	FIND	KY		NOTES	LOCATION	S			FIND	
				4	5	H		LUG	SLV	1		2	3	4			5	H
3	4	5	S	STP	FND	3	4	5	S	STP	FND	H	FER					
044 044	05 05	1 2	49 A	WHT		4 28	N1T4TB1-1		101 0.00	72		0.0	4 66	N1TB8-6A		116 0.00	72	28VRD
040 040	07 07	1 2	44 C	RED		4 28	N1T4TB1-1		133 0.00	72	CA 156.0	4 28	N3TB10-S5A		101 0.00	72	28VRD	
037 037	01 01	1 2	50 A	BLK		4 28	N1T4TB1-2		101 0.00	72		0.0	4 66	N1W1-3		102 0.00	72	DCRTN
037 037	03 03	1 2	55 A	WHT		4 28	N1T4TB1-3		100 0.00	68		0.0	4 66	N1M5-NEG		115 0.00	68	FLT NEG
037 037	05 05	1 2	55 A	WHT		4 28	N1T4TB1-5		100 0.00	68		0.0	4 66	N1M5-POS		115 0.00	68	FLT POS
025 025	05 05	1 2	22 D	BLK		4 8	N1TB1-11A		109 0.00	77		16.5	4	N1TB3-1B		109 0.00	77	PHASE A
023 023	01 01	1 2	18 D	BLK		4	N1TB1-1B		111 0.00	77		20.5	4 30 66	N1J1-A			77	50160HZPHA
025 025	07 07	1 2	19 D	RED		4 8	N1TB1-2A		109 0.00	77		17.5	4	N1TB3-2B		109 0.00	77	PHASE B
023 023	03 03	1 2	15 D	RED		4	N1TB1-2B		111 0.00	77		19.0	4 30 66	N1J1-B			77	50160HZPHB
025 025	09 09	1 2	20 D	BLU		4 8	N1TB1-3A		109 0.00	77		19.0	4	N1TB3-3B		109 0.00	77	PHASE C
023 023	05 05	1 2	16 D	BLU		4	N1TB1-3B		111 0.00	77		18.0	4 30 66	N1J1-C			77	50160HZPHC



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0028						
			WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES		LOCATION	TO .				
FND	KCD	KSQ	1	2	3	4	5	MARKING	S	H	LUG	SLV	LENGTH	1	2	MARKING	S	H	LUG	SLV	GP	FUNCTION
			NOTES						S	H	STP	FND		NOTES			S	H	STP	FND	SC	FUNCTION
			3	4	5				H			FER		3	4	5	H			FER		
025	11	1	21	WHT		4	8	N1TB1-4A		109		77			4	N1TB3-4B		109		77		NEUTRAL
025	11	2	D			66				0.00			21.5					0.00				
023	07	1	17	WHT		4		N1TB1-4B		111		77		4	47	N1JI-N				77		50160HZNEU
023	07	2	D							0.00			17.	0	66			0.00				
029	05	1	36	WHT		4		N1TB1-4B		105		75		4	6	N1J4-D				75		NEUTRAL
029	05	2	D							0.00			12.0	59	66	D		0.00				
064	10	1		49	WHT	9	66	N1TB18-1		101		72		4		N1A5TB2-2		101		72		EM LTS
064	10	2	E							0.00			23.0					0.00				
064	12	1	49	WHT		9	66	N1TB18-2		101		72		4		N1A5TB2-3		101		72		EM LTS
064	12	2	E							0.00			23.0					0.00				
065	01	1	49	WHT		9	66	N1TB18-3		101		72		4		N1A5TB2-4		101		72		BO LTS
065	01	2	E							0.00			23.0					0.00				
065	03	1	49	WHT		9	66	N1TB18-4		101		72		4		N1A5TB2-8		101		72		BO LTS
065	03	2	E							0.00			23.0					0.00				
062	09	1		GRN		9	46	N1TB18-8						4		N1E20		117		72		GND
062	09	2	E		66					0.00			0.0					0.00				
024	11	1	18	BLK		4		N1TB2-1A		111		75		4	30	N1J2-A				77		400HZ PHA
024	11	2	D							0.00			20.5	66				0.00				
024	13	1	15	RED		4		N1TB2-2A		111		75		4	30	N1J2-B				77		400HZ PHB
024	13	2	D							0.00			18.5	66				0.00				
025	01	1	16	BLU		4		N1TB2-3A		111		77		4	30	N1J2-C				77		400HZ PHC
025	01	2	D							0.00			18.5	66				0.00				

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0029		
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	KY	NOTES 1 2 3 4 5	LOCATION MARKING	TO . S H S H	FIND LUG STP FND FER	GP SC	FUNCTION
025 025	03 03	1 2	17 D	WHT	4	N1TB2-4A	111 0.00	77	17.0	66	4 47	N1J2-N	0.00	77	400HZ	NEUT		
042 042	01 01	1 2	39 A	RED	4	N1TB21-1A	101 0.00	72	0.0	66	4 66	N1TB7-4	0.00	72	+28VDC			
049 049	13 13	1 2	57 G	RED 66	4 28	N1TB21-1B	100 0.00	84	AABB 60.0	50	4 33	N2P4-2 2	0.00	84	3 +28VDC			
042 042	05 05	1 2	42 A	BLK	4 29	N1TB21-2A	101 0.00	72	0.0	66	4 66	N1W1-17	0.00	72	DCRTN			
050 050	01 01	1 2	59 G	BLK	4 66	N1TB21-2B	100 0.00	84	AABB 60.0	50	4 33	N2P4-13 13	0.00	84	3 DCRTN			
026 026	05 05	1 2		BLK D	4 46 66	N1TB3-1	119 0.00	73	9.0			N1E5-BLK	0.00		PHASE A			
025 025	13 13	1 2	26 D	BLK	4 66	N1TB3-1A	107 0.00	76	17.5	4		N1CB1-1	0.00	76	PHASE A			
054 054	05 05	1 2	1 D	WHT	4 17 66	N1TB3-1B	107 0.00	76	25.0	29	4 17	N1FL2-LINE	0.00	76	PHASE A			
025 025	05 05	1 2	22 D	BLK	4	N1TB3-1B	109 0.00	77	16.5	66	4 8	N1TB1-IA	0.00	77	PHASE A			
026 026	07 07	1 2		BLK D	4 46 17 66	N1TB3-2	119 0.00	7	9.0	4		N1E4-BLK	0.00		PHASE B			
026 026	01 01	1 2	23 D	RED	4 66	N1TB3-2A	107 0.00	76	13.0	4		N1CB1-3	0.00	76	PHASE B			

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0030				
			WI FND KCD	CLR KSQL	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE LENGTH	KY	NOTES 1 2 3 4 5	LOCATION MARKING	TO . S H S H	FIND LUG STP	GP SC	FUNCTION FUNCTION			
054 054	07 07	1 2	1 D	WHT		4 66	17	N1TB3-2B		107 0.00	76	20.0	29	4 66	17	N1FL3-LINE		100 0.00	76	PHASE B
025 025	07 07	1 2	19 D	RED		4		N1TB3-2B		109 0.00	77	17.5	66	4 66	8	N1TB1-2A		109 0.00	77	PHASE B
026 026	09 09	1 2		BLK		4 66	46	N1TB3-3		119 0.00	74	9.0				N1E3-BLK		0.00		PHASE C
026 026	03 03	1 2	24 D	BLU		4 66		N1TB3-3A		107 0.00	76	4.0		4		N1CB1-5		107 0.00	76	PHASE C
054 054	09 09	1 2	1 D	WHT		4 66	17	N1TB3-3B		107 0.00	76	22.0	29	4 66	17	N1FL4-LINE		100 0.00	76	PHASE C
025 025	09 09	1 2	20 D	BLU		4		N1TB3-3B		109 0.00	77	19.0	66	4 66	8	N1TB1-3A		109 0.00	77	PHASE C
026 026	11 11	1 2		BLK		4 66	46	N1TB3-4		119 0.00	74	9.0				N1E2-BLK		0.00		NEUTRAL
054 054	11 12	1 2	1 D	WHT		4 66	22	N1TB3-4B		107 0.00	76	25.0	29	4 66	22	N1FLS-LINE		100 0.00	76	NEUTRAL
029 029	03 03	1 2	36 D	WHT		4		N1TB3-4B		105 0.00	75	12.0	59	4 66	6	N1J3-D D		0.00	75	NEUTRAL
025 025	11 11	1 2	21 D	WHT		4		N1TB3-4B		109 0.00	77	21.5	66	4 66	8	N1TB1-4A		109 0.00	77	NEUTRAL
065 065	06 06	1 2		BLK		4 66	29	N1TB41-10A		100 0.00	68	26.0	29	4 66	66	N1PS1TB2-4		100 0.00	68	ALARM

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0031									
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION							
				1	2	3		S	FIND	KY		NOTES	LOCATION	S			FIND						
				4	5	H		LUG	SLV	1		2	3	4			5	H	LUG	SLV	FND	FER	
065 065	07 07	1 2				66	N1TB41-10A	S			0.00	0.0	6	N1TB41-8A	S				0.00			SHIELD	
049 049	11 11	1 2	49			4 28 66	N1TB41-1A		101	72	0.00	0.0	4	N1S33-2				147	72	0.00			BELL
049 049	07 07	1 2					N1TB41-1B				0.00	0.0	9 66	N1DS1-WHT						0.00			BELL
050 050	09 09	1 2				4 66	N1TB41-2A		101	72	0.00	0.0	4	N1W1-9				102	72	0.00			DCRTN
066 066	05 05	1 2				4 64	N1TB41-3A		100	68	0.00	33.0	62 66 4	N1S22B-NO				100	68	0.00	80		ALARM
064 064	05 05	1 1 2	49			4 66 61	N1TB41-4A		110	84	0.00	342.0	29 4 61	A58TB1-5B				110	84	0.00	7		ALARM
066 066	07 07	1 2				66	N1TB41-4A S				0.00	0.0	4	N1E47				139	68	0.00			SHIELD
066 066	06 06	1 2				4 61	N1TB41-4A		100	68	0.00	33.0	58 66 4	N1S22B-C				100	68	0.00			ALARM
066 066	03 03	1 2					N1TB41-4A	S			0.00	0.0	66	N1TB41-7A	S					0.00			SHIELD
064 064	07 07	1 2				66 46	N1TB41-5	S			0.00	5.5	4	N1E47				139	84	0.00			GND
064 064	06 06	1 2				4 66	N1TB41-5A		110	84	0.00	342.0	4 29	A58TB1-7B				110	84	0.00			ALARM

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0032						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION				
				1	2	3		S	FIND	KY		NOTES	LOCATION	S			FIND			
				4	5	H		LUG	SLV	1		2	MARKING	H			LUG	SLV		
3	4	5	S	STP	FND	3	4	5	S	STP	FND	H	FER							
066 066	01 01	1 2	83 A	WHT		4 50	64	N1TB41-6A		100 0.00	68 7		0.0	4 62	32 66	N1P1-V		68 0.00	20 80	ALARM
065 065	09 09	1 2	83 A	WHT		4 61	64	N1TB41-7A		100 0.00	68 7		0.0	4 63	62 66	N1CB13-6 0.00		114 80	68	EMPWR ALM
066 066	02 02	1 2		BLK A		4 50	61	N1TB41-7A		100 0.00	68		0.0	4 66	32 U	N1P1-U U		68 0.00	20	ALARM
066 066	03 03	1 2		WHT A		66		N1TB41-7A	S				0.0			N1TB41-4A	S			SHIELD
065 065	11 11	1 2		WHT A				N1TB41-7A	S				0.0	66		N1TB41-8A	S		0.00	SHIELD
065 065	10 10	1 2		BLK A		4		N1TB41-8A		100 0.00	68		0.0	4 66	63	N1CB13-7		114 0.00	68	EMPWR ALM
065 065	07 07	1 2		WHT E		6		N1TB41-8A	S				0.0	66		N1TB41-10A	S		0.00	SHIELD
065 065	11 11	1 2		WHT A		66		N1TB41-8A	S				0.0			N1TB41-7A	S		0.00	SHIELD
065 065	05 05	1 2	83 E	WHT		4 61	64	N1TB41-9A		100 0.00	68 7		26.0	4 62	66 29	N1PS1TB2-3		100 0.00	68 80	ALARM
049 049	09 09	1 2		BLK E				N1TB41C2B					0.0	9	66	N1DS1-BLK			0.00	DCRTN
054 054	13 13	1 2	5 A	WHT		4	17	N1TB5-1A		101 0.00	73		0.0	4 66	17	N1CB10-2		102 0.00	73	115VAC

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0033								
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO .			GP	FUNCTION	
						1	2	3		S	FIND	LENGTH			1	2	3		H	LUG	SLV			H
			FND	KSQ		3	4	5	MARKING	S	STP	FER			3	4	5	MARKING	S	STP	FER			
057	07	1	50	BLK		4	66		N1TB5-1B	101		72	E	4		6		N3J39-BRS				72	115VAC	
057	07	2	C							0.00			78.0									0.00		
057	11	1	50	BLK		4	66		N1TB5-3B	101		72	KZX	4		29		N6E31TB1-4A				101	72	PHASE A
057	11	2	C							0.00			311.0									0.00		
057	13	1	44	RED		4	66		N1TB5-4B	101		72	KZX	4		29		N6E31TB1-5A				101	72	PHASE B
057	13	2	C							0.00			316.6									0.00		
058	01	1	46	BLU		4	66		N1TB5-5B	101		72	KZX	4		29		N6E31TB1-6A				101	72	PHASE C
058	01	2	C							0.00			310.0									0.00		
058	03	1	50	BLK		4	66		N1TB5-6B	101		72	KZV	4		29		N7E32TB2-1B				101	72	PHASE A
058	03	2	C							0.00			297.0									0.00		
058	05	1	44	RED		4	66		N1TB5-7B	101		72	KZV	4		29		N7E32TB2-2B				101	72	PHASE B
058	05	2	C							0.00			300.0	50								0.00		
058	07	1	46	BLU		4	66		N1TB5-8B	101		72	KZV	4		29		N7E32TB2-3B				101	72	PHASE C
058	07	2	C							0.00			300.0									0.00		
056	01	1	5	WHT		4	17		N1TB5-9A	101		73		4		17		N1CB5-8				102	73	115VAC
056	01	2	A							0.00			0.0	66								0.00		
058	09	1	56	BLK		4	66		N1TB5-9B	100		68	HF	4				N3P46-A					68	18 115VAC
058	09	2	C							0.00			128.0					A				0.00		
059	03	1	50	BLK		4	66		N1TB6-1B	101		72	KZT	4		29		N8E33TB2-1B				101	72	PHASE A
059	03	2	C							0.00			266.0									0.00		
059	05	1	44	RED		4	66		N1TB6-2B	101		72	KZT	4		29		N8E33TB2-2B				101	72	PHASE B
059	05	2	C							0.00			274.0									0.00		

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0034							
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES			LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2	3		S	FIND	H			LUG	SLV	1		2	3	S		
	3	4	5	S	STP	H	FND	FER	3	4	5	S	STP	H	FND	FER					
059 059	07 07	1 2	46 C	BLU		4	66		N1TB6-3B		101 0.00	72	KZT 272.0	4	29		N8E33TB2-3B		101 0.00	72	PHASE C
059 059	09 09	1 2	50 C	BLK		4	66		N1TB6-4B		101 0.00	72	KZR 243.0	4	29		N9E34TB1-4A		101 0.00	72	PHASE A
059 059	11 11	1 2	44 C	RED		4	66		N1TB6-5B		101 0.00	72	KZR 243.0	4	29		N9E34TB1-5A		101 0.00	72	PHASE B
059 059	13 13	1 2	46 C	BLU		4	66		N1TB6-6B		101 0.00	72	KZR 244.0	4	29		N9E34TB1-6A		101 0.00	72	PHASE C
057 057	01 01	1 2	5 A	WHT		4	17		N1TB6-7A		101 0.00	73		4	17	66	N1CB25-4		102 0.00	73	115VAC
060 060	01 01	1 2	50 E	BLK		4	66		N1TB6-7B		101 0.00	72	AABB 125.0	4			N2J40-A A		72 0.00		115VAC
057 057	03 03	1 2	5 A	WHT		4	17		N1TB6-8A		101 0.00	73		10	66		N1XDS15-NEG		0.00		IND LITE
060 060	03 03	1 2	48 E	GRA		4	66		N1TB6-8B		101 0.00	72		4			N2TB12-1A		101 0.00	72	IND LITE
057 057	05 05	1 2	5 A	WHT		4	17		N1TB6-9A		101 0.00	73		10	66		N1XDS15-POS		0.00		IND LITE
060 060	05 05	1 2	48 E	GRA		4	66		N1TB6-9B		101 0.00	72		4			N2TB12-2A		101 0.00	72	IND LITE
033 033	11 11	1 2	2 A	WHT		4	17		N1TB7-1		140 0.00	75		4	17	66	N1CB15-2		140 0.00	75	+28VDC

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0035					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2	MARKING			H	LUG	SLV
			S	STP	FND	3	4	5	H	STP	FND	H	STP	FND	FER				
040 040	13 13	1 2	39 C	RED	4	66	N1TB7-1	102 0.00	72	AAJYW 331.0	4	29	N6E31TB1-1A	101 0.00	72	+28VDC			
041 041	03 03	1 2	39 C	RED	4	66	N1TB7-2	102 0.00	72	AAJU 290.0	14	4	29	N7TB3-13B	101 0.00	72	+28VDC		
041 041	07 07	1 2	39 C	RED	4	66	N1TB7-3	102 0.00	72	AAJS 274.0	15	4	29	N8TB3-13B	101 0.00	72	+28VDC		
041 041	11 11	1 2	39 C	RED	4	66	N1TB7-3	102 0.00	72	AAJR 249.0		4	29	N9E34TB1-1A	101 0.00	72	+28VDC		
033 033	13 13	1 2	4 A	WHT	4	17	N1TB7-4	102 0.00	74		0.0	4	17	N1CB22-2	102 0.00	74	+28VDC		
042 042	01 01	1 2	39 A	RED	4	66	N1TB7-4	102 0.00	72		0.0	4		N1TB21-1A	101 0.00	72	+28VDC		
034 034	01 01	1 2	4 A	WHT	4	17	N1TB7-5	102 0.00	74		0.0	4	17	N1CB23-2	102 0.00	74	+28VDC		
042 042	11 11	1 2	39 C	RED	4	66	N1TB7-5	102 0.00	72	AAJP 305.0	16	4	28	N9TB3-11B	101 0.00	72	+28VDC		
034 034	03 03	1 2	4 A	WHT	4	17	N1TB7-6	102 0.00	74		0.0	4	17	N1CB24-2	102 0.00	74	+28VDC		
043 043	01 01	1 2	39 C	RED	4	66	N1TB7-6	102 0.00	72	AAJP 245.0	16	4	29	N9TB3-13B	101 0.00	72	+28VDC		
042 042	07 07	1 2	5 A	WHT	4	17	N1TB7-7	102 0.00	73		0.0	4	17	N1S34-3	101 0.00	73	+28VDC		



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE		REDUNDANT CABLE RUN LIST															DWG NO. SM-B-817043			PAGE 0036		
SHT	LN	C	WI	CLR	FROM					TO					S	FIND	GP	FUNCTION				
			FND	KSQ	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
			KCD			1	2	H	LUG	SLV	1	2		H	LUG	SLV						
					3	4	5	S	STP	FND	3	4	5	S	STP	FND	SC	FUNCTION				
							MARKING	H		LENGTH			MARKING	H		FER						
037	09	1	44	RED		4	66		102	72		4	N3TB13-1		101	72		+28VDC				
037	09	2	C						0.00	116.0					0.00							
043	07	1	44	RED		4	29		116	72	CA	4	N3S3-C		101	72		+24V				
043	07	2	C		66				0.00	201.0					0.00							
049	01	1	5	WHT		4	17		116	73		10	N1E25-CR7A		0.00			+24V				
049	01	2	A		28	66			0.00	0.0												
039	07	1	44	RED		4	28		116	72		4	N1A5TB2-9		101	72		+24V				
039	07	2	A		66				0.00	0.0					0.00							
030	01	1	44	RED		4	66		116	72		4	N1PS1TB2-2		101	72		+24V				
030	01	2	A						0.00	0.0	29				0.00							
049	03	1	5	WHT		4	17		116	73		10	N1XK1-B2		0.00			+24V				
049	03	2	A		28	66			0.00	0.0												
043	09	1	55	WHT		4	66		114	68	CA	4	N3TB10-4A		100	68		BB1				
043	09	2	C						0.00	130.0					0.00							
034	07	1	61	WHT		4			114	84		66	N1S10-6		0.00			BB1				
034	07	2	A						0.00	0.0												
043	11	1	55	WHT		4	66		114	68	CA	4	N3TB10-2A		100	68		BB2				
043	11	2	C						0.00	130.0					0.00							
034	09	1	61	WHT		4			114	84		66	N1S11-6		0.00			BB2				
034	09	2	A						0.00	0.0												
043	13	1	49	WHT		4	66		116	72	CA	4	N3S3-NO		101	72		VENT				
043	13	2	C						0.00	193.0					0.00							

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0037				
SHT	LN	C	WI	CLR	FROM					TO					S	FIND	GP	FUNCTION		
			FND		KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND					
			KCD	KSQ	1	2		H	LUG	SLV	1	2		H	LUG	SLV				
					NOTES	MARKING		S	STP	FND	NOTES	MARKING		S	STP	FND				
					3	4	5	H		FER	3	4	5	H		FER				
										LENGTH										
034	11	1	57	RED	4		N1TB8-4B		114	84		66	6							VENT
034	11	2	A						0.00							0.00				
044	03	1	39	RED	4	66	N1TB8-5A		116	72		4	29			101	72			28VBF
044	03	2	C						0.00		339.0					0.00				
044	01	1	44	RED	4	66	N1TB8-5A		116	72		4				147	72			28VBF
044	01	2	A						0.00		0.0					0.00				
034	13	1	5	WHT	4	17	N1TB8-5B		116	73		4	17			117	73			28VBF
034	13	2	A				0.00				0.0	66				0.00				
044	05	1	49	WHT	4	66	N1TB8-6A		116	72		4	28			101	72			28VRD
044	05	2	A						0.00		0.0					0.00				
048	13	1	53	RED	4	66	N1TB8-6B		114	68		4	32				68	20		28VRD
048	13	2	A						0.00		0.0	50				0.00				
033	03	1	57	RED	4		N1TB8-6B		114	84		66								28VRD
033	03	2	A						0.00		0.0					0.00				
035	01	1	1	WHT	4	17	N1TB9-1		107	76		4	17			107	76			+28VDC
035	01	2	A						0.00		0.0	66				0.00				
044	07	1	23	RED	4	66	N1TB9-1		107	76	AAJW	4				107	76			+28VDC
044	07	2	C						0.00		295.0					0.00				
035	03	1	1	WHT	4	17	N1TB9-2		107	76		4	17			107	76			+28VDC
035	03	2	A						0.00		0.0	66				0.00				
044	11	1	23	RED	4	66	N1TB9-2		107	76	AAJW	4				107	76			+28VDC
044	11	2	C						0.00		266.0					0.00				

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0038				
SHT	LN	C	FROM										TO							
WI	CLR	KY	NOTES	LOCATION	S	FIND		ROUTE	KY	NOTES	LOCATION	S	FIND		GP	FUNCTION				
						H	LUG						SLV	H			LUG	SLV		
FND	KCD	KSQ	1	2	3	4	5	MARKING	LENGTH	1	2	3	4	5	H	SC	FUNCTION			
																		S	STP	FND
035	05	1	1	WHT	4	17	N1TB9-3	107	76		4	17	N1CB30-2	107	76		+28VDC			
035	05	2	A					0.00		0.0	66			0.00						
045	01	1	23	RED	4	66	N1TB9-3	107	76	AAJW	4		N8E33-E8B	107	76		+28VDC			
045	01	2	C					0.00		253.0				0.00						
035	07	1	1	WHT	4	17	N1TB9-4	107	76		4	17	N1CB31-2	107	76		+28VDC			
035	07	2	A					0.00		0.0	66			0.00						
045	04	1	23	RED	4	66	N1TB9-4	107	76	AAJP	4		N9E34-E8B	107	76		+28VDC			
045	04	2	C					0.00		218.0				0.00						
035	09	1	6	WHT	4	17	N1TB9-5	105	75		4	17	N1CB25-2	104	75		+28VDC			
035	09	2	A					0.00		0.0	66			0.00						
045	05	1	31	RED	4	66	N1TB9-5	105	75	AABB	4		N2TB11-1	104	75		+28VDC			
045	05	2	C					0.00		60.0				0.00						
035	11	1	6	WHT	4	17	N1TB9-6	105	75		4	17	N1CB26-2	104	75		+28VDC			
035	11	2	A					0.00		0.0	66			0.00						
045	09	1	31	RED	4	66	N1TB9-6	105	75	AAJN		50	N10P6-A			4	+28VDC			
045	09	2	C					0.00		263.0				0.00						
035	13	1	6	WHT	4	17	N1TB9-7	105	75		4	17	N1CB27-2	104	75		+28VDC			
035	13	2	A					0.00		0.0	66			0.00						
045	13	1	31	RED	4	66	N1TB9-7	105	75	AAJN		50	N10P7-A			5	+28VDC			
045	13	2	C					0.00		260.0			A	0.00						
032	03	1	50	BLK	4		N1W1-1	102	72		4	66	N1FL1-2	116	72		DCRTN			
032	03	2	A					0.00		0.0				0.00						

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0039			GP FUNCTION	
			FROM .....										TO .....							
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION						
FND			1 2		H	LUG	AAJW	1 2			H	LUG	SC	FUNCTION						
KCD	KSQ		NOTES	MARKING	S	STP	LENGTH	NOTES	MARKING	S	STP	FND								
			3 4 5		H	FER		3 4 5		H	FER									
044	09	1	26	BLK	4	66	N1W1-12	107	76	AAJW	4	29	N6E31-E10B	107	76	DCRTN				
044	09	2	C					0.00	286.0					0.00						
045	03	1	26	BLK	4	66	N1W1-13	107	76	AAJS	4	29	N8E33-E10B	107	76	DCRTN				
045	03	2	C					0.00	241.0					0.00						
045	11	1	35	BLK	4	66	N1W1-14	105	75	AAJN		50	N10P6-B			4 DCRTN				
045	11	2	C					0.00	244.0					0.00						
045	07	1	35	BLK	4	66	N1W1-15	138	75	AABB	4		N2TB11-2	104	75	DCRTN				
045	07	2	C					0.00	25.0					0.00						
042	03	1	42	BLK	4	66	N1W1-16	102	72		4	29	A58TB1-2B	101	72	DCRTN				
042	03	2	C					0.00	280.0					0.00						
042	05	1	42	BLK	4	66	N1W1-17	102	72		4	29	N1TB21-2A	101	72	DCRTN				
042	05	2	A					0.00	0.0					0.00						
041	01	1	42	BLK	4	66	N1W1-18	102	72	AAJYW	4	29	N6E31TB1-3A	101	72	DCRTN				
041	01	2	C					0.00	290.0					0.00						
041	05	1	42	BLK	4	66	N1W1-19	102	72	AAJU	4	29	N7TB3-14B	101	72	DCRTN				
041	05	2	C					0.00	253.0		14			0.00						
039	09	1	50	BLK	4		N1W1-2	102	72		4	29	N1PS1TB2-1	133	72	DCRTN				
039	09	2	A					0.00	0.0		66			0.00						
041	09	1	42	BLK	4	66	N1W1-20	102	72	AAJS	4	29	N8TB3-14B	101	72	DCRTN				
041	09	2	C					0.00	244.0		15			0.00						
041	13	1	42	BLK	4	66	N1W1-21	102	72	AAJP	4	29	N9E34TB1-3A	101	72	DCRTN				
041	13	2	C					0.00	222.0					0.00						

Change 2 5-1688

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE		REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0040				
SHT	LN	C	WI	CLR	FROM			S	FIND	ROUTE	TO			S	FIND	GP	FUNCTION		
			FND	KSQ	KY	NOTES	LOCATION	H	LUG	SLV	KY	NOTES	LOCATION	H	LUG	SC	FUNCTION		
			KCD			1 2	MARKING	S	STP	FND	1 2	MARKING	S	STP	FND				
						3 4 5		H		FER	3 4 5		H		FER				
										LENGTH									
042	13	1	42	BLK	4	66	N1W1-22		102	72	AAJP	4	28	N9TB3-12B	101	72	DCRTN		
042	13	2	C						0.00		16				0.00				
043	03	1	42	BLK	4	66	N1W1-23		102	72	AAJP	4	29	N9TB3-14B	101	72	DCRTN		
043	03	2	C						0.00		16				0.00				
042	10	1	50	BLK	4		N1W1-24		102	72	CA	4	66	N3TB13-2	101	72	DCRTN		
042	10	2	C						0.00		120.0				0.00				
044	13	1	26	BLK	4	66	N1W1-27		107	76	AAJW	4	29	N7E32-E10B	107	76	DCRTN		
044	13	2	C						0.00		253.0				0.00				
045	06	1	26	BLK	4	66	N1W1-28		107	76	AAJP	4	29	N9E34-E10B	107	76	DCRTN		
045	06	2	C						0.00		218.0				0.00				
046	01	1	35	BLK	4	66	N1W1-29		105	75	AAJN		50	N10P7-B			5 DCRTN		
046	01	2	C						0.00		238.0				0.00				
037	01	1	50	BLK	4	66	N1W1-3		102	72		4	28	N1T4TB1-2	101	72	DCRTN		
037	01	2	A						0.00		0.0				0.00				
040	11	1	14	BLK	4	66	N1W1-30		112	77	CA	4		N3E24A	113	77	DCRTN		
040	11	2	E						0.00		45.0				0.00				
040	05	1	177	GRN	4		N1W1-35		112	78		4	66	N1E1	112	78	GND		
040	05	2	E						0.00		30.0				0.00				
036	07	1	5	WHT	4	17	N1W1-4		102	73		4	17	N1M7-NEG	117	73	DCRTN		
036	07	2	A						0.00		0.0	66			0.00				
040	03	1	14	BLK	4		N1W1-40		112	77		4	66	N1A3-E4	112	77	DCRTN		
040	03	2	E						0.00		19.0				0.00				

Change 2 5-1689

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0041		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1	2	H	LUG	SLV	1	2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3	4	5	H	FER	3	4	5	H	FER						
036	01	1	4	WHT				4	17	N1W1-5		102	74					
036	01	2	A				0.00					0.00	74	DCRTN				
							0.0	66										
039	05	1	5	WHT				4	17	N1W1-6		102	73					
039	05	2	A				0.00					0.00	73	DCRTN				
							0.0	66										
039	03	1	5	WHT				4	17	N1W1-7		102	73					
039	03	2	A				0.00					0.00	73	DCRTN				
							0.0	66										
049	05	1	5	WHT				4	17	N1W1-8		102	73					
049	05	2	A		66		0.00					0.00	73	DCRTN				
							0.0											
050	09	1	50	BLK				4		N1W1-9		102	72					
050	09	2	A				0.00					0.00	72	DCRTN				
							0.0	66										
038	09	1	1	WHT				4	17	N1W2-1		108	76					
038	09	2	A				0.00					0.00	76	+28VDC				
							0.0	66										
037	13	1	4	WHT				4	17	N1W2-10		102	74					
037	13	2	A				0.00					0.00	74	+28VDC				
							0.0	66										
039	01	1	1	WHT				4	17	N1W2-12		108	76					
039	01	2	A				0.00					0.00	76	+28VDC				
							0.0	66										
038	11	1	1	WHT				4	17	N1W2-13		107	76					
038	11	2	A				0.00					0.00	76	+28VDC				
							0.0	66										
038	13	1	1	WHT				4	17	N1W2-2		108	76					
038	13	2	A				0.00					0.00	76	+28VDC				
							0.0	66										
038	01	1	4	WHT				4	17	N1W2-20		102	74					
038	01	2	A				0.00					0.00	74	+28VDC				
							0.0	66										

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0042				
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					GP	FUNCTION	
			FND	KSQ	KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	S	FIND				
			KCD			1	2	S	STP	FND	LENGTH	1	2	MARKING	H	LUG	SLV	SC	FUNCTION	
					3	4	5	H		FER		3	4	5	H		FER			
038	03	1	6	WHT		4	17		105	75		4	17	N1CB25-1		104	75		+28VDC	
038	03	2	A						0.00		0.0	66				0.00				
038	05	1	6	WHT		4	17		105	75		4	17	N1CB26-1		104	75		+28VDC	
038	05	2	A						0.00		0.0	66				0.00				
038	07	1	6	WHT		4	17		105	75		4	17	N1CB27-1		104	75		+28VDC	
038	07	2	A						0.00		0.0	66				0.00				
036	03	1	2	WHT		4	17		140	75		4	17	N1CB15-1		140	75		+28VDC	
036	03	2	A						0.00		0.0	66				0.00				
036	05	1	4	WHT		4	17		102	75		4	17	N1CB16-1		102	75		+28VDC	
036	05	2	A						0.00		0.0	66				0.00				
037	11	1	4	WHT		4	17		102	74		4	17	N1CB22-1		102	74		+28VDC	
037	11	2	A						0.00		0.0	66				0.00				
053	13	1	1	WHT		4	22		108	76		4	22	N1FL5-LOAD		108	76		NEUTRAL	
053	13	2	E		66				0.00		23.0	29				0.00				
058	13	1	49	WHT		4	66		102	72	E	4	6	N3J39-S1L			72		NEUTRAL	
058	13	2	C						0.00		86.0					0.00				
059	01	1	55	WHT		4	66		139	68	HF	4	50	N3P46-B			68	18	NEUTRAL	
059	01	2	C						0.00		130.0			B		0.00				
054	03	1	41	WHT		4	66		102	72		4		N1A5TB1-5		101	72		NEUTRAL	
054	03	2	A						0.00		0.0					0.00				
054	01	1	41	WHT		4	66		102	72		4	29	N1PS1TB1-4		101	72		NEUTRAL	
054	01	2	A						0.00		0.0					0.00				

Change 2 5-1691







Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0045				
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					GP	FUNCTION	
			FND	KSQ	KY	NOTES	LOCATION	H	LUG	SLV	LENGTH	KY	NOTES	LOCATION	H	LUG	SLV	SC	FUNCTION	
					1	2	MARKING	S	STP	FND		1	2	MARKING	S	STP	FND			
					3	4	5	H		FER		3	4	5	H		FER			
049	13	1	57	RED		4	33			84	AABB	4	28	N1TB21-1B		100	84	3	+28VDC	
049	13	2	G		50		2		0.00		60.0	66				0.00				
045	05	1	31	RED		4			104	75	AABB	4	66	N1TB9-5		105	75		+28VDC	
045	05	2	C						0.00		60.0					0.00				
050	03	1	1	WHT		4	17		107	76				N2P2-A				1	+28VDC	
050	03	2	G		66				0.00		52.0	50				0.00				
045	07	1	35	BLK		4			104	75	AABB	4	66	N1W1-15		138	75		DCRTN	
045	07	2	C						0.00		25.0					0.00				
050	05	1	1	WHT		4	17		107	76				N2P2-C				1	DCRTN	
050	05	2	G		66				0.00		52.0	50				0.00				
046	03	1	51	GRN		4	66		140	73		4		N2E28		140	73		GND	
046	03	2	E						0.00		20.0					0.00				
050	07	1	51	GRN		4	66		140	73			50	N2P2-B				1	GND	
050	07	2	G						0.00		52.0					0.00				
060	03	1	48	GRA		4			101	72		4	66	N1TB6-8B		101	72		1ND LITE	
060	03	2	E						0.00		74.0					0.00				
061	13	1	48	GRA		4	50		101	72				N2P3-C				2	IND LITE	
061	13	2	G						0.00		45.0	66				0.00				
060	05	1	48	GRA		4			101	72		4	66	N1TB6-9B		101	72		1ND LITE	
060	05	2	E						0.00		74.0					0.00				
062	01	1	48	GRA		4	50		101	72			66	N2P3-E				2	IND LITE	
062	01	2	G						0.00		45.0					0.00				

Change 2 5-1694

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0046				
SHT	LN	C	FROM .....										TO .....							
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION						
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV							
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION						
			3 4 5		H		FER	3 4 5		H		FER								
061	07	1	48	GRA				4	N2TB12-3A	101	72	MK	4	34	N10P8-A		72	6	115VAC	
061	07	2	C		50		0.00			261.0	66				A	0.00				
061	01	1	48	GRA				4	N2TB12-3B	101	72		66		N2P3-A			2	115VAC	
061	01	2	G		50		0.00			45.0						0.00				
066	09	1	176	GRA				4	50	N2TB12-3B	141	73		66	N2P3-B			2	115VAC	
066	09	2	G				0.00			45.0						0.00				
061	09	1	48	GRA				4	N2TB12-4A	101	72	MK	4	34	N10P8-B		72	6	115VAC	
061	09	2	C		05	0	0.00			26.1	66				B	0.00				
061	03	1	48	GRA				4	N2TB12-4B	101	72		66		N2P3-D			2	115VAC	
061	03	2	G		50		0.00			45.0						0.00				
066	11	1	176	GRA				4	50	N2TB12-4B	141	73		66	N2P3-F			2	115VAC	
066	11	2	G				0.00			45.0						0.00				
061	11	1	45	GRN				4	50	N2TB12-5A	101	72	MK	4	34	N10P8-C		72	6	GND
061	11	2	C				0.00			261.0	66				C	0.00				
061	05	1	45	GRN				4	N2TB12-5B	101	72		66		N2P3-G			2	GND	
061	05	2	G		50		0.00			45.0						0.00				
062	05	1		BLK				46	N2TB18-5				4	9	N1A5TB1-3	101	72		50/60HZ	
062	05	2	E				0.00			0.0	66					0.00				
062	07	1		WHT				46	N2TB18-6				4	9	N1A5TB1-5	101	72		NEUTRAL	
062	07	2	E				0.00			0.0	66					0.00				
062	03	1		BLK				46	N2TB18-7				4	9	N1A5TB1-1	101	72		400HZ	
062	03	2	E				0.00			0.0	66					0.00				

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0047			
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					GP	FUNCTION
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV	GP	FUNCTION
			KCD	KSQ	3	4	5	MARKING	STP	FND	LENGTH	3	4	5	MARKING	STP	FND	SC	FUNCTION
										FER							FER		
037	07	1		RED		9	65	N3A50-POS		184		NA	4		N3TB13-1		100	84	+28VDC
037	07	2	E		66					0.00	12.0					0.00			
063	07	1	61	WHT		4	7	N3B1TB1-1		184	84		4	66	N3TB4-1B		100	84	NEUTRAL
063	07	2	F							0.00	10.0					0.00			
063	09	1	59	BLK		4	7	N3B1TB1-2		184	84		4	66	N3TB4-2B		100	84	115VAC
063	09	2	F							0.00	11.0					0.00			
063	11	1	59	BLK		4	7	N3B1TB1-3		184	84		4	66	N3TB4-4B		100	84	115VAC
063	11	2	F							0.00	12.0					0.00			
046	11	1	14	BLK		4	66	N3BT1-NEG		112	77		4		N3E24B		113	77	DCRTN
046	11	2	F							0.00	22.5					0.00			
046	09	1	13	WHT		4		N3BT1-POS		112	77		4	66	N3BT2-NEG		112	77	
046	09	2	F							0.00	4.5					0.00			
046	09	1	13	WHT		4	66	N3BT2-NEG		112	77		4		N3BT1-POS		112	77	
046	09	2	F							0.00	4.5					0.00			
046	07	1	12	RED		4		N3BT2-POS		112	77		4	66	N3CB11-1		8	77	+28VDC
046	07	2	F							0.00	29.0					0.00			
046	07	1	12	RED		4	66	N3CB11-1		8	77		4		N3BT2-POS		112	77	+28VDC
046	07	2	F							0.00	29.0					0.00			
046	05	1	12	RED		4		N3CB11-2		8	77		4	66	N3E23B		8	77	+28VDC
046	05	2	F							0.00	12.0					0.00			
047	07	1	44	RED		4	63	N3CB11-6		116	72		4	63	N3CB12-6		116	72	28VRD
047	07	2	F		66					0.00	14.0					0.00			

Change 2 5-1696

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0048		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
047	05	1	44	RED	4	63	N3CB11-6	116	72					72	28VRD			
047	05	2	F					0.00		33.0				0.00				
047	03	1	55	WHT	4	63	N3CB11-7	114	68					68	BB1			
047	03	2	F					0.00		36.0	66			0.00				
046	13	1	12	RED	4		N3CB12-2	8	77					8	77			
046	13	2	F					0.00		20.0				0.00				
047	07	1	44	RED	4	63	N3CB12-6	116	72					72	28VRD			
047	07	2	F					0.00		14.0	66			0.00				
047	01	1	55	WHT	4	63	N3CB12-7	114	68					68	BB2			
047	01	2	F					0.00		43.0	66			0.00				
040	09	1	12	RED	4		N3E23A	113	77					77	+28VDC			
040	09	2	E					0.00		51.0	36 66			0.00				
046	05	1	12	RED	4	66	N3E23B	8	77					8	77			
046	05	2	F					0.00		12.0				0.00				
046	13	1	12	RED	4	66	N3E23B	8	77					8	77			
046	13	2	F					0.00		20.0				0.00				
040	11	1	14	BLK	4		N3E24A	113	77	CA				77	DCRTN			
040	11	2	E					0.00		45.0	4 66			0.00				
046	11	1	14	BLK	4		N3E24B	113	77					77	DCRTN			
046	11	2	F					0.00		22.5	4 66			0.00				
063	13	1	56	BLK		66	N3E26							68	115VAC			
063	13	2	F					0.00		8.0	4			100				

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0049		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
064	01	1	56	BLK				4	N3TB4-4A				100	68	115VAC			
064	01	2	F										0.00					
057	09	1	50	BLK	4	6	N3J38-BRS	72	E	4	66	N1PS30TB1-3	101	72	115VAC			
057	09	2	C					0.00	85.0	29			0.00					
060	07	1	45	GRN		4	N3J38-GRN	116	72	4	66	N1E29	117	72	GND			
060	07	2	C					0.00	68.0				0.00					
058	11	1	49	WHT	4	6	N3J38-S1L	72	CA	4	66	N1PS30TB1-4	101	72	NEUTRAL			
058	11	2	C					0.00	96.0	29			0.00					
057	07	1	50	BLK	4	6	N3J39-BRS	72	E	4	66	N1TB5-1B	101	72	115VAC			
057	07	2	C					0.00	78.0				0.00					
060	11	1	45	GRN		4	N3J39-GRN	116	72	4	66	N1E29	117	72	GND			
060	11	2	C					0.00	39.0				0.00					
058	13	1	49	WHT	4	6	N3J39-S1L	72	E	4	66	N1W3-10	102	72	NEUTRAL			
058	13	2	C					0.00	86.0				0.00					
063	03	1	56	BLK			N3J93-A			4		N3TB4-2A	100	68	115VAC			
063	03	2	F		66		A	0.00	8.0				0.00					
063	05	1	55	WHT			N3J93-B			4		N3TB4-1A	100	68	NEUTRAL			
063	05	2	F		66		B	0.00	7.0				0.00					
058	09	1	56	BLK	4		N3P46-A	68	HF	4	66	N1TB5-9B	100	68	18 115VAC			
058	09	2	C				A	0.00	128.0				0.00					
059	01	1	55	WHT	4	50	N3P46-B	68	HF	4	66	N1W3-11	139	68	18 NEUTRAL			
059	01	2	C				B	0.00	130.0				0.00					

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0050		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
047	09	1																
047	09	2																
047	11	1																
047	11	2																
043	07	1																
043	07	2																
043	13	1																
043	13	2																
039	11	1																
039	11	2																
047	09	1																
047	09	2																
043	11	1																
043	11	2																
047	01	1																
047	01	2																
039	13	1																
039	13	2																
047	11	1																
047	11	2																
043	09	1																
043	09	2																

Change 2 5-1699

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0051		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	CA	1 2			H	LUG	SC					
KCD	KSQ		NOTES	MARKING	S	STP	LENGTH	NOTES	MARKING	S	STP	FND						
			3 4 5		H	FER		3 4 5		H		FER						
047	03	1	55	WHT	4		N3TB10-4B	68			4	63	N3CB11-7	114	68	BB1		
047	03	2	F	66				0.00		36.0				0.00				
040	07	1	44	RED	4	28	N3TB10-5A	101	72	CA	4	28	N1T4TB1-1	133	72	28VRD		
040	07	2	C					0.00		156.0	66			0.00				
047	05	1	44	RED	4	66	N3TB10-5B		72		4	63	N3CB11-6	116	72	28VRD		
047	05	2	F					0.00		33.0				0.00				
037	09	1	44	RED	4		N3TB13-1	101	72		4	66	N1TB7-7	102	72	+28VDC		
037	09	2	C					0.00		116.0				0.00				
037	07	1		RED	4		N3TB13-1	100	84	NA	9	65	N3A50-POS	184		+28VDC		
037	07	2	E					0.00		12.0	66			0.00				
042	09	1	59	BLK	4	66	N3TB13-2	100	84		9	65	A50-NEG	184		DCRTN		
042	09	2	B					0.00		11.0				0.00				
042	10	1	50	BLK	4	66	N3TB13-2	101	72	CA	4		N1W1-24	102	72	DCRTN		
042	10	2	C					0.00		120.0				0.00				
063	05	1	55	WHT	4		N3TB4-1A	100	68				N3J93-B			NEUTRAL		
063	05	2	F					0.00		7.0	66		B	0.00				
063	07	1	61	WHT	4	66	N3TB4-1B	100	84		4	7	N3B1TB1-1	184	84	NEUTRAL		
063	07	2	F					0.00		10.0				0.00				
063	13	1	56	BLK	4		N3TB4-2A	100	68			66	N3E26			115VAC		
063	13	2	F					0.00		8.0				0.00				
063	03	1	56	BLK	4		N3TB4-2A	100	68				N3J93-A			115VAC		
063	03	2	F					0.00		8.0	66		A	0.00				

Change 2 5-1700



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0052		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
063	09	1	59	BLK														
063	09	2	F		4	66		N3TB4-2B				100	84		115VAC			
												0.00		11.0				
064	01	1	56	BLK														
064	01	2	F		4			N3TB4-4A				100	68		115VAC			
												0.00		0.0				
063	11	1	59	BLK														
063	11	2	F		4	66		N3TB4-4B				100	84		115VAC			
												0.00		12.0				
077	10	1	6	WHT														
077	10	2	H		66	67	4	N612P1-A1 12-A1				0.00	75		22.0			
077	12	1	6	WHT														
077	12	2	H		66	67	4	N612P1-A2 12-A2		29		0.00	75		25.0			
077	14	1	6	WHT														
077	14	2	H		66	67	4	N612P1-A3 12-A3				0.00	75		13.0			
078	01	1	6	WHT														
078	01	2	H		67	66	4	N612P1-A4 12-A4				0.00	75		13.5			
078	03	1	6	WHT														
078	03	2	H		67	66	4	N612P1-A5 12-A5				0.00	75		13.0			
078	05	1	6	WHT														
078	05	2	H		67	66	4	N612P1-A6 12-A6				0.00	75		22.0			
078	07	1	6	WHT														
078	07	2	H		67	66	4	N612P1-A7 12-A7				0.00	75		22.0			
078	09	1	6	WHT														
078	09	2	H		67	66	4	N613P1-A1 13-A1				0.00	75		19.0			

Change 2 5-1701

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0053					
			FROM .....										TO .....								
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION							
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV								
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC							
			3 4 5		H		FER		3 4 5		H		FER								
078	11	1	6	WHT					12	4	N613P1-A2										
078	11	2	H		67	66			13	4	13-A2	0.00	75	20.0	29	4	17	N6E31-E10B	105	75	28VRTN
078	13	1	6	WHT					12	4	N613P1-A3										
078	13	2	H		67	66			13	4	13-A3	0.00	75	16.0		4	17	N6E31-E3B	105	75	+5VDC
079	01	1	6	WHT					12	4	N613P1-A4										
079	01	2	H		67	66			13	4	13-A4	0.00	75	16.5		4	17	N6E31-E3B	105	75	+5VDC
079	03	1	6	WHT					12	4	N613P1-A5										
079	03	2	H		67	66			13	4	13-A5	0.00	75	16.0		4	17	N6E31-E3B	105	75	+5VDC
079	05	1	6	WHT					12	4	N613P1-A6										
079	05	2	H		67	66			13	4	13-A6	0.00	75	19.0		4	17	N6E31-E4B	105	75	5VRTN
079	07	1	6	WHT					12	4	N613P1-A7										
079	07	2	H		67	66			13	4	13-A7	0.00	75	17.0	29	4	17	N6E31-E11B	105	75	5VRTN
081	03	1	6	WHT					12	4	N613P2-A3										
081	03	2	H		67	66			P2	4	P2-A3	0.00	75	0.0		4	17	N6E31-E5B	105	75	+5VDC
081	05	1	6	WHT					12	4	N613P2-A4										
081	05	2	H		67	66			P2	4	P2-A4	0.00	75	20.5		4	17	N6E31-E5B	105	75	+5VDC
081	07	1	6	WHT					12	4	N613P2-A5										
081	07	2	H		67	66			P2	4	P2-A5	0.00	75	20.5		4	17	N6E31-E5B	105	75	+5VDC
079	09	1	6	WHT					12	4	N614P1-A1										
079	09	2	H		67	66			14	4	14-A1	0.00	75	21.0		4	17	N6E31-E8B	105	75	+28VDC
079	11	1	6	WHT					12	4	N614P1-A2										
079	11	2	H		67	66			14	4	14-A2	0.00	75	22.0	29	4	17	N6E31-E10B	105	75	28VRTN

Change 2 5-1702

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0054			GP FUNCTION				
	WI FND KCD	CLR KSQ	FROM					S H S H	FIND LUG STP	ROUTE LENGTH	TO					SC FUNCTION					
			KY	NOTES		LOCATION MARKING	KY				NOTES		LOCATION MARKING	S H S H	FIND LUG STP			SLV FND FER			
				1	2						3	4							5		
079 079	13 13	1 2	6 H	WHT		12 67	4 66	N614P1-A3 14-A3			75	18.0		4	17	N6E31-E6B		105 0.00	75	+5VDC	
080 080	01 01	1 2	6 H	WHT		12 67	4 66	N614P1-A4 14-A4			75	24.0		4	17	N6E31-E6B		105 0.00	75	+5VDC	
080 080	03 03	1 2	6 H	WHT		12 67	4 66	N614P1-A5 14-A5			75	24.0		4	17	N6E31-E6B		105 0.00	75	+5VDC	
080 080	05 05	1 2	6 H	WHT		12 67	4 66	N614P1-A6 14-A6			75	20.5	29	4	17	N6E31-E11B		105 0.00	75	5VTRN	
080 080	07 07	1 2	6 H	WHT		12 67	4 66	N614P1-A7 14-A7			75	21.0	29	4	17	N6E31-E11B		105 0.00	75	5VTRN	
068 068	05 05	1 2	J	BLK		4 66	29	N6E31-E10A			115 0.00	84	40.0	40	4	50	N6P5-L L		0.00	84	19 28VTRN
068 068	08 08	1 2	J	BLK		4 29	66	N6E31-E10A			115 0.00	84	40.0	40	4	50	N6P5-M M		0.00	84	19 28VTRN
044 044	09 09	1 2	26 C	BLK		4	29	N6E31-E10B			107 0.00	76	AAJW 286.0		66	N1W1-12		107 0.00	76	DCRTN	
077 077	12 12	1 2	6 H	WHT		4 29	17	N6E31-E10B			105 0.00	75	25.0	66	12 67	4	N612P1-A2 12-A2		0.00	75	28VTRN
078 078	11 11	1 2	6 H	WHT		4 29	17	N6E31-E10B			105 0.00	75	20.0	67	66	4	N613P1-A2 13-A2		0.00	75	28VTRN
079 079	11 11	1 2	6 H	WHT		4 29	17	N6E31-E10B			105 0.00	75	22.0	67	66	4	N614P1-A2 14-A2		0.00	75	28VTRN

Change 2 5-1703

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0055		
			FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
100	03	1	32	GRN														
100	03	2	H		29			105	75									
								0.00		40.0								
072	13	1	1	WHT														
072	13	2	I		17			107	76									
								0.00		114.0	17	66						
079	07	1	6	WHT														
079	07	2	H		29			105	75									
								0.00		17.0	67	66						
080	05	1	6	WHT														
080	05	2	H		29			105	75									
								0.00		20.5	67	66						
080	07	1	6	WHT														
080	07	2	H		29			105	75									
								0.00		21.0	67	66						
077	14	1	6	WHT														
077	14	2	H					105	75									
								0.00		13.0	66	67						
078	01	1	6	WHT														
078	01	2	H					105	75									
								0.00		13.5	67	66						
078	03	1	6	WHT														
078	03	2	H					105	75									
								0.00		13.0	67	66						
072	07	1	1	WHT														
072	07	2	I		17			107	76									
								0.00		100.0	17	66						
078	13	1	6	WHT														
078	13	2	H					105	75									
								0.00		16.0	67	66						
079	01	1	6	WHT														
079	01	2	H					105	75									
								0.00		16.5	67	66						

Change 2 5-1704



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0057			GP FUNCTION	
SHT	LN	C	WI	CLR	FROM			S	FIND		ROUTE	TO			S	FIND		SC	FUNCTION	
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV			
			KCD	KSQ		1 2	MARKING	S	STP	FND	LENGTH		1 2	MARKING	S	STP	FND			
						3 4 5		H		FER			3 4 5		H		FER			
080	01	1	6	WHT		4 17	N6E31-E6B		105	75			12 4	N614P1-A4			75		+5VDC	
080	01	2	H						0.00		24.0	67 66		14-A4		0.00				
080	03	1	6	WHT		4 17	N6E31-E6B		105	75			12 4	N614P1-A5			75		+5VDC	
080	03	2	H						0.00		24.0	67 66		14-A5		0.00				
068	04	1	38	WHT		4 17	N6E31-E8A		115	74			4 67	N6P5-S			84	19	+28VDC	
068	04	2	J		66				0.00		40.0	50 40		S		0.00				
068	07	1	38	WHT		4 17	N6E31-E8A		115	84			4 67	N6P5-T			84	19	+28VDC	
068	07	2	J		66				0.00		40.0	50 40		T		0.00				
044	07	1	23	RED		4	N6E31-E8B		107	76	AAJW		4 66	N1TB9-1		107	76		+28VDC	
044	07	2	C						0.00		295.0					0.00				
077	10	1	6	WHT		4 17	N6E31-E8B		105	75			12 4	N612P1-A1			75		+28VDC	
077	10	2	H						0.00		22.0	66 67		12-A1		0.00				
078	09	1	6	WHT		4 17	N6E31-E8B		105	75			12 4	N613P1-A1			75		+28VDC	
078	09	2	H						0.00		19.0	67 66		13-A1		0.00				
079	09	1	6	WHT		4 17	N6E31-E8B		105	75			12 4	N614P1-A1			75		+28VDC	
079	09	2	H						0.00		21.0	67 66		14-A1		0.00				
040	13	1	39	RED		4 29	N6E31TB1-1A		101	72	AAJYW		4 66	N1TB7-1		102	72		+28VDC	
040	13	2	C						0.00		331.0					0.00				
041	01	1	42	BLK		4 29	N6E31TB1-3A		101	72	AAJYW		4 66	N1W1-18		102	72		DCRTN	
041	01	2	C						0.00		290.0					0.00				
057	11	1	50	BLK		4 29	N6E31TB1-4A		101	72	KZX		4 66	N1TB5-3B		101	72		PHASE A	
057	11	2	C						0.00		311.0					0.00				

Change 2 5-1706

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0058			GP FUNCTION	
			FROM					TO												
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION						
FND			1 2		H	LUG		1 2			H	LUG								
KCD	KSQ		NOTES	MARKING	S	STP	LENGTH	NOTES	MARKING	S	STP	FND	SC	FUNCTION						
			3 4 5		H			3 4 5		H		FER								
057	13	1	44	RED				4	29	N6E31TB1-5A	101	72	KZX	4	66	N1TB5-4B	101	72	PHASE B	
057	13	2	C				0.00						316.6				0.00			
058	01	1	46	BLU				4	29	N6E31TB1-6A	101	72	KZX	4	66	N1TB5-5B	101	72	PHASE C	
058	01	2	C				0.00						310.0				0.00			
068	10	1	38	WHT				4	29	N6E31TB2-9A	100	84		4	50	N6P5-R		84	19	CRBR1A1
068	10	2	J		66		0.00			40.0	40		R				0.00			
081	09	1	38	BLK				4	29	N6E31TB2-9B	100	84		4	66	N6XPS12P1-6		84		CRBR1A-1
081	09	2	H				0.00			7.0			12-6				0.00			
080	09	1	61	WHT				4	29	N6E31TB3-1B	100	84		4	66	N6XPS12P1-3		84		ALARM
080	09	2	H				0.00			11.0			12-3				0.00			
076	03	1	83	WHT				61	4	N6E31TB3-2A	100	68		61	4	N7E32TB3-7A	100	68		ALARM
076	03	2	H		29	66	0.00			50.0	29		7				0.00			
081	01	1	61	WHT				4	29	N6E31TB3-2B	100	84		4	66	N6XPS14P1-4		84		ALARM2
081	01	2	H				0.00			8.5			14-4				0.00			
076	05	1		WHT				66		N6E31TB3-3A	S			4	29	N6E31TB3-4A	100	68		SHIELD
076	05	2	H				0.00			0.0							0.00			
076	04	1		BLK				4	29	N6E31TB3-3A	100	68		4	29	N7E32TB3-9A	100	68		ALARM
076	04	2	H		66		0.00			50.0							0.00			
076	05	1		WHT				4	29	N6E31TB3-4A	100	68		66		N6E31TB3-3A	S			SHIELD
076	05	2	H				0.00			0.0							0.00			
077	06	1	45	GRN				4	29	N6E31TB3-4A	101	72		4		N6E35	117	72		GND
077	06	2	H		66		0.00			48.0							0.00			

Change 2 5-1707

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0059			GP FUNCTION					
	WI FND KCD	CLR KSQ	FROM .....					S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	TO .....						SC FUNCTION				
			KY	NOTES		LOCATION MARKING	KY					NOTES		LOCATION MARKING	S H S H	FIND LUG STP			ROUTE SLV FND FER			
				1	2							3	4							5		
100 100	03 03	1 2	32 H	GRN		4		N6E35		105 0.00	75	40.0		29	4	66	N6E31-E11A		105 0.00	75		GND
077 077	06 06	1 2	45 H	GRN		4		N6E35		117 0.00	72	48.0		66	4	29	N6E31TB3-4A		101 0.00	72		GND
070 070	04 04	1 2	38 J	WHT	50	56 40	4	N6P5--+A +A		0.00	84	120.0		29	16 66	4	N9TB2-13A		100 0.00	84	19	CRBR1A16
070 070	05 05	1 2	J	BLK	50	56 40	4	N6P5--+B +B		0.00	84	120.0		29	16 66	4	N9TB2-14A		100 0.00	84	19	CRBR1B16
067 067	10 10	1 2	38 J	WHT	50	56 40	4	N6P5--+C +C		0.00	84	110.0		66	4	29	N8E33TB2-7A		100 0.00	84	19	CRBR1A10
068 068	01 01	1 2	38 J	WHT	50	56 40	4	N6P5--+D +D		0.00	84	110.0		29	15 66	4	N8TB2-11A		100 0.00	84	19	CRBR1A12
069 069	02 02	1 2	J	BLK	50	56 40	4	N6P5--+H +H		0.00	84	40.0		29	13 66	4	N6TB2-14A		100 0.00	84	19	CRBR1B3
069 069	01 01	1 2	38 J	WHT	50	56 40	4	N6P5--+I +I		0.00	84	40.0		29	13 66	4	N6TB2-13A		100 0.00	84	19	CRBR1A3
068 068	14 14	1 2	J	BLK	50	56 40	4	N6P5--+J +J		0.00	84	40.0		29	13 66	4	N6TB2-12A		100 0.00	84	19	CRBR1B2
068 068	13 13	1 2	38 J	WHT	50	56 40	4	N6P5--+K +K		0.00	84	40.0		29	13 66	4	N6TB2-11A		100 0.00	84	19	CRBR1A2
067 067	04 04	1 2	38 J	WHT	50	56 40	4	N6P5--+M +M		0.00	84	80.0		29	14 66	4	N7TB2-13A		100 0.00	84	19	CRBR1A8

Change 2 5-1708



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE		REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0060						
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO			S	FIND	GP	FUNCTION		
			FND	KCD	KSQ	KY	NOTES	LOCATION	H	LUG	SLV	LENGTH	KY	NOTES	LOCATION	H	LUG	SLV	SC	FUNCTION	
						1	2	MARKING	S	STP	FND		1	2	MARKING	S	STP	FND			
						3	4	5	H		FER		3	4	5	H		FER			
069	05	1		BLK		56	4	N6P5--+N			84		4	66	N7E32TB2-6A			100	84	19	CRBR1B4
069	05	2	J		50	40		+N		0.00		80.0	29					0.00			
069	08	1		BLK		56	4	N6P5--+P			84		4	66	N7E32TB2-8A			100	84	19	CRBR1B5
069	08	2	J		50	40		+P		0.00		80.0	29					0.00			
067	07	1	38	WHT		56	4	N6P5--+S			84		4	29	N8E33TB2-5A			100	84	19	CRBR1A9
067	07	2	J		50	40		+S		0.00		110.0	66					0.00			
067	08	1		BLK		56	4	N6P5--+T			84		4	29	N8E33TB2-6A			100	84	19	CRBR1B9
067	08	2	J		50	40		+T		0.00		110.0	66					0.00			
067	14	1		BLK		56	4	N6P5--+U			84		15	4	N8TB2-10A			100	84	19	CRBR1B11
067	14	2	J		50	40		+U		0.00		110.0	29	66				0.00			
069	11	1		BLK		56	4	N6P5--+V			84		15	4	N8TB2-14A			100	84	19	CRBR1B13
069	11	2	J		50	40		+V		0.00		110.0	29	66				0.00			
067	05	1		BLK		56	4	N6P5--+Z			84		14	4	N7TB2-14A			100	84	19	CRBR1B8
067	05	2	J		50	40		+Z		0.00		80.0	29	66				0.00			
066	13	1	38	WHT		4	50	N6P5-AA			84		4	29	N7E32TB2-9A			100	84	19	CRBR1A6
066	13	2	J		40			AA		0.00		80.0	66					0.00			
067	01	1	38	WHT		4	50	N6P5-BB			84		14	4	N7TB2-11A			100	84	19	CRBR1A7
067	01	2	J		40			BB		0.00		80.0	29	66				0.00			
069	13	1	38	WHT		40	4	N6P5-D			84		4	29	N9E34TB2-9A			100	84	19	CRBR1A14
069	13	2	J					D		0.00		120.0	66					0.00			
067	13	1	38	WHT		4	40	N6P5-DD			84		4	29	N8E33TB2-9A			100	84	19	CRBR1A11
067	13	2	J					DD		0.00		110.0	66					0.00			

Change 2 5-1709

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0061						
SHT	LN	C	FROM .....										TO .....									
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION								
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV	SC	FUNCTION							
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND										
			3 4 5		H		FER	3 4 5		H		FER										
069	14	1		BLK				40	4	N6P5-E												
069	14	2	J							E	0.00	84	120.0	29	66	16	4	N9TB2-10A	100	84	19	CRBR1B14
069	10	1	38	WHT				4	50	N6P5-EE												
069	10	2	J					40		EE	0.00	84	110.0	29	66	15	4	N8TB2-13A	100	84	19	CRBR1A13
066	14	1		BLK				4	50	N6P5-GG												
066	14	2	J					40		GG	0.00	84	80.0	29	66	14	4	N7TB2-10A	100	84	19	CRBR1B6
067	11	1		BLK				4	50	N6P5-H												
067	11	2	J					40		H	0.00	84	110.0	66		4	29	N8E33TB2-8A	100	84	19	CRBR1B10
067	02	1		BLK				4	50	N6P5-HH												
067	02	2	J					40		HH	0.00	84	80.0	29	66	14	4	N7TB2-12A	100	84	19	CRBR1B7
068	02	1		BLK				4	50	N6P5-J												
068	02	2	J					40		J	0.00	84	110.0	29	66	15	4	N8TB2-12A	100	84	19	CRBR1B12
068	05	1		BLK				4	50	N6P5-L												
068	05	2	J					40		L	0.00	84	40.0	66		4	29	N6E31-E10A	115	84	19	28VRTN
068	08	1		BLK				4	50	N6P5-M												
068	08	2	J					40		M	0.00	84	40.0	29		4	66	N6E31-E10A	115	84	19	28VRTN
068	11	1		BLK				4	50	N6P5-P												
068	11	2	J					40		P	0.00	84	40.0	29	66	13	4	N6TB2-10A	100	84	19	CRBR1B1
068	10	1	38	WHT				4	50	N6P5-R												
068	10	2	J					40		R	0.00	84	40.0	66		4	29	N6E31TB2-9A	100	84	19	CRBR1A1
068	04	1	38	WHT				4	67	N6P5-S												
068	04	2	J					50	40	S	0.00	84	40.0	66		4	17	N6E31-E8A	115	74	19	+28VDC

Change 2 5-1710

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0062				
SHT	LN	C	FROM .....										TO .....							
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION						
FND			1	2	H	LUG	SLV	1	2		H	LUG	SLV							
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION						
			3	4	5	H	FER	3	4	5	H	FER								
068	07	1	38	WHT									19	+28VDC						
068	07	2	J		4	67	N6P5-T													
					50	40	T				0.00	84	40.0	66						
069	04	1	38	WHT									19	CRBR1A4						
069	04	2	J		4	50	N6P5-U													
					40		U				0.00	84	80.0	29						
069	07	1	38	WHT									19	CRBR1A5						
069	07	2	J		4	50	N6P5-V													
					40		V				0.00	84	80.0	29						
070	01	1	38	WHT									19	CRBR1A15						
070	01	2	J		4	50	N6P5-Y													
					40		Y				0.00	84	120.0	29						
070	02	1		BLK									19	CRBR1B15						
070	02	2	J		4	50	N6P5-Z													
					40		Z				0.00	84	120.0	29						
068	11	1		BLK									19	CRBR1B1						
068	11	2	J		13	4	N6TB2-10A													
					29	66					0.00	84	40.0	40						
081	10	1		WHT										CRBR1B-1						
081	10	2	H		4	29	N6TB2-10B													
					13						0.00	84	7.0							
068	13	1	38	WHT									19	CRBR1A2						
068	13	2	J		13	4	N6TB2-11A													
					29	66					0.00	84	40.0	50						
081	12	1	38	BLK										CRBR1A-2						
081	12	2	H		4	29	N6TB2-11B													
					13						0.00	84	8.0							
068	14	1		BLK									19	CRBR1B2						
068	14	2	J		13	4	N6TB2-12A													
					29	66					0.00	84	40.0	50						
081	13	1		WHT										CRB1B-2						
081	13	2	H		4	29	N6TB2-12B													
					13						0.00	84	8.0							

Change 2 5-1711

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0063				
SHT	LN	C	FROM .....										TO .....							
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION						
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV							
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC						
			3 4 5		H		FER		3 4 5		H		FER	FUNCTION						
069	01	1	38	WHT																
069	01	2	J																	
082	01	1	38	BLK																
082	01	2	H																	
069	02	1		BLK																
069	02	2	J																	
082	02	1		WHT																
082	02	2	H																	
080	09	1	61	WHT																
080	09	2	H																	
080	11	1	61	WHT																
080	11	2	H																	
081	09	1	38	BLK																
081	09	2	H																	
081	10	1		WHT																
081	10	2	H																	
080	11	1	61	WHT																
080	11	2	H																	
080	13	1	61	WHT																
080	13	2	H																	
081	12	1	38	BLK																
081	12	2	H																	

Change 2 5-1712



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0065		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	LENGTH	1 2			H	LUG	SC					
KCD	KSQ		NOTES	MARKING	S	STP		NOTES	MARKING		S	STP	FND	SC				
			3 4 5		H			3 4 5			H		FER					
082	12	1	2	WHT				4	17	N7E32-E3B								
082	12	2	H		67	66		4	17	N7E32-E3B								
							0.00						105	75				
													0.00	-12VDC				
082	14	1	2	WHT				4	29	N7E32TB3-1B								
082	14	2	H		67	66		4	29	N7E32TB3-1B								
							0.00						141	75				
													0.00	RTN				
083	01	1	2	WHT				4	29	N7E32TB3-1B								
083	01	2	H		67	66		4	29	N7E32TB3-1B								
							0.00						141	75				
													0.00	RTN				
088	03	1	61	WHT				12	4	N715P1-15								
088	03	2	H					12	4	N715P1-15								
							0.00						84	ALARM				
													0.00					
088	05	1	61	WHT				12	4	N717P1-14								
088	05	2	H		66			12	4	N717P1-14								
							0.00						84	ALARM				
													0.00					
083	03	1	2	WHT				4	17	N7E32-E7B								
083	03	2	H		67	66		4	17	N7E32-E7B								
							0.00						105	75				
													0.00	+28VDC				
083	05	1	2	WHT				4	17	N7E32-E9B								
083	05	2	H		67	66		4	17	N7E32-E9B								
							0.00						105	75				
													0.00	28VRTN				
083	07	1	2	WHT				4	17	N7E32-E1B								
083	07	2	H		67	66		4	17	N7E32-E1B								
							0.00						105	75				
													0.00	CHASSIS				
083	09	1	2	WHT				4	17	N7E32-E6B								
083	09	2	H		67	66		4	17	N7E32-E6B								
							0.00						105	75				
													0.00	+12VDC				
083	11	1	2	WHT				4	17	N7E32-E3B								
083	11	2	H		67	66		4	17	N7E32-E3B								
							0.00						105	75				
													0.00	-12VDC				
083	13	1	2	WHT				4	29	N7E32TB3-2B								
083	13	2	H		67	66		4	29	N7E32TB3-2B								
							0.00						141	75				
													0.00	RTN				

Change 2 5-1714

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0066		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	LENGTH	1 2			H	LUG	SC	FUNCTION				
KCD	KSQ		NOTES	MARKING	S	STP		NOTES	MARKING		S	STP	SC	FUNCTION				
			3 4 5		H			3 4 5			H							
084	01	1	2	WHT				4	29	N7E32TB3-2B				RTN				
084	01	2	H		67	66		17			0.00							
088	05	1	61	WHT				12	4	N716P1-15				ALARM				
088	05	2	H					66		16-15	0.00		84					
088	07	1	61	WHT				12	4	N718P1-14				ALARM				
088	07	2	H		66			14.0		18-14	0.00		84					
084	03	1	2	WHT				4	17	N7E32-E8B				+28VDC				
084	03	2	H		67	66		19.0			0.00		75					
084	05	1	2	WHT				4	17	N7E32-E10B				28VRTN				
084	05	2	H		67	66		18.5	29		0.00		75					
084	07	1	2	WHT				4	17	N7E32-E1B				CHASSIS				
084	07	2	H		67	66		20.5			0.00		75					
084	09	1	2	WHT				4	17	N7E32-E11B				+5VDC				
084	09	2	H		67	66		18.0	29		0.00		75					
084	11	1	2	WHT				4	17	N7E32-E5B				-5VDC				
084	11	2	H		67	66		14.0			0.00		75					
084	13	1	2	WHT				4	29	N7E32TB3-6B				RTN				
084	13	2	H		67	66		11.0	17		0.00		75					
085	01	1	2	WHT				4	29	N7E32TB3-3B				RTN				
085	01	2	H		67	66		11.0	17		0.00		75					
088	07	1	61	WHT				12	4	N717P1-15				ALARM				
088	07	2	H					66		17-15	0.00		84					

Change 2 5-1715

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0067							
	WI FND KCD	CLR KSQ	FROM .....					S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	TO .....									
			KY	NOTES		LOCATION	MARKING					KY	NOTES		LOCATION	MARKING					
				1	2								1	2			3	4	5		
3	4	5	3	4	5	S	FIND	GP	FUNCTION												
088 088	09 09	1 2	61 H	WHT		12 66	4	N718P1-15 18-15		84		15.0		4	29	N7E32TB3-8B		100 0.00	84	ALARM2	
085 085	03 03	1 2	2 H	WHT		12 67	4	N718P1-A1 18-A1		75		17.0		4	17	N7E32-E8B		105 0.00	75	+28VDC	
085 085	05 05	1 2	2 H	WHT		12 67	4	N718P1-A2 18-A2		75		19.5	29	4	17	N7E32-E10B		105 0.00	75	28VRTN	
085 085	07 07	1 2	2 H	WHT		12 67	4	N718P1-A3 18-A3		75		27.0		4	17	N7E32-E1B		105 0.00	75	CHASSIS	
085 085	09 09	1 2	2 H	WHT		12 67	4	N718P1-A4 18-A4		75		20.5	29	4	17	N7E32-E11B		105 0.00	75	+5VDC	
085 085	11 11	1 2	2 H	WHT		12 67	4	N718P1-A5 18-A5		75		16.0		4	17	N7E32-E5B		105 0.00	75	-5VDC	
085 085	13 13	1 2	2 H	WHT		12 67	4	N718P1-A6 18-A6		75		14.0	17	4	29	N7E32TB3-4B		141 0.00	75	RTN	
086 086	01 01	1 2	2 H	WHT		12 67	4	N718P1-A7 18-A7		75		13.5	17	4	29	N7E32TB3-3B		141 0.00	75	RTN	
072 072	07 07	1 2	1 I	WHT		4 17	28	N7A23W1-1 66		107 0.00	76		100.0	17	4	28	N6E31-E3A		107 0.00	76	+5VDC
072 072	09 09	1 2	1 I	WHT		4 17	28	N7A23W1-3 66		107 0.00	76		100.0	17	4	28	N6E31-E4A		107 0.00	76	5VRTN
100 100	01 01	1 2	6 I	WHT		4 17		N7A23W1-4 66		105 0.00	75		100.0	17	4	N6E31-E4A		105 0.00	75	5VRTN	

Change 2 5-1716



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0068		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	LENGTH	1 2			H	LUG	SC	FUNCTION				
KCD	KSQ		NOTES	MARKING	S	STP		NOTES	MARKING	S	STP	FND						
			3 4 5		H	FER		3 4 5		H	FER							
101	11	1	6	WHT		4	N7A23W1-4	105	75		4	N7A23W2-3	105	75	5VRTN			
101	11	2	E		17	66		0.00	75	60.0	17		0.00	75				
101	13	1	4	WHT		4	17	N7A23W1-4	117	74		4	17	N7A23W3-8	116	74	5VRTN	
101	13	2	E		66			0.00	74	15.0			0.00	74				
072	11	1	1	WHT		4	28	N7A23W2-1	107	76		4	28	N6E31-E5A	107	76	+5VDC	
072	11	2	I		17	66		0.00	76	144.0	17		0.00	76				
101	11	1	6	WHT		4		N7A23W2-3	105	75		4		N7A23W1-4	105	75	5VRTN	
101	11	2	E		17			0.00	75	60.0	17	66	0.00	75				
102	01	1	4	WHT		4	17	N7A23W2-3	117	74		4	17	N7A23W4-8	116	74	5VRTN	
102	01	2	E		66			0.00	74	15.0			0.00	74				
072	13	1	1	WHT		4	28	N7A23W2-4	107	76		4	29	N6E31-E11A	107	76	5VRTN	
072	13	2	I		17	66		0.00	76	114.0	17		0.00	76				
073	01	1	2	WHT		4	28	N7A23W3-2	141	75		4	28	N7E32-E3A	105	75	-12VDC	
073	01	2	I		17	66		0.00	75	78.0	17		0.00	75				
073	03	1	2	WHT		4	28	N7A23W3-3	141	75		4	28	N7E32-E4A	105	75	-5VDC	
073	03	2	I		17	66		0.00	75	77.0	17		0.00	75				
073	05	1	2	WHT		4	28	N7A23W3-7	141	75		4	28	N7E32-E6A	105	75	+12VDC	
073	05	2	I		17	66		0.00	75	72.0	17		0.00	75				
101	13	1	4	WHT		4	17	N7A23W3-8	116	74		4	17	N7A23W1-4	117	74	5VRTN	
101	13	2	E					0.00	74	15.0	66		0.00	74				
073	07	1	2	WHT		4	28	N7A23W3-8	104	75		4	29	N7E32TB3-3A	141	75	RTN	
073	07	2	I		17	66		0.00	75	78.0	17		0.00	75				

Change 2 5-1717

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0069			GP FUNCTION	
			FROM .....										TO .....							
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION						
FND			1 2		H	LUG	SLV	1 2			H	LUG	SC	FUNCTION						
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND								
			3 4 5		H		FER	3 4 5		H		FER								
073	09	1		4 28			141	4 28				105	17	-5VDC						
073	09	2	I	17 66	N7A23W4-3		0.00	81.0	17	N7E32-E4A		0.00	75							
073	11	1		4 28			141	4 28				105	17	-15VDC						
073	11	2	I	17 66	N7A23W4-4		0.00	144.0	17	N8E33-E5A		0.00	75							
073	13	1		4 28			141	4 29				105	17	+15VDC						
073	13	2	I	17 66	N7A23W4-5		0.00	144.0	17	N8E33-E11A		0.00	75							
102	01	1		4 17			116	4 17				117	66	5VRTN						
102	01	2	E		N7A23W4-8		0.00	15.0	66	N7A23W2-3		0.00	74							
074	01	1		4 28			104	4 29				141	17	RTN						
074	01	2	I	17 66	N7A23W4-8		0.00	77.0	17	N7E32TB3-1A		0.00	75							
044	13	1		4 29			107	4 66				107	66	DCRTN						
044	13	2	C		N7E32-E10B		0.00	AAJW 253.0		N1W1-27		0.00	76							
084	05	1		4 17			105	12 4					67	28VRTN						
084	05	2	H	29 29	N7E32-E10B		0.00	18.5	67	N717P1-A2 17-A2		0.00	75							
085	05	1		4 17			105	12 4					67	28VRTN						
085	05	2	H	29	N7E32-E10B		0.00	19.5	67	N718P1-A2 18-A2		0.00	75							
070	07	1		4 29			117							17 +5VLAMP						
070	07	2	G	17 66	N7E32-E11A		0.00	140.0	50	N7P17-A		0.00								
070	09	1		4 29			117							17 +5VLAMP						
070	09	2	G	17 66	N7E32-E11A		0.00	140.0	50	N7P17-B		0.00								
070	11	1		4 29			117							15 +5VLAHP						
070	11	2	G	17 66	N7E32-E11A		0.00	140.0	50	N8P18-A		0.00								

Change 2 5-1718

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0070			GP FUNCTION	
			FROM					TO												
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION						
FND			1 2		H	LUG	LENGTH	1 2			H	LUG	SC	FUNCTION						
KCD	KSQ		NOTES	MARKING	S	STP		NOTES	MARKING	S	STP	FND								
			3 4 5		H	FER		3 4 5		H	FER									
070	13	1	5	WHT		4 29	N7E32-E11A	117	73				15	+5VLAMP						
070	13	2	G		17	66		0.00	73	140.0	50		0.00							
084	09	1	2	WHT		4 17	N7E32-E11B	105	75		12 4	N717P1-A4		75						
084	09	2	H		29	29		0.00	75	18.0	67 66	17-A4	0.00							
085	09	1	2	WHT		4 17	N7E32-E11B	105	75		12 4	N718P1-A4		75						
085	09	2	H		29			0.00	75	20.5	67 66	18-A4	0.00							
072	03	1	32	GRN		4 66	N7E32-E1A	105	75		4	N7E36	105	75						
072	03	2	E					0.00	75	40.0			0.00							
082	08	1	2	WHT		4 17	N7E32-E1B	105	75		12 4	N715P1-A3		75						
082	08	2	H					0.00	75	20.5	67 66	15-A3	0.00							
083	07	1	2	WHT		4 17	N7E32-E1B	105	75		12 4	N716P1-A3		75						
083	07	2	H					0.00	75	17.5	67 66	16-A3	0.00							
084	07	1	2	WHT		4 17	N7E32-E1B	105	75		12 4	N717P1-A3		75						
084	07	2	H					0.00	75	20.5	67 66	17-A3	0.00							
085	07	1	2	WHT		4 17	N7E32-E1B	105	75		12 4	N718P1-A3		75						
085	07	2	H					0.00	75	27.0	67 66	18-A3	0.00							
073	01	1	2	WHT		4 28	N7E32-E3A	105	75		4 28	N7A23W3-2	141	75						
073	01	2	I		17			0.00	75	78.0	17 66		0.00							
082	12	1	2	WHT		4 17	N7E32-E3B	105	75		12 4	N715P1-A5		75						
082	12	2	H					0.00	75	23.0	67 66	15-A5	0.00							
083	11	1	2	WHT		4 17	N7E32-E3B	105	75		12 4	N716P1-A5		75						
083	11	2	H					0.00	75	17.5	67 66	16-A5	0.00							

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043					PAGE 0071				
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					S	FIND	GP	FUNCTION	
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV	GP	FUNCTION			
			KCD	KSQ	3	4	5	MARKING	STP	FND	LENGTH	3	4	5	MARKING	STP	FND	SC	FUNCTION			
										FER							FER					
073	03	1		WHT	4	28	N7E32-E4A		105	75		4	28	N7A23W3-3		141	75		-5VDC			
073	03	2	I		17				0.00		77.0	17	66			0.00						
073	09	1		WHT	4	28	N7E32-E4A		105	75		4	28	N7A23W4-3		141	75		-5VDC			
073	09	2	I		17				0.00		81.0	17	66			0.00						
066	12	1		WHT	4		N7E32-E4A		119	75		4	29	N9A56W2-3		141	75		-5VDC			
066	12	2	I		17				0.00		136.0	17				0.00						
074	13	1		WHT	4	28	N7E32-E5A		105	75		4	28	N8A25W3-3		141	75		-5VDC			
074	13	2	I		17				0.00		144.0	17	66			0.00						
075	09	1		WHT	4	28	N7E32-E5A		105	75		4	28	N8A25W4-3		141	75		-5VDC			
075	09	2	I		17				0.00		144.0	17	66			0.00						
084	11	1		WHT	4	17	N7E32-E5B		105	75		12	4	N717P1-A5			75		-5VDC			
084	11	2	H						0.00		14.0	67	66	17-A5		0.00						
085	11	1		WHT	4	17	N7E32-E5B		105	75		12	4	N718P1-A5			75		-5VDC			
085	11	2	H						0.00		16.0	67	66	18-A5		0.00						
073	05	1		WHT	4	28	N7E32-E6A		105	75		4	28	N7A23W3-7		141	75		+12VDC			
073	05	2	I		17				0.00		72.0	17	66			0.00						
082	10	1		WHT	4	17	N7E32-E6B		105	75		12	4	N715P1-A4			75		+12VDC			
082	10	2	H						0.00		24.0	67	66	15-A4		0.00						
083	09	1		WHT	4	17	N7E32-E6B		105	75		12	4	N716P1-A4			75		+12VDC			
083	09	2	H						0.00		19.0	67	66	16-A4		0.00						
082	04	1		WHT	4	17	N7E32-E7B		105	75		12	4	N715P1-A1			75		+28VDC			
082	04	2	H						0.00		27.0	67	66	15-A1		0.00						

Change 2 5-1720

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0072		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
083	03	1	2	WHT	4	17	N7E32-E7B	105	75					75	+28VDC			
083	03	2	H					0.00										
								20.5	67	66								
044	11	1	23	RED	4		N7E32-E8B	107	76	AAJW				107	+28VDC			
044	11	2	C					0.00		266.0				0.00				
084	03	1	2	WHT	4	17	N7E32-E8B	105	75					75	+28VDC			
084	03	2	H					0.00		19.0	67	66		0.00				
085	03	1	2	WHT	4	17	N7E32-E8B	105	75					75	+28VDC			
085	03	2	H					0.00		17.0	67	66		0.00				
082	06	1	2	WHT	4	17	N7E32-E9B	105	75					75	28VRTN			
082	06	2	H					0.00		28.5	67	66		0.00				
083	05	1	2	WHT	4	17	N7E32-E9B	105	75					75	28VRTN			
083	05	2	H					0.00		22.0	67	66		0.00				
086	06	1	38	BLK	4	29	N7E32TB1-1A	100	84					84	CRBR2A			
086	06	2	H					0.00		23.5				0.00				
086	12	1	38	BLK	4	29	N7E32TB1-1A	100	84					84	CRBR2A			
086	12	2	H					0.00		23.5				0.00				
087	13	1	38	BLK	4	29	N7E32TB1-1B	100	84					84	CRBR1A-8			
087	13	2	H		66			0.00		14.0	29			0.00				
087	04	1	38	BLK	4	29	N7E32TB1-2A	100	84					84	CRBR2A			
087	04	2	H					0.00		32.0				0.00				
087	10	1	38	BLK	4	29	N7E32TB1-2A	100	84					84	CRBR2A			
087	10	2	H					0.00		32.0				0.00				

Change 2 5-1721

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0073				
SHT	LN	C	WI	CLR	FROM					ROUTE	TO					GP	FUNCTION			
			FND	KSQ	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION			
			KCD			1	2	H	LUG	SLV		1	2	H	LUG	SLV				
						NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC	FUNCTION		
						3	4	5	H	FER		3	4	5	H	FER				
086	07	1		WHT		4	29	N7E32TB1-4A	100	84		4	66			84		CRBR2B		
086	07	2	H						0.00		22.0		15-5			0.00				
086	13	1		WHT		4	29	N7E32TB1-4A	100	84		4	66			84		CRBR2B		
086	13	2	H						0.00		22.0		16-5			0.00				
087	14	1		WHT		4	29	N7E32TB1-4B	100	84		14	4			84		CRBR1B-8		
087	14	2	H		66				0.00		13.0	29				0.00				
087	05	1		WHT		4	29	N7E32TB1-5A	100	84		4	66			84		CRBR2B		
087	05	2	H						0.00		30.5		17-5			0.00				
087	11	1		WHT		4	29	N7E32TB1-5A	100	84		4	66			84		CRBR2B1		
087	11	2	H						0.00		30.5		18-5			0.00				
087	02	1		WHT		4	29	N7E32TB2-10	100	84		4	66			84		CRBR1B-6		
087	02	2	H		14				0.00		20.0		17-2			0.00				
058	03	1	50	BLK		4	29	N7E32TB2-1B	101	72	KZV	4	66			72		PHASE A		
058	03	2	C						0.00		297.0		N1TB5-6B			0.00				
058	05	1	44	RED		4	29	N7E32TB2-2B	101	72	KZV	4	66			72		PHASE B		
058	05	2	C		50				0.00		300.0		N1TB5-7B			0.00				
058	07	1	46	BLU		4	29	N7E32TB2-3B	101	72	KZV	4	66			72		PHASE C		
058	07	2	C						0.00		300.0		N1TBS-8B			0.00				
069	04	1	38	WHT		4	66	N7E32TB2-5A	100	84		4	50			84	19	CRBR1A4		
069	04	2	J		29				0.00		80.0	40				0.00				
086	03	1	38	BLK		4	29	N7E32TB2-5B	100	84		4	66			84		CRBR1A-4		
086	03	2	H						0.00		11.0		15-1			0.00				

Change 2 5-1722

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0074			GP FUNCTION		
	WI FND KCD	CLR KSQ	FROM					S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	TO						SC FUNCTION	
			KY	NOTES		LOCATION MARKING	KY					NOTES		LOCATION MARKING	S H	FIND LUG STP			SLV FND FER
				1	2							3	4						
069 069	05 05	1 2		BLK J		4 29	66	N7E32TB2-6A		100 0.00	84	80.0	56 50	4 40	N6P5--+N +N		84 0.00	19	CRBR1B4
086 086	04 04	1 2		WHT H		4	29	N7E32TB2-6B		100 0.00	84	11.0	4	66	N7XPS15P1-2 15-2		84 0.00		CRBR1B-4
069 069	07 07	1 2	38 J	WHT		4 29	66	N7E32TB2-7A		100 0.00	84	80.0	4 40	50	N6P5-V V		84 0.00	19	CRBR1A5
086 086	09 09	1 2	38 H	BLK		4	29	N7E32TB2-7B		100 0.00	84	11.0	4	66	N7XPS16P1-1 16-1		84 0.00		CRBR1A-5
069 069	08 08	1 2		BLK J		4 29	66	N7E32TB2-8A		100 0.00	84	80.0	56 50	4 40	N6P5--+P +P		84 0.00	19	CRBR1B5
086 086	10 10	1 2		WHT H		4	29	N7E32TB2-8B		100 0.00	84	11.0	4	66	N7XPS16P1-2 16-2		84 0.00		CRBR1B-5
066 066	13 13	1 2	38 J	WHT		4 66	29	N7E32TB2-9A		100 0.00	84	80.0	4 40	50	N6P5-AA AA		84 0.00	19	CRBR1A6
087 087	01 01	1 2	38 H	BLK		4	29	N7E32TB2-9B		100 0.00	84	20.0	4	66	N7XPS17P1-1 17-1		84 0.00		CRBR1A-6
074 074	01 01	1 2	2 I	WHT		4 17	29	N7E32TB3-1A		141 0.00	75	77.0	4 17	28 66	N7A23W4-8		104 0.00	75	RTN
082 082	14 14	1 2	2 H	WHT		4 17	29	N7E32TB3-1B		141 0.00	75	17.5	67	66	N715P1-A6 15-A6		75 0.00		RTN
083 083	01 01	1 2	2 H	WHT		4 17	29	N7E32TB3-1B		141 0.00	75	17.5	67	66	N715P1-A7 15-A7		75 0.00		RTN

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0075			GP FUNCTION			
	WI FND KCD	CLR KSQ	FROM					S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	TO						SC FUNCTION		
			KY	NOTES		LOCATION MARKING	KY					NOTES		LOCATION MARKING	S H S H	FIND LUG STP			SLV FND FER	
				1	2							3	4							5
083 083	13 13	1 2	2 H	WHT		4 23	29 17	N7E32TB3-2B		141 0.00	75	15.5		12 67	4 66	N716P1-A6 16-A6		75 0.00	RTN	
084 084	01 01	1 2	2 H	WHT		4 17	29	N7E32TB3-2B		141 0.00	75	15.5		12 67	4 66	N716P1-A7 16-A7		75 0.00	RTN	
073 073	07 07	1 2	2 I	WHT		4 17	29	N7E32TB3-3A		141 0.00	75	78.0		4 17	28 66	N7A23W3-8		104 0.00	75	RTN
085 085	01 01	1 2	2 H	WHT		4 17	29	N7E32TB3-3B		141 0.00	75	11.0		12 67	4 66	N717P1-A7 17-A7		75 0.00	RTN	
086 086	001 01	1 2	2 H	WHT		4 17	29	N7E32TB3-3B		141 0.00	75	13.5		12 67	4 66	N718P1-A7 18-A7		75 0.00	RTN	
071 071	01 01	1 2	5 G	WHT		4 17	29 66	N7E32TB3-4A		101 0.00	73	140.0			67	N7P17-C		0.00	17	RTN
071 071	03 03	1 2	5 G	WHT		4 17	29 66	N7E32TB3-4A		101 0.00	73	140.0				N7P17-D		0.00	17	RTN
085 085	13 13	1 2	2 H	WHT		4 17	29	N7E32TB3-4B		141 0.00	75	14.0		12 67	4 66	N718P1-A6 18-A6		75 0.00	RTN	
071 071	05 05	1 2	5 G	WHT		4 17	29 66	N7E32TB3-5A		101 0.00	73	140.0			67	N8P18-C		0.00	15	RTN
071 071	07 07	1 2	5 G	WHT		4 17	29 66	N7E32TB3-5A		101 0.00	73	140.0				N8P18-D		0.00	15	RTN
088 088	11 11	1 2	2 H	WHT		4 66	17 29	N7E32TB3-6A		141 0.00	75	48.0		4	17	N7E36		105 0.00	75	GND

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0076		
			WI FND KCD	CLR KSQL	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H LUG SLV S STP FND H FER	ROUTE LENGTH	KY	NOTES 1 2 3 4 5	LOCATION MARKING	TO . S H LUG SLV S STP FND H FER	GP SC	FUNCTION			
084	13	1	2	WHT		4 29	N7E32TB3-6B		141	75		12 4	N717P1-A6		75	RTN		
084	13	2	H		17				0.00		11.0	67 66	17-A6	0.00				
076	03	1	83	WHT		61 4	N7E32TB3-7A		100	68		61 4	N6E31TB3-2A	100	68	ALARM		
076	03	2	H		29				0.00	7	50.0	29 66		0.00	7			
088	01	1	61	WHT		4 29	N7E32TB3-7B		100	84		12 4	N715P1-14		84	ALARM1		
088	01	2	H						0.00		18.5	66	15-14	0.00				
076	08	1	83	WHT		61 4	N7E32TB3-8A		100	68		61 4	N8E33TB3-7A	100	68	ALARM		
076	08	2	H		29 66				0.00	7	50.0	29		0.00	7			
088	09	1	61	WHT		4 29	N7E32TB3-8B		100	84		12 4	N718P1-15		84	ALARM2		
088	09	2	H						0.00		15.0	66	18-15	0.00				
076	04	1		BLK		4 29	N7E32TB3-9A		100	68		4 29	N6E31TB3-3A	100	68	ALARM		
076	04	2	H						0.00		50.0	66		0.00				
076	06	1		WHT		66	N7E32TB3-9A	S				14 4	N7TB3-10A	100	68	SHIELD		
076	06	2	H						0.00		0.0	29		0.00				
076	10	1		WHT		66	N7E32TB3-9A	S				14 4	N7TB3-10A	100	68	SHIELD		
076	10	2	H						0.00		0.0	29		0.00				
076	09	1		BLK		4 29	N7E32TB3-9A		100	68		4 29	N8E33TB3-9A	100	68	ALARM		
076	09	2	H		66				0.00		50.0			0.00				
072	03	1	32	GRN		4	N7E36		105	75		4 66	N7E32-E1A	105	75	GND		
072	03	2	E						0.00		40.0			0.00				
088	11	1	2	WHT		4 17	N7E36		105	75		4 17	N7E32TB3-6A	141	75	GND		
088	11	2	H						0.00		48.0	66 29		0.00				

Change 2 5-1725



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0078							
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO .			GP	FUNCTION
						1	2	3		S	FIND	LENGTH			1	2	3		H	LUG	SLV		
			FND	KSQ		3	4	5	MARKING	S	STP	FND			3	4	5	MARKING	S	STP	FND		
			KCD							H		FER							H		FER		
087	08	1		WHT		14	4		N7TB2-12B		100	84			4	66		N7XPS18P1-2					
087	08	2	H		29					0.00		18.5						18-2		0.00		84	CRBR1B-7
067	04	1	38	WHT		14	4		N7TB2-13A		100	84		56	4		N6P5-+M					84	19 CRBR1A8
067	04	2	J		29	66				0.00		80.0	50	40			+M			0.00			
087	13	1	38	BLK		14	4		N7TB2-13B		100	84		4	29		N7E32TB1-1B			100		84	CRBR1A-8
087	13	2	H		29					0.00		14.0	66							0.00			
067	05	1		BLK		14	4		N7TB2-14A		100	84		56	4		N6P5-+Z					84	19 CRBR1B8
067	05	2	J		29	66				0.00		80.0	50	40			+Z			0.00			
087	14	1		WHT		14	4		N7TB2-14B		100	84		4	29		N7E32TB1-4B			100		84	CRBR1B-8
087	14	2	H		29					0.00		13.0	66							0.00			
076	06	1		WHT		14	4		N7TB3-10A		100	68		66			N7E32TB3-9A	S					SHIELD
076	06	2	H		29					0.00		0.0							0.00				
076	10	1		WHT		14	4		N7TB3-10A		100	68		66			N7E32TB3-9A	S					SHIELD
076	10	2	H		29					0.00		0.0							0.00				
101	07	1	45	GRN		14	4		N7TB3-10A		101	72		4			N7E36			117		72	GND
101	07	2	H		29					0.00		48.0	66							0.00			
071	09	1	5	WHT		14	4		N7TB3-13A		101	73		4	67		N7P53-A					73	21 +28VDC
071	09	2	G		29	17	66			0.00		140.0	50	43			A			0.00			
041	03	1	39	RED		4	29		N7TB3-13B		101	72	AAJU		4	66	N1TB7-2			102		72	+28VDC
041	03	2	C		14					0.00		290.0								0.00			
071	11	1	5	WHT		14	4		N7TB3-14A		101	73		4	67		N7P53-B					73	21 28VRTN
071	11	2	G		29	17	66			0.00		140.0	50	43			B			0.00			

Change 2 5-1727

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0079						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2	3		S	FIND	S			STP	FND		1	2	S		
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	H	LUG	SLV					
041 041	05 05	1 2	42 C	BLK		4 14	29	N7TB3-14B		101 0.00	72	AAJU 253.0	4	66	N1W1-19		102 0.00	72	DCRTN	
086 086	03 03	1 2	38 H	BLK		4	66	N7XPS15P1-1 15-1		0.00	84	11.0	4	29	N7E32TB2-5B		100 0.00	84	CRBR1A-4	
086 086	04 04	1 2		WHT		4	66	N7XPS15P1-2 15-2		0.00	84	11.0	4	29	N7E32TB2-6B		100 0.00	84	CRBR1B-4	
086 086	06 06	1 2	38 H	BLK		4	66	N7XPS15P1-4 15-4		0.00	84	23.5	4	29	N7E32TB1-1A		100 0.00	84	CRBR2A	
086 086	07 07	1 2		WHT		4	66	N7XPS15P1-5 15-5		0.00	84	22.0	4	29	N7E32TB1-4A		100 0.00	84	CRBR2B	
086 086	09 09	1 2	38 H	BLK		4	66	N7XPS16P1-1 16-1		0.00	84	11.0	4	29	N7E32TB2-7B		100 0.00	84	CRBR1A-5	
086 086	10 10	1 2		WHT		4	66	N7XPS16P1-2 16-2		0.00	84	11.0	4	29	N7E32TB2-8B		100 0.00	84	CRBR1B-5	
086 086	12 12	1 2	38 H	BLK		4	66	N7XPS16P1-4 16-4		0.00	84	23.5	4	29	N7E32TB1-1A		100 0.00	84	CRBR2A	
086 086	13 13	1 2		WHT		4	66	N7XPS16P1-5 16-5		0.00	84	22.0	4	29	N7E32TB1-4A		100 0.00	84	CRBR2B	
087 087	01 01	1 2	38 H	BLK		4	66	N7XPS17P1-1 17-1		0.00	84	20.0	4	29	N7E32TB2-9B		100 0.00	84	CRBR1A-6	
087 087	02 02	1 2		WHT		4	66	N7XPS17P1-2 17-2		0.00	84	20.0	14	29	N7E32TB2-10		100 0.00	84	CRBR1B-6	

Change 2 5-1728

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0080			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	TO .		S H S H	FIND		GP SC	FUNCTION
				1	2		S	FIND	1		2	H		LUG	SLV		
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	3	4	5		
						H		FER				H		FER			
087 087	04 04	1 2	38 H	BLK		4 66	N7XPS17P1-4 17-4			84	32.0		4 29	N7E32TB1-2A	100 0.00	84	CRBR2A
087 087	05 05	1 2		WHT		4 66	N7XPS17P1-5 17-5			84	30.5		4 29	N7E32TB1-5A	100 0.00	84	CRBR2B
087 087	07 07	1 2	38 H	BLK		4 66	N7XPS18P1-1 18-1			84	18.5	29	14 4	NTTB2-11B	100 0.00	84	CRBR1A-7
087 087	08 08	1 2		WHT		4 66	N7XPS18P1-2 18-2			84	18.5	29	14 4	N7TB2-12B	100 0.00	84	CRBR1B-7
087 087	10 10	1 2	38 H	BLK		4 66	N7XPS18P1-4 18-4			84	32.0		4 29	N7E32TB1-2A	100 0.00	84	CRBR2A
087 087	11 11	1 2		WHT		4 66	N7XPS18P1-5 18-5			84	30.5		4 29	N7E32TB1-5A	100 0.00	84	CRBR2B
093 093	13 13	1 2	61 H	WHT		12 4 66	N819P1-14 19-14			84	18.5		4 29	N8E33TB3-7B	100 0.00	84	ALARM 1
094 094	01 01	1 2	61 H	WHT		12 4 66	N819P1-15 19-15			84	9.0		12 4	N820P1-14 20-14	0.00	84	ALARM
088 088	13 13	1 2	2 H	WHT		12 4 67 66	N819P1-A1 19-A1			75	26.0		4 17	N8E33-E7B	105 0.00	75	+28VDC
089 089	01 01	1 2	2 H	WHT		12 4 67 66	N819P1-A2 19-A2			75	28.0		4 17	N8E33-E9B	105 0.00	75	28VRTN
089 089	03 03	1 2	2 H	WHT		12 4 67 66	N819P1-A3 19-A3			75	19.5		4 17	N8E33-E1B	105 0.00	75	CHASSIS

Change 2 5-1729

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0081			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	TO .		S H S H	FIND		GP SC	FUNCTION
				1	2		S	FIND	1		2	H		LUG	SLV		
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	SC	FUNCTION			
						H		FER									
089 05 1	2	WHT		12	4	N819P1-A4			75		4	17	N8E33-E6B	105	75	+12VDC	
089 05 2	H		67	66		19-A4	0.00		25.5					0.00			
089 07 1	2	WHT		12	4	N819P1-A5			75		4	17	N8E33-E4B	105	75	-12VDC	
089 07 2	H		67	66		19-A5	0.00		24.5					0.00			
089 09 1	2	WHT		12	4	N819P1-A6			75		4	29	N8E33TB3-1B	141	75	RTN	
089 09 2	H		67	66		19-A6	0.00		18.0	17				0.00			
089 11 1	2	WHT		12	4	N819P1-A7			75		4	29	N8E33TB3-1B	141	75	RTN	
089 11 2	H		67	66		19-A7	0.00		19.0	17				0.00			
094 01 1	61	WHT		12	4	N820P1-14			84		12	4	N819P1-15		84	ALARM	
094 01 2	H					20-14	0.00		9.0	66			19-15	0.00			
094 03 1	61	WHT		12	4	N820P1-15			84		12	4	N821P1-14		84	ALARM	
094 03 2	H		66			20-15	0.00		9.0				21-14	0.00			
090 13 1	2	WHT		12	4	N820P1-A1			75		4	17	N8E33-E7B	105	75	+28VDC	
090 13 2	H		67	66		20-A1	0.00		20.5					0.00			
091 01 1	2	WHT		12	4	N820P1-A2			75		4	17	N8E33-E9B	105	75	28VRTN	
091 01 2	H		67	66		20-A2	0.00		23.0					0.00			
091 03 1	2	WHT		12	4	N820P1-A3			75		4	17	N8E33-E1B	105	75	CHASSIS	
091 03 2	H		67	66		20-A3	0.00		17.5					0.00			
091 05 1	2	WHT		12	4	N820P1-A4			75		4	17	N8E33-E6B	105	75	+15VDC	
091 05 2	H		67	66		20-A4	0.00		21.0					0.00			
091 07 1	2	WHT		12	4	N820P1-A5			75		4	17	N8E33-E4B	105	75	-15VDC	
091 07 2	H		67	66		20-A5	0.00		19.0					0.00			

Change 2 5-1730

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0082							
SHT	LN	C	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES			LOCATION MARKING	TO .			GP	FUNCTION
						1	2	3		S	FIND	SLV			1	2	3		4	5	S		
091	09	1	2	WHT		12	4	N820P1-A6			75			4	29	N8E33TB3-2B			141	75	RTN		
091	09	2	H		67	66		20-A6	0.00		16.0	17						0.00					
091	11	1	2	WHT		12	4	N820P1-A7			75			4	29	N8E33TB3-2B			141	75	RTN		
091	11	2	H		67	66		20-A7	0.00		16.5	17						0.00					
094	03	1	61	WHT		12	4	N821P1-14			84			12	4	N820P1-15				84	ALARM		
094	03	2	H					21-14	0.00		9.0	66				20-15			0.00				
095	04	1	61	WHT		12	4	N821P1-15			84			12	4	N822P1-14				84	ALARM		
095	04	2	H		66			21-15	0.00		9.0					22-14			0.00				
091	13	1	2	WHT		12	4	N821P1-A1			75			4	17	N8E33-E8B			105	75	+28VDC		
091	13	2	H		67	66		21-A1	0.00		15.0							0.00					
092	01	1	2	WHT		12	4	N821P1-A2			75			4	17	N8E33-E10B			105	75	28VRTN		
092	01	2	H		67	66		21-A2	0.00		19.5	29						0.00					
092	03	1	2	WHT		12	4	N821P1-A3			75			4	17	N8E33-E1B			105	75	CHASSIS		
092	03	2	H		67	66		21-A3	0.00		20.5							0.00					
092	05	1	2	WHT		12	4	N821P1-A4			75			4	17	N8E33-E11B			105	75	+12VDC		
092	05	2	H		67	66		21-A4	0.00		18.5	29						0.00					
092	07	1	2	WHT		12	4	N821P1-A5			75			4	17	N8E33-E5B			105	75	-12VDC		
092	07	2	H		67	66		21-A5	0.00		16.5							0.00					
092	09	1	2	WHT		12	4	N821P1-A6			75			4	29	N8E33TB3-6B			141	75	RTN		
092	09	2	H		67	66		21-A6	0.00		16.5	17						0.00					
092	11	1	2	WHT		12	4	N821P1-A7			75			4	29	N8E33TB3-3B			141	75	RTN		
092	11	2	H		67	66		21-A7	0.00		15.0	17						0.00					

Change 2 5-1731

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0083					
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION	
				1	2		S	FIND	1		2	S		FIND	S	FIND			SLV
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	S	STP	FND	FER			
3	4	5	H	STP	FER	3	4	5	H	STP	FER	H	STP	FER					
095 04 1	61	WHT		12	4	N822P1-14				84		12	4	N821P1-15				84	ALARM
095 04 2	H					22-14		0.00		9.0	66			21-15		0.00			
095 06 1	61	WHT		12	4	N822P1-15				84		4	29	N8E33TB3-8B		100		84	ALARM2
095 06 2	H		66			22-15		0.00		15.0					0.00				
089 13 1	2	WHT		12	4	N822P1-A1				75		4	17	N8E33-E8B		105		75	+28VDCH
089 13 2	H		67	66		22-A1		0.00		19.5					0.00				
090 01 1	2	WHT		12	4	N822P1-A2				75		4	17	N8E33-E10B		105		75	28VRTN
090 01 2	H		67	66		22-A2		0.00		20.5					0.00				
090 03 1	2	WHT		12	4	N822P1-A3				75		4	17	N8E33-E1B		105		75	CHASSIS
090 03 2	H		67	66		22-A3		0.00		25.5					0.00				
090 05 1	2	WHT		12	4	N822P1-A4				75		4	17	N8E33-E11B		105		75	+15VDC
090 05 2	H		67	66		22-A4		0.00		23.0	29				0.00				
090 07 1	2	WHT		12	4	N822P1-A5				75		4	17	N8E33-E5B		105		75	-15VDC
090 07 2	H		67	66		22-A5		0.00		15.5					0.00				
090 09 1	2	WHT		12	4	N822P1-A6				75		4	29	N8E33TB3-4B		141		75	RTN
090 09 2	H		67	66		22-A6		0.00		16.0	17				0.00				
090 11 1	2	WHT		12	4	N822P1-A7				75		4	29	N8E33TB3-3B		141		75	RTN
090 11 2	H		67	66		22-A7		0.00		14.5	17				0.00				
074 03 1	1	WHT		4	28	N8A25W1-1			107	76		4	28	N9E34-E3A		107		76	+5VDC
074 03 2	I		17	66				0.00		100.0	17				0.00				
074 05 1	1	WHT		4	28	N8A25W1-3			107	76		4	28	N9E34-E4A		107		76	5VRTN
074 05 2	I		17	66				0.00		100.0	17				0.00				

Change 2 5-1732



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-XXXXXX			PAGE 0084								
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO .			GP	FUNCTION	
						1	2			S	FIND				1	2			S	FIND				H
			FND	KSQ		3	4	5	MARKING	H	STP	FER	LENGTH		3	4	5	MARKING	H	STP	FND	FER		
102	03	1	6	WHT		4			N8A25W1-4		105	75			4			N8A25W2-3		105	75		5VRTN	
102	03	2	E		17	66					0.00		32.0	17						0.00				
102	05	1	4	WHT		4	17		N8A25W1-4		117	74			4	17		N8A25W3-8		116	74		5VRTN	
102	05	2	E		66						0.00		30.0							0.00				
100	05	1	6	WHT		4			N8A25W1-4		105	75			4			N9E34-E4A		105	75		5VRTN	
100	05	2	I		17	66					0.00		125.0	17						0.00				
074	07	1	1	WHT		4	28		N8A25W2-1		107	76			4	28		N9E34-E5A		107	76		+5VDC	
074	07	2	I		17	66					0.00		125.0	17						0.00				
102	03	1	6	WHT		4			N8A25W2-3		105	75			4			N8A25W1-4		105	75		5VRTN	
102	03	2	E		17						0.00		32.0	17	66					0.00				
102	07	1	4	WHT		4	17		N8A25W2-3		117	74			4	17		N8A25W4-8		116	74		5VRTN	
102	07	2	E		66						0.00		34.0							0.00				
074	09	1	1	WHT		4	28		N8A25W2-4		107	76			4	28		N9E34-E11A		107	76		5VRTN	
074	09	2	I		17	66					0.00		125.0	17						0.00				
074	11	1	2	WHT					N8A25W3-2		141	75			4	28		N8E33-E4A		105	75		-12VDC	
074	11	2	I		17	66					0.00		72.0	17						0.00				
074	13	1	2	WHT		4	28		N8A25W3-3		141	75			4	28		N7E32-E5A		105	75		-5VDC	
074	13	2	I		17	66					0.00		144.0	17						0.00				
075	01	1	2	WHT		4	28		N8A25W3-4		141	75			4	28		N8E33-E5A		105	75		-15VDC	
075	01	2	I		17	66					0.00		72.0	17						0.00				
075	03	1	2	WHT		4	28		N8A25W3-7		141	75			4	28		N8E33-E6A		105	75		+12VDC	
075	03	2	I		17	66					0.00		72.0	17						0.00				

Change 2 5-1733

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST											DWG NO. SM-B-817043			PAGE 0085					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2	3		S	FIND	H			LUG	SLV		1	2	S		
	3	4	5	S	STP	FND	H	FER	3	4	5	S	STP	FND	H	FER				
102 102	05 05	1 2	4 E	WHT		4 17	N8A25W3-8		116 0.00	74		30.0	66	4 17	N8A25W1-4		117 0.00	74	5VRTN	
075 075	05 05	1 2	2 I	WHT		4 28 17 66	N8A25W3-8		104 0.00	75		72.0	17	4 28	N8E33TB3-4A		141 0.00	75	RTN	
075 075	07 07	1 2	2 I	WHT		4 28 17 66	N8A25W4-2		141 0.00	75		720 0.0	17	4 28	N8E33-E4A		105 0.00	75-	12VDC	
075 075	09 09	1 2	2 I	WHT		4 28 17 66	N8A25W4-3		141 0.00	75		144.0	17	4 28	N7E32-E5A		105 0.00	75	-5VDC	
075 075	11 11	1 2	2 I	WHT		4 28 17 66	N8A25W4-4		141 0.00	75		72.0	17	4 28	N8E33-E5A		105 0.00	75	-15VDC	
075 075	13 13	1 2	2 I	WHT		4 28 17 66	N8A25W4-7		141 0.00	75		72.0	17	4 28	N8E33-E6A		105 0.00	75	+12VDC	
102 102	07 07	1 2	4 E	WHT		4 17	N8A25W4-8		116 0.00	74		34.0	66	4 17	N8A25W2-3		117 0.00	74	5VRTN	
076 076	01 01	1 2	2 I	WHT		4 28 17 66	N8A25W4-8		104 0.00	75		72.0	17	4 29	N8E33TB3-1A		141 0.00	75	RTN	
045 045	03 03	1 2	26 C	BLK		4 29	N8E33-E10B		107 0.00	76	AAJS 241.0			4 66	N1W1-13		107 0.00	76	DCRTN	
092 092	01 01	1 2	2 H	WHT		4 17 29	N8E33-E10B		105 0.00	75		19.5	67	12 4 66	N821P1-A2 21-A2		0.00	75	28VRTN	
090 090	01 01	1 2	2 H	WHT		4 17	N8E33-E10B		105 0.00	75		20.5	67	12 4 66	N822P1-A2 22-A2		0.00	75	28VRTN	

Change 2 5-1734

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST											DWG NO. SM-B-817043X			PAGE 0086						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION					
				1	2	3		S	FIND	LOC		S	FIND	GP							
	3	4	5	H	LUG	SLV	1	2	3	4	5	H	LUG	SLV	SC	FUNCTION					
073 073	13 13	1 2	2 I	WHT		4 17	29	N8E33-E11A		105 0.00	75		144.0	17	4 66	28	N7A23W4-5		141 0.00	75	+15VDC
092 092	05 05	1 2	2 H	WHT		4 29	17	N8E33-E11B		105 0.00	75		18.5	67	12 66	4	N821P1-A4 21-A4		0.00	75	+12VDC
090 090	05 05	1 2	2 H	WHT		4 29	17	N8E33-E11B		105 0.00	75		23.0	67	12 66	4	N822P1-A4 22-A4		0.00	75	+15VDCH
072 072	05 05	1 2	32 E	GRN		4	66	N8E33-E1A		105 0.00	75		48.0		4		N8E37		105 0.00	75	GND
089 089	03 03	1 2	2 H	WHT		4	17	N8E33-E1B		105 0.00	75		19.5	67	12 66	4	N819P1-A3 19-A3		0.00	75	CHASSIS
091 091	03 03	1 2	2 H	WHT		4	17	N8E33-E1B		105 0.00	75		17.5	67	12 66	4	N820P1-A3 20-A3		0.00	75	CHASSIS
092 092	03 03	1 2	2 H	WHT		4	17	N8E33-E1B		105 0.00	75		20.5	67	12 6	4 6	N821P1-A3 21-A3		0.00	75	CHASSIS
090 090	03 03	1 2	2 H	WHT		4	17	N8E33-E1B		105 0.00	75		25.5	67	12 66	4	N822P1-A3 22-A3		0.00	75	CHASSIS
074 074	11 11	1 2	2 I	WHT		4 17	28	N8E33-E4A		105 0.00	75		72.0	17	4 66		N8A25W3-2		141 0.00	75	-12VDC
075 075	07 07	1 2	2 I	WHT	17	4	28	N8E33-E4A		105 0.00	75		720 0.0	17	4 66	28	N8A25W4-2		141 0.00	75	-12VDC
067 067	06 06	1 2	2 I	WHT		4 17		N8E33-E4A		105 0.00	75		120.0	17	4		N9A56W2-2		141 0.00	75	-12VDC

Change 2 5-1735

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0087					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES			LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION
				1	2			S	FIND			1	2			S	FIND		
				3	4	5		H	LUG	SLV		3	4	5		H	LUG	SLV	
089 089	07 07	1 2	2 H	WHT		4 17	N8E33-E4B		105 0.00	75	24.5		12 4 67 66	N819P1-A5 19-A5		0.00	75	-12VDC	
091 091	07 07	1 2	2 H	WHT		4 17	N8E33-E4B		105 0.00	75	19.0		12 4 67 66	N820P1-A5 20-A5		0.00	75	-15VDC	
073 073	11 11	1 2	2 I	WHT		4 28	N8E33-E5A		105 0.00	75	144.0		4 28 17 66	N7A23W4-4		141 0.00	75	-15VDC	
075 075	01 01	1 2	2 I	WHT		4 28	N8E33-E5A		105 0.00	75	72.0		4 28 17 66	N8A25W3-4		141 0.00	75	-15VDC	
075 075	11 11	1 2	2 I	WHT		4 28	N8E33-E5A		105 0.00	75	72.0		4 28 17 66	N8A25W4-4		141 0.00	75	-15VDC	
092 092	07 07	1 2	2 H	WHT		4 17	N8E33-E5B		105 0.00	75	16.5		12 4 67 66	N821P1-A5 21-A5		0.00	75	-12VDC	
090 090	07 07	1 2	2 H	WHT		4 17	N8E33-E5B		105 0.00	75	15.5		12 4 67 66	N822P1-A5 22-A5		0.00	75	-15VDC	
075 075	03 03	1 2	2 I	WHT		4 28	N8E33-E6A		105 0.00	75	72.0		4 28 17 66	N8A25W3-7		141 0.00	75	+12VDC	
075 075	13 13	1 2	2 I	WHT		4 28	N8E33-E6A		105 0.00	75	72.0		4 28 17 66	N8A25W4-7		141 0.00	75	+12VDC	
067 067	09 09	1 2	2 I	WHT		4	N8E33-E6A		105 0.00	75	120.0		4	N9A56W2-7		141 0.00	75	+12VDC	
089 089	05 05	1 2	2 H	WHT		4 17	N8E33-E6B		105 0.00	75	25.5		12 4 67 66	N819P1-A4 19-A4		0.00	75	+12VDC	

Change 2 5-1736

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0088		
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION
				1	2	5		S	FIND	LOC		S	FIND	SLV		
	3	4	5	H	LUG	SLV	H	LUG	SLV	3	4	5	H	LUG	FND	FER
091 091	05 05	1 2	2 H	WHT	4	17	N8E33-E6B	105 0.00	75	21.0	12 67	4 66	N820P1-A4 20-A4	0.00	75	+15VDC
088 088	13 13	1 2	2 H	WHT	4	17	N8E33-E7B	105 0.00	75	26.0	12 67	4 66	N819P1-A1 19-A1	0.00	75	+28VDC
090 090	13 13	1 2	2 H	WHT	4	17	N8E33-E7B	105 0.00	75	20.5	12 67	4 66	N820P1-A1 20-A1	0.00	75	+28VDC
045 045	01 01	1 2	23 C	RED	4		N8E33-E8B	107 0.00	76	AAJW 253.0	4	66	N1TB9-3	107 0.00	76	+28VDC
091 091	13 13	1 2	2 H	WHT	4	17	N8E33-E8B	105 0.00	75	15.0	12 67	4 66	N821P1-A1 21-A1	0.00	75	+28VDC
089 089	13 13	1 2	2 H	WHT	4	17	N8E33-E8B	105 0.00	75	19.5	12 67	4 66	N822P1-A1 22-A1	0.00	75	+28VDC
089 089	01 01	1 2	2 H	WHT	4	17	N8E33-E9B	105 0.00	75	28.0	12 67	4 66	N819P1-A2 19-A2	0.00	75	28VRTN
091 091	01 01	1 2	2 H	WHT	4	17	N8E33-E9B	105 0.00	75	23.0	12 67	4 66	N820P1-A2 20-A2	0.00	75	28VRTN
093 093	01 01	1 2	38 H	BLK	4	29	N8E33TB1-1A	100 0.00	84	18.0	4	66	N8XPS19P1-4 19-4	0.00	84	CRBR2A
094 094	05 05	1 2	38 H	BLK	4	29	N8E33TB1-1A	100 0.00	84	23.5	4	66	N8XPS20P1-4 20-4	0.00	84	CRBR2A
093 093	10 10	1 2	38 H	BLK	4	29	N8E33TB1-1B	100 0.00	84	14.0	15 29	4	N8TB2-13B	100 0.00	84	CRBR1A-13

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0089						
SHT	LN	C	WI	CLR	KY	NOTES		LOCATION	FROM			ROUTE	KY NOTES		LOCATION	TO .			GP	FUNCTION		
						1	2		S	FIND	LENGTH		1	2		S	FIND	SC			FUNCTION	
			FND	KSQ		3	4	5	H	LUG	SLV		3	4	5	H	LUG	SLV				
			KCD						S	STP	FND					S	STP	FND				
									H		FER					H		FER				
094	11	1	38	BLK						100	84							84			CRBR2A	
094	11	2	H			4	29	N8E33TB1-2A		0.00		32.0		4	66				0.00			
093	07	1	38	BLK		4	29	N8E33TB1-2A		100	84			4	66					84	CRBR2A	
093	07	2	H							0.00		32.0							0.00			
093	02	1		WHT		4	29	N8E33TB1-4A		100	84			4	66					84	CRBR2B	
093	02	2	H							0.00		23.5							0.00			
094	06	1		WHT		4	29	N8E33TB1-4A		100	84			4	66					84	CRBR2B	
094	06	2	H							0.00		22.0							0.00			
093	11	1		WHT		4	29	N8E33TB1-4B		100	84			15	4				100	84	CRBR1B-13	
093	11	2	H		66					0.00		14.0	29						0.00			
094	12	1		WHT		4	29	N8E33TB1-5A		100	84			4	66					84	CRBR2B	
094	12	2	H							0.00		30.5							0.00			
093	08	1		WHT		4	29	N8E33TB1-5A		100	84			4	66					84	CRBR2B	
093	08	2	H							0.00		30.5							0.00			
059	03	1	50	BLK		4	29	N8E33TB2-1B		101	72	KZT		4	66			101	72		PHASE A	
059	03	2	C							0.00		266.0						0.00				
059	05	1	44	RED		4	29	N8E33TB2-2B		101	72	KZT		4	66			101	72		PHASE B	
059	05	2	C							0.00		274.0						0.00				
059	07	1	46	BLU		4	29	N8E33TB2-3B		101	72	KZT		4	66			101	72		PHASE C	
059	07	2	C							0.00		272.0						0.00				
067	07	1	38	WHT		4	29	N8E33TB2-5A		100	84			56	4					84	19	CRBR1A9
067	07	2	J		66					0.00		110.0	50	40				0.00				

Change 2 5-1738

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0090							
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION					
				1	2	3		S	FIND	LOC		S	FIND	GP							
	3	4	5	H	LUG	SLV	1	2	3	4	5	H	LUG	SLV	4	19					
			NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION							
092 092	13 13	1 2	38 H	BLK		4	29	N8E33TB2-5B	100 0.00	84		11.0	4	66	N8XPS19P1-1 19-1		0.00	84		CRBR1A-9	
067 067	08 08	1 2		BLK J		4	29	N8E33TB2-6A	100 0.00	84		110.0	50	56 40	4 4	N6P5-+T +T		0.00	84	19	CRBR1B9
092 092	14 14	1 2		WHT H		4	29	N8E33TB2-6B	100 0.00	84		11.0	4	66	N8XPS19P1-2 19-2		0.00	84		CRBR1B-9	
067 067	10 10	1 2	38 J	WHT		4	29	N8E33TB2-7A	100 0.00	84		110.0	50	56 40	4 4	N6P5-+C +C		0.00	84	19	CRBR1A10
093 093	04 04	1 2	38 H	BLK		4	29	N8E33TB2-7B	100 0.00	84		11.0	46	6	N8XPS20P1-1 20-1		0.00	84		CRBR1A-10	
067 067	11 11	1 2		BLK J		4	29	N8E33TB2-8A	100 0.00	84		110.0	4	50	N6P5-H 40H		0.00	84	19	CRBR1B10	
093 093	05 05	1 2		WHT H		4	29	N8E33TB2-8B	100 0.00	84		11.0	46	6	N8XPS20P1-2 20-2		0.00	84		CRBR1B-10	
067 067	13 13	1 2	38 J	WHT		4	29	N8E33TB2-9A	100 0.00	84		110.0	4	40	N6P5-DD DD		0.00	84	19	CRBR1A11	
094 094	08 08	1 2	38 H	BLK		4	29	N8E33TB2-9B	100 0.00	84		20.0	46	6	N8XPS21P1-1 21-1		0.00	84		CRBR1A-11	
076 076	01 01	1 2	2 I	WHT		4	29	N8E33TB3-1A	141 0.00	75		72.0	17	4 66	28	N8A25W4-8		104 0.00	75		RTN
071 071	12 12	1 2	2 I	WHT		4	29	N8E33TB3-1A	141 0.00	75		120.0	17	4	N9A56W2-8		104 0.00	75		RTN	

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0091						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION				
				1	2	3		S	FIND	LOC		S	FIND	GP						
				4	5		H	LUG	SLV		1	2		H	LUG	SLV				
			3	4	5		S	STP	FND		3	4	5		S	STP	FND			
089 089	09 09	1 2	2 H	WHT		4 17	29	N8E33TB3-1B		141 0.00	75		18.0	12 67	4 66	N819P1-A6 19-A6		0.00	75	RTN
089 089	11 11	1 2	2 H	WHT		4 17	29	N8E33TB3-1B		141 0.00	75		19.0	12 67	4 66	N819P1-A7 19-A7		0.00	75	RTN
091 091	09 09	1 2	2 H	WHT		4 17	29	NBE33TB3-2B		141 0.00	75		16.0	12 67	4 66	N820P1-A6 20-A6		0.00	75	RTN
091 091	11 11	1 1	2 2	WHT H		4 17	29	N8E33TB3-2B		141 0.00	75		16.5	12 67	4 66	N820P1-A7 20-A7		0.00	75	RTN
092 092	11 11	1 2	2 H	WHT		4 17	29	N8E33TB3-3B		141 0.00	75		15.0	12 67	4 66	N821P1-A7 21-A7		0.00	75	RTN
090 090	11 11	1 2	2 H	WHT		4 17	29	N8E33TB3-3B		141 0.00	75		14.5	12 67	4 66	N822P1-A7 22-A7		0.00	75	RTN
075 075	05 05	1 2	2 I	WHT		4 17	28	N8E33TB3-4A		141 0.00	75		72.0	17 66	4 28	N8A25W3-8		104 0.00	75	RTN
090 090	09 09	1 2	2 H	WHT		4 17	29	N8E33TB3-4B		141 0.00	75		16.0	12 67	4 66	N822P1-A6 22-A6		0.00	75	RTN
092 092	09 09	1 2	2 H	WHT		4 17	29	N8E33TB3-6B		141 0.00	75		16.5	12 67	4 66	N821P1-A6 21-A6		0.00	75	RTN
076 076	08 08	1 2	83 H	WHT		6 29	14	N8E33TB3-7A		100 0.00	68 7		50.0	29 66	4	N7E32TB3-8A		100 0.00	68 7	ALARM
093 093	13 13	1 2	61 H	WHT		4	29	N8E33TB3-7B		100 0.00	84		18.5	12 66	4	N819P1-14 19-14		0.00	84	ALARM1

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST											DWG NO. SM-B-817043			PAGE 0092						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION					
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND			
				3	4	5		H	LUG	SLV		3	4	5			H	LUG	SLV		
			S	STP	FND				H	STP	FND	FER									
077 077	01 01	1 2	83 H	WHT		6 29	14 66	N8E33TB3-8A		100 0.00	68 7	50.0	29	61 29	4	N9E34TB3-1A		100 0.00	68 7	ALARM	
095 095	06 06	1 2	61 H	WHT		4	29	N8E33TB3-8B		100 0.00	84	15.0	66	12 66	4	N822P1-15 22-15		0.00	84	ALARM2	
076 076	09 09	1 2		BLK		4	29	N8E33TB3-9A		100 0.00	68	50.0	66	4 66	29	N7E32TB3-9A		100 0.00	68	ALARM	
076 076	11 11	1 2		WHT		66		N8E33TB3-9A	S	0.00		0.0	29	15 29	4	N8TB3-10A		100 0.00	68	SHIELD	
077 077	03 03	1 2		WHT		66		N8E33TB3-9A	S	0.00		0.0	29	15 29	4	N8TB3-10A		100 0.00	68	SHIELD	
077 077	02 02	1 2		BLK		66	4	29	N8E33TB3-9A		100 0.00	68	50.0	4 29	29	N9E34TB3-2A		100 0.00	68	ALARM	
072 072	05 05	1 2	32 E	GRN		4		N8E37		105 0.00	75	48.0		4 66	66	N8E33-E1A		105 0.00	75	GND	
101 101	09 09	1 2	45 H	GRN		66	4		N8E37		117 0.00	72	48.0	15 29	4	N8TB3-10A		101 0.00	72	GND	
070 070	11 11	1 2	5 G	WHT		50		N8P18-A		0.00		140.0	17	4 66	29	N7E32-E11A		117 0.00	73	15 +5VLAMP	
070 070	13 13	1 2	5 G	WHT		50		N8P18-B		0.00		140.0	17	4 66	29	N7E32-E11A		117 0.00	73	15 +5VLAMP	
071 071	05 05	1 2	5 G	WHT		50	67		N8P18-C		0.00		140.0	17 66	4 66	29	N7E32TB3-5A		101 0.00	73	15 RTN

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0093					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION			
				1	2	3		S	FIND	LOC		S	FIND	SLV					
	3	4	5	H	LUG	SLV	1	2	3	4	5	H	LUG	FND	FER				
071 071	07 07	1 2	5 G	WHT			N8P18-D				140.0							15	RTN
					50				0.00			17	66				101	73	
071 071	13 13	1 2	5 G	WHT		4 67	N8P54-A A			73	140.0							22	+28VDC
					50	43			0.00			29	17	66			101	73	
072 072	01 01	1 2	5 G	WHT		46 7	N8P54-B B			73	144.0							22	28VRTN
					50	43			0.00			29	17	66			101	73	
067 067	14 14	1 2		BLK		15 4	N8TB2-10A		100	84	110.0							19	CRBR1B11
				J		29	66		0.00			50	40				0.00	84	
094 094	09 09	1 2		WHT		15 4	N8TB2-10B		100	84	20.0								CRBR1B-11
				H		29			0.00								0.00	84	
068 068	01 01	1 2	38 J	WHT		15 4	N8TB2-11A		100	84	110.0							19	CRBR1A12
					29	66			0.00			50	40				0.00	84	
095 095	01 01	1 2	38 H	BLK		15 4	N8TB2-11B		100	84	18.5								CRBR1A-12
					29				0.00								0.00	84	
068 068	02 02	1 2		BLK		15 4	N8TB2-12A		100	84	110.0							19	CRBR1B12
				J		29	66		0.00			40					0.00	84	
095 095	02 02	1 2		WHT		15 4	N8TB2-12B		100	84	18.5								CRBR1B-12
				H		29			0.00								0.00	84	
069 069	10 10	1 2	38 J	WHT		15 4	N8TB2-13A		100	84	110.0							19	CRBR1A13
					29	66			0.00			40					0.00	84	
093 093	10 10	1 2	38 H	BLK		15 4	N8TB2-13B		100	84	14.0								CRBR1A-13
					29				0.00								0.00	84	

Change 2 5-1742

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0094				
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2		S	FIND	1		2	S		FIND	SLV			
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	FND	FER					
3	4	5	H	STP	FND	FER	3	4	5	H	STP	FND	FER					
069 11 1		BLK		15	4	N8TB2-14A		100	84		56	4	N6P5-+V			84	19	CRBR1B13
069 11 2	J		29	66			0.00		110.0	50	40		+V	0.00				
093 11 1		WHT		15	4	N8TB2-14B		100	84		4	29	N8E33TB1-4B		100	84		CRBR1B-13
093 11 2	H		29				0.00		14.0	66				0.00				
076 11 1		WHT		15	4	N8TB3-10A		100	68		66		N8E33TB3-9A	S				SHIELD
076 11 2	H		29				0.00		0.0					0.00				
077 03 1		WHT		15	4	N8TB3-10A		100	68		66		N8E33TB3-9A	S				SHIELD
077 03 2	H		29				0.00		0.0					0.00				
101 09 1	45	GRN		15	4	N8TB3-10A		101	72		4		N8E37		117	72		GND
101 09 2	H		29				0.00		48.0	66				0.00				
071 13 1	5	WHT		15	4	N8TB3-13A		101	73		4	67	N8P54-A			73	22	+28VDC
071 13 2	G		29	17	66		0.00		140.0	50	43		A	0.00				
102 12 1	44	RED		4		N8TB3-13A		179	72		4	34	N9P55-A			72	23	+28VDC
102 12 2	G		29	15			0.00		120.0	50			A	0.00				
041 07 1	39	RED		4	29	N8TB3-13B		101	72	AAJS	4	66	N1TB7-3		102	72		+28VDC
041 07 2	C		15				0.00		274.0					0.00				
072 01 1	5	WHT		15	4	N8TB3-14A		101	73		4	67	N8P54-B			73	22	28VRTN
072 01 2	G		29	17	66		0.00		144.0	50	43		B	0.00				
102 14 1	50	BLK		4		N8TB3-14A		179	72		43	4	N9P55-B			72	23	+28VDCRTN
102 14 2	G		29	15			0.00		123.0	50			B	0.00				
041 09 1	42	BLK		4	29	N8TB3-14B		101	72	AAJS	4	66	N1W1-20		102	72		DCRTN
041 09 2	C		15				0.00		244.0					0.00				

Change 2 5-1743

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0095						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2	3		S	FIND	1			2	S		FIND	3	4		
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	H	STP	FND	FER				
092 092	13 13	1 2	38 H	BLK	4	66	N8XPS19P1-1 19-1			84	11.0	4	29	N8E33TB2-5B	100 0.00	84	CRBR1A-9			
092 092	14 14	1 2	H	WHT	4	66	N8XPS19P1-2 19-2			84	11.0	4	29	N8E33TB2-6B	100 0.00	84	CRBR1B-9			
093 093	01 01	1 2	38 H	BLK	4	66	N8XPS19P1-4 19-4			84	18.0	4	29	N8E33TB1-1A	100 0.00	84	CRBR2A			
093 093	02 02	1 2	H	WHT	4	66	N8XPS19P1-5 19-5			84	23.5	4	29	N8E33TB1-4A	100 0.00	84	CRBR2B			
093 093	04 04	1 2	38 H	BLK	4	66	N8XPS20P1-1 20-1			84	11.0	4	29	N8E33TB2-7B	100 0.00	84	CRBR1A-10			
093 093	05 05	1 2	H	WHT	4	66	N8XPS20P1-2 20-2			84	11.0	4	29	N8E33TB2-8B	100 0.00	84	CRBR1B-10			
094 094	05 05	1 2	38 H	BLK	4	66	N8XPS20P1-4 20-4			84	23.5	4	29	N8E33TB1-1A	100 0.00	84	CRBR2A			
094 094	06 06	1 2	H	WHT	4	66	N8XPS20P1-5 20-5			84	22.0	4	29	N8E33TB1-4A	100 0.00	84	CRBR2B			
094 094	08 08	1 2	38 H	BLK	4	66	N8XPS21P1-1 21-1			84	20.0	4	29	N8E33TB2-9B	100 0.00	84	CRBR1A-11			
094 094	09 09	1 2	H	WHT	4	66	N8XPS21P1-2 21-2			84	20.0	29	15 4	N8TB2-10B	100 0.00	84	CRBR1B-11			
094 094	11 11	1 2	38 H	BLK	4	66	N8XPS21P1-4 21-4			84	32.0	4	29	N8E33TB1-2A	100 0.00	84	CRBR2A			

Change 2 5-1744

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0096								
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	TO .		S H S H	FIND		GP SC	FUNCTION					
				1	2		S	FIND	1		2	S		FIND								
				3	4		5	H	LUG		SLV	3		4	5			H	LUG	SLV	FND	FER
094 094	12 12	1 2		WHT		4	66	N8XPS21P1-5 21-5			84			30.5		4	29	N8E33TB1-5A		100 0.00	84	CRBR2B
095 095	01 01	1 2	38 H	BLK		4	66	N8XPS22P1-1 22-1			84			18.5	29	15	4	N8TB2-11B		100 0.00	84	CRBR1A-12
095 095	02 02	1 2		WHT		4	66	N8XPS22P1-2 22-2			84			18.5	29	15	4	N8TB2-12B		100 0.00	84	CRBR1B-12
093 093	07 07	1 2	38 H	BLK		4	66	N8XPS22P1-4 22-4			84			32.0		4	29	N8E33TB1-2A		100 0.00	84	CRBR2A
093 093	08 08	1 2		WHT		4	66	N8XPS22P1-5 22-5			84			30.5		4	29	N8E33TB1-5A		100 0.00	84	CRBR2B
095 095	08 08	1 2	6 H	WHT	67	12 66	4	N923P1-A1 23-A1			75			25.5		4	17	N9E34-E8B		105 0.00	75	+28VDC
095 095	10 10	1 2	6 H	WHT	67	12 66	4	N923P1-A2 23-A2			75		29	27.5		4	17	N9E34-E10B		105 0.00	75	28VRTN
095 095	12 12	1 2	6 H	WHT	67	12 66	4	N923P1-A3 23-A3			75			14.0		4	17	N9E34-E2B		105 0.00	75	+5VDC
095 095	14 14	1 2	6 H	WHT	67	12 66	4	N923P1-A4 23-A4			75			15.0		4	17	N9E34-E2B		105 0.00	75	+SVDC
096 096	01 01	1 2	6 H	WHT	67	12 66	4	N923P1-A5 23-A5			75			14.0		4	17	N9E34-E2B		105 0.00	75	+5VDC
096 096	03 03	1 2	6 H	WHT	67	12 66	4	N923P1-A6 23-A6			75			21.0		4	17	N9E34-E4B		105 0.00	75	5VRTN

Change 2 5-1745

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0097			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION
				1	2		S	FIND	1		2	S		FIND	SLV		
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	FND	FER				
096 05 1 096 05 2	6 H	WHT		12 67	4 66	N923P1-A7 23-A7			75	21.5	4 17	N9E34-E4B	105 0.00	75	5VRTN		
096 07 1 096 07 2	6 H	WHT		12 67	4 66	N924P1-A1 24-A1			75	20.5	4 17	N9E34-E8B	105 0.00	75	+28VDC		
096 09 1 096 09 2	6 H	WHT		12 67	4 66	N924P1-A2 24-A2			75	21.0	29 4 17	N9E34-E10B	105 0.00	75	28VRTN		
096 11 1 096 11 2	6 H	WHT		12 67	4 66	N924P1-A3 24-A3			75	16.5	4 17	N9E34-E3B	105 0.00	75	+5VDC		
096 13 1 096 13 2	6 H	WHT		12 67	4 66	N924P1-A4 24-A4			75	16.5	4 17	N9E34-E3B	105 0.00	75	+5VDC		
097 01 1 097 01 2	6 H	WHT		12 67	4 66	N924P1-A5 24-A5			75	16.5	4 17	N9E34-E3B	105 0.00	75	+5VDC		
097 03 1 097 03 2	6 H	WHT		12 67	4 66	N924P1-A6 24-A6			75	17.0	4 17	N9E34-E4B	105 0.00	75	5VRTN		
097 05 1 097 05 2	6 H	WHT		12 67	4 66	N924P1-A7 24-A7			75	19.5	29 4 17	N9E34-E11B	105 0.00	75	5VRTN		
099 01 1 099 01 2	6 H	WHT		12 67	4 66	N924P2-A3 P2-A3			75	19.5	4 17	N9E34-E5B	105 0.00	75	+5VDC		
099 03 1 099 03 2	6 H	WHT		12 67	4 66	N924P2-A4 P2-A4			75	19.0	4 17	N9E34-E5B	105 0.00	75	+5VDC		
099 05 1 099 05 2	6 H	WHT		12 67	4 66	N924P2-A5 P2-A5			75	19.5	4 17	N9E34-E5B	105 0.00	75	+5VDC		

Change 2 5-1746

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0098					
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	TO		S H	FIND		GP SC	FUNCTION		
				1	2		S	LUG	SLV		KY	NOTES		LOCATION	S			LUG	SLV
				3	4		5	S	STP		FND	3		4	5			S	STP
						H		FER				H		FER					
097 097	07 07	1 2	6 H	WHT		12 66	4	N925P1-A1 25-A1			75				105 0.00	75	+28VDC		
097 097	09 09	1 2	6 H	WHT		12 66	4	N925P1-A2 25-A2			75		29		105 0.00	75	28VRTN		
097 097	11 11	1 2	6 H	WHT		12 66	4	N925P1-A3 25-A3			75				105 0.00	75	+5VDC		
097 097	13 13	1 2	6 H	WHT		12 66	4	N925P1-A4 25-A4			75				105 0.00	75	+5VDC		
098 098	01 01	1 2	6 H	WHT		12 66	4	N925P1-A5 25-A5			75				105 0.00	75	+5VDC		
098 098	03 03	1 2	6 H	WHT		12 66	4	N925P1-A6 25-A6			75		29		105 0.00	75	5VRTN		
098 098	05 05	1 2	6 H	WHT		12 66	4	N925P1-A7 25-A7			75		29		105 0.00	75	5VRTN		
100 100	09 09	1 2	39 H	RED		4 66	29	N9A38TB1-1	101 0.00	72			29		101 0.00	72	+28VDC		
043 043	05 05	1 2	40 E	GRN		4 66	29	N9A38TB1-10	101 0.00	72					117 0.00	72	GND		
100 100	11 11	1 2	42 H	BLK		4 66	29	N9A38TB1-3	101 0.00	72			29		101 0.00	72	DCRTN		
101 101	01 01	1 2	42 H	BLK		4 66	29	N9A38TB1-3	101 0.00	72			29		101 0.00	72	DCRTN		

Change 2 5-1747

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST											DWG NO. SM-B-817043			PAGE 0099						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION					
				1	2	3		S	FIND	LOC		S	FIND	GP							
				4	5		H	LUG	SLV		1	2		H	LUG	SLV					
			3	4	5		S	STP	FND		3	4	5	H	S	STP	FND	FER			
100 100	13 13	1 2	39 H	RED		4 66	29	N9A38TB1-5		101 0.00	72		55.0	29	16	4	N9TB3-11A		101 0.00	72	+28VDC
101 101	03 03	1 2	39 H	RED		4 66	29	N9A38TB1-5		101 0.00	72		55.0	29	16	4	N9TB3-11A		101 0.00	72	+28VDC
101 101	05 05	1 2	42 H	BLK		4 66	29	N9A38TB1-7		101 0.00	72		55.0	29	16	4	N9TB3-14A		101 0.00	72	DCRTN
077 077	09 09	1 2	29 E	GRN		4 66	17	N9A56E9		120 0.00	75		108.0		4	17	N9E38		106 0.00	75	GND
102 102	10 10	1 2	1 I	WHT		4 17		N9A56W1-1		107 0.00	76		100.0	17	4		N9E34-E5A		107 0.00	76	+5VDC
102 102	09 09	1 2	1 I	WHT		4 17		N9A56W1-3		107 0.00	76		100.0	17	4		N9E34-E4A		107 0.00	76	+5VRTN
067 067	06 06	1 2	2 I	WHT		4 17		N9A56W2-2		141 0.00	75		120.0	17	4		N8E33-E4A		105 0.00	75	-12VDC
066 066	12 12	1 2	2 I	WHT		4 17	29	N9A56W2-3		141 0.00	75		136.0	17	4		N7E32-E4A		119 0.00	75	-5VDC
067 067	09 09	1 2	2 I	WHT		4 17		N9A56W2-7		141 0.00	75		120.0	17	4		N8E33-E6A		105 0.00	75	+12VDC
071 071	12 12	1 2	2 I	WHT		4 17		N9A56W2-8		104 0.00	75		120.0	17	4	29	N8E33TB3-1A		141 0.00	75	RTN
062 062	11 11	1 2	130 C	GRN		4 66		N9E21		107 0.00	76		PJAA 240.0		4		N1E1		108 0.00	76	GND

Change 2 5-1748



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0100						
SHT	LN	C	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES			LOCATION MARKING	TO .			GP SC	FUNCTION
						1	2	3		S	FIND	H		LUG	SLV	1		2	3	S		
043	05	1	40	GRN		4			N9E21		117	72			4	29	N9A38TB1-10		101	72	GND	
043	05	2	E								0.00		48.0	66					0.00			
045	06	1	26	BLK		4	29		N9E34-E10B		107	76	AAJP		4	66	N1W1-28		107	76	DCRTN	
045	06	2	C								0.00		218.0						0.00			
095	10	1	6	WHT		4	17		N9E34-E10B		105	75		12	4	N923P1-A2				75	28VRTN	
095	10	2	H		29						0.00		27.5	67	66	23-A2		0.00				
096	09	1	6	WHT		4	17		N9E34-E10B		105	75		12	4	N924P1-A2				75	28VRTN	
096	09	2	H		29						0.00		21.0	67	66	24-A2		0.00				
097	09	1	6	WHT		4	17		N9E34-E10B		105	75		12	4	N925P1-A2				75	28VRTN	
097	09	2	H		29						0.00		20.5	67	66	25-A2		0.00				
074	09	1	1	WHT		4	28		N9E34-E11A		107	76		4	28	N8A25W2-4		107	76	5VRTN		
074	09	2	I		17						0.00		125.0	17	66			0.00				
100	07	1	32	GRN		4	66		N9E34-E11A		105	75		4		N9E38		105	75	GND		
100	07	2	H		29						0.00		40.0					0.00				
097	05	1	6	WHT		4	17		N9E34-E11B		105	75		12	4	N924P1-A7				75	5VRTN	
097	05	2	H		29						0.00		19.5	67	66	24-A7		0.00				
098	03	1	6	WHT		4	17		N9E34-E11B		105	75		12	4	N925P1-A6				75	5VRTN	
098	03	2	H		29						0.00		21.0	67	66	25-A6		0.00				
098	05	1	6	WHT		4	17		N9E34-E11B		105	75		12	4	N925P1-A7				75	5VRTN	
098	05	2	H		29						0.00		21.0	67	66	25-A7		0.00				
095	12	1	6	WHT		4	17		N9E34-E2B		105	75		12	4	N923P1-A3				75	+5VDC	
095	12	2	H								0.00		14.0	67	66	23-A3		0.00				

Change 2 5-1749

Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0101				
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION		
				1	2	3		S	FIND	1		2	3	S			FIND	3
				4	5		H	LUG	SLV		4	28		H	LUG	SLV		
			3	4	5		S	STP	FND		3	4	5	H	S	STP	FND	FER
095 095	14 14	1 2	6 H	WHT		4 17	N9E34-E2B	105 0.00	75		15.0	12 67	4 66	N923P1-A4 23-A4		0.00	75	+5VDC
096 096	01 01	1 2	6 H	WHT		4 17	N9E34-E2B	105 0.00	75		14.0	12 67	4 66	N923P1-A5 23-A5		0.00	75	+5VDC
074 074	03 03	1 2	1 I	WHT	17	4 28	N9E34-E3A	107 0.00	76		100.0	4 17	28 66	N8A25W1-1		0.00	76	+5VDC
096 096	11 11	1 2	6 H	WHT		4 17	N9E34-E3B	105 0.00	75		16.5	12 67	4 66	N924P1-A3 24-A3		0.00	75	+5VDC
096 096	13 13	1 2	6 H	WHT		4 17	N9E34-E3B	105 0.00	75		16.5	12 67	4 66	N924P1-A4 24-A4		0.00	75	+5VDC
097 097	01 01	1 2	6 H	WHT		4 17	N9E34-E3B	105 0.00	75		16.5	12 67	4 66	N924P1-A5 24-A5		0.00	75	+5VDC
074 074	05 05	1 2	1 I	WHT	17	4 28	N9E34-E4A	107 0.00	76		100.0	4 17	28 66	N8A25W1-3		0.00	76	5VRTN
100 100	05 05	1 2	6 I	WHT	17	4	N9E34-E4A	105 0.00	75		125.0	4 17	66	N8A25W1-4		0.00	105	75 5VRTN
102 102	09 09	1 2	1 I	WHT	17	4	N9E34-E4A	107 0.00	76		100.0	4 17		N9A56W1-3		0.00	107	76 +5VRTN
096 096	03 03	1 2	6 H	WHT		4 17	N9E34-E4B	105 0.00	75		21.0	12 67	4 66	N923P1-A6 23-A6		0.00	75	5VRTN
096 096	05 05	1 2	6 H	WHT		4 17	N9E34-E4B	105 0.00	75		21.5	12 67	4 66	N923P1-A7 23-A7		0.00	75	5VRTN

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0102						
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY NOTES			LOCATION	TO .			GP	FUNCTION
						1	2	3		S	FIND	LENGTH		1	2	3		4	5	S		
			FND	KSQ		3	4	5	MARKING	H	LUG	SLV		NOTES	MARKING	H	LUG	SLV	SC	FUNCTION		
			KCD							S	STP	FND				S	STP	FND	SC	FUNCTION		
										H		FER				H		FER				
097	03	1	6	WHT		4	17		N9E34-E4B		105	75			12	4					5VRTN	
097	03	2	H								0.00		17.0	67	66			0.00	75			
074	07	1	1	WHT		4	28		N9E34-E5A		107	76			4	28					+5VDC	
074	07	2	I		17						0.00		125.0	17	66			0.00	76			
102	10	1	1	WHT		4			N9E34-E5A		107	76			4						+5VDC	
102	10	2	I		17						0.00		100.0	17				0.00	76			
099	01	1	6	WHT		4	17		N9E34-E5B		105	75			12	4					+5VDC	
099	01	2	H								0.00		19.5	67	66			0.00	75			
099	03	1	6	WHT		4	17		N9E34-E5B		105	75			12	4					+5VDC	
099	03	2	H								0.00		19.0	67	66			0.00	75			
099	05	1	6	WHT		4	17		N9E34-E5B		105	75			12	4					+5VDC	
099	05	2	H								0.00		19.5	67	66			0.00	75			
097	11	1	6	WHT		4	17		N9E34-E6B		105	75			12	4					+5VDC	
097	11	2	H								0.00		19.0	67	66			0.00	75			
097	13	1	6	WHT		4	17		N9E34-E6B		105	75			12	4					+5VDC	
097	13	2	H								0.00		17.0	67	66			0.00	75			
098	01	1	6	WHT		4	17		N9E34-E6B		105	75			12	4					+5VDC.	
098	01	2	H								0.00		17.5	67	66			0.00	75			
045	04	1	23	RED		4			N9E34-E8B		107	76	AAJP		4	66					+28VDC	
045	04	2	C								0.00		218.0					0.00	76			
095	08	1	6	WHT		4	17		N9E34-E8B		105	75			12	4					+28VDC	
095	08	2	H								0.00		25.5	67	66			0.00	75			

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0103										
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION			FROM			ROUTE	KY NOTES			LOCATION			TO .			GP	FUNCTION
						1	2	3	4	5	MARKING	S	FIND	LENGTH		1	2	3	4	5	MARKING	S	FIND	GP		
			FND	KSQ																						
			KCD																							
					</																					



Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0105			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION
				1	2		S	FIND	1		2	S		FIND	SLV		
				3	4		5	H	LUG		SLV	3		4	5	H	
099 08 1 099 08 2	H	WHT	29	16	4	N9TB2-10B	100	84	7.5	4	66	N9XPS23P1-7 23-7	0.00	84	CRBR1B-14		
070 01 1 070 01 2	J	WHT	29	16	4	N9TB2-11A	100	84	120.0	40	4	50	N6P5-Y Y	0.00	84 19	CRBR1A15	
099 10 1 099 10 2	H	BLK	29	16	4	N9TB2-11B	100	84	7.5	4	66	N9XPS24P1-6 24-6	0.00	84	CRBR1A-15		
070 02 1 070 02 2	J	BLK	29	16	4	N9TB2-12A	100	84	120.0	40	4	50	N6P5-Z Z	0.00	84 19	CRBR1B15	
099 11 1 099 11 2	H	WHT	29	16	4	N9TB2-12B	100	84	7.5	4	66	N9XPS24P1-7 24-7	0.00	84	CRBR1B-15		
070 04 1 070 04 2	J	WHT	29	16	4	N9TB2-13A	100	84	120.0	50	56	4	N6P5-+A +A	0.00	84 19	CRBR1A16	
099 13 1 099 13 2	H	BLK	29	16	4	N9TB2-13B	100	84	13.0	4	66	N9XPS25P1-6 25-6	0.00	84	CRBR1A-16		
070 05 1 070 05 2	J	BLK	29	16	4	N9TB2-14A	100	84	120.0	50	56	4	N6P5-+B +B	0.00	84 19	CRBR1B16	
099 14 1 099 14 2	H	WHT	29	16	4	N9TB2-14B	100	84	13.0	4	66	N9XPS25P1-7 25-7	0.00	84	CRBR1B-16		
100 13 1 100 13 2	H	RED	29	16	4	N9TB3-11A	101	72	55.0	66	4	29	N9A38TB1-5	101 0.00	72	+28VDC	
101 03 1 101 03 2	H	RED	29	16	4	N9TB3-11A	101	72	55.0	66	4	29	N9A38TB1-5	101 0.00	72	+28VDC	

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Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0106						
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY NOTES			LOCATION	TO			GP	FUNCTION
						1	2	5		S	FIND	LENGTH		1	2	5		S	FIND	SC		
			FND	KSQ		3	4	5	MARKING	H	LUG	SLV		3	4	5	H	LUG	SLV			
			KCD							S	STP	FND					H	STP	FND			
										H		FER							FER			
042	11	1	39	RED					N9TB3-11B		101	72	AAJP					102	72		+28VDC	
042	11	2	C		16	4	28				0.00		305.0	4	66			0.00				
100	11	1	42	BLK		16	4		N9TB3-12A		101	72		4	29			101	72		DCRTN	
100	11	2	H		29						0.00		55.0..66					0.00				
101	01	1	42	BLK		16	4		N9TB3-12A		101	72		4	29			101	72		DCRTN	
101	01	2	H		29						0.00		55.0 66					0.00				
042	13	1	42	BLK		4	28		N9TB3-12B		101	72	AAJP	4	66			102	72		DCRTN	
042	13	2	C		16						0.00		250.0					0.00				
100	09	1	39	RED		16	4		N9TB3-13A		101	72		4	29			101	72		+28VDC	
100	09	2	H		29						0.00		55.0 66					0.00				
043	01	1	39	RED		4	29		N9TB3-13B		101	72	AAJP	4	66			102	72		+28VDC	
043	01	2	C		16						0.00		245.0					0.00				
101	05	1	42	BLK		16	4		N9TB3-14A		101	72		4	29			101	72		DCRTN	
101	05	2	H		29						0.00		55.0 66					0.00				
043	03	1	42	BLK		4	29		N9TB3-14B		101	72	AAJP	4	66			102	72		DCRTN	
043	03	2	C		16						0.00		250.					0.00				
098	07	1	61	WHT		4	66		N9XPS23P1-3			84		4	29			100	84		ALARM	
098	07	2	H						23-3		0.00		11.5					0.00				
098	09	1	61	WHT		4	66		N9XPS23P1-4			84		4				100	84		ALARM	
098	09	2	H						23-4		0.00		19.0					0.00				
099	07	1	8	BLK		4	66		N9XPS23P1-6			84		4	29			100	84		CRBR1A-14	
099	07	2	H						23-6		0.00		7.5					0.00				





Table 5-11. Communications Interface Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817043			PAGE 0108						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO			GP SC	FUNCTION
				1	2	3		S	FIND	H			LUG	SLV		1	2	S		
	3	4	5	S	STP	FND	H	STP	FND	FER	3	4	5	S	STP	FND	H	STP	FND	FER
045 045	13 13	1 2	31 C	RED		50	N10P7-A A				AAJN 260.0	4	66	N1TB9-7		105 0.00	75	5	+28VDC	
046 046	01 01	1 2	35 C	BLK		50	N10P7-B				AAJN 238.0	4	66	N1W1-29		105 0.00	75	5	DCRTN	
061 061	07 07	1 2	48 C	GRA		66	N10P8-A A		72	MK 261.0 50	4		N2TB12-3A		101 0.00	72	6	115VAC		
061 061	09 09	1 2	48 C	GRA		66	N10P8-B B		72	MK 26.1 05	4		N2TB12-4A		101 0.00	72	6	115VAC		
061 061	11 11	1 2	45 C	GRN		66	N10P8-C C		72	MK 261.0	4	50	N2TB12-5A		101 0.00	72	6	GND		

All data on pages 5-1757 through 5-1780 deleted.

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Table 5-12. Communications Interface shelter, power Redundant  
Cable Run List Associated Parts List - Continued

<u>PARTS LIST</u>		WRL-PWR, CI SHLT		PLSMB817043		PL REV -P	
ASSEMBLY PART NUMBER SMB817043							SHEET 2
<u>FIND NO.</u>	<u>QTY REQD</u>	<u>UNIT MEAS</u>	<u>FSCM</u>	<u>PART OR IDENTIFYING NO.</u>	<u>SPECIFICATION</u>	<u>NOMENCLATURE OR DESCRIPTION</u>	<u>NOTE NO.</u>
* 1	85	LF	80063	SMA838551-1		WIRE, ELEC, HKUP	54
* 2	155	LF	80063	SMA838551-4		WIRE, ELEC, HKUP	54
* 3	6	LF	80063	SMA838551-2		WIRE, ELEC, HKUP	54
* 4	28	LF	80063	SMA838551-6		WIRE, ELEC, HKUP	54
* 5	63	LF	80063	SMA838551-7		WIRE, ELEC, HKUP	54
* 6	50	LF	80063	SMA838551-3		WIRE, ELEC, HKUP	54
* 7	14		80063	SMA838515-1		SLEEVE. SOLDER	
* 8	5		80063	SMA838672-1		TERMINAL LUG	
9	REF			DELETE		DELETED ITEM	
10	REF			DELETE		DELETED ITEM	
11	REF			DELETE		DELETED ITEM	
12	16	LF	81349	M5086-2-02-2	MIL-W-5086/2	WIRE, ELECTRICAL	54
13	23	LF	81349	M5086-2-02-9	MIL-W-5086/2	WIRE, ELECTRICAL	54
14	13	LF	81349	M5086-2-02-0	MIL-W-5086/2	WIRE, ELECTRICAL	54
15	5	LF	81349	M5086-2-1-2	MIL-W-5086/2	WIRE, ELECTRICAL	54
16	5	LF	81349	M5086-2-1-6	MIL-W-5086/2	WIRE, ELECTRICAL	54
17	5	LF	81349	M5086-2-1-9	MIL-W-5086/2	WIRE, ELECTRICAL	54
18	5	LF	81349	M5086-2-1-0	MIL-W-5086/2	WIRE, ELECTRICAL	54
19	2	LF	81349	M5086-2-2-2	MIL-W-5086/2	WIRE, ELECTRICAL	54
20	2	LF	81349	M5086-2-2-6	MIL-W-5086/2	WIRE, ELECTRICAL	54
21	2	LF	81349	M5086-2-2-9	MIL-W-5086/2	WIRE, ELECTRICAL	54
22	2	LF	81349	M5086-2-2-0	MIL-W-5086/2	WIRE, ELECTRICAL	54
23	211	LF	81349	M5086-2-4-2	MIL-W-5086/2	WIRE, ELECTRICAL	54
24	22	LF	81349	M5086-2-4-6	MIL-W-5086/2	WIRE, ELECTRICAL	54

Table 5-12. Communications Interface shelter, power Redundant  
Cable Run List Associated Parts List - Continued

<u>PARTS LIST</u>		WRL-PWR, CI SHLT		PLSMB817043		PL REV -P	
ASSEMBLY PART NUMBER SMB817043							SHEET 3
<u>FIND NO.</u>	<u>QTY REQD</u>	<u>UNIT MEAS</u>	<u>FSCM</u>	<u>PART OR IDENTIFYING NO.</u>	<u>SPECIFICATION</u>	<u>NOMENCLATURE OR DESCRIPTION</u>	<u>NOTE NO.</u>
25	REF			DELETE		DELETED ITEM	
26	130	LF	81349	M5086-2-4-0	MIL-W-5086/2	WIRE, ELECTRICAL	54
27	129	LF	81349	M5086-2-6-2	MIL-W-5086/2	WIRE, ELECTRICAL	54
28	9	LF	81349	M5086-2-6-6	MIL-W-5086/2	WIRE, ELECTRICAL	54
29	19	LF	81349	M5086-2-6-5	MIL-W-5086/2	WIRE, ELECTRICAL	54
30	91	LF	81349	M5086-2-6-0	MIL-W-5086/2	WIRE, ELECTRICAL	54
31	116	LF	81349	M5086-2-8-2	MIL-W-5086/2	WIRE, ELECTRICAL	54
32	17	LF	81349	M5086-2-8-5	MIL-W-5086/2	WIRE, ELECTRICAL	54
33	24	LF	81349	M5086-2-8-6	MIL-W-5086/2	WIRE, ELECTRICAL	54
34	REF			DELETE		DELETED ITEM	
35	68	LF	81349	M5086-2-8-0	MIL-W-5086/2	WIRE, ELECTRICAL	54
36	REF			DELETE		DELETED ITEM	
37	REF			DELETE		DELETED ITEM	
38	111	LF	81349	EC22UO-9U	MIL-C-55021/2	CABLE, SPCL PRP	54
39	181	LF	81349	TYPEE14AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	54
40	132	LF	81349	TYPEE14AWGGRN	MIL-W-16878/4	WIRE, ELECTRICAL	54
41	42	LF	81349	TYPEE14AWGWHT	MIL-W-16878/4	WIRE, ELECTRICAL	54
42	52	LF	81349	TYPEE14AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	54
43	10	LF	81349	TYPEE14AWGBLU	MIL-W-16878/4	WIRE, ELECTRICAL	54
44	274	LF	81349	TYPEE16AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	54
45	118	LF	81349	TYPEE16AWGGRN	MIL-W-16878/4	WIRE, ELECTRICAL	54
46	107	LF	81349	TYPEE16AWGBLU	MIL-W-16878/4	WIRE, ELECTRICAL	54
47	REF			DELETE		DELETED ITEM	
48	30	LF	81349	TYPEE16AWGGRA	MIL-W-16878/4	WIRE, ELECTRICAL	54

Table 5-12. Communications Interface shelter, power Redundant  
Cable Run List Associated Parts List - Continued

**PARTS LIST**

WRL-PWR, CI SHLT

PLSMB817043

PL REV -P

ASSEMBLY PART NUMBER SMB817043

SHEET 4

<u>FIND NO.</u>	<u>QTY REQD</u>	<u>UNIT MEAS</u>	<u>FSCM</u>	<u>PART OR IDENTIFYING NO.</u>	<u>SPECIFICATION</u>	<u>NOMENCLATURE OR DESCRIPTION</u>	<u>NOTE NO.</u>
49	194	LF	81349	TYPEE16AWGWHT	MIL-W-16878/4	WIRE , ELECTRICAL	54
50	267	LF	81349	TYPEE16AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	54
51	9	LF	81349	TYPEE12AWGGRN	MIL-W-16878/4	WIRE, ELECTRICAL	54
52	REF			DELETE	DELETED ITEM		
53	26	LF	81349	TYPEE20AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	54
54	REF			DELETE	DELETED ITEM		
55	113	LF	81349	TYPEE20AWGWHT	MIL-W-16878/4	WIRE , ELECTRICAL	54
56	6	LF	81349	TYPEE20AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	54
57	31	LF	81349	TYPEE22AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	54
58	REF			DELETE	DELETED ITEM		
59	31	LF	81349	TYPEE22AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	54
60	REF			DELETE	DELETED ITEM		
61	6	LF	81349	TYPEE22AWGWHT	MIL-W-16878/4	WIRE, ELECTRICAL	54
62	REF			DELETE	DELETED ITEM		
63	68	IN	81349	CL1-.187IDRED	MIL-I-23053/5	INSULATION SLVG	25
64	96	IN	81349	CL1-.250IDRED	MIL-I-23053/5	INSULATION SLVG	25
65	33	LF	81349	CL1-.375IDRED	MIL-I-23053/5	INSULATION SLVG	54
66	126	IN	81349	CL1-.500IDRED	MIL-I-23053/5	INSULATION SLVG	25
67	REF			DELETE	DELETED ITEM		
68	9	LF	81349	CL1-.093IDYEL	MIL-I-23053/5	INSULATION SLVG	28
69	19	LF	81349	CL1-.250IDVIO	MIL-I-23053/5	INSULATION SLVG	28
71	REF			DELETE	DELETED ITEM		
72	36	LF	81349	CL1-.125IDYEL	MIL-I-23053/5	INSULATION SLVG	28

**Table 5-12. Communications Interface Shelter, Power Redundant  
Cable Run List Associated Parts List - Continued**

<u>PARTS LIST</u>		WRL-PWR, CI SHLT		PLSMB817043		PL REV -P	
ASSEMBLY PART NUMBER SMB817043							SHEET 5
<u>FIND NO.</u>	<u>QTY REQD</u>	<u>UNIT MEAS</u>	<u>FSCM</u>	<u>PART OR IDENTIFYING NO.</u>	<u>SPECIFICATION</u>	<u>NOMENCLATURE OR DESCRIPTION</u>	<u>NOTE NO.</u>
73	13	IN	81349	CL1-.187IDYEL	MIL-I-23053/5	INSULATION SLVG	5
74	51	IN	81349	CL1-.250IDYEL	MIL-I-23053/5	INSULATION SLVG	5
75	14	LF	81349	CL1-.375IDYEL	MIL-I-23053/5	INSULATION SLVG	28
76	10	LF	81349	CL1-.500IDYEL	MIL-I-23053/5	INSULATION SLVG	28
77	3	LF	81349	CL1-.750IDYEL	MIL-I-23053/5	INSULATION SLVG	28
78	3	LF	81349	CL1-1.00IDYEL	MIL-I-23053/5	INSULATION SLVG	28
79	12	IN	81349	CL1-.063IDRED	MIL-I-23053/5	INSULATION SLVG	25
80	76	IN	81349	CL1-.250IDBLK	MIL-I-23053/5	INSULATION SLVG	25
81	211	IN	81349	CL1-.375IDBLK	MIL-I-23053/5	INSULATION SLVG	25
82	60	IN	81349	CL1-.500IDBLK	MIL-I-23053/5	INSULATION SLYG	5
83	44	LF	81349	EC20UO-9SF	MIL-C-55021/2	CABLE, SPCL PRP	54
84	247	IN	81349	CL1-.063IDYEL	MIL-I-23053/5	INSULATION SLVG	5
85	136	IN	81349	CL1-.375IDVIO	MIL-I-23053/5	INSULATION SLVG	25
86	REF			DELETE		DELETED ITEM	
87	REF			DELETE		DELETED ITEM	
88	9	LF	81349	EC16UO-9SF	MIL-C-55021/2	CABLE, SPCL PRP	54
89	3		96906	MS27488-16		PLUG, GROM SEG	
90	REF		96906	MHS3193-16-16A	MIL-C-39029/32	CONTACT, SOCKET	
91	1		96906	MS3476L16-26P	MIL-C-26482	CONN, PLUG, ELEC	
92	18		96906	MS27488-20		PLUG, GROM SEG	
93	REF		81349	M39029/31-223	MIL-C-39029/31	CONTACT, ELEC	
94	1		96906	MS27467T13B35S	MIL-C-38999	CONN, PLUG, ELEC	
95	26		96906	MS27488-22		PLUG, GROM SEG	
96	REF		81349	M39029/56-348	MIL-C-39029/56	CONTACT, ELEC	

Table 5-12. Communications Interface Shelter, Power Redundant Cable Run List Associated Parts List - Continued

<u>PARTS LIST</u>		WRL-PWR, CI SHLT		PLSMB817043		PL REV -P	
ASSEMBLY PART NUMBER SMB817043							SHEET 6
<u>FIND NO.</u>	<u>QTY REQD</u>	<u>UNIT MEAS</u>	<u>FSCM</u>	<u>PART OR IDENTIFYING NO.</u>	<u>SPECIFICATION</u>	<u>NOMENCLATURE OR DESCRIPTION</u>	<u>NOTE NO.</u>
97	REF		96906	MS90559-5	MIL-C-39029/48	CONTACT, ELEC	
98	REF		96906	MS90559-14	MIL-C-39029/48	CONTACT, ELEC	
99			96906	MS3106F24-12S	MIL-C-5015	CONN, PLUG, ELEC	
100	154		96906	MS25036-101	MIL-T-7928	TERMINAL, LUG	
101	133		96906	MS25036-106	MIL-T-7928	TERMINAL, LUG	
102	63		96906	MS25036-108	MIL-T-7928	TERMINAL, LUG	
103	REF			DELETE		DELETED ITEM	
104	24		96906	MS25036-115	MIL-T-7928	TERMINAL, LUG	
105	139		96906	MS25036-116	MIL-T-7928	TERMINAL, LUG	
106	16		96906	MS25036-120	MIL-T-7928	TERMINAL, LUG	
107	72		96906	MS25036-123	MIL-T-7928	TERMINAL, LUG	
108	14		96906	MS25036-125	MIL-T-7928	TERMINAL, LUG	
109	8		96906	MS25036-126	MIL-T-7928	TERMINAL, LUG	
110	4		96906	MS25036-145	MIL-T-7928	TERMINAL, LUG	
111	8		96906	MS25036-129	MIL-T-7928	TERMINAL, LUG	
112	12		96906	MS25036-136	MIL-T-7928	TERMINAL, LUG	
113	7		96906	MS25036-137	MIL-T-7928	TERMINAL, LUG	
114	17		96906	MS25036-149	MIL-T-7928	TERMINAL, LUG	
115	8		96906	MS25036-150	MIL-T-7928	TERMINAL, LUG	
116	33		96906	MS25036-153	MIL-T-7928	TERMINAL, LUG	
117	22		96906	M325036-154	MIL-T-7928	TERMINAL, LUG	
118	REF			DELETE		DELETED ITEM	
119	9		96906	MS25036-157	MIL-T-7928	TERMINAL, LUG	
120	4		96906	MS25036-119	MIL-T-7928	TERMINAL, LUG	

**Table 5-12. Communications Interface Shelter, Power Redundant  
Cable Run List Associated Parts List - Continued**

<u>PARTS LIST</u>		WRL-PWR, CI SHLT		PLSMB817043		PL REV -P	
ASSEMBLY PART NUMBER SMB817043							SHEET 7
<u>FIND NO.</u>	<u>QTY REQD</u>	<u>UNIT MEAS</u>	<u>FSCM</u>	<u>PART OR IDENTIFYING NO.</u>	<u>SPECIFICATION</u>	<u>NOMENCLATURE OR DESCRIPTION</u>	<u>NOTE NO.</u>
121	AR	81348		SN60WRMAP2-063D	QQ-S-571	SOLDER, TIN ALLY	
122	AR	81349		TYPEPCL2BLKWAX	MIL-T-713	TWINE, LACING	
123	1	96906		MS3106F20-18P	MIL-C-5015	CONN, PLUG, ELEC	
124	2	96906		MS3106F20-23S	MIL-C-5015	CONN, PLUG, ELEC	
125	1	96906		MS3116F8-4S	MIL-C-26482	CONN, PLUG, ELEC	
126	1	96906		MS3126E12-3S	MIL-C-26482	CONN, PLUG, ELEC	
127	1	96906		MS3126F10-6S	MIL-C-26482	CONN, PLUG, ELEC	
128	3	96906		MS3126F12-3S	MIL-C-26482	CONN, PLUG, ELEC	43
129	REF	96906		MS3193-20-20A	MIL-C-39029/32	CONTACT, SOCKET	
130	40 LF	81349		M5086-2-4-5	MIL-W-5086/2	WIRE, ELECTRICAL	54
131	4 IN	81349		CL1-.750IDBLK	MIL-I-23053/5	INSULATION SLVG	25
132	REF			DELETE		DELETED ITEM	
133	7	96906		MS17143-11	MIL-T-7928	TERMINAL, LUG	
134	REF			DELETE		DELETED ITEM	
135	REF			DELETE		DELETED ITEM	
136	2	96906		MS17143-2	MIL-T-7928	TERMINAL, LUG	
137	REF			DELETE		DELETED ITEM	
138	1	96906		MS25036-118	MIL-T-7928	TERMINAL, LUG	
139	6	96906		MS25036-103	MIL-T-7928	TERMINAL, LUG	
140	7	96906		MS25036-112	MIL-T-7928	TERMINAL, LUG	
141	41	96906		MS17143-15	MIL-T-7928	TERMINAL, LUG	
142	16 IN	81349		CL1-.500IDBLU	MIL-I-23053/5	INSULATION SLVG	25
143	REF			DELETE		DELETED ITEM	
144	16 IN	81349		CL1-.500IDGRN	MIL-I-23053/5	INSULATION SLVG	25

**Table 5-12. Communications Interface Shelter, Power Redundant  
Cable Run List Associated Parts List - Continued**

<u>PARTS LIST</u>		WRL-PWR, CI SHLT		PLSMB817043		PL REV -P	
ASSEMBLY PART NUMBER SMB817043							SHEET 8
<u>FIND NO.</u>	<u>QTY REQD</u>	<u>UNIT MEAS</u>	<u>FSCM</u>	<u>PART OR IDENTIFYING NO.</u>	<u>SPECIFICATION</u>	<u>NOMENCLATURE OR DESCRIPTION</u>	<u>NOTE NO.</u>
145	REF			DELETE		DELETED ITEM	
146	10	LF	81349	EC20UO-9U	MIL-C-55021/2	CABLE, SPCL PRP	54
147	2		96906	MS25036-152	MIL-T-7928	TERMINAL, LUG	
148	8	IN	81349	CL1-.375IDBLU	MIL-I-23053/5	INSULATION SLVG	25
149	10	LF	81349	EC24UO-9SF	MIL-C-55021/2	CABLE, SPCL PRP	54
150	56	IN	81349	CL1-.187IDBLK	MIL-I-23053/5	INSULATION SLVG	25
151	8	IN	81349	CL1-.187IDBLU	MIL-I-23053/5	INSULATION SLVG	25
152	20	LF	81349	TYPEE20AWGBLU	MIL-W-16878/4	WIRE, ELECTRICAL	54
153	1		96906	MS25036-110	MIL-T-7928	TERMINAL, LUG	
154	REF		96906	MS90559-6	MIL-C-39029/48	CONTACT, ELEC	
155	8	IN	81349	CL1-.187IDWHT	MIL-I-23053/5	INSULATION SLVG	25
156	64	IN	81349	CL1-.375IDGRN	MIL-I-23053/5	INSULATION SLVG	25
157	15	LF	81349	TPIIICL2AWG5BLU	MIL-I-7444	INSULATION SLVG	54
158	REF			DELETE		DELETED ITEM	
159	90	LF	81349	TPIIICL2-.438IDBLK	MIL-I-7444	INSULATION SLVG	
160	REF			DELETE		DELETED ITEM	
161	1		96906	MS3417-16N	MIL-C-5015	CLAMP, STRAIN RL	
162	1		96906	MS27506B12-2	MIL-C-38999	ADPTR, ELEC CONN	
163	2		96906	MS3106A18-11S	MIL-C-5015	CONN, PLUG, ELEC	
164	2		96906	MS3057-10A	MIL-C-5015	CLAMP, CABLE	
165	2		96906	MS3420-10A	°	ADPTR, CBL CLAMP	
166	2	IN	81349	CL1-1.00IDBLK	MIL-I-23053/5	INSULATION SLVG	
167	3		96906	MS3420-12	°	BUSHING, CABLE	
168	7		96906	MS3420-4	°	ADPTR, CBL CLAMP	





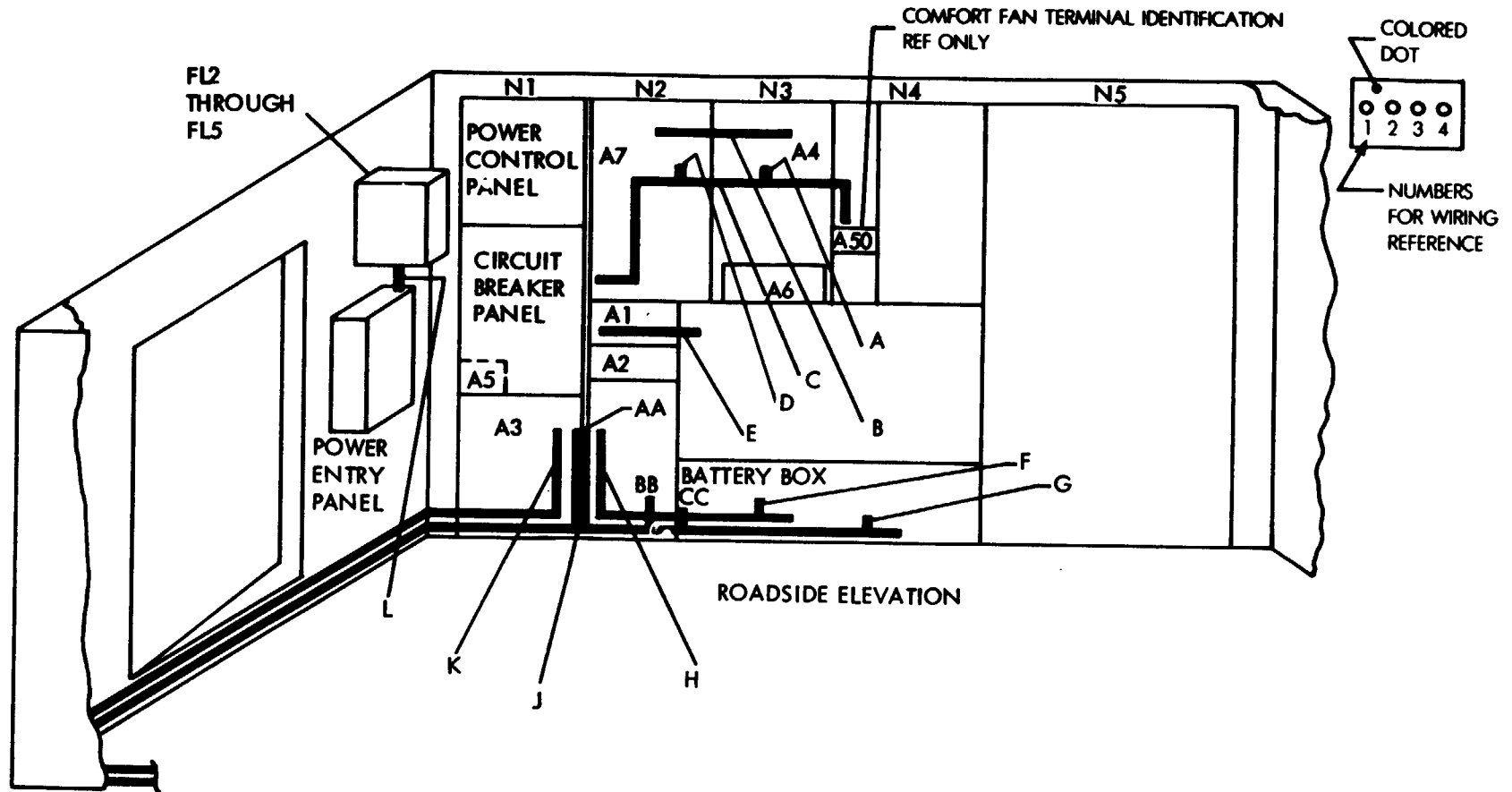


Figure 5-4. Roadside Elevation.

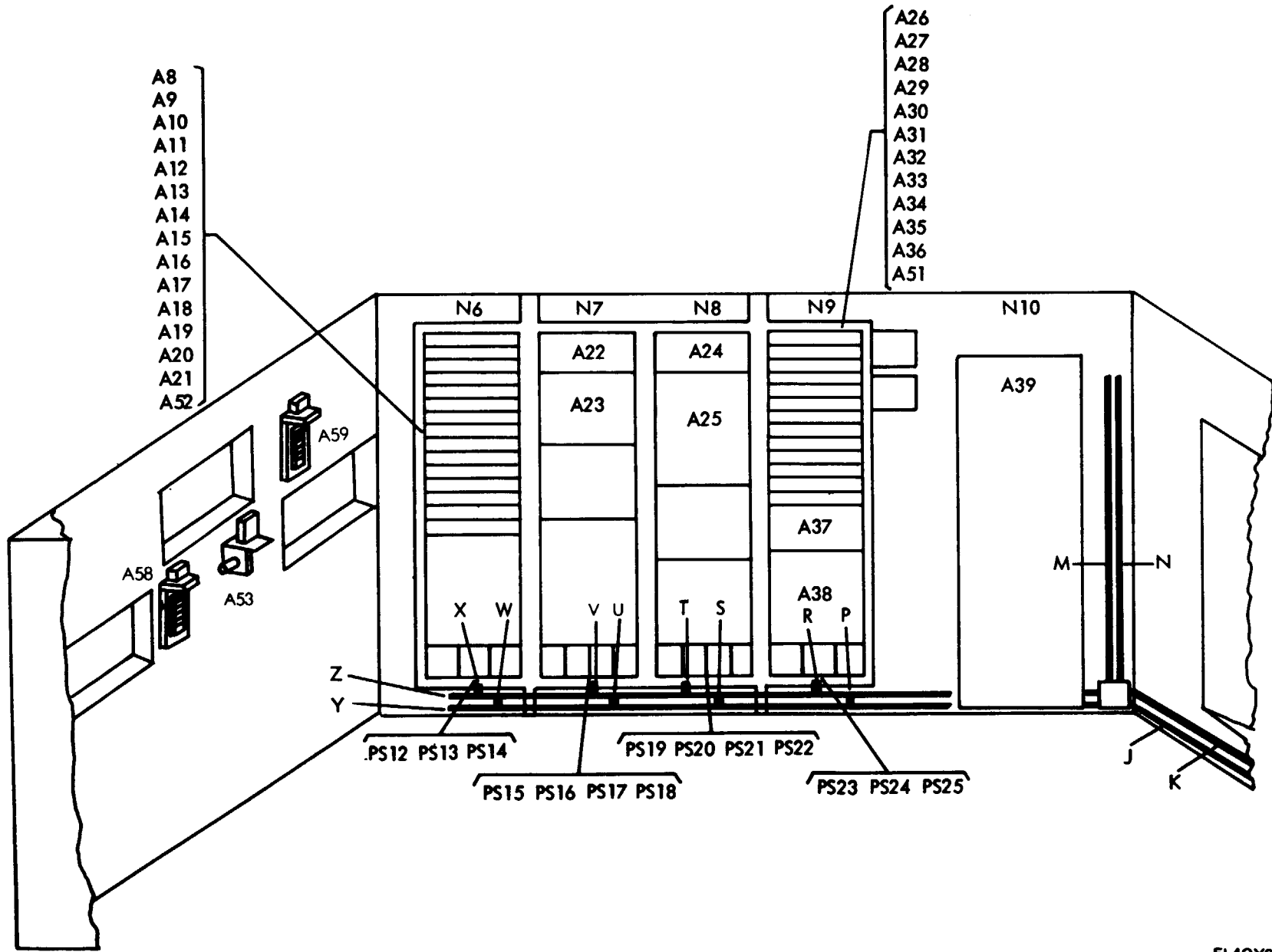
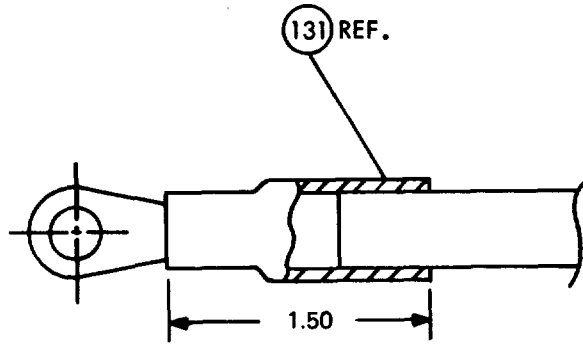
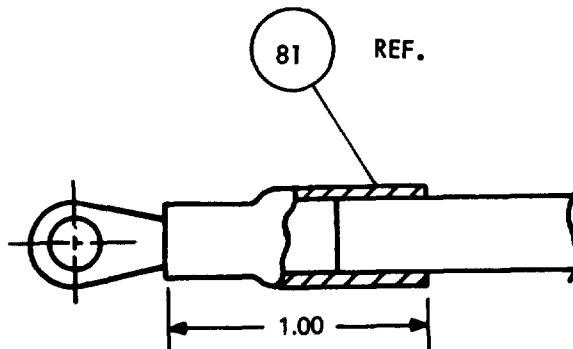


Figure 5-5. Curbside Elevation.  
5-1791-



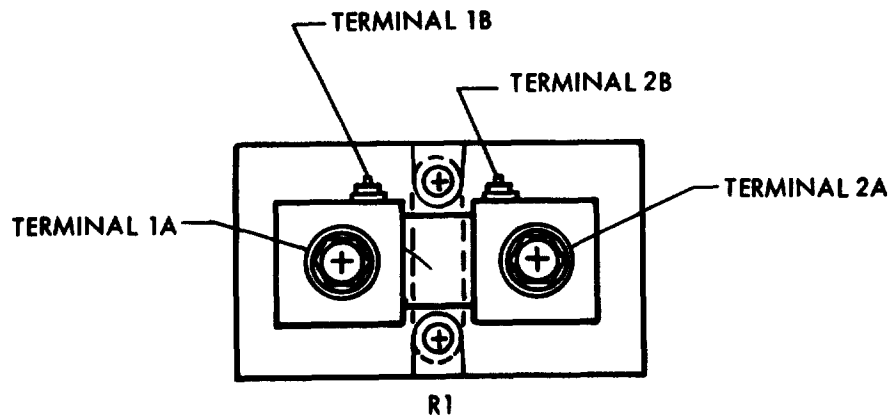
EL4OY069

Figure 5-6. Strain Relief Sleeving.



EL4OY071

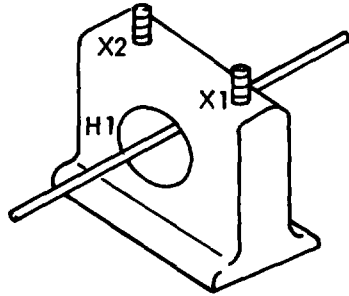
Figure 5-7. Strain Relief Sleeving.



EL4OY072

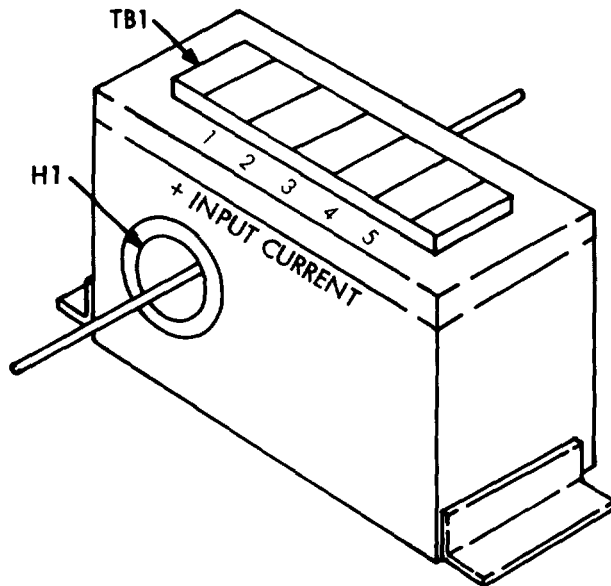
Figure 5-8. Termination Location.

Change 2 5-1792



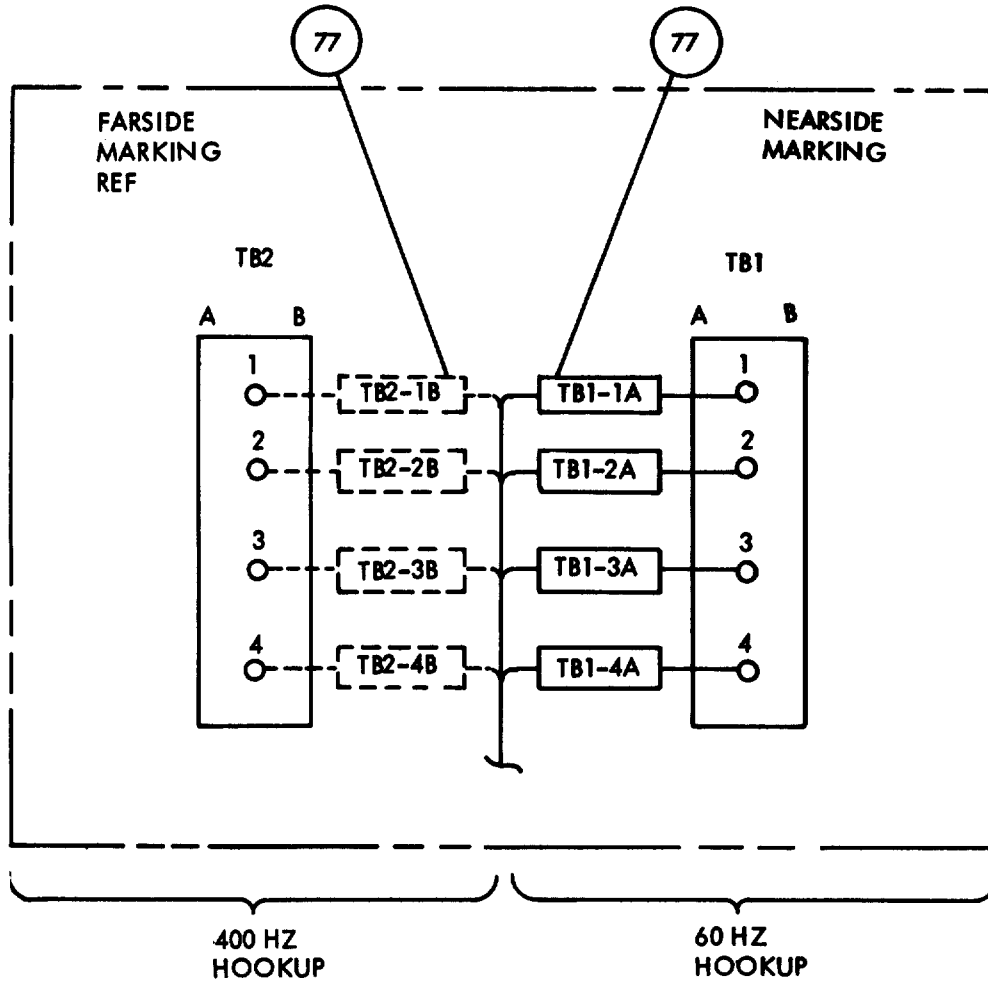
EL4OY073

Figure 5-9. Typical T1, T2, T3 Lead Routing.



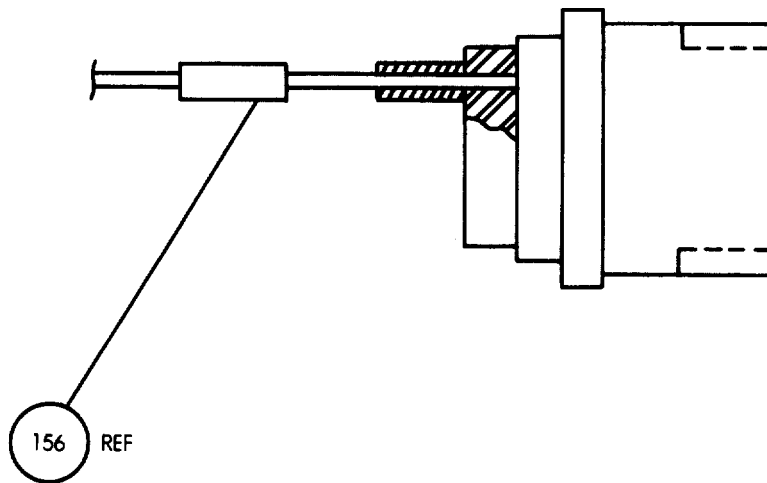
EL4OY074

Figure 5-10. T4 Lead Routing.



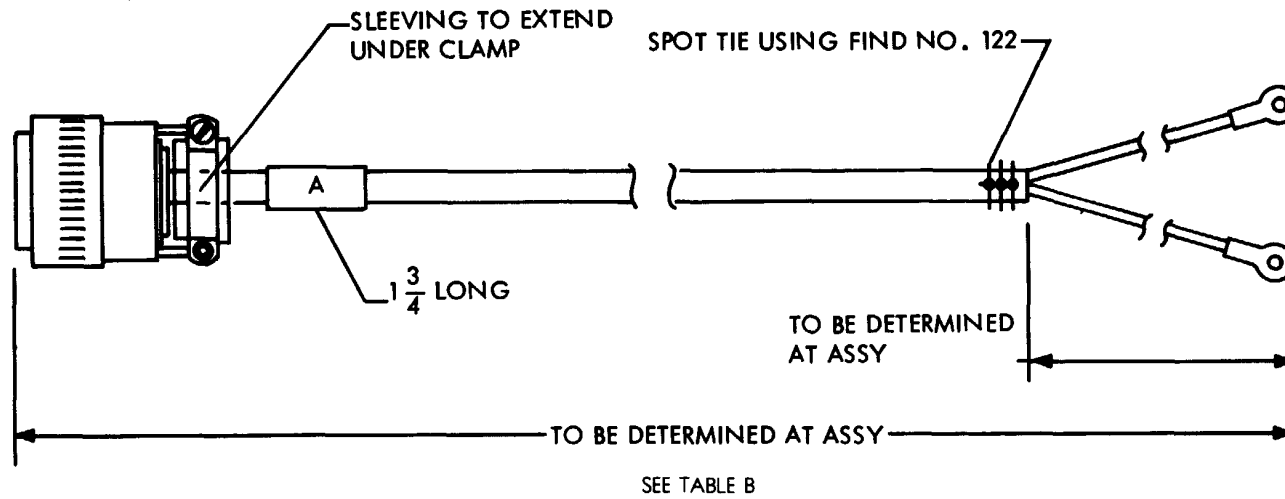
EL40Y075

Figure 5-11. Power Entry Panel\*



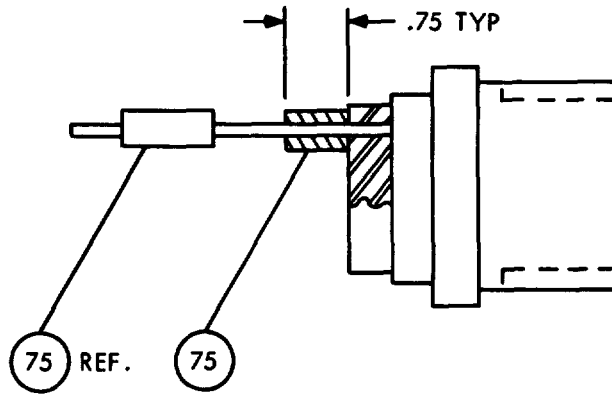
EL8EW011

Figure 5-12. J1 and J2.



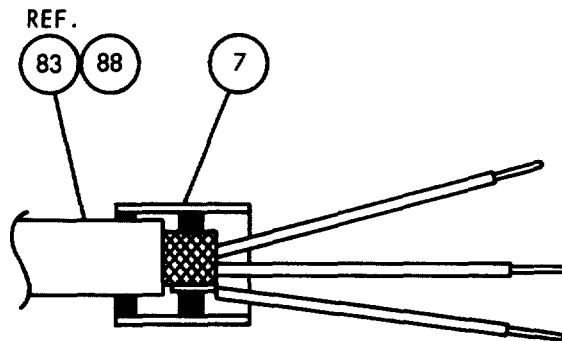
EL4OY077

Figure 5-13. Wires Enclosed in Insulation Sleeving.  
5-1795



EL4OY078

Figure 5-14. J3 and J4 Power Entry Panel.



EL4OY079

Figure 5-15. Shield Termination.



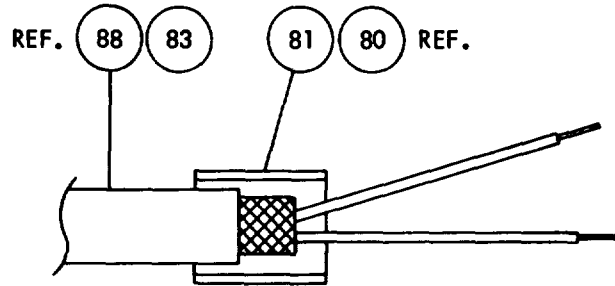
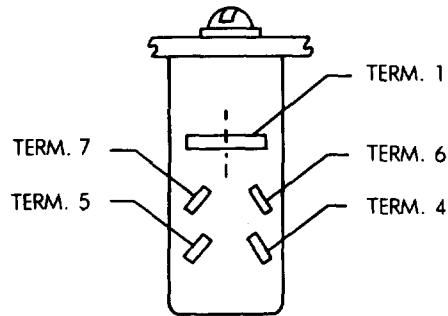


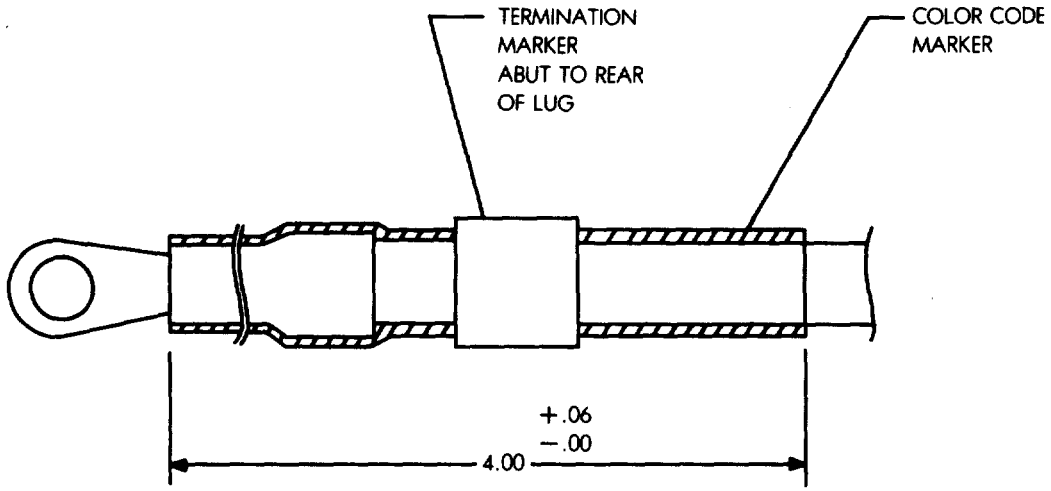
Figure 5-16. Dead Ended Shield.

EL4OY080



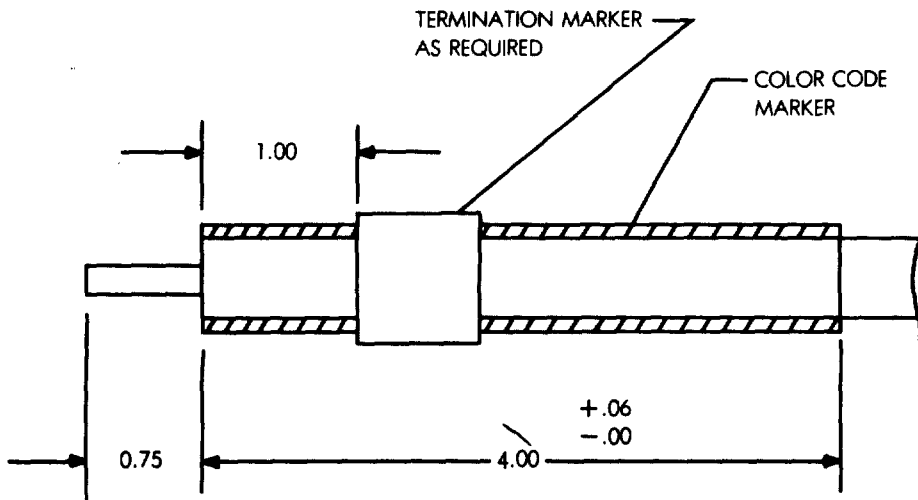
EL4OY081

Figure 5-17. CB11, 12 and 13 Terminal Orientation and Identification,



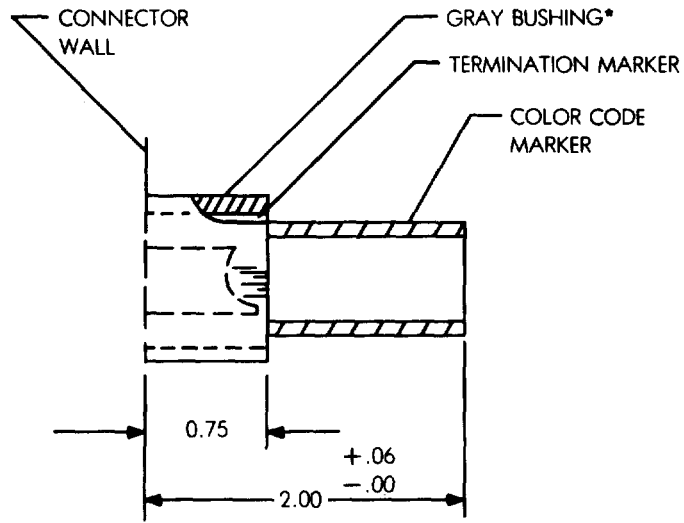
EL8EW012

Figure 5-18. Band Marker Location



EL8EW013

Figure 5-19. Color Code Band Marker.



\* BUSHING NOT USED WITH WIRE, PART NO. SM-A-838551, OR WHEN TERMINATION MARKERS AND COLOR CODED MARKERS ARE REQUIRED.

ELBEW014

Figure 5-20. Band Marker Location.

**Table 5-13. Message Processing Shelter, Power Redundant Cable Run List**

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**NOTES:**

1. Workmanship per MIL-STD-454, Requirement 9, shall be complied with.
2. Solder per MIL-STD-454, Requirement 5, shall be complied with.
3. Partial reference designations are shown. For complete designations, prefix with unit number or assembly or subassembly designations as applicable.
4. Termination marking required. Marking to be the same as indicated in the applicable Location column unless otherwise specified.
5. Quantity in inches. Cut to 3/4-inch lengths, unless otherwise specified.
6. Strip and tin.
7. Quantity in feet.
8. Length of wire shall permit alternate connection to N1TB2. Mark as shown in table C.
9. Cut to fit self-lead.
10. Color coding required. Band marker color per table A, locate marker as shown in figure 5-36.
11. Unless otherwise specified, all wiring to be point to point.
12. Reference designation as shown in To or From Location column not complete; for complete designation prefix with XPS.
13. Critical lead, requires 160 inches of 20 AWG wire for proper resistance (extra length should be coiled).
14. Critical lead, requires 9 feet of 14 AWG wire for proper resistance (extra length should be coiled).
15. Contact (Find No. 129) supplied with Connector P5; use Sealing Plug (Find No. 126); Crimp Tool, M22520/1-01, M22520/2-01 or M22520/7-01; Positioner, M22520/1-02 red, M22520/2-02 or M22520/7-02; Insertion Tool, M81969/14-02; Extraction Tool, Wired Contact, M81969/14-02; Unwired Contact, M81969/30-05.

**Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued**

## NOTES - Continued

16. Contact (Find No. 132) supplied with Connectors P16 through P27, P32, P33 and P34; use Sealing Plug (Find No. 123); Crimp Tool, M22520/1-01; Positioner, M22520/1-02; yel; Installing Tool, M81969/8-09, M81969/14-04; Removal Tool, Wired Contact, M81969/8-10, M81969/14-04; Unwired Contact, M81969/30-07.
17. Contact (Find No. 212) supplied with Connectors P8 through P15; use Sealing Plug (Find No. 206); Crimp Tool, M22520/1-01, M22520/7-01; Positioner, M22520/1-04, blue, M22520/7-04; Installing Tool, 181969/8-07, M81969/14-03; Removal Tool, M81969/8-08, M81969/14-03.
18. Contact (Find No. 215) supplied with Connector P31; use Sealing Plug (Find No. 209); Crimp Tool, M22520/2-01, M22520/7-01; Positioner, M22520/2-07, M22520/7-05; Installing Tool, M81969/14-01, M81969/8-01; Removal Tool, M81969/14-01, M81969/8-02.
19. Refer to table B for connector parts and marking. Mark sleeving in accordance with MIL-M-81531.
20. Color coding required, band marker color per table A. Locate marker as shown in figure 5-35.
21. Deleted.
22. Critical lead; to be routed through hole (H1) in N1/T1.
23. Critical lead; to be routed through hole (H1) in N1/T2.
24. Critical lead; to be routed through hole (H1) in N1/T3.
25. Critical lead; to be routed through hole (H1) in N1/T4.
26. N1 through N12 in Location column for reference only. Not to be part of termination marking.
27. Letter in Group column signifies leads to be grouped and inserted in sleeving. Assemble and mark in accordance with note 4 and figure 5-21.
28. Contact (Find No. 218) supplied with Connectors J1 and J2; contacts to be soldered or crimped to leads. Crimp Tool; Pico 400-B with 414 DA-ON die; Locator, Pico-4297-3; Extraction Tool not necessary; Removal Tool, M81969/27-03.

**Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued**

## NOTES - Continued

29. Contact (Find No. 222) supplied with Connectors J1 and J2; contact to be soldered or crimped to leads. Crimp Tool, 4MS25441, Pico-400-B with 414 DA-6N die; Locator, MS31506L, Pico-4297-6; Extraction Tool not necessary; Removal Tool, H81969/27-06.
30. Entries in Routing column denote specific wiring route. Refer to figures 5-25 and 5-26 for routing path information.
31. Self-leads approximately 10 feet long, to be supplied by shelter manufacturer. Cut to fit.
32. To interpret data contained in this wire run list, see paragraph 5-3.
33. Contact (Find No. 130) supplied with Connectors P3 and P4; use Sealing Plug (Find No. 206); Crimp Tool, M22520/1-01 or M22520/7-01; Positioner, H22520/1-02 blue or M22520/7-03; Installing Tool, M81969/8-07, M81969/14-03; Removal Tool, Wired Contact, M81969/8-08, M81969/14-03; Unwired Contact, M81969/03-06.
34. Install strain relief sleeving (Find No. 78) per figure 5-22.
35. Cut to 2-inch lengths.
36. Install strain relief sleeving (Find No. 77) per figure 5-24.
37. Reference designation as shown in To or From Location column not complete; for complete designation prefix with E36 38. Contact (Find No. 131) supplied with Connector P36; use Sealing Plug (Find No. 126); Crimp Tool, M22520/1-01, M22520/2-01 or M22520/7-01; Positioner, M22520/1-02 red, M22520/2-02 or M22520/7-02; Insertion Tool, MS24256A20; Extraction Tool, MS24256R20.
39. All lead terminals shall extend away from the shunt-thermal block (R1) in a direction parallel to the length of the base. For termination location see figure 5-34.
40. Leads to be stripped, tinned and soldered for the following connectors: J3, J4, P1, P2, P6, P7, P28, P29, P30, P35 and P45.

**Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued**

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## NOTES - Continued

41. Contact (Find No. 219) supplied with Connectors J1 and J2; contacts to be soldered or crimped to leads. Crimp Tool, Pico-400-B with 414 DA-ON die; Locator, Pico-4297-3; Extraction Tool not necessary; Removal Tool, M81969/27-03.
42. Leads to be run external of ac and do ducts.
43. Shield to be terminated per figure 5-28.
44. Shield to be terminated per figure 5-29.
45. Letters in Group column signify lead to be grouped and inserted in sleeving (Find No. 45). See figure 5-27 and refer to table D.
46. Deleted.
47. Color coding shall be solid color. Alternate may be white wire with color band marker in accordance with MIL-STD-681B, and figures 5-35 and 5-37. Alternate construction shall be applicable to wire SM-A-838551 and to M5086 type wire.
48. See figure 5-30.
49. Cut to 1-1/4-inch lengths.
50. A plus symbol before a pin letter (example: J2+A) indicates a lower case letter.
51. Spot tie using Find No. 261.
52. Deleted.
53. Heat shrink into position as shown, see figure 5-32.
54. See figure 5-33.
55. Two wire ends common to one piece of termination hardware. Terminate wire when hardware is called out.

**Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued**

NOTES - Continued

- 56. Letters in Group column (AK) signify leads to be grouped and inserted in sleeving, Find No. 35 and spot tied, see figure 5-23.
- \* 57. See figure 5-31 for pin orientation of CB11, CB12 and CB13.
- 58. Reference designation in Location column incomplete. Prefix with N6.
- 59. When replacing fan, part No. SM-C-813298, use fan, part No. SM-A-838898-1. Existing wiring to be removed and required, see figure 5-25 and table E.
- \* 60. Key letters indicate wiring groups as follows:
  - A. Harness A
  - B. Harness B
  - C. Raceway
  - D. Power entry panel
  - E. Point to point
  - F. Subassembly
  - G. Cable assembly
  - H. TBs to power processor
  - I. Nest bus bars to power processor
  - J. Radiation detector
  - K. Mag tape blower.
- 61. Color coding required. Band marker color per table A. Locate markers as shown in figure 5-37.
- 62. Contacts (MS3193-16-16A; MIL-C-39029/32) supplied with Connector P47; use Sealing Plug (Find No. 206); use Crimp Tool, M22520/1-01 or M22520/7-01; Positioner, M22520/1-02 blue or M22520/7-03; Insertion Tool, M81969/14-03 or M81969/17-04; Extraction Tool, M81969/19-08.
- 63. Wire to be soldered to outside of terminal and color marker sleeving shrunk over soldered terminal.
- 64. Color coding required. Band marker color per table A, locate marker per note 63.



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

Table A - Continued				Table A - Continued			
Location	Slvg Find No.	Band Marker Color	Note	Location	Slvg Find No.	Band Marker Color	Note
N1TB3-4	280	Wht		N1E19	109	Grn	
N1TB3-3	285	Blu		N1W1-2	83	Blk	
N1TB3-2	89	Red		N1M7-NEG	83	Blk	
N1TB3-1	77	Blk		N1CB3-8	83	Blk	
N1FL2-LINE	81	Blk		N1CB15-1	89	Red	
N1TB3-2	91	Red		N1W2-17	89	Red	
N1FL3-LINE	91	Red		N1CB16-1	87	Red	
N1TB3-3	105	Blu		N1XK2-X2	83	Blk	
N1FL4-LINE	105	Blu		N1W1-3	83	Blk	
N1FL2-LOAD	81	Blk		N1S20-2	83	Blk	
N1CB3-1	81	Blk		N1W1-4	83	Blk	
N1FL3-LOAD	91	Red		N1W2-20	87	Red	
N1CB3-3	91	Red		N1M7-POS	87	Red	
N1FL4-LOAD	105	Blu		N1TB6-3A	87	Red	
N1CB3-5	105	Blu		N1S34-3	87	Red	
N1CB6-2	77	Blk		N1TB6-4A	87	Red	
N1PS1TB1-1	77	Blk		N1CB16-2	87	Red	
N1CB7-2	88	Red		N1A24TB2-1	87	Red	
N1PSITB1-2	88	Red		N1A24TB2-2	87	Red	
N1CB8-2	104	Blu		N1S19-3	87	Red	
N1PS1TB1-3	104	Blu		N1S19-2	87	Red	
N1CB14-2	77	Blk		N1CB18-2	87	Red	
N1A24TB1-4	77	Blk		N1TB6-9A	87	Red	
N1CB5-2	78	Blk		N1CB18-1	87	Red	
N1A23TB1-L1	78	Blk		N1W2-20	87	Red	
N1CB5-4	90	Red		N1CB19-2	90	Red	
N1A23TB1-L2	90	Red		N1TB8-10A	90	Red	
N1CB5-6	106	Blu		N1CB20-2	90	Red	
N1A23TB1-L3	106	Blu		N1TB8-11A	90	Red	
N1CB17-2	77	Blk		N1CB21-2	90	Red	
N1PS30TB1-1	77	Blk		N1TB8-12A	90	Red	
N1E18	109	Grn		N1CB19-1	90	Red	
N1E20	109	Grn		N1W2-18	90	Red	

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

Table A - Continued				Table A - Continued			
Location	Slvg Find No.	Band Marker Color	Note	Location	Slvg Find No.	Band Marker Color	Note
N1CB20-1	90	Red		N1W2-15	89	Red	
N1CB21-1	90	Red		N1W2-16	89	Red	
N1CB22-1	89	Red		N1CB22-2	89	Red	
N1CB23-1	89	Red		N1CB23-2	89	Red	
N1CB24-1	89	Red		N1CB24-2	89	Red	
N1CB26-1	89	Red		N1TB7-1	89	Red	
N1W2-7	90	Red		N1TB7-2	89	Red	
NIW2-3	89	Red		N1TB7-3	89	Red	
N1W2-4	89	Red		N1CB25-2	90	Red	
N1W2-13	89	Red		NITB9-4	90	Red	
N1CB25-1	90	Red		N1CB29-2	90	Red	
N1W2-23	90	Red		N1TB9-6	90	Red	
N1CB27-1	89	Red		M1CB26-2	89	Red	
N1CB28-1	89	Red		N1CB27-2	89	Red	
N1CB29-1	90	Red		N1CB28-2	89	Red	
N1CB30-1	89	Red		N1CB30-2	89	Red	
N1CB31-1	89	Red		N1CB31-2	89	Red	
N1CB32-1	89	Red		N1CB32-2	89	Red	
N1CB33-1	89	Red		N1TB7-5	89	Red	
N1W2-13	89	Red		N1TB7-6	89	Red	
N1W2-14	89	Red		N1TB7-7	89	Red	
N1W2-5	89	Red		N1TB7-9	89	Red	
NIW2-6	89	Red		N1TB7-10	89	Red	
N1CB34-1	90	Red		N1TB7-11	89	Red	
NIW2-1	90	Red		N1CB33-2	89	Red	
N1CB35-1	88	Red		N1TB7-12	89	Red	
N1CB36-1	89	Red		N1CB35-2	88	Red	
N1W2-8	88	Red		N1CB36-2	89	Red	
N1CB37-1	88	Red		NITB8-1A	88	Red	
NICB38-1	89	Red		N1TBS-2A	88	Red	
NICB39-1	89	Red		N1CB37-2	88	Red	
NICB40-1	89	Red		N1CB38-2	89	Red	
N1W2	89	Red		N1CB39-2	89		

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

Table A - Continued				Table A - Continued			
Location	Slvg Find No.	Band Marker Color	Note	Location	Slvg Find No.	Band Marker Color	Note
N1CB40-2	89	Red		N1CB5-8	77	Blk	
N1TB8-3A	89	Red		N1TB5-5A	77	Blk	
N1TB8-4A	89	Red		N1TB5-6A	92	Gra	
N1TB8-5A	89	Red		N1XDS15-POS	92	Gra	
N1TB8-6A	89	Red		N1XDS15-NEG	92	Gra	
N1TB8-7A	89	Red		N1TB5-7A	92	Gra	
N1CB41-2	89	Red		N1TB5-8A	92	Gra	
N1CB34-2	90	Red		N1XDS17-POS	92	Gra	
N1TB9-1	90	Red		NIXDS17-NEG	92	Gra	
N1CB42-2	91	Red		N1TB5-9A	92	Gra	
N1CB43-2	91	Red		N6A16W1-4	77	Blk	
N1TB9-2	91	Red		N6A16W2-8	77	Blk	
N1TB9-3	91	Red		N1W2-21	90	Red	
N1XK2-A2	83	Blk		N1FL1-1	87	Red	
N1XK2-B2	83	Blk		N1CB3-9	87	Red	
N1W1-37	83	Blk		XPS6P1-A1	89	Red	58
N6A16W1-1	90	Red		XPS6P1-A2	79	Blk	58
N6A16W1-3	78	Blk		XPS6P1-A3	112	Grn	58
N6A16W2-7	88	Red		XPS6P1-A4	89	Red	58
N6A16W2-3	108	Vio		XPS6P1-A5	107	Vio	58
N6A16W2-2	108	Vio		XPS6P1-A6	79	Blk	58
N6A16W2-8	77	Blk		XPS6P1-A7	79	Blk	58
N1CB15-2	89	Red		XPS7P1-A1	89	Red	58
N1TB8-8A	89	Red		XPS7P1-A2	79	Blk	58
N1E25CR7-A	87	Red		XPS7P1-A3	112	Grn	58
N1TB6-13B	87	Red		XPS7P1-A4	89	Red	58
N1XK1-B2	87	Red		XPS7P1-A5	107	Vio	58
N1CB41-1	89	Red		XPS7P1-A6	79	Blk	58
N1W2-16	89	Red		XPS7P1-A7	79	Blk	58
N1CB42-1	90	Red		XPS8P1-A1	89	Red	58
N1W2-2	90	Red		XPS8P1-A2	79	Blk	58
N1CB43-1	90	Red		XPS8P1-A3	112	Grn	58
N1W2-12	90	Red		XPS8P1-A4	89	Red	58

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

Table A - Continued				Table A - Continued			
Location	Slvg Find No.	Band Marker Color	Note	Location	Slvg Find No.	Band Marker Color	Note
XPS8P1-A5	107	Vio	58	P45-T	86	Red	58
XPS8P1-A6	79	Blk	58	P47-A	87	Red	58
XPS8P1-A7	79	Blk	58	P47-B	83	Blk	58
E36-E9A	90	Red	58	N2TB15-1B	90	Red	
E36-E10A	78	Blk	58	N2TB15-3	78	Blk	
E36TB3-14A	108	Vio	58	N2TB34-1B	90	Red	
E36TB3-12A	108	Vio	58	N2TB34-3B	78	Blk	
E36TB3-13A	88	Red	58	E36-E1B	89	Red	58
E36TB3-10A	77	Blk	58	E36-E3B	79	Blk	58
XPS9P1-A1	89	Red	58	E36-E11B	112	Grn	58
XPS9P1-A2	79	Blk	58	E36-TB3-11B	89	Red	58
XPS9P1-A3	112	Grn	58	E36-TB3-12B	107	Vio	58
XPS9P1-A4	89	Red	58	E36-TB3-7B	79	Blk	58
XPS9P1-A5	107	Vio	58	E36-TB3-7B	79	Blk	58
XPS9P1-A6	79	Blk	58	E36-E2B	89	Red	58
XPS9P1-A7	79	Blk	58	E36-E4B	79	Blk	58
XPS10P1-A1	89	Red	58	E36-E11B	112	Grn	58
XPS10P1-A2	79	Blk	58	E36-TB3-11B	89	Red	58
XPS10P1-A3	89	Red	58	E36-TB3-12B	107	Vio	58
XPS10P1-A4	89	Red	58	E36-TB3-8B	79	Blk	58
XPS10P1-A5	89	Red	58	E36-TB3-8B	79	Blk	58
XPS10P1-A6	79	Blk	58	E36-E2B	89	Red	58
XPS10P1-A7	79	Blk	58	E36-E4B	79	Blk	58
XPS11P1-A1	89	Red	58	E36-E11B	112	Grn	58
XPS11P1-A2	79	Blk	58	E36-TB3-13B	89	Red	58
XPS11P1-A3	89	Red	58	E36-TB3-14B	107	Vio	58
XPS11P1-A4	89	Red	58	E36-TB3-9B	79	Blk	58
XPS11P1-A5	89	Red	58	E36-TB3-9B	79	Blk	58
XPS11P1-A6	79	Blk	58	E36-E2B	89	Red	58
XPS11P1-A7	79	Blk	58	E36-E4B	79	Blk	58
E36-E1A	88	Red	58	E36-E11B	112	Grn	58
E36-E1A	88	Red	58	E36-TB3-13B	89	Red	58
P45-S	86	Red	58	E36-TB3-14B	107	Vio	58

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

Table A - Continued				Table A - Continued			
Location	Slvg Find No.	Band Marker Color	Note	Location	Slvg Find No.	Band Marker Color	Note
E36-TB3-10B	79	Blk	58				
E36-TB3-10B	79	Blk	58				
E36-E1B	89	Red	58				
E36-E3B	79	Blk	58				
E36-E8B	89	Red	58				
E36-E8B	89	Red	58				
E36-E8B	89	Red	58				
E36-E10OB	79	Blk	58				
E36-E10B	79	Blk	58				
E36-E1B	89	Red	58				
E36-E3B	79	Blk	58				
E36-E9B	89	Red	58				
E36-E9B	89	Red	58				
E36-E9B	89	Red	58				
E36-E10B	79	Blk	58				
E36-E10B	79	Blk	58				
E36-E9A	90	Red	58				
A56W1-1	90	Red	58				
E36-E10A	78	Blk	58				
A56W1-3	78	Blk	58				
E36-TB3-14A	108	Vio	58				
A56W2-2	108	Vio	58				
E36-TB3-12A	108	Vio	58				
A56W2-3	108	Vio	58				
E36-TB3-13A	88	Red	58				
A56W2-7	88	Red	58				
E36-TB3-10A	77	Blk	58				
A56W2-8	77	Blk	58				
A56E9	112	Grn	58				
E38	112	Grn	58				
E36-TB3-1A	87	Red	58				
E36-TB3-2A	83	Blk	58				

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List- - Continued

TABLE B								
Group	Conn Find No.	A		Sleeving			Destination (Ref)	Note
		Marker	Find No.	Dim A	Find No.	Note		
A	117, 270	P1(PS2J2)	100	32.00	31		N2TB33	40
B	117, 270	P2(PS3J2)	100	32.00	31		N2TB32	40
C	139, 142 268	P93(A4J1)	99	35.00	35		N11TB23	33
D	139, 142 268	P4(A7J1)	99	35.00	35		N12TB24	33
E	143, 144 268, 270	P5(A23J3) Alarm Wiring	100	-	-	51	Control and	15
F	114, 80	P6(PS2J1)	102	28.00	47		N27B34	40
G	114, 80	P6(PS3J1)	102	28.00	47		N27B15	40
H	199, 200	P8(A2J1)	99	36.00	35		N11TB16	17
I	199, 200	P9(A5J1)	99	36.00	35		N11TB16	17
J	199, 200	P10(A27J1)	99	36.00	35		N11TB16	17
K	199, 200	P11(A29J1)	99	36.00	35		N11TB16	17
L	199, 200	P12(A3J1)	99	36.00	35		N12TB17	17
M	199, 200	P13(A6J1)	99	36.00	35		N12TB17	17
N	199, 200	P14(A28J1)	99	36.00	35		N12TB17	17
O	199, 200	P15(A30J1)	99	36.00	35		N12TB17	17
P	146, 147, 271	P16(A1J59)	100	-	-	51	N10W22, TB25	16
Q	146, 147, 271	P17(A1J60)	100	-	-	51	N10W22, TB25	16
R	146, 147, 271	P18(A1J58)	100	-	-	51	N10W22, TB25	16
S	146, 147, 271	P19(A1J55)	100	-	-	51	N10W22, TB25	16
T	146, 147, 271	P20(A1J65)	100	-	-	51	N10W22, TB25	16
U	146, 147, 271	P21(A1J66)	100	-	-	51	N10W22, TB25	16
V	146, 147, 271	P22(A1J64)	100	-	-	51	N10W23, TB25	16
W	146, 147, 271	P23(A1J61)	100	-	-	51	N10W23, TB25	16
X	146, 147, 271	P24(A1J56)	100	-	-	51	N10W23, TB25	16
Y	146, 147, 271	P25(A1J57)	100	-	-	51	N10W23, TB25	16
Z	146, 147, 271	P26(A1J62)	100	-	-	51	N10W23, TB25	16
AA	146, 147, 271	P27(A1J63)	100	-	-	51	N10W23, TB25	16
AB	120	P28(A10J4)	99	22.00	35		N2TB26	40
AC	120	P29(A12J4)	99	22.00	35		N3TB27	40
AD	120	P30(A15J4)	99	22.00	39		N5TB28	40
AE	199, 203	P31(A17J2)	97	43.00	39		N1TB21	18

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

Group	Conn Find No.	Table B - Continued					Destination (Ref.)	Note
		A		Sleeving				
		Marker	Find No.	Dim A	Find No.	Note		
AF	147, 146, 271	P32(A8J2)	101	34.00	46		N4TB29	16
AG	147, 146, 271	P33(A11J2)	101	34.00	46		N12TB31	16
AH	147, 146, 271	P34(A14J2)	107	34.00	46		N6TB30	16
AI	119	P35(J93)	97	24.00	39		N1TB5&W3	40
AJ	121	P36(A31J1)	97	18.00	35		A58TB1	38
AP	118, 271	P45(A33J1)	100	-	-	51	N6E36	40
AR	282	P47(A63J1)	99	168.00	283	51	N6E36TB3	62

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

Table C				
Two-Position Wire Marker				
Location	Slvg Find No.	Mark		Note
		Near Side	Far Side	
N1TB1-1A	101	TB1-1A	TB2-1B	8
N1TB1-2A	101	TB1-2A	TB2-2B	8
N1TB1-3A	101	TB1-3A	TB2-3B	8
N1TB1-4A	101	TB1-4A	TB2-4B	8

Table D				
Group	Marker A	Sleeving	Marker B	Note
		Dim A		
AN	A16TB1/2	264.00 in.	TB41	
AO	A16TB1	123.00 in.	A58TB1	

Table E										
Wire Find No.	Lug Find No.	Slvg Find No.	From			To			Slvg Find No.	Lug Find No.
			Note	Location	Marking	Location	Marking	Note		
68	279	94	2, 4	N3A26-1	A26-1	N3TB13-1	TB13-1	4	94	150
54	279	94	2, 4	N3A26-2	A26-2	N3E60		2		
54	279	94	2, 4	N3A26-3	A26-3	N3E61		2		
55	279	94	2, 4	N3A26-4	A26-4	N3TB13-2	TB13-2	4	94	150



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0001					
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO			S	FIND	GP	FUNCTION		
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV				
			KCD	KSQ	3	4	5	MARKING	S	STP	FND	LENGTH	3	4	5	MARKING	S	STP	FND	SC	FUNCTION
									H	FER							H	FER			
084	05	1	63	RED		4		A58TB1-1B		153	96	D		4	60	N1TB6-3B		153	96		+28VDC
084	05	2	C							0.00		266.0	30					0.00			
089	01	1	65	RED		4	38	P36-A			95			4	27	A58TB1-1A		150	95	AJ	+28VDC
089	01	2	G		60	19		A		0.00		23.0						0.00			
089	03	1	60	BLK		4	38	P36-B			95			4	27	A58TB1-2A		150	95	AJ	DCRTN
089	03	2	G		60	19		B		0.00		23.0						0.00			
089	05	1	11	WHT		4	38	P36-C			95			4	27	A58TB1-3A		150	95	AJ	AIRFLOW
089	05	2	G		60	19		C		0.00		22.0						0.00			
089	06	1		BLK		4	38	P36-D			95			4	27	A58TB1-4A		150	95	AJ	AIRFLOW
089	06	2	G		60	19	53	D		0.00		22.0	54					0.00			
048	13	1	6	WHT		4	14	R1-1B		190	98			4	36	N1S18-26		153	98		LOAD
048	13	2	A		36	39	60			0.00		0.0						0.00			
049	01	1	6	WHT		4	14	R1-2B		190	98			4	36	N1S18-16		153	98		LOAD
049	01	2	A		36	39	60			0.00		0.0						0.00			
040	13	1	19	RED		4	60	N1A23E2		180	102			4		N1CB13-1		181	102		+28VDC
040	13	2	E							0.00		17.0						0.00			
040	11	1	17	BLK		4	60	N1A23E4		180	102			4		N1W1-40		180	102		DCRTN
040	11	2	E							0.00		22.0						0.00			
039	09	1	247	GRN		4	60	N1A23E5		163	99			4		N1E17		163	99		GND
039	09	2	E							0.00		15.0						0.00			
031	05	1	3	WHT		4	20	N1A23TB1-L1		163	99			4		N1CB5-2		162	99		PHASE A
031	05	2	A							0.00		0.0	20	60				0.00			

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0002			
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					GP	FUNCTION
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV	GP	FUNCTION
			KCD	KSQ		1 2	MARKING	S	STP	FND	LENGTH		1 2	MARKING	S	STP	FND	SC	FUNCTION
					3	4 5		H		FER		3	4 5		H		FER		
031	07	1	3	WHT		4 20	N1A23TB1-L2		163	99			4 20	N1CB5-4		162	99		PHASE B
031	07	2	A						0.00		0.0	60				0.00			
031	09	1	3	WHT		4 20	N1A23TB1-L3		163	99			4 20	N1CB5-6		162	99		PHASE C
031	09	2	A						0.00		0.0	60				0.00			
046	07	1	6	WHT		4 36	N1A23TB2-1		153	99			4 36	N1S18-25		153	99		CHARGER
046	07	2	A		60				0.00		0.0					0.00			
046	09	1	6	WHT		4 36	N1A23TB2-2		153	99			4 36	N1S18-15		153	99		CHARGER
046	09	2	A		60				0.00		0.0					0.00			
039	11	1	66	GRN		4 60	N1A24E2		155	96			4	N1E1		274	96		GND
039	11	2	E						0.00		15.0					0.00			
090	07	1		BLK		4	N1A24TB1-1		153	96			31 60	N1TB18-7					400HZ
090	07	2	E						0.00		94.0					0.00			
090	03	1		BLK		4	N1A24TB1-3		153	96			31 60	N1TB18-5					50/60HZPHA
090	03	2	E						0.00		94.0					0.00			
029	11	1	6	WHT		4 20	N1A24TB1-4		153	98			4 20	N1CB14-2		155	98		115VAC LT
029	11	2	A						0.00		0.0	60				0.00			
090	05	1		WHT		4	N1A24TB1-5		153	96			31 60	N1TB18-6					NEUTRAL
090	05	2	E						0.00		94.0					0.00			
034	03	1	50	WHT		4 60	N1A24TB1-5		153	96			4 36	N1W3-8		155	96		NEUTRAL
034	03	2	A						0.00		0.0					0.00			
049	07	1	7	WHT		4 20	N1A24TB2-1		153	97			4 20	N1CB16-2		155	97		+28VDC
049	07	2	A						0.00		0.0	60				0.00			

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0003			
SHT	LN	C	WI	CLR	FROM					TO					S	FIND	GP	FUNCTION	
			FND		KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION		
			KCD	KSQ		1 2	MARKING	H	LUG	SLV		1 2	MARKING	H	LUG	SLV	FUNCTION		
					3	4	5	S	STP	FND	LENGTH	3	4	5	S	STP	FND	SC	FUNCTION
								H		FER				H		FER			
049	13	1	7	WHT		4	20	N1A24TB2-1	153	97		4	20	N1S19-3	153	97			28VDC
049	13	2	A		60				0.00		0.0				0.00				
050	01	1	7	WHT		4	20	N1A24TB2-2	153	97		4	20	N1S19-2	153	97			28VDC
050	01	2	A		60				0.00		0.0				0.00				
050	09	1		WHT		4	31	N1A24TB2-2	153	96			N1TB18-1B						DS2-1
050	09	2	E		60				0.00		23.0				0.00				
050	11	1		WHT		4	31	N1A24TB2-3	153	96			N1TB18-2B						DS2-2
050	11	2	E		60				0.00		23.0				0.00				
049	09	1	54	WHT		4		N1A24TB2-4	150	94		60	N1S21-16						BOBP
049	09	2	A						0.00		0.0				0.00				
051	03	1		WHT		4	31	N1A24TB2-4	153	96			N1S22A-NO						INT
051	03	2	E		60				0.00		23.0				0.00				
050	13	1		WHT		4	31	N1A24TB2-5	153	96			N1TB18-3B						DS3-1
050	13	2	E		60				0.00		23.0				0.00				
049	11	1	54	WHT		4		N1A24TB2-6	150	94		60	N1S21-14						BOBP
049	11	2	A						0.00		0.0				0.00				
051	05	1		WHT		4	31	N1A24TB2-6	153	96			N1S22A-C						INT
051	05	2	E		60				0.00		23.0				0.00				
050	03	1	7	WHT		4	60	N1A24TB2-7	153	97		4	20	N1S20-3	153	97			
050	03	2	A						0.00		0.0				0.00				
051	01	1		WHT		4	31	N1A24TB2-8	153	96			N1TB18-4B						DS3-2
051	01	2	E		60				0.00		23.0				0.00				

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0004		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
050	05	1	63	RED	4	60	N1A24TB2-9	153	96				4	N1TB6-13A	153	96	+24V	
050	05	2	A					0.00					0.00					
021	01	1	234	BLK	4	60	N1CB1-1	170	100				4	N1CB2-1	170	100	PHASE A	
021	01	2	D					0.00		13.0			0.00					
021	03	1	234	BLK	4	60	N1CB1-1	170	100				4	N1TB3-1	170	100	PHASE A	
021	03	2	D					0.00		17.5			0.00					
021	05	1	244	BLK	4	60	N1CB1-2	162	99				4	40	N1J3-A		99	PHASE A
021	05	2	D					0.00		8.0	48		0.00					
021	07	1	236	RED	4	60	N1CB1-3	170	100				4	N1CB2-3	170	100	PHASE B	
021	07	2	D					0.00		13.5			0.00					
021	09	1	236	RED	4	60	N1CB1-3	170	100				4	N1TB3-2	170	100	PHASE B	
021	09	2	D					0.00		13.0			0.00					
021	11	1	246	RED	4	60	N1CB1-4	162	99				4	40	N1J3-B		99	PHASE B
021	11	2	D					0.00		8.0	48		0.00					
021	13	1	237	BLU	4	60	N1CB1-5	170	100				4	N1CB2-5	170	100	PHASE C	
021	13	2	D					0.00		13.0			0.00					
022	01	1	237	BLU	4	60	N1CB1-5	170	100				4	N1TB3-3	170	100	PHASE C	
022	01	2	D					0.00		14.0			0.00					
022	03	1	248	BLU	4	60	N1CB1-6	162	99				4	40	N1J3-C		99	PHASE C
022	03	2	D					0.00		8.0	48		0.00					
022	05	1	63	RED	4	60	N1CB1-7	155	97				4	N1CB2-7	155	97	ECU TRIP	
022	05	2	D					0.00		13.0			0.00					

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0005							
SHT	LN	C	FROM .....										TO .....										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION									
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV										
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION									
			3 4 5		H		FER	3 4 5		H		FER											
022	07	1	63	RED				4	60	N1CB1-7		155	97										
022	07	2	D									0.00		7.0		4	N1FL1-3		190	97	ECU TRIP		
022	09	1	58	BLK				4	60	N1CB1-8		155	97										
022	09	2	D									0.00		7.0		4	N1CB2-8		155	97	DCRTN		
040	13	1	19	RED				4		N1CB13-1		181	102			4	60	N1A23E2		180	102	28VDC	
040	13	2	E									0.00		17.0									
045	11	1	65	RED				4	57	N1CB13-4		186	95					N1E25CR4-A				28VI	
045	11	2	A		60							0.00		0.0									
045	09	1	65	RED				57	4	N1CB13-4		186	95			4	15	N1P5-N			95	E	28VI
045	09	2	A									0.00		0.0	60	19	N			0.00			
046	01	1	65	RED				4	57	N1CB13-5		186	95					N1E25-13					EMPWR
046	01	2	A		60							0.00		0.0									
045	13	1	65	RED				57	4	N1CB13-5		186	95			4	15	N1P5-P			95	E	EMPWR
045	13	2	A									0.00		0.0	60	19	P			0.00			
060	07	1	11	WHT				4	53	N1CB13-6		186	95			4	54	N1TB41-6B		150	95		ALARMS
060	07	2	A						57			0.00		0.0	60					0.00	15		
060	08	1		BLK				4	57	N1CB13-7		186	95			4	60	N1TB41-7B		150	95		ALARMS
060	08	2	A									0.00		0.0						0.00			
030	03	1	244	BLK				4		N1CB14-1		162	99			4	60	N1CB5-1		162	99		PHASE A
030	03	2	E									0.00		19.0						0.00			
029	11	1	6	WHT				4	20	N1CB14-2		155	98			4	20	N1A24TB1-4		153	98		115VAC LT
029	11	2	A		60							0.00		0.0						0.00			

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030					PAGE 0008							
	WI FND KCD	CLR KSQ	FROM					S H S H	FIND			ROUTE LENGTH	TO			S H S H	FIND			GP SC	FUNCTION		
			KY	NOTES		LOCATION MARKING	LUG		SLV FND FER	1	2		3	4	5		1	2	3			4	5
				3	4																		
052 052	01 01	1 2	3 A	WHT		4 60	20	N1CB21-2	162 0.00	100		0.0	4 20	N1TB8-12A	162 0.00	100		+28VDC					
052 052	11 11	1 2	4 A	WHT		4 60	20	N1CB22-1	159 0.00	99		0.0	4 20	N1W2-3	194 0.00	99		+28VDC					
055 055	13 13	1 2	4 A	WHT		4 60	20	N1CB22-2	159 0.00	99		0.0	4 20	N1TB7-1	159 0.00	99		+28VDC					
052 052	13 13	1 2	4 A	WHT		4 60	20	N1CB23-1	159 0.00	99		0.0	4 20	N1W2-3	194 0.00	99		+28VDC					
056 056	01 01	1 2	4 A	WHT		4 60	20	N1CB23-2	159 0.00	99		0.0	4 20	N1TB7-2	159 0.00	99		+28VDC					
053 053	01 01	1 2	4 A	WHT		4 60	20	N1CB24-1	159 0.00	99		0.0	4 20	N1W2-4	194 0.00	99		+28VDC					
056 056	03 03	1 2	4 A	WHT		4 60	20	N1CB24-2	159 0.00	99		0.0	4 20	N1TB7-3	159 0.00	99		+28VDC					
053 053	03 03	1 2	3 A	WHT		4 60	20	N1CB25-1	162 0.00	100		0.0	4 20	N1W2-21	165 0.00	100		+28VDC					
056 056	05 05	1 2	3 A	WHT		4 60	20	N1CB25-2	162 0.00	100		0.0	4 20	N1TB9-4	163 0.00	100		+28VDC					
053 053	05 05	1 2	4 A	WHT		4 60	20	N1CB26-1	159 0.00	99		0.0	4 20	N1W2-13	194 0.00	99		+28VDC					
056 056	07 07	1 2	4 A	WHT		4 60	20	N1CB26-2	159 0.00	99		0.0	4 20	N1TB7-5	159 0.00	99		+28VDC					



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0009			
SHT	LN	C	FROM .....										TO .....						
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION					
			3 4 5		H		FER	3 4 5		H		FER							
053	07	1	4	WHT		4	20	N1CB27-1		159	99		4	20	N1W2-13		194	99	+28VDC
053	07	2	A		60					0.00			0.00						
056	09	1	4	WHT		4	20	N1CB27-2		159	99		4	20	N1TB7-6		159	99	+28VDC
056	09	2	A		60					0.00			0.00						
053	09	1	4	WHT		4	20	N1CB28-1		159	99		4	20	N1W2-14		194	99	+28VDC
053	09	2	A		60					0.00			0.00						
056	11	1	4	WHT		4	20	N1CB28-2		159	99		4	20	N1TB7-7		159	99	+28VDC
056	11	2	A		60					0.00			0.00						
053	11	1	3	WHT		4	20	N1CB29-1		162	100		4	20	N1W2-23		165	100	+28VDC
053	11	2	A		60					0.00			0.00						
056	13	1	3	WHT		4	20	N1CB29-2		162	100		4	20	N1TB9-6		163	100	+28VDC
056	13	2	A		60					0.00			0.00						
028	07	1	1	WHT			20	N1CB3-1		170	100			20	N1FL2-LOAD		172	100	PHASE A
028	07	2	E						76.0	0.00		60					0.00		
030	01	1	239	BLK		4	22	N1CB3-2		167	100		4		N1CB5-1		166	100	PHASE A
030	01	2	E		60				15.0	0.00							0.00		
028	09	1	1	WHT			20	N1CB3-3		170	100			20	N1FL3-LOAD		172	100	PHASE B
028	09	2	E						71.0	0.00		60					0.00		
030	05	1	241	RED		4	23	N1CB3-4		167	100		4		N1CB5-3		166	100	PHASE B
030	05	2	E		60				17.0	0.00							0.00		
028	11	1	1	WHT			20	N1CB3-5		170	100			20	N1FL4-LOAD		172	100	PHASE C
028	11	2	E						67.0	0.00		60					0.00		

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0010						
	WI FND KCD	CLR KSQ	FROM .....					S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	TO .....								
			KY	NOTES		LOCATION MARKING	KY					NOTES		LOCATION MARKING	S H S H	FIND LUG STP	GP SC	FUNCTION		
				1	2							3	4						5	
030 030	07 07	1 2	242 E	BLU		4 60	24	N1CB3-6		167 0.00	100	20.0		4		N1CB5-5		166 0.00	100	PHASE C
046 046	13 13	1 2	7 A	WHT		4 60	20	N1CB3-8		155 0.00	97	0.0		4 60	20	N1W1-2		155 0.00	97	DCRTN
039 039	13 13	1 2	7 A	WHT		20 60	4	N1CB3-9		0.00	97	0.0	60	4 60	20	N1FL1-1		190 0.00	97	+24V
053 053	13 13	1 2	4 A	WHT		4 60	20	N1CB30-1		159 0.00	99	0.0		4 60	20	N1W2-5		194 0.00	99	+28VDC
057 057	01 01	1 2	4 A	WHT		4 60	20	N1CB30-2		159 0.00	99	0.0		4 60	20	N1TB7-9		159 0.00	99	+28VDC
054 054	01 01	1 2	4 A	WHT		4 60	20	N1CB31-1		159 0.00	99	0.0		4 60	20	N1W2-5		194 0.00	99	+28VDC
057 057	03 03	1 2	4 A	WHT		4 60	20	N1CB31-2		159 0.00	99	0.0		4 60	20	N1TB7-10		159 0.00	99	+28VDC
054 054	03 03	1 2	4 A	WHT		4 60	20	N1CB32-1		159 0.00	99	0.0		4 60	20	N1W2-6		194 0.00	99	+28VDC
057 057	05 05	1 2	4 A	WHT		4 60	20	N1CB32-2		159 0.00	99	0.0		4 60	20	N1TB7-11		159 0.00	99	+28VDC
054 054	05 05	1 2	4 A	WHT		4 60	20	N1CB33-1		159 0.00	99	0.0		4 60	20	N1W2-6		194 0.00	99	+28VDC
057 057	07 07	1 2	4 A	WHT		4 60	20	N1CB33-2		159 0.00	99	0.0		4 60	20	N1TB7-12		159 0.00	99	+28VDC

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030					PAGE 0011				
SHT	LN	C	FROM .....										TO .....									
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION								
FND			1	2	H	LUG	SLV	1	2		H	LUG	SLV									
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION								
			3	4	5	H	FER	3	4	5	H	FER										
054	07	1	2	WHT		4	20	N1CB34-1		166	100		4	20	N1W2-1		169	100		+28VDC		
054	07	2	A		60					0.00		0.00					0.00					
058	09	1	2	WHT		4	20	N1CB34-2		166	99		4	20	N1TB9-1		167	99		+28VDC		
058	09	2	A		60					0.00		0.00					0.00					
054	09	1	6	WHT		4	20	N1CB35-1		155	98		4	20	N1W2-8		155	98		+28VDC		
054	09	2	A		60					0.00		0.00					0.00					
057	11	1	6	WHT		4	20	N1CB35-2		155	98		4	20	N1TB8-2A		190	98		+28VDC		
057	11	2	A		60					0.00		0.00					0.00					
054	13	1	4	WHT		4	20	N1CB36-1		159	99		4	20	N1W2-9		159	99		+28VDC		
054	13	2	A		60					0.00		0.00					0.00					
057	13	1	4	WHT		4	20	N1CB36-2		159	99		4	20	N1TB8-3A		193	99		+28VDC		
057	13	2	A		60					0.00		0.00					0.00					
054	11	1	6	WHT		4	20	N1CB37-1		155	98		4	20	N1W2-8		155	98		+28VDC		
054	11	2	A		60					0.00		0.00					0.00					
057	09	1	6	WHT		4	20	N1CB37-2		155	98		4	20	N1TB8-1A		190	98		+28VDC		
057	09	2	A		60					0.00		0.00					0.00					
055	01	1	4	WHT		4	20	N1CB38-1		159	99		4	20	N1W2-15		194	99		+28VDC		
055	01	2	A		60					0.00		0.00					0.00					
058	01	1	4	WHT		4	20	N1CB38-2		159	99		4	20	N1TB8-4A		193	99		+28VDC		
058	01	2	A		60					0.00		0.00					0.00					
055	03	1	4	WHT		4	20	N1CB39-1		159	99		4	20	N1W2-15		194	99		+28VDC		
055	03	2	A		60					0.00		0.00					0.00					

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0012			
SHT	LN	C	FROM .....										TO .....						
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION					
			3 4 5		H		FER	3 4 5		H		FER							
058	03	1	4	WHT		4	20	N1CB39-2		159	99		4	20	N1TB8-5A		193	99	+28VDC
058	03	2	A		60					0.00		0.0					0.00		
055	05	1	4	WHT		4	20	N1CB40-1		159	99		4	20	N1W2-16		194	99	+28VDC
055	05	2	A		60					0.00		0.0					0.00		
058	05	1	4	WHT		4	20	N1CB40-2		159	99		4	20	N1TB8-6A		193	99	+28VDC
058	05	2	A		60					0.00		0.0					0.00		
055	07	1	4	WHT		4	20	N1CB41-1		159	99		4	20	N1W2-16		194	99	+28VDC
055	07	2	A		60					0.00		0.0					0.00		
058	07	1	4	WHT		4	20	N1CB41-2		159	99		4	20	N1TB8-7A		193	99	+28VDC
058	07	2	A		60					0.00		0.0					0.00		
055	09	1	1	WHT		4	20	N1CB42-1		170	100		4	20	N1W2-2		172	100	+28VDC
055	09	2	A		60					0.00		0.0	34				0.00		
058	11	1	1	WHT		4	20	N1CB42-2		170	100		4	20	N1TB9-2		170	100	+28VDC
058	11	2	A		60					0.00		0.0					0.00		
055	11	1	1	WHT		4	20	N1CB43-1		170	100		4	20	N1W2-12		172	100	+28VDC
055	11	2	A		60					0.00		0.0	4				0.00		
058	13	1	1	WHT		4	20	N1CB43-2		170	100		4	20	N1TB9-3		170	100	+28VDC
058	13	2	A		60					0.00		0.0					0.00		
030	03	1	244	BLK		4	60	N1CB5-1		162	99		4		N1CB14-1		162	99	PHASE A
030	03	2	E							0.00		19.0					0.00		
030	01	1	239	BLK		4		N1CB5-1		166	100		4	22	N1CB3-2		167	100	PHASE A
030	01	2	E							0.00		15.0	60				0.00		

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0013		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
060	01	1	54	WHT	60	4	N1CB5-10							BEF				
060	01	2	A					0.00	96		0.0							
049	03	1	53	WHT	60	4	N1CB5-11							BAT EX FLT				
049	03	2	A					0.00	96		0.0							
031	05	1	3	WHT		4	N1CB5-2	162	99		4	20	N1A23TB1-L1	163	99	PHASE A		
031	05	2	A		20	60		0.00			0.0			0.00				
030	05	1	241	RED	4		N1CB5-3	166	100		4	23	N1CB3-4	167	100	PHASE B		
030	05	2	E					0.00	100	17.0	60			0.00				
031	07	1	3	WHT		4	N1CB5-4	162	99		4	20	N1A23TB1-L2	163	99	PHASE B		
031	07	2	A		60			0.00			0.0			0.00				
030	07	1	242	BLU	4		N1CB5-5	166	100		4	24	N1CB3-6	167	100	PHASE C		
030	07	2	E					0.00	100	20.0	60			0.00				
031	09	1	3	WHT		4	N1CB5-6	162	99		4	20	N1A23TB1-L3	163	99	PHASE C		
031	09	2	A		60			0.00			0.0			0.00				
032	01	1	7	WHT		4	N1CB5-8	155	97		4	20	N1TB5-5A	153	97	115VAC		
032	01	2	A		60			0.00			0.0			0.00				
029	03	1	6	WHT		4	N1CB6-2	190	98		4	20	N1PS1TB1-1	190	98	PHASE A		
029	03	2	A		60			0.00			0.0			0.00				
029	05	1	6	WHT		4	N1CB7-2	190	98		4	20	N1PS1TB1-2	190	98	PHASE B		
029	05	2	A		60			0.00			0.0			0.00				
029	07	1	6	WHT		4	N1CB8-2	190	98		4	20	N1PS1TB1-3	190	98	PHASE C		
029	07	2	A		60			0.00			0.0			0.00				

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0014		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
040	07	1		BLK											DCRTN			
040	07	2		E				0.00					0.00					
040	09	1		WHT											BELL			
040	09	2		E				0.00					0.00					
039	11	1	66	GRN				274	96				155	96	GND			
039	11	2		E				0.00					0.00					
039	05	1	238	GRN				172	100				170	100	GND			
039	05	2		E				0.00					0.00					
039	03	1	273	GRN				180	102				180	102	GND			
039	03	2		E				0.00					0.00					
039	07	1	238	GRN				172	100				170	100	GND			
039	07	2		C	30			0.00					0.00					
023	13	1		GRN				194	97						GND			
023	13	2		D				0.00					0.00					
024	03	1		GRN				194	97						GND			
024	03	2		D				0.00					0.00					
025	13	1	63	RED									190	97	ECUTRIP			
025	13	2		D				0.00					0.00					
026	01	1	58	BLK									190	97	DCRTN			
026	01	2		D				0.00					0.00					
039	09	1	247	GRN				163	99				163	99	GND			
039	09	2		E				0.00					0.00					



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0016		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
046	03	1	65	RED				4 15	N1P5-J			95	E	RCON				
046	03	2	A			0.00		60 19	J			0.00						
046	01	1	65	RED				4 57	N1CB13-5			186	95	EMPWR				
046	01	2	A			0.00		60				0.00						
049	03	1	53	WHT				60 4	N1CB5-11			0.00	96	BAT EX FLT				
049	03	2	A			0.00						0.00						
045	11	1	65	RED				4 57	N1CB13-4			186	95	28VI				
045	11	2	A			0.00		60				0.00						
048	09	1	7	WHT	10 60			4 20	N1TB6-13B			153	97	+24V				
048	09	2	A			0.00						0.00						
023	11	1		BLK	9 60			4 20	N1TB3-3			194	98	PHASE C				
023	11	2	D			0.00						0.00						
023	09	1		GRN	9 60			4	N1E9			194	97	GND				
023	09	2	D			0.00		7.0				0.00						
024	01	1		BLK	9 60			4 20	N1TB3-2			194	98	PHASE B				
024	01	2	D			0.00						0.00						
023	13	1		GRN	9 60				N1E10			194	97	GND				
023	13	2	D			0.00		7.0				0.00						
060	05	1		WHT	4 55			60	N1TB41-6A			S		SHIELD				
060	05	2	A			0.00						0.00						
060	09	1		WHT	4 55		155	96	60	N1TB41-7B		S		SHIELD				
060	09	2	A			0.00						0.00						







Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0019					
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					GP	FUNCTION		
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	S	FIND	GP	FUNCTION			
			KCD	KSQ	3	4	5	MARKING	S	STP	FND	LENGTH	3	4	5	MARKING	S	STP	FND	SC	FUNCTION
									H	FER						H	FER				
028	07	1	1	WHT		20		N1FL2-LOAD		172	100			20		N1CB3-1		170	100		PHASE A
028	07	2	E		60					0.00		76.0						0.00			
028	01	1	1	WHT		4		N1FL3-LINE		172	100		4	20		N1TB3-2		170	100		PHASE B
028	01	2	D	20						0.00		20.0	60					0.00			
028	09	1	1	WHT		20		N1FL3-LOAD		172	100			20		N1CB3-3		170	100		PHASE B
028	09	2	E		60					0.00		71.0						0.00			
028	03	1	1	WHT		4	20	N1FL4-LINE		172	100		4	20		N1TB3-3		170	100		PHASE C
028	03	2	D							0.00		22.0	60					0.00			
028	11	1	1	WHT		20		N1FL4-LOAD		172	100			20		N1CB3-5		170	100		PHASE C
028	11	2	E		60					0.00		67.0						0.00			
028	05	1	1	WHT		4	34	N1FL5-LINE		172	100		4	34		N1TB3-4		170	100		NEUTRAL
028	05	2	D							0.00		25.0	60					0.00			
028	13	1	1	WHT		4	34	N1FL5-LOAD		172	100		4	34		N1W3-1		172	100		NEUTRAL
028	13	2	E		60					0.00		24.0						0.00			
026	03	1	228	BLK		4	28	N1J1-A		101			4			N1TB1-1		176	101		50/60HZPHA
026	03	2	D		60			A		0.00		20.5						0.00			
026	05	1	229	RED		4	28	N1J1-B		101			4			N1TB1-2		176	101		50/60HZPHB
026	05	2	D		60			B		0.00		19.0						0.00			
026	07	1	230	BLU		4	28	N1J1-C		101			4			N1TB1-3		176	101		50/60HZPHC
026	07	2	D		60			C		0.00		18.0						0.00			
024	13	1	235	GRN		4	29	N1J1-G1		99			4	60		N1E7		167	99		GND
024	13	2	D					G1		0.00		13.0						0.00			

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0020			
SHT	LN	C	FROM .....										TO .....						
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION					
			3 4 5		H		FER	3 4 5		H		FER							
024	07	1	235	GRN				4	29	N1J1-G2									
024	07	2	D							G2	0.00	99	14.5	4	60	N1E6	167	99	GND
024	09	1	235	GRN				4	29	N1J1-G3									
024	09	2	D							G3	0.00	99	17.0	4	60	N1E6	167	99	GND
024	11	1	235	GRN				4	29	N1J1-G4									
024	11	2	D							G4	0.00	99	16.0	4	60	N1E6	167	99	GND
026	09	1	20	WHT				4	41	N1J1-N									
026	09	2	D		60					N	0.00	101	17.0	4		N1TB1-4	176	101	NEUTRAL
029	01	1	6	WHT				4	6	N1J13-SIL									
029	01	2	A		60						0.00	98	0.0	4	36	N1W3-4	155	98	NEUTRAL
026	11	1	228	BLK				4	28	N1J2-A									
026	11	2	D		60					A	0.00	101	20.5	4		N1TB2-1	176	101	400HZPHA
026	13	1	229	RED				4	28	N1J2-B									
026	13	2	D		60					B	0.00	101	18.5	4		N1TB2-2	176	101	400HZPHB
027	01	1	230	BLU				4	28	N1J2-C									
027	01	2	D		60					C	0.00	101	18.5	4		N1TB2-3	176	101	400HZPHC
025	01	1	235	GRN				4	29	N1J2-G1									
025	01	2	D							G1	0.00	99	14.0	4	60	N1E7	167	99	GND
025	03	1	235	GRN	4	29	N1J2-G2												
025	03	2	D				G2	0.00	99		0.00	99	17.5	4	60	N1E8	167	99	GND
025	05	1	235	GRN	4	29	N1J2-G3												
025	05	2	D				G3	0.00	99		0.00	99	13.5	4	60	N1E8	167	99	GND

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0021		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
025	07	1	235	GRN				4 29	N1J2-G4									
025	07	2	D						G4									
						0.00							99	GND				
								17.5					167					
													99					
027	03	1	20	WHT				4 41	N1J2-N									
027	03	2	D						N									
						0.00							101	400HZNEUT				
								17.0					176					
													101					
													0.00					
021	05	1	244	BLK				4 40	N1J3-A									
021	05	2	D						A									
						0.00							99	PHASE A				
								8.0					162					
													99					
													0.00					
021	11	1	246	RED				4 40	N1J3-B									
021	11	2	D						B									
						0.00							99	PHASE B				
								8.0					162					
													99					
													0.00					
022	03	1	248	BLU				4 40	N1J3-C									
022	03	2	D						C									
						0.00							99	PHASE C				
								8.0					162					
													99					
													0.00					
025	09	1	245	WHT				4 40	N1J3-D									
025	09	2	D						D									
						0.00							99	NEUTRAL				
								12.0					163					
													99					
													0.00					
022	11	1	244	BLK				4 40	N1J4-A									
022	11	2	D						A									
						0.00							99	PHASE A				
								8.0					162					
													99					
													0.00					
022	13	1	246	RED				4 40	N1J4-B									
022	13	2	D						B									
						0.00							99	PHASE B				
								8.0					162					
													99					
													0.00					
023	01	1	248	BLU				4 40	N1J4-C									
023	01	2	D						C									
						0.00							99	PHASE C				
								8.0					162					
													99					
													0.00					
025	11	1	245	WHT				4 40	N1J4-D									
025	11	2	D						D									
						0.00							99	NEUTRAL				
								12.0					163					
													99					
													0.00					
031	01	1	50	WHT				4 60	N1M1-1									
031	01	2	A															
						0.00							96					
								96					190					
								0.0					96					
													0.00					

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0022			
SHT	LN	C	WI	CLR	FROM					TO					S	FIND	GP	FUNCTION	
			FND		KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	H	LUG	SLV	SC	FUNCTION	
			KCD	KSQ	NOTES	MARKING	S	LUG	SLV	LENGTH	NOTES	MARKING	S	STP	FND				
					3	4	5	H	FER		3	4	5	H		FER			
031	03	1	51	WHT	4	60	N1M2-2		191	96		4	N1W3-5		155	96		NEUTRAL	
031	03	2	A						0.00	0.0					0.00				
044	11	1	53	WHT	4		N1M5-NEG		187	95		4	60	N1T4TB1-3	150	95		FLT NEG	
044	11	2	A						0.00	0.0					0.00				
044	13	1	53	WHT	4		N1M5-POS		187	95		4	60	N1T4TB1-5	150	95		FLT POS	
044	13	2	A						0.00	0.0					0.00				
046	11	1	7	WHT	4	20	N1M7-NEG		191	97		4	20	N1W1-2	155	97		DCRTN	
046	11	2	A						0.00	0.0	60				0.00				
048	01	1	7	WHT	4	20	N1M7-POS		191	97		4	20	N1TB6-3A	153	97		28VBF	
048	01	2	A		60				0.00	0.0					0.00				
045	05	1	54	WHT	4	15	NIP5-A			94				N1S8-7			E	EQ ST1	
045	05	2	A		60	19	A		0.00	0.0					0.00				
045	07	1	54	WHT	4	15	N1P5-B			94				N1S8-5			E	EQ ST2	
045	07	2	A		60	19	B		0.00	0.0					0.00				
045	01	1	53	WHT	4	15	N1P5-C			95				N1S7-3			E	CHG TEST 1	
045	01	2	A		60	19	C		0.00	0.0					0.00				
045	03	1	53	WHT	4	15	N1P5-D			95				N1S7-5			E	CHG TEST 2	
045	03	2	A		60	19	D		0.00	0.0					0.00				
046	05	1	54	WHT	4	15	N1P5-E			94				N1S8-16			E	TIMER	
046	05	2	A		60	19	E		0.00	0.0					0.00				
044	07	1	68	RED	4	15	N1P5-F			94		60		N1S8-14			E	28VRD	
044	07	2	A		19		F		0.00	0.0					0.00				

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0025		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
030	13	1	57	BLK	4	60	N1S1-14	153	96				4	N1T1-X1	190	96	CH PHA	
030	13	2	A					0.00		0.0					0.00			
030	11	1	62	RED	4	60	N1S1-15	153	96				4	N1T2-X1	190	96	CH PHB	
030	11	2	A					0.00		0.0					0.00			
030	09	1	69	BLU	4	60	N1S1-16	153	96				4	N1T3-X1	190	96	CH PHC	
030	09	2	A					0.00		0.0					0.00			
047	11	1	54	WHT	60		N1S10-6						4	N1TB6-1A	150	94	BB1	
047	11	2	A					0.00		0.0					0.00			
047	13	1	68	RED	60		N1S11-6						4	N1TB6-2A	150	99	BB2	
047	13	2	A					0.00		0.0					0.00			
046	09	1	6	WHT	4	36	N1S18-15	153	99				4	36	N1A23TB2-2	153	99	CHARGER
046	09	2	A					0.00		0.0	60				0.00			
049	01	1	6	WHT	4	36	N1S18-16	153	98				4	14	R1-2B	190	98	LOAD
049	01	2	A					0.00		0.0	36	39	60		0.00			
046	07	1	6	WHT	4	36	N1S18-25	153	99				4	36	N1A23TB2-1	153	99	CHARGER
046	07	2	A					0.00		0.0	60				0.00			
048	13	1	6	WHT	4	36	N1S18-26	153	98				4	14	R1-1B	190	98	LOAD
048	13	2	A					0.00		0.0	36	39	60		0.00			
050	01	1	7	WHT	4	20	N1S19-2	153	97				4	20	N1A24TB2-2	153	97	+28VDC
050	01	2	A					0.00		0.0	60				0.00			
049	13	1	7	WHT	4	20	N1S19-3	153	97				4	20	N1A24TB2-1	153	97	+28VDC
049	13	2	A					0.00		0.0	60				0.00			

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0026		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
060	01	1	54	WHT				60	4	N1CB5-10			96	BEF				
060	01	2	A															
						0.00						0.00						
048	07	1	54	WHT	60			4		N1TB6-7A			150	94				
048	07	2	A										0.00	VENT				
047	09	1	7	WHT	4	20		4	20	N1W1-4			155	97				
047	09	2	A		60								0.00	DCRTN				
							153	97										
							0.00											
050	03	1	7	WHT	4	20		4	60	N1A24TB2-7			153	97				
050	03	2	A										0.00					
049	11	1	54	WHT	60			4		N1A24TB2-6			150	94				
049	11	2	A										0.00	BOBP				
049	09	1	54	WHT	60			4		N1A24TB2-4			150	94				
049	09	2	A										0.00	BOBP				
051	05	1		WHT				4	31	N1A24TB2-6			153	96				
051	05	2	E										0.00	INT				
									23.0	60								
051	03	1		WHT				4	31	N1A24TB2-4			153	96				
051	03	2	E										0.00	INT				
									23.0	60								
059	13	1		WHT	31			4	60	N1TB41-4B			153	96				
059	13	2	E										0.00	INT ALM				
									23.0									
059	11	1		WHT	31			4	60	N1TB41-3B			153	96				
059	11	2	E										0.00	INT ALM				
									23.0									
040	05	1	51	WHT	4	60		4		N1TB41-1A			153	96				
040	05	2	A										0.00	BELL				
							189	96										
							0.00											
									0.0									

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0027		
SHT	LN	C	WI	CLR	FROM					TO					S	FIND	GP	FUNCTION
			FND		KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION	
			KCD	KSQ		1 2	MARKING	H	LUG	SLV		1 2	MARKING	H	LUG	SLV	SC	FUNCTION
					3 4 5			S	STP	FND	LENGTH	3 4 5		S	STP	FND		
								H		FER				H		FER		
040	03	1	63	RED		4 60	N1S33-POS		189	96		4	N1TB6-3B		153	96		28VBF
040	03	2	A						0.00		0.0				0.00			
048	03	1	7	WHT		4 20	N1S34-3		153	97		4 20	N1TB6-4A		153	97		+28VDC
048	03	2	A		60				0.00		0.0				0.00			
044	03	1	68	RED			N1S5-16					4 60	N1TB6-6B		150	94		28VRD
044	03	2	A						0.00		0.0				0.00			
045	01	1	53	WHT			N1S7-3					4 15	N1P5-C		95	E		CHG TEST 1
045	01	2	A						0.00		0.0	60 19	C		0.00			
045	03	1	53	WHT			N1S7-5					4 15	N1P5-D		95	E		CHG TEST 2
045	03	2	A						0.00		0.0	60 19	D		0.00			
044	07	1	68	RED	60		N1S8-14					4 15	N1P5-F		94	E		28VRD
044	07	2	A						0.00		0.0	19	F		0.00			
046	05	1	54	WHT			N1S8-16					4 15	N1P5-E		94	E		TIMER
046	05	2	A						0.00		0.0	60 19	E		0.00			
045	07	1	54	WHT			N1S8-5					4 15	N1P5-B		94	E		EQ ST2
045	07	2	A						0.00		0.0	60 19	B		0.00			
045	05	1	54	WHT			N1S8-7					4 15	N1P5-A		94	E		EQ ST1
045	05	2	A						0.00		0.0	60 19	A		0.00			
030	13	1	57	BLK		4	N1T1-X1		190	96		4 60	N1S1-14		153	96		CH PHA
030	13	2	A						0.00		0.0				0.00			
031	01	1	50	WHT		4	N1T1-X2		190	96		4 60	N1M1-1		191	96		
031	01	2	A						0.00		0.0				0.00			

Change 2 5-1839

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0028				
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					GP	FUNCTION	
			FND	KSQ	KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	S	FIND	GP	FUNCTION		
						1 2	MARKING	S	STP	FND	LENGTH		1 2	MARKING	S	STP	FND	SC	FUNCTION	
						3 4 5		H		FER			3 4 5		H		FER			
030	11	1	62	RED		4	N1T2-X1		190	96			4	60	N1S1-15		153	96	CH	PHB
030	11	2	A						0.00		0.0						0.00			
030	09	1	69	BLU		4	N1T3-X1		190	96			4	60	N1S1-16		153	96	CH	PHC
030	09	2	A						0.00		0.0						0.00			
044	01	1	63	RED		4	60	N1T4TB1-1		153	96		4		N1TB6-6B		153	96		28VRD
044	01	2	A						0.00		0.0						0.00			
042	09	1	63	RED		4		N1T4TB1-1		153	96	D	4	60	N3TB10-5		190	96		28VRD
042	09	2	C						0.00		101.0	30					0.00			
044	09	1	58	BLK		4	60	N1T4TB1-2		153	96		4		N1W1-16		155	96		DCRTN
044	09	2	A						0.00		0.0						0.00			
044	11	1	53	WHT		4	60	N1T4TB1-3		150	95		4		N1M5-NEG		187	95		FLT NEG
044	11	2	A						0.00		0.0						0.00			
044	13	1	53	WHT		4	60	N1T4TB1-5		150	95		4		N1M5-POS		187	95		FLT POS
044	13	2	A						0.00		0.0						0.00			
026	03	1	228	BLK		4		N1TB1-1		176	101		4	28	N1J1-A			101		50/60HZPHA
026	03	2	D						0.00		20.5	60			A		0.00			
027	05	1	231	BLK		4	8	N1TB1-1A		173	101		4		N1TB3-1B		173	101		PHASE A
027	05	2	D		60				0.00		16.5						0.00			
026	05	1	229	RED		4		N1TB1-2		176	101		4	28	N1J1-B			101		50/60HZPHB
026	05	2	D						0.00		19.0	60			B		0.00			
027	07	1	232	RED		4	8	N1TB1-2A		173	101		4		N1TB3-2B		173	101		PHASE B
027	07	2	D		60				0.00		17.5						0.00			

Change 2 5-1840

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0029			
SHT	LN	C	FROM .....										TO .....						
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC					
			3 4 5		H		FER		3 4 5		H		FER						
026	07	1	230	BLU					4	N1TB1-3		176	101						
026	07	2	D					0.00				0.00	101						50/60HZPHC
								18.0	60										
027	09	1	233	BLU					4	N1TB1-3A		173	101						
027	09	2	D		60			0.00				0.00	101						PHASE C
								19.0											
026	09	1	20	WHT					4	N1TB1-4		176	101						
026	09	2	D					0.00				0.00	101						NEUTRAL
								17.0	60										
027	11	1	21	WHT					4	N1TB1-4A		173	101						
027	11	2	D		60			0.00				0.00	101						NEUTRAL
								21.5											
025	11	1	245	WHT					4	N1TB1-4B		163	99						
025	11	2	D					0.00				0.00	99						NEUTRAL
								12.0	48										
050	09	1	WHT						4	N1TB18-1B									
050	09	2	E					0.00											DS2-1
								23.0	60										
050	11	1	WHT						4	N1TB18-2B									
050	11	2	E					0.00											DS2-2
								23.0	60										
050	13	1	WHT						4	N1TB18-3B									
050	13	2	E					0.00											DS3-1
								23.0	60										
051	01	1	WHT						4	N1TB18-4B									
051	01	2	E					0.00											DS3-2
								23.0	60										
090	03	1	BLK						4	N1TB18-5									
090	03	2	E			31 60		0.00											50/60HZPHA
								94.0											
090	05	1	WHT						4	N1TB18-6									
090	05	2	E			31 60		0.00											NEUTRAL
								94.0											

Change 2 5-1841

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0030				
	WI FND KCD	CLR KSQ	FROM					S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	TO			S H S H	FIND LUG STP	GP SLV FND FER	FUNCTION
			KY	NOTES		LOCATION MARKING	KY					NOTES		LOCATION MARKING				
				1	2							1	2					
090 07 1		BLK	31	60		N1TB18-7					4	N1A24TB1-1	153	96		400HZ		
090 07 2	E						0.00	94.0					0.00					
036 05 1		GRN	31			N1TB18-8A					4 60	N1E20	191	96		GND		
036 05 2	E						0.00	23.0					0.00					
026 11 1	228	BLK	4			N1TB2-1	176	101			4 28	N1J2-A A	0.00	101		400HZPHA		
026 11 2	D						0.00	20.5	60									
026 13 1	229	RED	4			N1TB2-2	176	101			4 28	N1J2-B B	0.00	101		400HZPHB		
026 13 2	D						0.00	18.5	60									
027 01 1	230	BLU	4			N1TB2-3	176	101			4 28	N1J2-C C	0.00	101		400HZPHC		
027 01 2	D						0.00	18.5	60									
027 03 1	20	WHT	4			N1TB2-4	176	101			4 41	N1J2-N N	0.00	101		400HZNEUT		
027 03 2	D						0.00	17.0	60									
074 09 1	58	BLK	4	60		N1TB21-2A	153	96			4	N1W1-18	155	96		DCRTN		
074 09 2	E						0.00	40.0					0.00					
074 07 1	55	BLK	4	27		N1TB21-2B	150	94			4 18	N2P31-13 13	0.00	94	AE	DCRTN		
074 07 2	G						0.00	48.0	60	19								
021 03 1	234	BLK	4			N1TB3-1	170	100			4 60	N1CB1-1	170	100		PHASE A		
021 03 2	D						0.00	17.5					0.00					
024 05 1		BLK	4			N1TB3-1	194	98			9 60	N1ES-BLK	0.00			PHASE A		
024 05 2	D						0.00	9.0										
027 13 1	1	WHT	4	20		N1TB3-1	170	100			4 20	N1FL2-LINE	172	100		PHASE A		
027 13 2	D		60				0.00	25.0					0.00					

Change 2 5-1842

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0031						
	WI FND KCD	CLR KSQ	FROM .....					S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	TO .....			S H S H	FIND LUG STP	GP SLV FND FER	FUNCTION		
			KY	NOTES		LOCATION	MARKING					KY	NOTES						LOCATION	MARKING
				1	2								1	2						
027 027	05 05	1 2	231 D	BLK	4		N1TB3-1B	173 0.00	101	16.5	60	4	8	N1TB1-1A	173 0.00	101	PHASE A			
021 021	09 09	1 2	236 D	RED	4		N1TB3-2	170 0.00	100	13.0	60	4	60	N1CB1-3	170 0.00	100	PHASE B			
024 024	01 01	1 2		BLK	4	20	N1TB3-2	194 0.00	98	9.0	60	9	60	N1E4-BLK	0.00		PHASE B			
028 028	01 01	1 2	1 D	WHT	4	20	N1TB3-2	170 0.00	100	20.0	20	4		N1FL3-LINE	172 0.00	100	PHASE B			
027 027	07 07	1 2	232 D	RED	4		N1TB3-2B	173 0.00	101	17.5	60	4	8	N1TB1-2A	173 0.00	101	PHASE B			
022 022	01 01	1 2	237 D	BLU	4		N1TB3-3	170 0.00	100	14.0	60	4	60	N1CB1-5	170 0.00	100	PHASE C			
023 023	11 11	1 2		BLK	4	20	N1TB3-3	194 0.00	98	9.0	60	9	60	N1E3-BLK	0.00		PHASE C			
028 028	03 03	1 2	1 D	WHT	4	20	N1TB3-3	170 0.00	100	22.0	20	4	20	N1FL4-LINE	172 0.00	100	PHASE C			
027 027	09 09	1 2	233 D	BLU	4		N1TB3-3B	173 0.00	101	19.0	60	4	8	N1TB1-3A	173 0.00	101	PHASE C			
023 023	07 07	1 2		BLK	4	20	N1TB3-4	194 0.00	98	9.0	60	9	60	N1E2-BLK	0.00		NEUTRAL			
028 028	05 05	1 2	1 D	WHT	4	34	N1TB3-4	170 0.00	100	25.0	34	4	34	N1FL5-LINE	172 0.00	100	NEUTRAL			

Change 2 5-1843

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0032			
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO			S	FIND	GP	FUNCTION
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV		
			KCD	KSQ		1 2	MARKING	S	STP	FND	LENGTH	1 2	MARKING	S	STP	FND	SC	FUNCTION	
					3 4 5			H		FER		3 4 5		H		FER			
025	09	1	245	WHT		4 60	N1TB3-4B		163	99		4 40	N1J3-D			99			NEUTRAL
025	09	2	D						0.00		12.0	48	D		0.00				
027	11	1	21	WHT		4	N1TB3-4B		173	101		4 8	N1TB1-4A		173	101			NEUTRAL
027	11	2	D						0.00		21.5	60			0.00				
040	05	1	51	WHT		4	N1TB41-1A		153	96		4 60	N1S33-NEG		189	96			BELL
040	05	2	A						0.00		0.0				0.00				
040	09	1		WHT			N1TB41-1B					9 60	N1DS1-WHT						BELL
040	09	2	E						0.00		0.0				0.00				
059	09	1	58	BLK		4 60	N1TB41-2A		153	96		4	N1W1-1		155	96			DCRTN
059	09	2	A						0.00		0.0				0.00				
040	07	1		BLK			N1TB41-2B					9	N1DS1-BLK						DCRTN
040	07	2	E		60				0.00		0.0				0.00				
059	11	1		WHT		4 60	N1TB41-3B		153	96		31	N1S22B-NO						INT ALM
059	11	2	E						0.00		23.0				0.00				
059	13	1		WHT		4 60	N1TB41-4B		153	96		31	N1S22B-C						INT ALM
059	13	2	E						0.00		23.0				0.00				
060	03	1	11	WHT		4 54	N1TB41-5A		150	95		4 15	N1P5-V			95	E		ALARMS
060	03	2	A		60				0.00	15	0.0	53 27 19	V		0.00				
093	11	1	13	WHT		4 42	N1TB41-5B		183	94		4 43	N6A16TB1-3		183	94	AN		QCMPSCAS
093	11	2	C		44	60			0.00	15	276.0	45			0.00	83			
060	05	1		WHT	60		N1TB41-6A		S			4 55	N1E47						SHIELD
060	05	2	A						0.00		0.0				0.00				

Change 2 5-1844



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0033			
SHT	LN	C	WI	CLR	FROM			S	FIND		ROUTE	TO			S	FIND		GP	FUNCTION
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV		
			KCD	KSQ		1 2	MARKING	S	STP	FND	LENGTH	1 2	MARKING	S	STP	FND	SC	FUNCTION	
					3 4 5			H		FER		3 4 5		H		FER			
060	04	1		BLK		4 60	N1TB41-6A		150	95		4 15	N1P5-U				95	E	ALARMS
060	04	2	A						0.00		0.0	27 19	U			0.00			
060	07	1	11	WHT		4 54	N1TB41-6B		150	95		4 53	N1CB13-6			186	95		ALARMS
060	07	2	A		60				0.00	15	0.0	57				0.00			
060	08	1		BLK		4 60	N1TB41-7B		150	95		4 57	N1CB13-7			186	95		ALARMS
060	08	2	A						0.00		0.0					0.00			
060	09	1		WHT	60		N1TB41-7B		S			4 55	N1E47			155	96		SHIELD
060	09	2	A						0.00		0.0					0.00			
093	13	1		WHT	60		N1TB41-7B		S			4 55	N1E47			151	96		SHIELD
093	13	2	C						0.00		0.0					0.00			
093	12	1		BLK		4 60	N1TB41-7B		183	94		4 45	N6A16TB1-6			183	94	AN	QCMP5BCAR
093	12	2	C						0.00		276.0					0.00			
059	05	1	11	WHT		4 54	N1TB41-8A		150	94		4 53	N1PS1TB2-3			150	94		ALARM24V
059	05	2	E		60				0.00	15	24.5					0.00			
093	07	1	13	WHT		4 42	N1TB41-8B		183	94		45 4 43	N6A16TB1-2			183	94	AN	QCMP524VAS
093	07	2	C		44	60			0.00	15	276.0	45				0.00	83		
059	07	1		WHT	60		N1TB41-9A		S			4	N1E47			151	95		SHIELD
059	07	2	E						0.00		0.0					0.00			
059	06	1		BLK		4 60	N1TB41-9A		150	94		4	N1PS1TB2-4			150	94		ALARM24V
059	06	2	E						0.00		24.5					0.00			
093	09	1		WHT	60		N1TB41-9B		S			55	N1E47						SHIELD
093	09	2	C						0.00		0.0					0.00			



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0035		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
035	05	1	75	GRA	4		N1TB5-8B	153	96				190	96	115VAC			
035	05	2	E					0.00	73.0				0.00					
035	09	1	7	WHT	4	20	N1TB5-9A	153	96						115VAC			
035	09	2	A					0.00	0.0	60	64	60	N1XDS17-NEG	0.00				
035	11	1	75	GRA	4	60	N1TB5-9B	153	96				190	96	115VAC			
035	11	2	E					0.00	74.0				0.00					
050	05	1	63	RED	4		N1TB6-13A	153	96				153	96	+24V			
050	05	2	A					0.00	0.0		4	60	N1A24TB2-9	0.00				
050	07	1	62	RED	4		N1TB6-13A	153	96				153	96	+24V			
050	07	2	A					0.00	0.0		4	60	N1PS1TB2-2	0.00				
048	09	1	7	WHT	4	20	N1TB6-13B	153	97						+24V			
048	09	2	A					0.00	0.0		10	60	N1E25CR7-A	0.00				
048	11	1	7	WHT	4	20	N1TB6-13B	153	97					97	+24V			
048	11	2	A					0.00	0.0		10	60	N1XK1-B2	0.00				
047	11	1	54	WHT	4		N1TB6-1A	150	94						BB1			
047	11	2	A					0.00	0.0		60		N1S10-6	0.00				
043	05	1	53	WHT	4		N1TB6-1B	150	96	D			150	96	BB1			
043	05	2	C					0.00	124.0	30	4	60	N3TB10-4	0.00				
047	13	1	68	RED	4		N1TB6-2A	150	99						BB2			
047	13	2	A					0.00	0.0		60		N1S11-6	0.00				
043	01	1	53	WHT	4		N1TB6-2B	150	96	D			150	96	BB2			
043	01	2	C					0.00	124.0	30	4	60	N3TB10-2	0.00				

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0036		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
048	01	1	7	WHT				4	20	N1TB6-3A	153	97						
048	01	2	A								0.00	97		28VBF				
								60			0.00							
084	05	1	63	RED				4	60	N1TB6-3B	153	96	D					
084	05	2	C		30						0.00	96	A58TB1-1B	+28VDC				
								266.0			0.00							
040	03	1	63	RED				4	60	N1TB6-3B	153	96						
040	03	2	A								0.00	96	N1S33-POS	28VBF				
								0.0			0.00							
048	03	1	7	WHT				4	20	N1TB6-4A	153	97						
048	03	2	A								0.00	97	N1S34-3	+28VDC				
								60			0.00							
060	13	1	63	RED				4	60	N1TB6-4B	153	96	B					
060	13	2	C		30						0.00	96	N3TB13-1	+28VDC				
								84.0			0.00							
044	05	1	65	RED				4	60	N1TB6-6A	150	95						
044	05	2	A								0.00	95	N1PS-K	28VRD				
								0.0			0.00		K	E				
								19										
044	03	1	68	RED				4	60	N1TB6-6B	150	94						
044	03	2	A								0.00	94	N1S5-16	28VRD				
								0.0			0.00							
044	01	1	63	RED				4	60	N1TB6-6B	153	96						
044	01	2	A								0.00	96	N1T4TB1-1	28VRD				
								0.0			0.00							
048	07	1	54	WHT				4		N1TB6-7A	150	94	60					
048	07	2	A								0.00	94	N1S2-6	VENT				
								0.0			0.00							
061	01	1	51	WHT				4	60	N1TB6-7B	153	96						
061	01	2	C								0.00	96	N4S3-NO	VENT SW				
								164.0			0.00							
051	07	1	63	RED				4	60	N1TB6-8A	153	96						
051	07	2	A								0.00	96	N1PS1TB2-2	+24V				
								0.0			0.00							

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0037			
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO			S	FIND	GP	FUNCTION
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV		
			KCD	KSQ		1 2	MARKING	S	STP	FND	LENGTH	1 2	MARKING	S	STP	FND	SC	FUNCTION	
					3	4 5		H		FER		3 4 5		H		FER			
061	03	1	63	RED		4 60	N1TB6-8B		153	96		4	N4S3-C		189	96		+24V	
061	03	2	C						0.00		164.0				0.00				
051	09	1	7	WHT		4 20	N1TB6-9A		153	97		4 20	N1CB18-2		155	97		+28VDC	
051	09	2	A						0.00		0.0	60			0.00				
061	05	1	63	RED		4 60	N1TB6-9B		153	96		4	N2TB21-1A		153	96		+28V	
061	05	2	E						0.00		44.0				0.00				
055	13	1	4	WHT		4 20	N1TB7-1		159	99		4 20	N1CB22-2		159	99		+28VDC	
055	13	2	A						0.00		0.0	60			0.00				
063	05	1	259	RED		4 60	N1TB7-1		159	98	F	4	N10TB25-1		159	98		+28VDC	
063	05	2	C		30				0.00		248.0				0.00				
057	03	1	4	WHT		4 20	N1TB7-10		159	99		4 20	N1CB31-2		159	99		+28VDC	
057	03	2	A						0.00		0.0	60			0.00				
068	07	1	259	RED		4 60	N1TB7-10		159	98	F	4	N10TB25-10		159	98		+28VDC	
068	07	2	C		30				0.00		245.0				0.00				
057	05	1	4	WHT		4 20	N1TB7-11		159	99		4 20	N1CB32-2		159	99		+28VDC	
057	05	2	A						0.00		0.0	60			0.00				
069	01	1	259	RED		4 60	N1TB7-11		159	98	F	4	N10TB25-11		159	98		+28VDC	
069	01	2	C		30				0.00		245.0				0.00				
057	07	1	4	WHT		4 20	N1TB7-12		159	99		4 20	N1CB33-2		159	99		+28VDC	
057	07	2	A						0.00		0.0	60			0.00				
069	09	1	259	RED		4 60	N1TB7-12		159	98	F	4	N10TB25-12		159	98		+28VDC	
069	09	2	C		30				0.00		247.0				0.00				

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0038		
SHT	LN	C	WI	CLR	FROM					TO					S	FIND	GP	FUNCTION
			FND	KSQ	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	H	LUG	SLV	SC	FUNCTION
			KCD			1	2	H	LUG	SLV	1	2	MARKING	S	STP	FND		FUNCTION
					3	4	5	H		FER	3	4	5	H		FER		
056	01	1	4	WHT		4	20		159	99		4	20					+28VDC
056	01	2	A						0.00		60							
063	13	1	259	RED		4	60		159	98	F	4						+28VDC
063	13	2	C		30				0.00		243.0							
056	03	1	4	WHT		4	20		159	99		4	20					+28VDC
056	03	2	A						0.00		60							
064	07	1	259	RED		4	60		159	98	F	4						+28VDC
064	07	2	C		30				0.00		245.5							
056	07	1	4	WHT		4	20		159	99		4	20					+28VDC
056	07	2	A						0.00		60							
065	09	1	259	RED		4	60		159	98	F	4						+28VDC
065	09	2	C		30				0.00		245.5							
056	09	1	4	WHT		4	20		159	99		4	20					+28VDC
056	09	2	A						0.00		60							
066	03	1	259	RED		4	60		159	98	F	4						+28VDC
066	03	2	C		30				0.00		242.5							
056	11	1	4	WHT		4	20		159	99		4	20					+28VDC
056	11	2	A						0.00		60							
066	11	1	259	RED		4	60		159	98	F	4						+28VDC
066	11	2	C		30				0.00		244.5							
057	01	1	4	WHT		4	20		159	99		4	20					+28VDC
057	01	2	A						0.00		60							

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0039			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO			
				1	2		S	FIND	1		2	S		FIND	GP	FUNCTION	
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	SC	FUNCTION			
			NOTES			S	STP	FND		NOTES		S	STP	FND	SC	FUNCTION	
			3	4	5	H		FER		3	4	5	H		FER		
067 067	13 13	1 2	259 C	RED		4 30	60	N1TB7-9	159 0.00	98	F 246.5	4	N10TB25-9	159 0.00	98	+28VDC	
051 051	11 11	1 2	3 A	WHT		4 30	20	N1TB8-10A	162 0.00	100	0.0	60	4 20 N1CB19-2	162 0.00	100	+28VDC	
061 061	09 09	1 2	246 C	RED		4 30	60	N1TB8-10B	162 0.00	100	D 300.0	4	N4TB29-1A	162 0.00	100	+28V	
051 051	13 13	1 2	3 A	WHT		4 30	20	N1TB8-11A	162 0.00	100	0.0	60	4 20 N1CB20-2	162 0.00	100	+28VDC	
062 062	03 03	1 2	246 C	RED		4 30	60	N1TB8-11B	162 0.00	100	F 327.0	4	N12TB31-1A	162 0.00	100	+28VDC	
052 052	01 01	1 2	3 A	WHT		4 30	20	N1TB8-12A	162 0.00	100	0.0	60	4 20 N1CB21-2	162 0.00	100	+28VDC	
062 062	11 11	1 2	246 C	RED		4 30	60	N1TB8-12B	162 0.00	100	D 261.0	4	N6TB30-1A	162 0.00	100	+28VDC	
057 057	09 09	1 2	6 A	WHT		4 30	20	N1TB8-1A	190 0.00	98	0.0	60	4 20 N1CB37-2	155 0.00	98	+28VDC	
070 070	11 11	1 2	62 C	RED		4 30	60	N1TB8-1B	190 0.00	96	B 72.0	4	N2TB26-1A	190 0.00	96	+28VDC	
057 057	11 11	1 2	6 A	WHT		4 30	20	N1TB8-2A	190 0.00	98	0.0	60	4 20 N1CB35-2	155 0.00	98	+28VDC	
070 070	13 13	1 2	62 C	RED		4 30	60	N1TB8-2B	190 0.00	96	B 84.0	4	N3TB27-1A	190 0.00	96	+28VDC	

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST							DWG NO. SM-B-817030			PAGE 0040									
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 NOTES 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	KY	NOTES 1 2 NOTES 3 4 5	LOCATION MARKING	TO S H S H	FIND LUG STP	SLV FND FER	GP SC	FUNCTION			
057	13	1	4	WHT		4	20	N1TB8-3A		193	99				4	20	N1CB36-2		159	99	+28VDC	
057	13	2	A							0.00		0.0	60						0.00			
071	01	1	61	RED		4	60	N1TB8-3B		193	97	D			4		N5TB28-1A		193	97	+28VDC	
071	01	2	C		30					0.00		280.0							0.00			
058	01	1	4	WHT		4	20	N1TB8-4A		193	99				4	20	N1CB38-2		159	99	+28VDC	
058	01	2	A							0.00		0.0	60						0.00			
070	03	1	251	RED		4	60	N1TB8-4B		193	98	FH			4		N11TB16-1A		193	98	+28VDC	
070	03	2	C		30					0.00		300.0							0.00			
058	03	1	4	WHT		4	20	N1TB8-5A		193	99				4	20	N1CB39-2		159	99	+28VDC	
058	03	2	A							0.00		0.0	60						0.00			
070	05	1	251	RED		4	60	N1TB8-5B		193	98	FH			4		N11TB16-2A		193	98	+28VDC	
070	05	2	C		30					0.00		300.0							0.00			
058	05	1	4	WHT		4	20	N1TB8-6A		193	99				4	20	N1CB40-2		159	99	+28VDC	
058	05	2	A							0.00		0.0	60						0.00			
070	07	1	251	RED		4	60	N1TB8-6B		193	98	FH			4		N12TB17-1A		193	98	+28VDC	
070	07	2	C		30					0.00		330.0							0.00			
058	07	1	4	WHT		4	20	N1TB8-7A		193	99				4	20	N1CB41-2		159	99	+28VDC	
058	07	2	A							0.00		0.0	60						0.00			
070	09	1	251	RED		4	60	N1TB8-7B		193	98	FH			4		N12TB17-2A		193	98	+28VDC	
070	09	2	C		30					0.00		328.5							0.00			
048	05	1	4	WHT		4	20	N1TB8-8A		193	99				4	20	N1CB15-2		159	99	DCON	
048	05	2	A							0.00		0.0	60						0.00			



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0041		
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION	
				1	2		S	FIND	S		FIND	SLV				
	3	4	5	H	LUG	SLV	S	STP	FND	3	4	5	H	LUG	SLV	FND
084 084	03 03	1 2	259 C	RED		4 30	60	N1TB8-8B	193 0.00	98	F 328.0	4	N7TB22-1B	193 0.00	98	+28VDC
105 105	13 13	1 2	62 C	RED		4 30	60	N1TB8-9B	190 0.00	96	D 193.0	4	N6E36TB3-1B	284 0.00	96	+28VDC
058 058	09 09	1 2	2 A	WHT		4	20	N1TB9-1	167 0.00	99	0.0	4 60	20 N1CB34-2	166 0.00	99	+28VDC
105 105	11 11	1 2	241 C	RED		4 30	60	N1TB9-1B	167 0.00	99	D 182.0	4	N6E36-E2B	167 0.00	99	+28VDC
058 058	11 11	1 2	1 A	WHT		4	20	N1TB9-2	170 0.00	100	0.0	4 60	20 N1CB42-2	170 0.00	100	+28VDC
076 076	03 03	1 2	236 E	RED		4	60	N1TB9-2B	170 0.00	100	25.0	4	N2TB34-1A	170 0.00	100	+28VDC
058 058	13 13	1 2	1 A	WHT		4	20	N1TB9-3	170 0.00	100	0.0	4 60	20 N1CB43-2	170 0.00	100	+28VDC
076 076	05 05	1 2	236 E	RED		4	60	N1TB9-3B	170 0.00	100	53.0	4	N2TB15-1	170 0.00	100	+28VDC
056 056	05 05	1 2	3 A	WHT		4	20	N1TB9-4	163 0.00	100	0.0	4 60	20 N1CB25-2	162 0.00	100	+28VDC
065 065	01 01	1 2	246 C	RED		4 30	60	N1TB9-4	163 0.00	100	F 222.5	4	N10TB25-4	162 0.00	100	+28VDC
056 056	13 13	1 2	3 A	WHT		4	20	N1TB9-6	163 0.00	100	0.0	4 60	20 N1CB29-2	162 0.00	100	+28VDC

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0042					
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	TO		S H S H	FIND		GP SC	FUNCTION		
				1	2		S	FIND	SLV		1	2		S	FIND			SLV	
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	3	4	5				
						H	LUG	FER				H	LUG	FER					
067 067	05 05	1 2	246 C	RED		4 30	60	N1TB9-6		163 0.00	100	F 221.5	4		N10TB25-8		162 0.00	100	+28VDC
040 040	01 01	1 2	58 A	BLK		4		N1W1-1		155 0.00	96	0.0	4 60		N1FL1-2		190 0.00	96	DCRTN
059 059	09 09	1 2	58 A	BLK		4		N1W1-1		155 0.00	96	0.0	4 60		N1TB41-2A		153 0.00	96	DCRTN
087 087	01 01	1 2	244 C	BLK		4 30	60	N1W1-10		162 0.00	100	F 300.0	4		N12TB31-2A		162 0.00	100	DCRTN
077 077	03 03	1 2	234 E	BLK		4		N1W1-13		170 0.00	100	37.0	4 60		N2TB34-3A		170 0.00	100	DCRTN
077 077	07 07	1 2	234 E	BLK		4		N1W1-14		170 0.00	100	50.0	4 60		N2TB15-3		170 0.00	100	DCRTN
087 087	07 07	1 2	234 C	BLK		4 30	60	N1W1-15		172 0.00	100	F 220.0	4		N10W22-13		172 0.00	100	DCRTN
029 029	13 13	1 2	58	BLK		4		N1W1-16		155 0.00	96	0.0	4		N1PS30TB1-2		153 0.00	96	DCRTN DCRTN
044 044	09 09	1 2	58 A	BLK		4		N1W1-16		155 0.00	96	0.0	4 60		N1T4TB1-2		153 0.00	96	DCRTN
086 086	11 11	1 2	257 C	BLK		4 30	60	N1W1-17		155 0.00	98	D 251.5	4		N5TB28-2A		193 0.00	98	DCRTN
074 074	09 09	1 2	58 E	BLK		4		N1W1-18		155 0.00	96	40.0	4 60		N1TB21-2A		153 0.00	96	DCRTN

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0043				
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION		
				1	2	3		S	FIND	LOC		S	FIND	LOC				
				1	2	3	H	LUG	SLV		1	2	H	LUG	SLV			
			3	4	5	S	STP	FND		3	4	5	S	STP	FND			
086 086	07 07	1 2	57 C	BLK		4 30	60	N1W1-19		155 0.00	96	B 79.0	4	N2TB26-2A		190 0.00	96	DCRTN
046 046	13 13	1 2	7 A	WHT		4 60	20	N1W1-2		155 0.00	97	0.0	60	4 20 N1CB3-8		155 0.00	97	DCRTN
046 046	11 11	1 2	7 A	WHT		4 60	20	N1W1-2		155 0.00	97	0.0	4 20	N1M7-NEG		191 0.00	97	DCRTN
087 087	03 03	1 2	244 C	BLK		4 30	60	N1W1-25		162 0.00	100	D 223.0	4	N6TB30-2A		162 0.00	100	DCRTN
086 086	13 13	1 2	244 C	BLK		4 30	60	N1W1-26		162 0.00	100	D 265.0	4	N4TB29-2A		162 0.00	100	DCRTN
084 084	11 11	1 2	239 C	BLK		4 60		N1W1-27		167 0.00	99	D 160.0	30	4 60 N6E36-E4B		167 0.00	99	DCRTN
090 090	09 09	1 2	234 C	BLK		4 30	60	N1W1-29		170 0.00	100	F 212.0	4	N10W23-13		172 0.00	100	DCRTN
047 047	01 01	1 2	57 A	BLK		4 60		N1W1-3		155 0.00	96	0.0	4 60	N1PS1TB2-1		153 0.00	96	DCRTN
047 047	07 07	1 2	7 A	WHT		4 60	20	N1W1-3		155 0.00	97	0.0	10 60	N1XK2-X2		281 0.00	97	DCRTN
087 087	05 05	1 2	234 C	BLK		4 30	60	N1W1-30		172 0.00	100	F 200.0	4	N10W23-13		172 0.00	100	DCRTN
085 085	05 05	1 2	249 C	BLK		4 60		N1W1-31		159 0.00	98	HF 275.0	30	4 60 N11TB16-4A		193 0.00	98	DCRTN

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0044		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	GP	FUNCTION			
FND	KCD	KSQ	1	2	MARKING	S	FIND	LENGTH	1	2	MARKING	S	FIND	GP	FUNCTION			
			NOTES	NOTES		H	LUG	SLV	NOTES	NOTES		H	LUG	SLV	SC	FUNCTION		
			3	4	5	S	STP	FND	3	4	5	S	STP	FND				
						H		FER				H		FER				
072	05	1	249	BLK	4	N1W1-32		159	98	HF		4	60	N12TB17-3A		193	98	DCRTN
072	05	2	C					0.00		292.0	30					0.00		
084	13	1	249	BLK	4	N1W1-33		159	98	HF		4	60	N11TB16-3A		193	98	DCRTN
084	13	2	C					0.00		273.0	30					0.00		
072	07	1	249	BLK	4	N1W1-34		159	98	HF		4	60	N12TB17-4A		193	98	DCRTN
072	07	2	C					0.00		300.0	30					0.00		
039	03	1	273	GRN	4	N1W1-35		180	102			4	60	N1E1		180	102	GND
039	03	2	E					0.00		26.0						0.00		
041	03	1	17	BLK	4	N1W1-35		180	102	D		4	60	N3E24B		181	102	DCRTN
041	03	2	C					0.00		51.0	30					0.00		
086	09	1	57	BLK	4	60	N1W1-36		155	96	B	4		N3TB27-2A		190	96	DCRTN
086	09	2	C	30				0.00		95.0						0.00		
059	01	1	7	WHT	4	20	N1W1-37		155	97		20	60	N1XK2-A2		281	97	DCRTN
059	01	2	A					0.00		0.0						0.00		
059	03	1	7	WHT	4	20	N1W1-37		155	97		20	60	N1XK2-B2		281	97	DCRTN
059	03	2	A					0.00		0.0						0.00		
047	09	1	7	WHT	4	20	N1W1-4		155	97		4	20	N1S20-2		153	97	DCRTN
047	09	2	A					0.00		0.0	60					0.00		
040	11	1	17	BLK	4		N1W1-40		180	102		4	60	N1A23E4		180	102	DCRTN
040	11	2	E					0.00		22.0						0.00		
084	09	1	58	BLK	4	60	N1W1-5		155	96		4		N3TB13-2		153	96	DCRTN
084	09	2	C					0.00		93.0						0.00		

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0045				
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	TO		S H S H	FIND		GP SC	FUNCTION	
				1	2		S	FIND	SLV		1	2		S	FIND			SLV
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	3	4	5			
						H	LUG	FER				H	LUG	FER				
106 106	01 01	1 2	57 C	BLK		4 30	60	N1W1-6		155 0.00	96	D 175.0	4		N6E36TB3-2B	284 0.00	96	28VRTN
074 074	11 11	1 2	257 C	BLK		4		N1W1-7		159 0.00	98		4 60		N7TB22-2B	193 0.00	98	DCRTN
086 086	05 05	1 2	58 C	BLK		4 30	60	N1W1-9		155 0.00	96	D 245.0	4		A58TB1-2B	153 0.00	96	DCRTN
054 054	07 07	1 2	2 A	WHT		4	20	N1W2-1		169 0.00	100		4 60	20	N1CB34-1	166 0.00	100	+28VDC
055 055	11 11	1 2	1 A	WHT		4	20	N1W2-12		172 0.00	100		4 60	20	N1CB43-1	170 0.00	100	+28VDC
053 053	05 05	1 2	4 A	WHT		4	20	N1W2-13		194 0.00	99		4 60	20	N1CB26-1	159 0.00	99	+28VDC
053 053	07 07	1 2	4 A	WHT		4	20	N1W2-13		194 0.00	99		4 60	20	N1CB27-1	159 0.00	99	+28VDC
053 053	09 09	1 2	4 A	WHT		4	20	N1W2-14		194 0.00	99		4 60	20	N1CB28-1	159 0.00	99	+28VDC
055 055	01 01	1 2	4 A	WHT		4	20	N1W2-15		194 0.00	99		4 60	20	N1CB38-1	159 0.00	99	+28VDC
055 055	03 03	1 2	4 A	WHT		4	20	N1W2-15		194 0.00	99		4 60	20	N1CB39-1	159 0.00	99	+28VDC
055 055	05 05	1 2	4 A	WHT		4	20	N1W2-16		194 0.00	99		4 60	20	N1CB40-1	159 0.00	99	+28VDC

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0046						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO			GP SC	FUNCTION FUNCTION
				1	2			S	FIND				1	2		S	FIND			
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	H	LUG	SLV					
			S	STP	FND				H	STP	FND				FND	FER				
055 055	07 07	1 2	4 A	WHT		4 20	N1W2-16		194 0.00	99		0.0	60	4 20	N1CB41-1		159 0.00	99		+28VDC
047 047	03 03	1 2	4 A	WHT		4 20	N1W2-17		159 0.00	95		0.0	60	4 20	N1CB15-1		159 0.00	99		+28VDC
052 052	05 05	1 2	3 A	WHT		4 20	N1W2-18		162 0.00	100		0.0	60	4 20	N1CB19-1		162 0.00	100		+28VDC
055 055	09 09	1 2	1 A	WHT	34	4 20	N1W2-2		172 0.00	100		0.0	60	4 20	N1CB42-1		170 0.00	100		+28VDC
047 047	05 05	1 2	7 A	WHT		4 20	N1W2-20		155 0.00	97		0.0	60	4 20	N1CB16-1		155 0.00	97		+28VDC
052 052	03 03	1 2	7 A	WHT		4 20	N1W2-20		155 0.00	97		0.0	60	4 20	N1CB18-1		155 0.00	97		+28VDC
053 053	03 03	1 2	3 A	WHT		4 20	N1W2-21		165 0.00	100		0.0	60	4 20	N1CB25-1		162 0.00	100		+28VDC
053 053	11 11	1 2	3 A	WHT		4 20	N1W2-23		165 0.00	100		0.0	60	4 20	N1CB29-1		162 0.00	100		+28VDC
052 052	11 11	1 2	4 A	WHT		4 20	N1W2-3		194 0.00	99		0.0	60	4 20	N1CB22-1		159 0.00	99		+28VDC
052 052	13 13	1 2	4 A	WHT		4 20	N1W2-3		194 0.00	99		0.0	60	4 20	N1CB23-1		159 0.00	99		+28VDC
053 053	01 01	1 2	4 A	WHT		4 20	N1W2-4		194 0.00	99		0.0	60	4 20	N1CB24-1		159 0.00	99		+28VDC

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0047						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO			GP SC	FUNCTION
				1	2			S	FIND				1	2		S	FIND			
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	H	LUG	SLV					
			S	STP	FND				H		FND			FND						
053 053	13 13	1 2	4 A	WHT	4	20	N1W2-5	194 0.00	99		0.0	60	4	20	N1CB30-1	159 0.00	99	+28VDC		
054 054	01 01	1 2	4 A	WHT	4	20	N1W2-5	194 0.00	99		0.0	60	4	20	N1CB31-1	159 0.00	99	+28VDC		
054 054	03 03	1 2	4 A	WHT	4	20	N1W2-6	194 0.00	99		0.0	60	4	20	N1CB32-1	159 0.00	99	+28VDC		
054 054	05 05	1 2	4 A	WHT	4	20	N1W2-6	194 0.00	99		0.0	60	4	20	N1CB33-1	159 0.00	99	+28VDC		
052 052	07 07	1 2	3 A	WHT	4	20	N1W2-7	162 0.00	100		0.0	60	4	20	N1CB20-1	162 0.00	100	+28VDC		
052 052	09 09	1 2	3 A	WHT	4	20	N1W2-7	162 0.00	100		0.0	60	4	20	N1CB21-1	162 0.00	100	+28VDC		
054 054	09 09	1 2	6 A	WHT	4	20	N1W2-8	155 0.00	98		0.0	60	4	20	N1CB35-1	155 0.00	98	+28VDC		
054 054	11 11	1 2	6 A	WHT	4	20	N1W2-8	155 0.00	98		0.0	60	4	20	N1CB37-1	155 0.00	98	+28VDC		
054 054	13 13	1 2	4 A	WHT	4	20	N1W2-9	159 0.00	99		0.0	60	4	20	N1CB36-1	159 0.00	99	+28VDC		
028 028	13 13	1 2	1 E	WHT	4	34	N1W3-1	172 0.00	100		24.0	60	4	34	N1FL5-LOAD	172 0.00	100	NEUTRAL		
029 029	09 09	1 2	6 A	WHT	4	36	N1W3-3	155 0.00	98		0.0		4	60	N1PS1TB1-4	190 0.00	98	NEUTRAL		

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0048					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2	MARKING			H	LUG	SLV
			S	STP	FND	3	4	5	S	STP	FND	H		FER					
029 029	01 01	1 2	6 A	WHT		4 36	N1W3-4		155 0.00	98		0.0	60	4 6	N1J13-SIL		0.00	98	NEUTRAL
031 031	03 03	1 2	51 A	WHT		4	N1W3-5		155 0.00	96		0.0	4 60	N1M2-2		191 0.00	96	NEUTRAL	
031 031	11 11	1 2	53 C	WHT		4 27	N1W3-6		151 0.00	95	126.0	40 19	4 60	N3P35-B B		0.00	95	AI NEUTRAL	
034 034	03 03	1 2	50 A	WHT		4 36	N1W3-8		155 0.00	96		0.0	4 60	N1A24TB1-5		153 0.00	96	NEUTRAL	
034 034	11 11	1 2	7 A	WHT		64 60 63	N1XDS15-NEG		0.00			0.0	4 20	N1TB5-7A		153 0.00	97	115VAC	
034 034	09 09	1 2	7 A	WHT		64 63	N1XDS15-POS		0.00			0.0	60 4 20	N1TB5-6A		153 0.00	97	115VAC	
035 035	09 09	1 2	7 A	WHT		64 60 60	N1XDS17-NEG		0.00			0.0	4 20	N1TB5-9A		153 0.00	96	115VAC	
035 035	07 07	1 2	7 A	WHT		64 63	N1XDS17-POS		0.00			0.0	60 4 20	N1TB5-8A		153 0.00	97	115VAC	
048 048	11 11	1 2	7 A	WHT		10 60	N1XK1-B2		0.00	97		0.0	4 20	N1TB6-13B		153 0.00	97	+24V	
059 059	01 01	1 2	7 A	WHT		20 60	N1XK2-A2		281 0.00	97		0.0	4 20	N1W1-37		155 0.00	97	DCRTN	
059 059	03 03	1 2	7 A	WHT		20 60	N1XK2-B2		281 0.00	97		0.0	4 20	N1W1-37		155 0.00	97	DCRTN	









Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0052						
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO						
				1	2		S	FIND	1		2	S		FIND	GP	FUNCTION				
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	SC	FUNCTION						
						S	STP	FND												
077 077	07 07	1 2	234 E	BLK		4 60	N2TB15-3		170 0.00	100		50.0		4	N1W1-14		170 0.00	100		DCRTN
077 077	05 05	1 2	1 G	WHT		4 20	N2TB15-3		170 0.00	100		43.0	60	40 19	N2P7-C		0.00		G	DCRTN
061 061	05 05	1 2	63 E	RED		4	N2TB21-1A		153 0.00	96		44.0		4 60	N1TB6-9B		153 0.00	96		+28V
061 061	07 07	1 2	68 G	RED		4 60	N2TB21-1B		150 0.00	95		48.0	27	4 18 19	N2P31-2 2		0.00		95	AE +28V
070 070	11 11	1 2	62 C	RED		4	N2TB26-1A		190 0.00	96		B 72.0	30	4 60	N1TB8-1B		190 0.00	96		+28VDC
087 087	11 11	1 2	65 C	RED		4 27	N2TB26-1B		186 0.00	95		27.0	60	4 40 19	N2P28-A A		0.00		95	AB +28VDC
086 086	07 07	1 2	57 C	BLK		4	N2TB26-2A		190 0.00	96		B 79.0	30	4 60	N1W1-19		155 0.00	96		DCRTN
087 087	13 13	1 2	60 C	BLK		4 27	N2TB26-2B		186 0.00	95		27.5	60	4 40 19	N2P28-B B		0.00		95	AB DCRTN
074 074	01 01	1 2	66 E	GRN		4 60	N2TB26-3A		190 0.00	96		21.0		4	N2E32		191 0.00	96		GND
088 088	01 01	1 2	72 C	GRN		4 27	N2TB26-3B		186 0.00	95		28.0	60	4 40 19	N2P28-C C		0.00		95	AB GND
035 035	03 03	1 2	75 G	GRA		4 27	N2TB32-1A		190 0.00	96		47.0	60	40 19	N2P2-C		0.00		B	115VAC

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0053				
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO			GP SC	FUNCTION
				1	2		S	FIND	1		2	S		FIND	S	FIND		
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	S	STP	FND	FER		
035 035	05 05	1 2	75 E	GRA	4	60	N2TB32-1B	190 0.00	96	73.0	4	N1TB5-8B	153 0.00	96	115VAC			
035 035	13 13	1 2	75 G	GRA	4	60	N2TB32-2A	190 0.00	96	46.0	40 19	27 N2P2-E	0.00		B	115VAC		
035 035	11 11	1 2	75 E	GRA	4		N2TB32-2B	190 0.00	96	74.0	4 60	N1TB5-9B	153 0.00	96	115VAC			
037 037	01 01	1 2	263 G	GRA	4	27	N2TB32-3A	195 0.00	97	45.0	60 19	40 N2P2-B	0.00		B	115VAC		
038 038	11 11	1 2	263 C	GRA	4		N2TB32-3B	195 0.00	97	EC 182.0	30 4 60	N12TB24-1A	193 0.00	97	115VAC			
037 037	03 03	1 2	263 G	GRA	4	27	N2TB32-4A	195 0.00	97	44.0	60 19	40 N2P2-F	0.00		B	115VAC		
038 038	13 13	1 2	263 C	GRA	4		N2TB32-4B	195 0.00	97	EC 190.0	30 4 60	N12TB24-2A	193 0.00	97	115VAC			
037 037	05 05	1 2	67 G	GRN	4	27	N2TB32-5A	190 0.00	96	43.0	60 19	40 N2P2-G	0.00		B	GND		
039 039	01 01	1 2	67 C	GRN	4		N2TB32-5B	190 0.00	96	EC 182.0	30 4 60	N12TB24-3A	190 0.00	96	GND			
034 034	05 05	1 2	75 G	GRA	4		N2TB33-1A	190 0.00	96	47.0	60 19 27	N2P1-C	0.00		A	115VAC		
034 034	07 07	1 2	75 E	GRA	4	60	N2TB33-1B	190 0.00	96	69.0	4	N1TB5-6B	153 0.00	96	115VAC			

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0054								
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION						
				1	2	3		S	FIND	LOC		S	FIND	LOC								
	3	4	5	H	LUG	SLV	1	2	3	4	5	H	LUG	SLV								
			NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	FER	FER								
035 035	01 01	1 2	75 G	GRA		4	60	N2TB33-2A		190 0.00	96		46.0		40	N2P1-E		0.00			115VAC	
034 034	13 13	1 2	75 E	GRA		4		N2TB33-2B		190 0.00	96		68.0		4	60	N1TB5-7B		153 0.00	96		115VAC
036 036	09 09	1 2	263 G	GRA		4	27	N2TB33-3A		195 0.00	97		45.0	60	19	40	N2P1-B		0.00		A	115VAC
038 038	05 05	1 2	263 C	GRA		4		N2TB33-3B	EC	195 0.00	97		201.0	30	4	60	N11TB23-1A		193 0.00	97		115VAC
036 036	11 11	1 2	263 G	GRA		4	27	N2TB33-4A		195 0.00	97		44.0	60	19	40	N2P1-F		0.00		A	115VAC
038 038	07 07	1 2	263 C	GRA		4		N2TB33-4B	EC	195 0.00	97		201.0	30	4	60	N11TB23-2A		193 0.00	97		115VAC
036 036	13 13	1 2	67 G	GRN		4	27	N2TB33-5A		190 0.00	96		43.0	60	19	40	N2P1-G		0.00		A	GND
038 038	09 09	1 2	67 C	GRN		4		N2TB33-5B	EC	190 0.00	96		200.5	30	4	60	N11TB23-3A		190 0.00	96		GND
076 076	03 03	1 2	236 E	RED		4		N2TB34-1A		170 0.00	100		25.0		4	60	N1TB9-2B		170 0.00	100		+28VDC
086 086	01 01	1 2	1 G	WHT	27	4	20	N2TB34-1B		170 0.00	100		43.0	60	40 19	40	N2P6-A		0.00		F	+28VDC
077 077	11 11	1 2	262 E	GRN		4	60	N2TB34-2B		159 0.00	98		27.0		4		N1E21		194 0.00	98		GND

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0055								
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION						
				1	2	3		S	FIND	LOC		S	FIND	GP								
				1	2		H	LUG	SLV		1	2		H	LUG	SLV						
			3	4	5	S	STP	FND		3	4	5	S	STP	FND							
077 077	09 09	1 2	262 G	GRN		4	27	N2TB34-2B		159 0.00	98		43.0	60	19	40	N2P6-B		0.00	98	F	GND
077 077	03 03	1 2	234 E	BLK		4	60	N2TB34-3A		170 0.00	100		37.0			4	N1W1-13		170 0.00	100		DCRTN
077 077	01 01	1 2	1 G	WHT		4	20	N2TB34-3B		170 0.00	100		43.0	60	19	40	N2P6-C		0.00		F	DCRTN
084 084	07 07	1 2		BLK		9	60	N3A26-NEG		279 0.00			B 15.0			4	N3TB13-2		150 0.00	94		DCRTN
060 060	11 11	1 2		RED		9	59	N3A26-POS		279 0.00			15.0	4	60		N3TB13-1		150 0.00	94		+28VDC
041 041	13 13	1 2	17 F	BLK		4	60	N3BT1-NEG		180 0.00	102		22.5			4	N3E24		181 0.00	102		DCRTN
041 041	11 11	1 2	18 F	WHT		4	60	N3BT1-POS		180 0.00	102		4.5			4	N3BT2-NEG		180 0.00	102		
041 041	11 11	1 2	18 F	WHT		4		N3BT2-NEG		180 0.00	102		4.5		60		N3BT1-POS		180 0.00	102		
041 041	09 09	1 2	19 F	RED		4		N3BT2-POS		180 0.00	102		29.0	4	60		N3CB11-1		9 0.00	102		+28VDC
036 036	07 07	1 2	17 F	BLK		4	26	N3BT3-NEG		180 0.00	102		45.0	60		4	N2E24B		181 0.00	102		DCRTN
042 042	01 01	1 2	18 F	WHT		4	26	N3BT3-POS		180 0.00	102		4.5		26	4	N3BT4-NEG		180 0.00	102		

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0056		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	GP	FUNCTION			
FND	KCD	KSQ	1	2	MARKING	S	FIND	LENGTH	1	2	MARKING	S	FIND	GP	FUNCTION			
			3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	SC	FUNCTION		
						S	STP	FND				S	STP	FND				
						H		FER				H		FER				
042	01	1	18	WHT		4	26	N3BT4-NEG		180	102							
042	01	2	F						4.5	60				180	102			
										0.00				0.00				
042	03	1	19	RED		4	26	N3BT4-POS		180	102			9	102	+28VDC		
042	03	2	F		60				65.0	57				0.00				
										0.00								
041	09	1	19	RED		4	60	N3CB11-1		9	102			180	102	+28VDC		
041	09	2	F						29.0					0.00				
										0.00								
041	05	1	19	RED		4		N3CB11-2		9	102			9	102	+28VDC		
041	05	2	F						12.0					0.00				
										0.00								
042	05	1	63	RED		4	57	N3CB11-6		190	96			190	96	28VRD		
042	05	2	F						14.0	60				0.00				
										0.00								
042	07	1	63	RED		4	57	N3CB11-6		190	96		6			28VRD		
042	07	2	F		60				33.0					0.00				
										0.00								
043	03	1	53	WHT		4	57	N3CB11-7		186	96				95	BB1		
043	03	2	F		60				36.0					0.00				
										0.00								
041	07	1	19	RED		4		N3CB12-2		9	102			9	102	+28VDC		
041	07	2	F						20.0					0.00				
										0.00								
042	05	1	63	RED		4	57	N3CB12-6		190	96			190	96	28VRD		
042	05	2	F		60				14.0					0.00				
										0.00								
042	11	1	65	RED		4	57	N3CB12-7		186	95				95	BB2		
042	11	2	F		60				43.0					0.00				
										0.00								
041	01	1	19	RED		4		N3E23		181	102			180	102	+28VDC		
041	01	2	E						52.0	60	4 25 39 30			0.00				
										0.00								



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0057			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	TO		S H S H	FIND		GP SC	FUNCTION
				1	2		S	FIND	S		FIND	S		FIND			
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV					
			NOTES			STP	FND	FER	NOTES			STP	FND	FER			
041 041	05 05	1 2	19 F	RED		4 60	N3E23B		9 0.00	102	12.0	4	N3CB11-2		9 0.00	102	+28VDC
041 041	07 07	1 2	19 F	RED		4 60	N3E23B		9 0.00	102	20.0	4	N3CB12-2		9 0.00	102	+28VDC
041 041	13 13	1 2	17 F	BLK		4	N3E24		181 0.00	102	22.5	4 60	N3BT1-NEG		180 0.00	102	DCRTN
041 041	03 03	1 2	17 C	BLK	30	4 60	N3E24B		181 0.00	102	D 51.0	4	N1W1-35		180 0.00	102	DCRTN
032 032	03 03	1 2	60 F	BLK		6	N3E26				8.0	4 60	N3TB4-2A		150 0.00	95	115VAC
032 032	13 13	1 2	60 F	BLK		60	N3E27				8.0	4	N3TB4-4A		150 0.00	95	115VAC
074 074	03 03	1 2	66 E	GRN		4	N3E33		191 0.00	96	21.0	4 60	N3TB27-3A		190 0.00	96	GND
033 033	11 11	1 2	58 C	BLK		4 6	N3J14-BRASS			96	A 87.5	4 60	N1PS30TB1-3	30	153 0.00	96	115VAC
034 034	01 01	1 2	66 C	GRN	30	4 60	N3J14-GRN		190 0.00	96	A 85.0	4	N1E17		191 0.00	96	GND
033 033	13 13	1 2	51 C	WHT	60	4 6	N3J14-SIL			96	A 82.0	4	N1PS30TB1-4		153 0.00	96	NEUTRAL
032 032	09 09	1 2	60 F	BLK		4 6	N3J93-A			95	8.0	4 60	N3TB4-2A		150 0.00	95	115VAC

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0058		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	S	FIND	GP	FUNCTION	
FND	KCD	KSQ	1	2	MARKING	S	LENGTH	1	2	MARKING	S	H	LUG	SLV	SC	FUNCTION		
			3	4	5	H		3	4	5	H	S	STP	FND				
						H					H			FER				
032	07	1	53	WHT		4	6	N3J93-B			95							
032	07	2	F						0.00	7.0		4	60	N3TB4-1A		150	95 NEUTRAL	
															0.00			
088	03	1	65	RED		4	40	N3P29-A			95							
088	03	2	C		60	19		A	0.00	27.0		4	27	N3TB27-1B		186	95 AC +28VDC	
															0.00			
088	05	1	60	BLK		4	40	N3P29-B			95							
088	05	2	C		60	19		B	0.00	27.5		4	27	N3TB27-2B		186	95 AC DCRTN	
															0.00			
088	07	1	72	GRN		4	40	N3P29-C			95							
088	07	2	C		60	19		C	0.00	28.0		4	27	N3TB27-3B		186	95 AC GND	
															0.00			
031	13	1	60	BLK		4	40	N3P35-A			95	4	60	N1TB5-5B		150	95 AI 115VAC	
031	13	2	C		27	19		A	0.00	110.0					0.00			
031	11	1	53	WHT		4	60	N3P35-B			95							
031	11	2	C		40	19		B	0.00	126.0		4	27	N1W3-6		151	95 AI NEUTRAL	
															0.00			
043	07	1				60	9	N3S14-1				4		N3TB10-1		150	96 TEMP-1	
043	07	2	F						0.00	10.0					0.00			
043	11	1				60	9	N3S14-2				4		N3TB10-3		150	96 TEMP-2	
043	11	2	F						0.00	11.0					0.00			
043	09	1	53	WHT		4	60	N3TB10-1	150		96	4	15	N1P5-G			95 E TEMP-1	
043	09	2	A		30	13			0.00	0.0		19	G		0.00			
043	07	1				4		N3TB10-1	150		96	60	9	N3S14-1			TEMP-1	
043	07	2	F						0.00	10.0					0.00			
043	01	1	53	WHT		4	60	N3TB10-2	150		96	4		N1TB6-2B		150	96 BB2	
043	01	2	C		30				0.00	124.0					0.00			

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0059			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO			
				1	2		S	FIND	SLV		1	2		S	FIND	SLV	
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	SC	FUNCTION			
			H	LUG	FER				H	LUG	FER						
042 042	11 11	1 2	65 F	RED		4 6	N3TB10-2			95		4 57	N3CB12-7		186 0.00	95	BB2
043 043	13 13	1 2	53 A	WHT	30	4 60 13	N3TB10-3	150 0.00	95	D 0.0	4 15 19	N1P5-H H		0.00	95	E	TEMP-2
043 043	11 11	1 2				4	N3TB10-3	150 0.00	96		60 9	N3S14-2		0.00			TEMP-2
043 043	05 05	1 2	53 C	WHT	30	4 60	N3TB10-4	150 0.00	96	D 124.0	4	N1TB6-1B		150 0.00	96		BB1
043 043	03 03	1 2	53 F	WHT		4 6	N3TB10-4	0.00	95		4 57	N3CB11-7		186 0.00	96		BB1
042 042	09 09	1 2	63 C	RED	30	4 60	N3TB10-5	190 0.00	96	D 101.0	4	N1T4TB1-1		153 0.00	96		28VRD
042 042	07 07	1 2	63 F	RED		6	N3TB10-5	0.00			4 57	N3CB11-6		190 0.00	96		28VRD
060 060	13 13	1 2	63 C	RED		4	N3TB13-1	153 0.00	96	B 84.0	4 60	N1TB6-4B		153 0.00	96		+28VDC
060 060	11 11	1 2		RED		4 60	N3TB13-1	150 0.00	94		9 59	N3A26-POS		279 0.00			+28VDC
084 084	09 09	1 2	58 C	BLK		4	N3TB13-2	153 0.00	96		4 60	N1W1-5		155 0.00	96		DCRTN
084 084	07 07	1 2		BLK		4	N3TB13-2	150 0.00	94	B 15.0	9 60 59 30	N3A26-NEG		279 0.00			DCRTN

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0060					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2				H	LUG	SLV
			S	STP	FND	3	4	5	S	STP	FND	H		FER					
070 070	13 13	1 2	62 C	RED	4		N3TB27-1A	190 0.00	96	B 84.0	4 30	60	N1TB8-2B	190 0.00	96	+28VDC			
088 088	03 03	1 2	65 C	RED	4	27	N3TB27-1B	186 0.00	95	27.0	4 60	40 19	N3P29-A A	0.00	95	AC +28VDC			
086 086	09 09	1 2	57 C	BLK	4		N3TB27-2A	190 0.00	96	B 95.0	4 30	60	N1W1-36	155 0.00	96	DCRTN			
088 088	05 05	1 2	60 C	BLK	4	27	N3TB27-2B	186 0.00	95	27.5	4 60	40 19	N3P29-B B	0.00	95	AC DCRTN			
074 074	03 03	1 2	66 E	GRN	4	60	N3TB27-3A	190 0.00	96	21.0	4		N3E33	191 0.00	96	GND			
088 088	07 07	1 2	72 C	GRN	4	27	N3TB27-3B	186 0.00	95	28.0	4 60	40 19	N3P29-C C	0.00	95	AC GND			
032 032	07 07	1 2	53 F	WHT	4	60	N3TB4-1A	150 0.00	95	7.0	4	6	N3J93-B	0.00	95	NEUTRAL			
032 032	05 05	1 2	54 F	WHT	4	60	N3TB4-1B	150 0.00	94	10.0	4		N2B1TB1-1	279 0.00	94	NEUTRAL			
032 032	03 03	1 2	60 F	BLK	4	60	N3TB4-2A	150 0.00	95	8.0	6		N3E26	0.00		115VAC			
032 032	09 09	1 2	60 F	BLK	4	60	N3TB4-2A	150 0.00	95	8.0	4	6	N3J93-A	0.00	95	115VAC			
032 032	11 11	1 2	55 F	BLK	4	60	N3TB4-2B	150 0.00	94	11.0	4		N2B1TB1-2	279 0.00	94	115VAC			

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0061				
	WI	CLR	KY	NOTES		LOCATION	FROM			ROUTE	KY NOTES		LOCATION	TO				
				1	2		S	FIND	LENGTH		1	2		S	FIND	GP	FUNCTION	
	FND	KCD	KSQ	3	4	5	MARKING	H	LUG	SLV	3	4	5	H	LUG	SLV	SC	FUNCTION
							S	STP	FND				S	STP	FND			
							H		FER				H		FER			
032	13	1	60	BLK		4	N3TB4-4A		150	95		60	N3E27					115VAC
032	13	2	F						0.00		8.0				0.00			
033	01	1	55	BLK		60	N3TB4-4B		150	94		4	N2B1TB1-3		279	94		115VAC
033	01	2	F						0.00		12.0				0.00			
106	09	1	251	RED		4 60	N4A13TB1-1		195	98	G	37 4	N6TB3-11A		195	98		+5V
106	09	2	C		30				0.00		186.0	49			0.00			
106	11	1	63	RED		4 60	N4A13TB1-4		153	96	G	4	N6E36-E7A		191	96		+5V
106	11	2	C		30				0.00		207.0				0.00			
078	05	1	247	GRN		4	N4E31		163	99		4 60	N4TB29-3A		162	99		GND
078	05	2	E						0.00		26.0				0.00			
061	11	1	61	RED		4 16	N4P32-A			97		4 60	N4TB29-1A		193	97	AF	+28V
061	11	2	G		27 19		A		0.00		48.0				0.00			
061	13	1	61	RED		4 16	N4P32-B			97		4 60	N4TB29-1B		193	97	AF	+28V
061	13	2	G		27 19		B		0.00		40.0				0.00			
062	01	1	61	RED		4 16	N4P32-C			97		4 60	N4TB29-1B		193	97	AF	+28VDC
062	01	2	G		27 19		C		0.00		40.0				0.00			
074	13	1	56	BLK		4 16	N4P32-D			97		4 27	N4TB29-2A		193	97	AF	DCRTN
074	13	2	G		60 19		D		0.00		49.0				0.00			
075	01	1	56	BLK		4 16	N4P32-E			97		4 27	N4TB29-2B		193	97	AF	DCRTN
075	01	2	G		60 19		E		0.00		41.0				0.00			
075	03	1	56	BLK		4 16	N4P32-F			97		4 27	N4TB29-2B		193	97	AF	DCRTN
075	03	2	G		60 19		F		0.00		41.0				0.00			

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0062								
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO						
				1	2	3		S	FIND	SLV			1	2		S	FIND	SLV	GP	FUNCTION		
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	SC	FUNCTION								
H	LUG	FER	H		FER	H			H													
078 078	03 03	1 2	262 G	GRN		4 60	16 19	N4P32-H H			98			42.0	4	27	N4TB29-35		193 0.00	97	AF	GND
061 061	03 03	1 2	63 C	RED		4		N4S3-C		189 0.00	96		164.0	4	60	N1TB6-8B		153 0.00	96		+24V	
061 061	01 01	1 2	51 C	WHT		4		N4S3-NO		189 0.00	96		164.0	4	60	N1TB6-7B		153 0.00	96		VENT SW	
061 061	09 09	1 2	246 C	RED		4		N4TB29-1A		162 0.00	100		300.0	4	60	N1TB8-10B		162 0.00	100		+28V	
061 061	11 11	1 2	61 G	RED		4	60	N4TB29-1A		193 0.00	97		48.0	4	16	N4P32-A A		0.00		97	AF	+28V
061 061	13 13	1 2	61 G	RED		4	60	N4TB29-1B		193 0.00	97		40.0	4	16	N4P32-B B		0.00		97	AF	+28V
062 062	01 01	1 2	61 G	RED		4	60	N4TB29-1B		193 0.00	97		40.0	4	16	N4P32-C C		0.00		97	AF	+28VDC
086 086	13 13	1 2	241 C	BLK		4		N4TB29-2A		162 0.00	100		265.0	4	60	N1W1-26		162 0.00	100		DCRTN	
074 074	13 13	1 2	56 G	BLK		4	27	N4TB29-2A		193 0.00	97		49.0	4	16	N4P32-D D		0.00		97	AF	DCRTN
075 075	01 01	1 2	56 G	BLK		4	27	N4TB29-2B		193 0.00	97		41.0	4	16	N4P32-E E		0.00		97	AF	DCRTN
075 075	03 03	1 2	56 G	BLK		4	27	N4TB29-2B		193 0.00	97		41.0	4	16	N4P32-F F		0.00		97	AF	DCRTN

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0063		
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO		
				1	2		S	FIND	1		2	S		FIND	GP	FUNCTION
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	SC	FUNCTION		
						S	STP	FND								
						H		FER								
078 078	03 03	1 2	262 G	GRN	4	27	N4TB29-35	193 0.00	97	42.0	4 60	16 19	N4P32-H H	98	AF	GND
078 078	05 05	1 2	247 E	GRN	4	60	N4TB29-3A	162 0.00	99	26.0	4		N4E31	163 0.00	99	GND
074 074	05 05	1 2	262 E	GRN	4		N5E29	194 0.00	98	25.0	4	60	N5TB28-3A	193 0.00	98	GND
088 088	09 09	1 2	65 G	RED	60	40	N5P30-A A	0.00	95	27.0	4	27	N5TB28-1B	186 0.00	95	AD +28VDC
088 088	11 11	1 2	60 G	BLK	60	40	N5P30-B B	0.00	95	27.5	4	27	N5TB28-2B	186 0.00	95	AD DCRTN
088 088	13 13	1 2	72 G	GRN	60	40	N5P30-C C	0.00	95	28.0	4	27	N5TB28-3B	186 0.00	95	AD GND
071 071	01 01	1 2	61 C	RED	4		N5TB28-1A	193 0.00	97	D 280.0	4	60	N1TB8-3B	193 0.00	97	+28VDC
088 088	09 09	1 2	65 G	RED	4	27	N5TB28-1B	186 0.00	95	27.0	60	40	N5P30-A A	0.00	95	AD +28VDC
086 086	11 11	1 2	257 C	BLK	4		N5TB28-2A	193 0.00	98	D 251.5	4	60	N1W1-17	155 0.00	98	DCRTN
088 088	11 11	1 2	60 G	BLK	4	27	N5TB28-2B	186 0.00	95	27.5	60	40	N5P30-B B	0.00	95	AD DCRTN
074 074	05 05	1 2	262 E	GRN	4	60	N5TB28-3A	193 0.00	98	25.0	4		N5E29	194 0.00	98	GND

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0064					
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO					
				1	2		S	FIND	SLV		1	2		S	FIND	GP	FUNCTION		
	3	4	5	H	LUG	STP	FND	3	4	5	H	LUG	STP	FND	SC	FUNCTION			
088 088	13 13	1 2	72 G	GRN		4 27	N5TB28-3B		186 0.00	95	28.0	60	4 19	40	N5P30-C C	0.00	95	AD	GND
099 099	13 13	1 2	3 H	WHT	60	12 61	4 N610P1-A1 10-A1		0.00	99	16.0		4	20	N6E36-E1B	163 0.00	99		+28VDC
100 100	01 01	1 2	3 H	WHT	60	12 61	4 N610P1-A2 10-A2		0.00	99	17.5		4	20	N6E36-E3B	163 0.00	99		28VRTN
100 100	03 03	1 2	3 H	WHT	60	12 61	4 N610P1-A3 10-A3		0.00	99	21.0		4	20	N6E36-E8B	163 0.00	99		+5VDC
100 100	05 05	1 2	3 H	WHT	60	12 61	4 N610P1-A4 10-A4		0.00	99	21.0		4	20	N6E36-E8B	163 0.00	99		+5VDC
100 100	07 07	1 2	3 H	WHT	60	12 61	4 N610P1-A5 10-A5		0.00	99	22.0		4	20	N6E36-E8B	163 0.00	99		+5VDC
100 100	09 09	1 2	3 H	WHT	60	12 61	4 N610P1-A6 10-A6		0.00	99	29.0		4	20	N6E36-E10B	163 0.00	99		5VRTN
100 100	11 11	1 2	3 H	WHT	60	12 61	4 N61OP1-A7 10-A7		0.00	99	29.0		4	20	N6E36-E10B	163 0.00	99		5VRTN
100 100	13 13	1 2	3 H	WHT	60	12 61	4 N611P1-A1 11-A1		0.00	99	22.5		4	20	N6E36-E1B	163 0.00	99		+28VDC
101 101	01 01	1 2	3 H	WHT	60	12 61	4 N611P1-A2 11-A2		0.00	99	21.0		4	20	N6E36-E3B	163 0.00	99		28VRTN
101 101	03 03	1 2	3 H	WHT	60	12 61	4 N611P1-A3 11-A3		0.00	99	17.0		4	20	N6E36-E9B	163 0.00	99		+5VDC



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0065										
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO			GP SC	FUNCTION					
				1	2		S	FIND	SLV			1	2		S	FIND	SLV							
	3	4	5	H	LUG	STP	FND	3	4	5	H	LUG	STP	FND	FER									
3	4	5	H	LUG	STP	FER	3	4	5	H	LUG	STP	FER											
101 101	05 05	1 2	3 H	WHT		12 60	4 61	N611P1-A4 11-A4				99		17.0	4	20	N6E36-E9B				163 0.00	99		+5VDC
101 101	07 07	1 2	3 H	WHT		12 60	4 61	N611P1-A5 11-A5				99		17.0	4	20	N6E36-E9B				163 0.00	99		+5VDC
101 101	09 09	1 2	3 H	WHT		12 60	4 61	N611P1-A6 11-A6				99		17.5	4	20	N6E36-E10B				163 0.00	99		5VRTN
101 101	11 11	1 2	3 H	WHT		12 60	4 61	N611P1-A7 11-A7				99		17.0	4	20	N6E36-E10B				163 0.00	99		5VRTN
107 107	01 01	1 2	13 I	WHT		4 60	43	N6A16TB1-1	183 0.00	94 83		99		57.0	4	44	N6E36TB3-5A				183 0.00	94 275		QCCAPPPAS
093 093	07 07	1 2	13 C	WHT	45	4 45	43	N6A16TB1-2	183 0.00	94 83	276.0	44	4 60	N1TB41-8B							183 0.00	94 15	AN	QCMPS24VAS
093 093	11 11	1 2	13 C	WHT	45	4 45	43	N6A15TB1-3	183 0.00	94 83	276.0	44	4 60	N1TB41-5B							183 0.00	94 15	AN	QCMPSBCAS
094 094	01 01	1 2	13 E	WHT	45	4 45	43	N6A16TB1-4	183 0.00	94 83	135.0	44	4 60	A58TB1-5B							183 0.00	94 15	AO	QCMPSOVTAS
094 094	05 05	1 2	13 E	WHT		4 45	43	N6A16TB1-5	183 0.00	94 83	188.0	44	4 60	N7TB22-3A							184 0.00	94 25		QCMPSAIRAS
093 093	12 12	1 2		BLK		4 45	45	N6A16TB1-6	183 0.00	94	276.0		4 60	N1TB41-7B							183 0.00	94	AN	QCMPSBCAR
094 094	10 10	1 2		BLK		4 45		N6A16TB1-6	183 0.00	94	135.0		4 60	A58TB1-4B							183 0.00	94		QCMPSAIRAR

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0066									
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO			GP SC	FUNCTION					
				1	2		S	FIND	1		2	S		FIND	S	FIND			SLV				
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	S	STP	FND	FER							
094 094	02 02	1 2		BLK		4		N6A16TB1-6		183 0.00	94		135.0		4	60		A58TB1-7B		183 0.00	94		QCMPSOVTAR
094 094	06 06	1 2		BLK		4		N6A16TB1-7		183 0.00	94		188.0		4	60		N7TB22-4B		184 0.00	94		QCOMMPTA
094 094	09 09	1 2	13	WHT		4	43	N6A16TB1-7		183 0.00	94 83		135.0	44	45	42 60		A58TB1-3B		183 0.00	94 15	AO	QCCOMMPTA
093 093	08 08	1 2		BLK		4	45	N6A16TB2-1		183 0.00	94		276.0		4	60		N1TB41-9B		183 0.00	94	AN	QCMP24VAR
107 107	02 02	1 2		BLK		4	60	N6A16TB2-1		183 0.00	94		57.0		4			N6E36TB3-4A		183 0.00	94		QCCAPPHAR
107 107	07 07	1 2	1	WHT		4	20	N6A16W1-1		170 0.00	100		60.0		4	20		N6E36-E9A		170 0.00	100		+5VDC
107 107	09 09	1 2	1	WHT		4	20	N6A16W1-3		170 0.00	100		60.0		4	20		N6E36-E10A		170 0.00	100		5VRTN
108 108	09 09	1 2	6	WHT		4	20	N6A16W1-4		191 0.00	98		24.0		4	20		N6A16W2-8		190 0.00	98		RETURN
107 107	13 13	1 2	6	WHT		4	20	N6A16W2-2		153 0.00	93		60.0	49	37 20	4		N6TB3-14A		284 0.00	98		-12V
108 108	01 01	1 2	4	WHT		4	20	N6A16W2-3		195 0.00	99		60.0	49	37 20	4		N6TB3-12A		195 0.00	99		-5V
108 108	03 03	1 2	6	WHT		4	20	N6A16W2-7		153 0.00	98		60.0	49	37 20	4		N6TB3-13A		284 0.00	98		+12V

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0067				
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO			GP SC	FUNCTION
				1	2		S	FIND	1		2	S		FIND	S	FIND		
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	S	STP	FND	FER		
108 108	09 09	1 2	6 E	WHT		4 20	N6A16W2-8		190 0.00	98	24.0	60	4 20	N6A16W1-4		191 0.00	98	RETURN
108 108	05 05	1 2	4 I	WHT	60	4 20	N6A16W2-8		193 0.00	99	60.0	49 20	37 4	N6TB3-10A		195 0.00	99	RTN
095 095	01 01	1 2	1	WHT	20	4 26	N6A56W1-1		170 0.00	100	117.0	49 20	4 26	N6E36-E9A		170 0.00	100	+5VDC
095 095	03 03	1 2	1	WHT	20	4 26	N6A56W1-3		170 0.00	100	117.0	49 20	4 26	N6E36-E10A		170 0.00	100	+5VRTN
095 095	05 05	1 2	4	WHT	20	4 26	N6A56W2-2		195 0.00	99	117.0	49 20 26	37 4	N6TB3-14A		195 0.00	99	-12VDC
095 095	07 07	1 2	4	WHT	20	4 26	N6A56W2-3		195 0.00	99	117.0	49 20 26	4	N6TB3-12A		195 0.00	99	-5VDC
095 095	09 09	1 2	4	WHT	20	4 26	N6A56W2-7		195 0.00	99	117.0	49 20 26	37 4	N6TB3-13A		195 0.00	99	+12VDC
095 095	11 11	1 2	4	WHT	20	4 26	N6A56W2-8		193 0.00	99	117.0	49 20 26	37 4	N6TB3-10A		195 0.00	99	RTN
107 107	09 09	1 2	1 I	WHT		4 20	N6E36-E10A		170 0.00	100	60.0	60	4 20	N6A16W1-3		170 0.00	100	5VRTN
095 095	03 03	1 2	1	WHT	49	4 26	N6E36-E10A		170 0.00	100	117.0	20	4 26	N6A56W1-3		170 0.00	100	+5VRTN
107 107	11 11	1 2	247 H	GRN		4 60	N6E36-E10A		163 0.00	99	36.0		4	N6E37		163 0.00	99	GND

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0068					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2				H	LUG	SLV
			S	STP	FND	3	4	5	S	STP	FND	H		FER					
100 100	09 1 09 2	3 H	WHT	4	20		N6E36-E10B	163	99			12 4	N610P1-A6 10-A6		99	5VRTN			
								0.00		29.0	60 61			0.00					
100 100	11 1 11 2	3 H	WHT	4	20		N6E36-E10B	163	99			12 4	N610P1-A7 10-A7		99	5VRTN			
								0.00		29.0	60 61			0.00					
101 101	09 1 09 2	3 H	WHT	4	20		N6E36-E10B	163	99			12 4	N611P1-A6 11-A6		99	5VRTN			
								0.00		17.5	60 61			0.00					
101 101	11 1 11 2	3 H	WHT	4	20		N6E36-E10B	163	99			12 4	N611P1-A7 11-A7		99	5VRTN			
								0.00		17.0	60 61			0.00					
108 108	07 1 07 2	247 H	GRN	4	60		N6E36-E11A	163	99			4	N6E37		163	99	GND		
								0.00		36.0				0.00					
096 096	03 1 03 2	4 H	WHT	4	20		N6E36-E11B	194	99			4 60	N6XPS6P1-A3 6-A3		99	CHASSIS			
								0.00		19.0	61			0.00					
097 097	03 1 03 2	4 H	WHT	4	20		N6E36-E11B	194	99			4 60	N6XPS7P1-A3 7-A3		99	CHASSIS			
								0.00		17.5	61			0.00					
098 098	03 1 03 2	4 H	WHT	4	20		N6E36-E11B	194	99			4 60	N6XPS8P1-A3 8-A3		99	CHASSIS			
								0.00		17.5	61			0.00					
099 099	03 1 03 2	4 H	WHT	4	20		N6E36-E11B	194	99			4 60	N6XPS9P1-A3 9-A3		99	CHASSIS			
								0.00		19.0	61			0.00					
104 104	08 1 08 2	63 H	RED				N6E36-E12					4 60	N6E36-E8B		191	96	+5VDC		
								0.00		17.0				0.00					
104 104	10 1 10 2	63 H	RED				N6E36-E13					4 60	N6E36-E7B		191	96	+5V		
								0.00		15.5				0.00					

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0069										
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION								
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND						
				3	4	5		H	LUG	SLV		1	2	MARKING			H	LUG	SLV					
			S	STP	FND	3	4	5	S	STP	FND	H		FER										
108 108	11 11	1 2	12 J	WHT		4 60	20		N6E36-E1A		187 0.00	98		120.0	61	27 19	4		N6P45-S S		0.00	94	AP	+28VDC
109 109	01 01	1 2	12 J	WHT		4 60	20		N6E36-E1A		187 0.00	98		120.0	61	19 27	4		N6P45-T T		0.00	94	AP	+28VDC
099 099	13 13	1 2	3 H	WHT		4	20		N6E36-E1B		163 0.00	99		16.0	60	12 61	4		N610P1-A1 10-A1		0.00	99		+28VDC
100 100	13 13	1 2	3 H	WHT		4	20		N6E36-E1B		163 0.00	99		22.5	60	12 61	4		N611P1-A1 11-A1		0.00	99		+28VDC
095 095	13 13	1 2	3 H	WHT		4	20		N6E36-E1B		163 0.00	99		15.0	60	4 61			N6XPS6P1-A1 6-A1		0.00	99		+28VDC
105 105	11 11	1 2	241 C	RED		4			N6E36-E2B		167 0.00	99		D 182.0	30	4 60			N1TB9-1B		167 0.00	99		+28VDC
096 096	13 13	1 2	3 H	WHT		4	20		N6E36-E2B		163 0.00	99		15.5	61	4 60			N6XPS7P1-A1 7-A1		0.00	99		+28VDC
097 097	13 13	1 2	3 H	WHT		4	20		N6E36-E2B		163 0.00	99		16.5	61	4 60			N6XPS8P1-A1 8-A1		0.00	99		+28VDC
098 098	13 13	1 2	3 H	WHT		4	20		N6E36-E2B		163 0.00	99		19.5	61	4 60			N6XPS9P1-A1 9-A1		0.00	99		+28VDC
108 108	12 12	1 2	J	BLK		4	60		N6E36-E3A		187 0.00	98		120.0	19	27 19	4		N6P45-L L		0.00	94	AP	28VRTN
109 109	02 02	1 2	J	BLK		4	60		N6E36-E3A		187 0.00	98		120.0	27	19 27	4		N6P45-M M		0.00	94	AP	28VRTN

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0070												
			WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES		LOCATION	TO			GP	FUNCTION						
FND	KCD	KSQ	1	2		3	4	5	MARKING	S	H	LUG	SLV		FND	LENGTH	1	2	3	4			5	MARKING	S	H	LUG	SLV
100	01	1	3	WHT		4	20	N6E36-E3B			163	99				12	4									99	28VRTN	
100	01	2	H								0.00			17.5	60	61								0.00				
101	01	1	3	WHT		4	20	N6E36-E3B			163	99				12	4									99	28VRTN	
101	01	2	H								0.00			21.0	60	61								0.00				
096	01	1	3	WHT		4	20	N6E36-E3B			163	99				4	60									99	28VRTN	
096	01	2	H								0.00			20.0	61									0.00				
084	11	1	239	BLK		4	60	N6E36-E4B			167	99		D		4									167	99	DCRTN	
084	11	2	C		30						0.00			160.0										0.00				
097	01	1	3	WHT		4	20	N6E36-E4B			163	99				4	60									99	28VRTN	
097	01	2	H								0.00			17.0	61									0.00				
098	01	1	3	WHT		4	20	N6E36-E4B			163	99				4	60									99	28VRTN	
098	01	2	H								0.00			16.0	61									0.00				
099	01	1	3	WHT		4	20	N6E36-E4B			163	99				4	60									99	28VRTN	
099	01	2	H								0.00			16.5	61									0.00				
106	11	1	63	RED		4		N6E36-E7A			191	96		G		4	60								153	96	+5V	
106	11	2	C								0.00			207.0	30									0.00				
104	10	1	63	RED		4	60	N6E36-E7B			191	96																+5V
104	10	2	H								0.00			15.5										0.00				
100	03	1	3	WHT		4	20	N6E36-E8B			163	99				12	4									99	+5VDC	
100	03	2	H								0.00			21.0	60	61								0.00				
100	05	1	3	WHT		4	20	N6E36-E8B			163	99				12	4									99	+5VDC	
100	05	2	H								0.00			21.0	60	61								0.00				

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0071					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2	MARKING			H	LUG	SLV
			S	STP	FND	3	4	5	S	STP	FND	H		FER					
100 100	07 07	1 2	3 H	WHT	4	20	N6E36-E8B	163 0.00	99	22.0	60	12 61	4	N610P1-A5 10-A5	0.00	99	+5VDC		
104 104	08 08	1 2	63 H	RED	4	60	N6E36-E8B	191 0.00	96	17.0				N6E36-E12	0.00		+5VDC		
107 107	07 07	1 2	1 I	WHT	4	20	N6E36-E9A	170 0.00	100	60.0	60	4	20	N6A16W1-1	170 0.00	100	+5VDC		
095 095	01 01	1 2	1	WHT	49	26 20	N6E36-E9A	170 0.00	100	117.0	20	4	26	N6A56W1-1	170 0.00	100	+5VDC		
101 101	03 03	1 2	3 H	WHT	4	20	N6E36-E9B	163 0.00	99	17.0	60	12 61	4	N611P1-A3 11-A3	0.00	99	+5VDC		
101 101	05 05	1 2	3 H	WHT	4	20	N6E36-E9B	163 0.00	99	17.0	60	12 61	4	N611P1-A4 11-A4	0.00	99	+5VDC		
101 101	07 07	1 2	3 H	WHT	4	20	N6E36-E9B	163 0.00	99	17.0	60	12 61	4	N611P1-A5 11-A5	0.00	99	+5VDC		
106 106	03 03	1 2	57 C	BLK	4		N6E36TB1-1A	284 0.00	96	C 180.0	30	4	60	N1TB5-1B	153 0.00	96	PHASE A		
106 106	05 05	1 2	62 C	RED	4		N6E36TB1-1B	284 0.00	96	C 190.9	30	4	60	N1TB5-2B	153 0.00	96	PHASE B		
106 106	07 07	1 2	69 C	BLU	4		N6E36TB1-2B	284 0.00	96	C 207.0	30	4	60	N1TB5-3B	153 0.00	96	PHASE C		
102 102	04 04	1 2	12 H	BLK	4	49	N6E36TB1-3A	150 0.00	94	18.5		4	60	N6XPS6P1-4 6-4	0.00	94	CRBR2A		

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0072							
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO			GP	FUNCTION
						1	2			S	FIND				1	2			S	FIND			
			FND	KCD	KSQ	3	4	5	MARKING	H	LUG	SLV	LENGTH		3	4	5	MARKING	H	LUG	SLV	SC	FUNCTION
										S	STP	FND							S	STP	FND		
										H		FER							H		FER		
102	10	1		BLK		4	49		N6E36TB1-3A		150	94			4	60		N6XPS7P1-4			94		CRBR2A
102	10	2	H								0.00		19.0				7-4		0.00				
103	01	1		BLK		4	49		N6E36TB1-4A		150	94			4	60		N6XPS8P1-4			94		CRBR2A
103	01	2	H								0.00		26.0				8-4		0.00				
103	07	1		BLK		4	49		N6E36TB1-4A		150	94			4	60		N6XPS9P1-4			94		CRBR2A
103	07	2	H								0.00		28.0				9-4		0.00				
104	01	1		BLK		4	49		N6E36TB1-4B		150	94			4	49		N6E36TB2-9B		150	94		CRBR1A7
104	01	2	H		60						0.00		12.0						0.00				
102	05	1		WHT		4	49		N6E36TB1-5A		150	94			4	60		N6XPS6P1-5			94		CRBR2B
102	05	2	H								0.00		18.5				6-5		0.00				
102	11	1		WHT		4	49		N6E36TB1-5A		150	94			4	60		N6XPS7P1-5			94		CRBR2B
102	11	2	H								0.00		19.0				7-5		0.00				
103	02	1		WHT		4	49		N6E36TB1-6A		150	94			4	60		N6XPS8P1-5			94		CRBR2B
103	02	2	H								0.00		26.0				8-5		0.00				
103	08	1		WHT		4	49		N6E36TB1-6A		150	94			4	60		N6XPS9P1-5			94		CRBR2B
103	08	2	H								0.00		28.0				9-5		0.00				
104	02	1		WHT		4	49		N6E36TB1-6B		150	94		37	4		N6TB2-10B		150	94		CRBR1B7	
104	02	2	H		60						0.00		12.0	49					0.00				
109	04	1		WHT		4	49		N6E36TB2-1A		150	94		19	4		N6P45-U			94	AP	CRBR1A1	
109	04	2	J		60						0.00		120.0	27			U		0.00				
102	01	1		BLK		4	49		N6E36TB2-1B		150	94			4	60		N6XPS6P1-1			94		CRBR1A1
102	01	2	H								0.00		12.0				6-1		0.00				



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0073						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION				
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND		
				3	4	5		H	LUG	SLV		1	2				H	LUG	SLV	
			S	STP	FND	3	4	5	S	STP	FND	H		FER						
102 102	02 02	1 2		WHT		4 49	N6E36TB2-2B		150 0.00	94		12.0		4 60	N6XPS6P1-2 6-2		0.00	94		CRBR1B1
109 109	07 07	1 2	12 J	WHT		4 49	N6E36TB2-3A		150 0.00	94		120.0	27	19 4	N6P45-V V		0.00	94	AP	CRBR1A2
102 102	07 07	1 2	12 H	BLK		4 49	N6E36TB2-3B		150 0.00	94		13.0		4 60	N6XPS7P1-1 7-1		0.00	94		CRBR1A2
109 109	08 08	1 2		BLK		4 49	N6E36TB2-4A		150 0.00	94		120.0	19 27	50 4	N6P45++P +P		0.00	94	AP	CRBR1B2
102 102	08 08	1 2		WHT		4 49	N6E36TB2-4B		150 0.00	94		13.0		4 60	N6XPS7P1-2 7-2		0.00	94		CRBR1B2
109 109	10 10	1 2	12 J	WHT		4 49	N6E36TB2-5A		150 0.00	94		120.0	19 27	50 4	N6P45++M +M		0.00	94	AP	CRBR1A3
102 102	13 13	1 2	12 H	BLK		4 49	N6E36TB2-5B		150 0.00	94		19.0		4 60	N6XPS8P1-1 8-1		0.00	94		CRBR1A3
109 109	11 11	1 2		BLK		4 49	N6E36TB2-6A		150 0.00	94		120.0	19 27	50 4	N6P45++Z +Z		0.00	94	AP	CRBR1B3
102 102	14 14	1 2		WHT		4 49	N6E36TB2-6B		150 0.00	94		19.0		4 60	N6XPS8P1-2 8-2		0.00	94		CRBR1B3
092 092	09 09	1 2	12 J	WHT		4 49	N6E36TB2-7A		150 0.00	94		120.0	27 19	40 4	N6P45-AA AA		0.00	94	AP	CRBR1A4
103 103	04 04	1 2	12 H	BLK		4 49	N6E36TB2-7B		150 0.00	94		20.0		4 60	N6XPS9P1-1 9-1		0.00	94		CRBR1A4



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0075													
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION											
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND									
				3	4	5		H	LUG	SLV		1	2				H	LUG	SLV								
			S	STP	FND	3	4	5	S	STP	FND	H		FER													
107 107	02 02	1 2		BLK		4			N6E36TB3-4A		183 0.00	94			57.0		4	60		N6A16TB2-1		183 0.00	94				QCCAPPHAR
107 107	03 03	1 2	49	BLK					N6E36TB3-4A S		0.00				3.5		4			N6E36TB3-3A		183 0.00	94				SHIELD
104 104	12 12	1 2	54	WHT		4	35		N6E36TB3-4B		150 0.00	94			19.5		4	60		N6XPS10P1-3 10-3		0.00		94			ALARM1
107 107	01 01	1 2	13	WHT		4	44		N6E36TB3-5A		183 0.00	94 275			57.0	60	4	43		N6A16TB1-1		183 0.00	94 83				QCCAPPPAS
105 105	09 09	1 2	54	WHT		4	35		N6E36TB3-5B		150 0.00	94			8.0		4	60		N6XPS9P1-15 9-15		0.00		94			ALARM2
096 096	09 09	1 2	4	WHT		4	49	20	N6E36TB3-7B		195 0.00	99			21.0	61	4	60		N6XPS6P1-A6 6-A6		0.00		99			RTN
096 096	11 11	1 2	4	WHT		4	49	20	N6E36TB3-7B		195 0.00	99			21.0	61	4	60		N6XPS6P1-A7 6-A7		0.00		99			RTN
097 097	09 09	1 2	4	WHT		4	49	20	N6E36TB3-8B		195 0.00	99			19.0	61	4	60		N6XPS7P1-A6 7-A6		0.00		99			RTN
097 097	11 11	1 2	4	WHT		4	49	20	N6E36TB3-8B		195 0.00	99			19.0	61	4	60		N6XPS7P1-A7 7-A7		0.00		99			RTN
098 098	09 09	1 2	4	WHT		4	49	20	N6E36TB3-9B		195 0.00	99			17.5	61	4	60		N6XPS8P1-A6 8-A6		0.00		99			RTN
098 098	11 11	1 2	4	WHT		4	49	20	N6E36TB3-9B		195 0.00	99			17.5	61	4	60		N6XPS8P1-A7 8-A7		0.00		99			RTN

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0076												
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO			GP SC	FUNCTION						
				1	2	3		S	FIND	H			LUG	SLV		1	2	S			FIND	SLV				
	3	4	5	S	STP	FND	H	FER	3	4	5	S	STP	FND	H	FER										
107 107	11 11	1 2	247 H	GRN		4		N6E37				163 0.00	99		36.0		4	60		N6E36-E10A			163 0.00	99		GND
108 108	07 07	1 2	247 H	GRN		4		N6E37				163 0.00	99		36.0		4	60		N6E36-E11A			163 0.00	99		GND
107 107	05 05	1 2	67 H	GRN		4		N6E37				191 0.00	96		36.0	35	4	60		N6E36TB3-3A			284 0.00	96		GND
078 078	13 13	1 2	247 E	GRN		4		N6E38				163 0.00	99		39.0		4	60		N6TB30-3A			162 0.00	99		GND
094 094	14 14	1 2	235 E	GRN				N6E38				167 0.00	99		72.0	60	4	20		A56E9			166 0.00	99		GND
062 062	13 13	1 2	61 G	RED		4	16	N6P34-A A					97		50.0		4	60		N6TB30-1A			193 0.00	97	AH	+28VDC
063 063	01 01	1 2	61 G	RED		4	16	N6P34-B B					97		43.0		4	60		N6TB30-1B			193 0.00	97	AH	+28VDC
063 063	03 03	1 2	61 G	RED		4	16	N6P34-C C					97		43.0		4	60		N6TB30-1B			193 0.00	97	AH	+28VDC
075 075	11 11	1 2	56 G	BLK		4	16	N6P34-D D					97		50.0		4	27		N6TB30-2A			193 0.00	97	AH	DCRTN
075 075	13 13	1 2	56 G	BLK		4	16	N6P34-E E					97		42.0		4	27		N6TB30-2B			193 0.00	97	AH	DCRTN
076 076	01 01	1 2	56 G	BLK		4	16	N6P34-F F					97		42.0		4	27		N6TB30-2B			193 0.00	97	AH	DCRTN

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0077		
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE LENGTH	KY	NOTES 1 2 3 4 5	LOCATION MARKING	TO S H S H	FIND LUG STP	GP SC	FUNCTION FUNCTION	
078	11	1	262	GRN		4 16	N6P34-H			98		4 27	N6TB30-3B		193	97	AH	GND
078	11	2	G		60	19	H		0.00		42.0				0.00			
093	02	1		BLK		50 4	N6P45-+J			94		37 4	N6TB2-12A		150	94	AP	CRBR1B5
093	02	2	J		27	19 40	+J		0.00		120.0	49 60			0.00			
093	01	1	12	WHT		50 4	N6P45-+K			94		37 4	N6TB2-11A		150	94	AP	CRBR1A5
093	01	2	J		27	19 40	+K		0.00		120.0	49 60			0.00			
109	10	1	12	WHT		50 4	N6P45-+M			94		4 49	N6E36TB2-5A		150	94	AP	CRBR1A3
109	10	2	J		19	27	+M		0.00		120.0	60			0.00			
109	05	1		BLK		50 4	N6P45-+N			94		4 49	N6E36TB2-IA		150	94	AP	CRBR1B1
109	05	2	J		19	27	+N		0.00		120.0	60			0.00			
109	08	1		BLK		50 4	N6P45-+P			94		4 49	N6E36TB2-4A		150	94	AP	CRBR1B2
109	08	2	J		19	27	+P		0.00		120.0	60			0.00			
109	11	1		BLK		50 4	N6P45-+Z			94		4 49	N6E36TB2-6A		150	94	AP	CRBR1B3
109	11	2	J		19	27	+Z		0.00		120.0	60			0.00			
092	09	1	12	WHT		40 4	N6P45-AA			94		4 49	N6E36TB2-7A		150	94	AP	CRBR1A4
092	09	2	J		27	19	AA		0.00		120.0	60			0.00			
092	12	1	12	WHT		40 4	N6P45-BB			94		4 49	N6E36TB2-9A		150	94	AP	CRBR1A7
092	12	2	J		27	19	BB		0.00		120.0	60			0.00			
092	10	1		BLK		40 4	N6P45-GG			94		4 49	N6E36TB2-8A		150	94	AP	CRBR1B4
092	10	2	J		27		GG		0.00		120.0	60			0.00			
092	13	1		BLK		40 4	N6P45-HH			94		37 4	N6TB2-10A		150	94	AP	CRBR1B7
092	13	2	J				HH		0.00		120.0	49 60			0.00			



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0079							
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO			GP	FUNCTION
						1	2			S	FIND				1	2			S	FIND			
			FND	KSQ		3	4	5	MARKING	H	LUG	SLV	LENGTH		3	4	5	MARKING	H	LUG	SLV	SC	FUNCTION
			KCD							S	STP	FND							S	STP	FND		
										H		FER							H		FER		
104	02	1		WHT		37	4		N6TB2-10B		150	94			4	49		N6E36TB1-6B		150	94		CRBR1B7
104	02	2	H		49						0.00		12.0	60						0.00			
093	00	1	12	WHT		37	4		N6TB2-11A		150	94		50	4		N6P45++K				94	AP	CRBR1A5
093	01	2	J		49	6					0.00		120.0	27	19	40	+K			0.00			
103	10	1	12	BLK		37	4		N6TB2-11B		150	94		4	60		N6XPS10P1-6				94		CRBR1A5
103	10	2	H		49						0.00		15.0				10-6			0.00			
093	02	1		BLK		37	4		N6TB2-12A		150	94		50	4		N6P45++J				94	AP	CRBR1B5
093	02	2	J		49	60					0.00		120.0	27	19	40	+J			0.00			
103	11	1		WHT		37	4		N6TB2-12B		150	94		4	60		N6XPS10P1-7				94		CRBR1B5
103	11	2	H		49						0.00		15.0				10-7			0.00			
093	04	1	12	WHT		37	4		N6TB2-13A		150	94		27	4		N6P45-R				94	AP	CRBR1A6
093	04	2	J		49	60					0.00		120.0	19		40	R			0.00			
103	13	1	12	BLK		37	4		N6TB2-13B		150	94		4	60		N6XPS11P1-6				94		CRBR1A6
103	13	2	H	49							0.00		18.5				11-6			0.00			
093	05	1		BLK		37	4		N6TB2-14A		150	94		27	4		N6P45-P				94	AP	CRBR1B6
093	05	2	J		49	60					0.00		120.0	19		40	P			0.00			
103	14	1		WHT		37	4		N6TB2-14B		150	94		4	60		N6XPS11P1-7				94		CRBR1B6
103	14	2	H	49							1.50		18.5				11-7			0.00			
108	05	14		WHT		37	4		N6TB3-10A		195	99		4	20		N6A16W2-8				99		RTN
108	05	2	I		49	20					0.00		60.0	60						0.00			
095	11	14		WHT		37	4		N6TB3-10A		195	99		4	26		N6A56W2-8				99		RTN
095	11	2			49	20	26				0.00		117.0	20						0.00			

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Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST											DWG NO. SM-B-817030			PAGE 0083			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION	
				1	2		S	FIND	1		2	S		FIND	S	FIND		SLV
				3	4		5	H	LUG		SLV	3		4	5	H		LUG
099 09 1 099 09 2	4 H	WHT	49	37 20	4	N6TB3-10B	195 0.00	99	16.0	61	4 60	N6XPS9P1-A6 9-A6	0.00	99	RTN			
099 11 1 099 11 2	4 H	WHT	49	37 20	4	N6TB3-10B	195 0.00	99	16.0	61	4 60	N6XPS9P1-A7 9-A7	0.00	99	RTN			
106 09 1 106 09 2	251 C	RED	49	37	4	N6TB3-11A	195 0.00	98	186.0	G 30	4 60	N4A13TB1-1	195 0.00	98	+5V			
096 05 1 096 05 2	4 H	WHT	49	37 20	4	N6TB3-11B	195 0.00	99	21.5	61	4 60	N6XPS6P1-A4 6-A4	0.00	99	--5VDC			
097 05 1 097 05 2	4 H	WHT	49	37 20	4	N6TB3-11B	195 0.00	99	19.0	61	4 60	N6XPS7P1-A4 7-A4	0.00	99	+5VDC			
108 01 1 108 01 2	4 I	WHT	49	37 20	4	N6TB3-12A	195 0.00	99	60.0	60	4 20	N6A16W2-3	195 0.00	99	-5V			
095 07 1 095 07 2	4	WHT	49	37 20	4 26	N6TB3-12A	195 0.00	99	117.0	20	4 26	N6A56W2-3	195 0.00	99	-5VDC			
096 07 1 096 07 2	4 H	WHT	49	37 20	4	N6TB3-12B	195 0.00	99	21.5	61	4 60	N6XPS6P1-A5 6-A5	0.00	99	-5VDC			
097 07 1 097 07 2	4 H	WHT	49	37 20	4	N6TB3-12B	195 0.00	99	19.0	61	4 60	N6XPS7P1-A5 7-A5	0.00	99	-5VDC			
108 03 1 108 03 2	6 I	WHT	49	37 20	4	N6TB3-13A	284 0.00	98	60.0	60	4 20	N6A16W2-7	153 0.00	98	+12V			
095 09 1 095 09 2	4	WHT	49	37 20	4 26	N6TB3-13A	195 0.00	99	117.0	20	4 26	N6A56W2-7	195 0.00	99	+12VDC			



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0081			
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	GP	FUNCTION				
FND	KCD	KSQ	1	2	MARKING	S	FIND	SLV	1	2	S	FIND	SLV	GP	FUNCTION				
			3	4	5	H	LUG	FND	LENGTH	NOTES	3	4	5	H	LUG	FND	SC	FUNCTION	
						S	STP	FER		3	4	5	H	STP	FER				
098	05	1	4	WHT		37	4	N6TB3-13B		195	99								
098	05	2	H			49	20		17.5	61	4	60	N6XPS8P1-A4 8-A4		0.00	99		+12VDC	
099	05	1	4	WHT		37	4	N6TB3-13B		195	99								
099	05	2	H			49	20		16.0	61	4	60	N6XPS9P1-A 9-A4		0.00	99		+12VDC	
107	13	1	6	WHT		37	4	N6TB3-14A		284	98								
107	13	2	I			49	20		60.0	60	4	20	N6A16W2-2		153 0.00	93		-12V	
095	05	1	4	WHT		37	4	N6TB3-14A		195	99								
095	05	2				49	20	26	117.0	20	4	26	N6A56W2-2		195 0.00	99		-12VDC	
098	07	1	4	WHT		37	4	N6TB3-14B		195	99								
098	07	2	H			49	20		17.5	61	4	60	N6XPS8P1-A5 8-A5		0.00	99		-12VDC	
099	07	1	4	WHT		37	4	N6TB3-14B		195	99								
099	07	2	H			49	20		16.0	61	4	60	N6XPS9P1-A5 9-A5		0.00	99		-12VDC	
062	11	1	246	RED			4	N6TB30-1A		162	100								
062	11	2	C						D	30	4	60	N1TB8-12B		162 0.00	100		+28VDC	
062	13	1	61	RED		4	60	N6TB30-1A		193	97								
062	13	2	G						50.0	27	4	16	N6P34-A A		0.00	97	AH	+28VDC	
063	01	1	61	RED		4	60	N6TB30-1B		193	97								
063	01	2	G						43.0	27	4	16	N6P34-B B		0.00	97	AH	+28VDC	
063	03	1	61	RED		4	60	N6TB30-1B		193	97								
063	03	2	G						43.0	27	4	16	N6P34-C C		0.00	97	AH	+28VDC	
087	03	1	244	BLK			4	N6TB30-2A		162	100								
087	03	2	C						D	30	4	60	N1W1-25		162 0.00	100		DCRTN	

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0082				
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .				
				1	2		S	FIND	1		2	S		FIND	GP	FUNCTION		
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	S	STP	FND	SC	FUNCTION	
						H	STP	FER					H	FER				
075 075	11 11	1 2	56 G	BLK	4	27	N6TB30-2A	193 0.00	97	50.0	60	4 19	16 D	N6P34-D	0.00	97	AH	DCRTN
075 075	13 13	1 2	56 G	BLK	4	27	N6TB30-2B	193 0.00	97	42.0	60	4 19	16 E	N6P34-E	0.00	97	AH	DCRTN
076 076	01 01	1 2	56 G	BLK	4	27	N6TB30-2B	193 0.00	97	42.0	60	4 19	16 F	N6P34-F	0.00	97	AH	DCRTN
078 078	13 13	1 2	247 E	GRN	4	60	N6TB30-3A	162 0.00	99	39.0		4		N6E38	0.00	163	99	GND
078 078	11 11	1 2	262 G	GRN	4	27	N6TB30-3B	193 0.00	97	42.0	60	4 19	16	N6P34-H	0.00	98	AH	GND
104 104	12 12	1 2	54 H	WHT	4	60	N6XPS10P1-3 10-3	0.00	94	19.5		4	35	N6E36TB3-4B	0.00	150	94	ALARM
104 104	14 14	1 2	54 H	WHT	4	60	N6XPS10P1-4 10-4	0.00	94	16.0		4		N6XPS11P1-3 11-3	0.00	94		ALARM
103 103	10 10	1 2	12 H	BLK	4	60	N6XPS10P1-6 10-6	0.00	94	5.0	49	37	4	N6TB2-11B	0.00	150	94	CRBR1A5
103 103	11 11	1 2	WHT H		4	60	N6XPS10P1-7 10-7	0.00	94	15.0	49	37	4	N6TB2-12B	0.00	150	94	CRBR1B5
104 104	14 14	1 2	54 H	WHT	4	60	N6XPS11P1-3 11-3	0.00	94	16.0		4	60	N6XPS10P1-4 10-4	0.00	94		ALARM
105 105	01 01	1 2	54 H	WHT	4	60	N6XPS11P1-4 11-4	0.00	94	24.0		4		N6XPS6P1-14 6-14	0.00	94		ALARM

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE		REDUNDANT CABLE RUN LIST															DWG NO. SM-B-817030			PAGE 0083		
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					S	FIND	GP	FUNCTION	
			FND	KSQ	KY	NOTES	LOCATION	H	LUG	SLV	LENGTH	KY	NOTES	LOCATION	H	LUG	SLV	SC	FUNCTION			
					3	4	5		STP	FND		3	4	5		STP	FND					
										FER							FER					
103	13	1	12	BLK		4	60	N6XPS11P1-6		94			37	4	N6TB2-13B		150	94	CRBR1A6			
103	13	2	H					11-6	0.00		18.5	49				0.00						
103	14	1		WHT		4	60	N6XPS11P1-7		94			37	4	N6TB2-14B		1.50	94	CRBR1B6			
103	14	2	H					11-7	0.00		18.5	49										
102	01	1	12	BLK		4	60	N6XPS6P1-1		94			4	49	N6E36TB2-1B		150	94	CRBR1A1			
102	01	2	H					6-1	0.00		12.0					0.00						
105	01	1	54	WHT			4	N6XPS6P1-14		94			4	60	N6XPS11P1-4		0.00	94	ALARM			
105	01	2	H					6-14	0.00		24.0			11-4								
105	03	1	54	WHT		4	60	N6XPS6P1-15		94			4		N6XPS7P1-14		0.00	94	ALARM			
105	03	2	H					6-15	0.00		7.5			7-14								
102	02	1		WHT		4	60	N6XPS6P1-2		94			4	49	N6E36TB2-2B		150	94	CRBR1B14			
102	02	2	H					6-2	0.00		12.0					0.00						
102	04	1	12	BLK		4	60	N6XPS6P1-4		94			4	49	N6E36TB1-3A		150	94	CRBR2A			
102	04	2	H					6-4	0.00		18.5					0.00						
102	05	1		WHT		4	60	N6XPS6P1-5		94			4	49	N6E36TB1-5A		150	94	CRBR2B			
102	05	2	H					6-5	0.00		18.5					0.00						
095	13	1	3	WHT		4	61	N6XPS6P1-A1		99			4	20	N6E36-E1B		163	99	+28VDC			
095	13	2	H		60			6-A1	0.00		15.0					0.00						
096	01	1	3	WHT		4	60	N6XPS6P1-A2		99			4	20	N6E36-E3B		163	99	28VRTN			
096	01	2	H		61			6-A2	0.00		20.0					0.00						
096	03	1	4	WHT		4	60	N6XPS6P1-A3		99			4	20	N6E36-E11B		194	99	CHASSIS			
096	03	2	H		61			6-A3	0.00		19.0					0.00						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0084					
SHT	LN	C	FROM .....										TO .....			GP	FUNCTION				
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND						
			FND			1	2		H	LUG	SLV		1	2		H	LUG	SLV			
			KCD	KSQ		NOTES	MARKING		S	STP	FND	LENGTH	NOTES	MARKING		S	STP	FND	SC	FUNCTION	
						3	4	5	H		FER		3	4	5	H		FER			
096	05	1	4	WHT		4	60	N6XPS6P1-A4			99		37	4	N6TB3-11B			195	99		+5VDC
096	05	2	H		61			6-A4		0.00		21.5	49	20				0.00			
096	07	1	4	WHT		4	60	N6XPS6P1-A5			99		37	4	N6TB3-12B			195	99		-5VDC
096	07	2	H		61			6-A5		0.00		21.5	49	20				0.00			
096	09	1	4	WHT		4	60	N6XPS6P1-A6			99		4	49	N6E36TB3-7B			195	99		RTN
096	09	2	H		61			6-A6		0.00		21.0	20					0.00			
096	11	1	4	WHT		4	60	N6XPS6P1-A7			99		4	49	N6E36TB3-7B			195	99		RTN
096	11	2	H		61			6-A7		0.00		21.0	20					0.00			
102	07	1	12	BLK		4	60	N6XPS7P1-1			94		4	49	N6E36TB2-3B			150	94		CRBR1A2
102	07	2	H					7-1		0.00		13.0						0.00			
105	03	1	54	WHT		4		N6XPS7P1-14			94		4	60	N6XPS6P1-15			0.00	94		ALARM
105	03	2	H					7-14		0.00		7.5			6-15			0.00			
105	05	1	54	WHT		4	60	N6XPS7P1-15			94		4		N6XPS8P1-14			0.00	94		ALARM
105	05	2	H					7-15		0.00		7.5			8-14			0.00			
102	08	1		WHT		4	60	N6XPS7P1-2			94		4	49	N6E36TB2-4B			150	94		CRBR1B2
102	08	2	H					7-2		0.00		13.0						0.00			
102	10	1	12	BLK		4	60	N6XPS7P1-4			94		4	49	N6E36TB1-3A			150	94		CRBR2A
102	10	2	H					7-4		0.00		19.0						0.00			
102	11	1		WHT		4	60	N6XPS7P1-5			94		4	49	N6E36TB1-5A			150	94		CRBR2B
102	11	2	H					7-5		0.00		19.0						0.00			
096	13	1	3	WHT		4	60	N6XPS7P1-A1			99		4	20	N6E36-E2B			163	99		+28VDC
096	13	2	H		61			7-A1		0.00		15.5						0.00			



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0086		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	LENGTH	1 2			H	LUG	SC	FUNCTION				
KCD	KSQ		NOTES	MARKING	S	STP		NOTES	MARKING	S	STP	FND						
			3 4 5		H	FER		3 4 5		H	FER							
103	02	1		WHT				4	60	N6XPS8P1-5		94		CRBR2B				
103	02	2	H				0.00			8-5		0.00						
097	13	1	3	WHT				4	60	N6XPS8P1-A1		99		+28VDC				
097	13	2	H		61		0.00			8-A1		0.00						
098	01	1	3	WHT				4	60	N6XPS8P1-A2		99		28VRTN				
098	01	2	H		61		0.00			8-A2		0.00						
098	03	1	4	WHT				4	60	N6XPS8P1-A3		99		CHASSIS				
098	03	2	H		61		0.00			8-A3		0.00						
098	05	1	4	WHT				4	60	N6XPS8P1-A4		99		+12VDC				
098	05	2	H		61		0.00	49	37	8-A4	20	4	99					
098	07	1	4	WHT				4	60	N6XPS8P1-A5		99		12VDC				
098	07	2	H		61		0.00	49	37	8-A5	20	4	99					
098	09	1	4	WHT				4	60	N6XPS8P1-A6		99		RTN				
098	09	2	H		61		0.00	20		8-A6		0.00						
098	11	1	4	WHT				4	60	N6XPS8P1-A7		99		RTN				
098	11	2	H		61		0.00	20		8-A7		0.00						
103	04	1	12	BLK				4	60	N6XPS9P1-1		94		CRBR1A4				
103	04	2	H				0.00			9-1		0.00						
105	07	1	54	WHT				4	60	N6XPS9P1-14		94		ALARM				
105	07	2	H				0.00		7.5	9-14		0.00						
105	09	1	54	WHT				4	60	N6XPS9P1-15		94		ALARM 2				
105	09	2	H				0.00		8.0	9-15		0.00						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0087			
SHT	LN	C	FROM					TO					S	FIND		GP	FUNCTION		
			WI	CLR	KY	NOTES	LOCATION	S	FIN	ROUTE	KY	NOTES		LOCATION	H			LUG	SLV
			FND	KSQ		1	2		H	LUG	SLV	1	2		H	LUG	SLV		
			KCD			3	4	5	S	STP	FND	3	4	5	H	STP	FND	SC	FUNCTION
								MARKING	H	FER							FER		
103	05	1		WHT		4	60	N6XPS9P1-2		94		4	49	N6E36TB2-8B		150	94		CRBR1B4
103	05	2	H					9-2		0.00						0.00			
103	07	1	12	BLK		4	60	N6XPS9P1-4		94		4	49	N6E36TB1-4A		150	94		CRBR2A
103	07	2	H					9-4		0.00						0.00			
103	08	1		WHT		4	60	N6XPS9P1-5		94		4	49	N6E36TB1-6A		150	94		CRBR2B
103	08	2	H					9-5		0.00				0.00°					
098	13	1	3	WHT		4	60	N6XPS9P1-A1		99		4	20	N6E36-E2B		163	99		+28VDC
098	13	2	H		61			9-A1		0.00						0.00			
099	0	1	3	WHT		4	60	N6XPS9P1-A2		99		4	20	N6E36-E4B		163	99		28VRTN
099	01	2	H		61			9-A2		0.00						0.00			
099	03	1	4	WHT		4	60	N6XPS9P1-A3		99		4	20	N6E36-E11B		194	99		CHASSIS
099	03	2	H		61			9-A3		0.00						0.00			
099	05	1	4	WHT		4	60	N6XPS9P1-A4		99		37	4	N6TB3-13B		195	99		12VDC
099	05	2	H		61			9-A4		0.00		49	20			0.00			
099	07	1	4	WHT		4	60	N6XPS9P1-A5		99		37	4	N6TB3-14B		195	99	-	12VDC
099	07	2	H		61			9-A5		0.00		49	20			0.00			
099	09	1	4	WHT		4	60	N6XPS9P1-A6		99		37	4	N6TB3-10B		195	99		RTN
099	09	2	H		61			9-A6		0.00		49	20			0.00			
099	11	1	4	WHT		4	60	N6XPS9P1-A7		99		37	4	N6TB3-10B		195	99		RTN
099	11	2	H		61			9-A7		0.00		49	20			0.00			
084	03	1	259	RED		4		N7TB22-1B		193	98	4	60	N1TB8-8B		193	98		+28VDC
084	03	2	C							0.00		30				0.00			

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0088			
			FROM					TO											
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING		S	STP	FND	SC					
			3 4 5		H		FER	3 4 5			H		FER						
074	11	1	257	BLK		4	60	N7TB22-2B		193	98		4	N1W1-7		159	98	DCRTN	
074	11	2	C							0.00						0.00			
094	05	1	13	WHT		4	42	N7TB22-3A		184	94		4	43	N6A16TB1-5		183	94	QCMPSAIRAS
094	05	2	E		44	60				0.00	25		188.0			0.00	83		
094	07	1		WHT				N7TB22-4	S				4	N7TB22-5A		186	94	SHIELD	
094	07	2		E						0.00			0.0			0.00			
094	06	1		BLK		4	60	N7TB22-4B		184	94		4	N6A16TB1-7		183	94	QCOMMPTA	
094	06	2		E						0.00			188.0			0.00			
094	07	1		WHT		4		N7TB22-5A		186	94			N7TB22-4	S			SHIELD	
094	07	2		E						0.00			0.0			0.00			
094	14	1	235	GRN		4	20	A56E9		166	99			N6E38		167	99	GND	
094	14	2	E		60					0.00			72.0			0.00			
089	07	1				4		A58E1		151	94			A58TB1-4A	S			SHIELD	
089	07	2								0.00			0.0			0.00		SHIELD	
094	11	1		WHT		4		A58E1		151	94		60	A58TB1-4B	S			SHIELD	
094	11	2		E						0.00			0.0			0.00			
089	13	1		WHT		4		A58E1		151	94			A58TB1-5B	S			SHIELD	
089	13	2		G						0.00			0.0			0.00			
094	03	1		WHT		4		A58E1		151	94			A58TB1-7B	S			SHIELD	
094	03	2		E						0.00			0.0			0.00			
089	01	1	65	RED		4	27	A58TB1-1A		150	95		4	38	P36-A			95	AJ +28VDC
089	01	2	G							0.00			23.0	60	19	A		0.00	



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0089			
SHT	LN	C	WI	CLR	FROM			S	FIND		ROUTE	TO			S	FIND		GP	FUNCTION
			FND	KSQ	KY	NOTES	LOCATION	H	LUG	SLV	LENGTH	KY	NOTES	LOCATION	H	LUG	SLV	SC	FUNCTION
			KCD			1 2	MARKING	S	STP	FND		1 2	MARKING	S	STP	FND	SC	FUNCTION	
						3 4 5		H		FER		3 4 5		H		FER			
089	03	1	60	BLK		4 27	A58TB1-2A		150	95		4 38	P36-B				95	AJ	DCRTN
089	03	2	G						0.00		23.0	60 19	B			0.00			
086	05	1	58	BLK		4	A58TB1-2B		153	96	D	4 60	N1W1-9			155	96		DCRTN
086	05	2	C						0.00		245.0	30				0.00			
089	05	1	11	WHT		4 27	A58TB1-3A		150	95		4 38	P36-C				95	AJ	AIRFLOW
089	05	2	G						0.00		22.0	60 19	C			0.00			
094	09	1	13	WHT		4 42	A58TB1-3B		183	94		4 43	N6A16TB1-7			183	94	AO	QCCOMMPTA
094	09	2	E		44	45 60			0.00	15	135.0		0.00			83			
089	06	1	1	BLK		4 27	A58TB1-4A		150	95		4 38	P36-D				95	AJ	AIRFLOW
089	06	2	G			54			0.00		22.0	60 19 53	D			0.00			
089	07	1					A58TB1-4A	S				4	A58E1			151	94		SHIELD
089	07	2							0.00		0.0					0.00			SHIELD
094	10	1		BLK		4 60	A58TB1-4B		183	94		4	N6A16TB1-6			183	94		QCMPSAIRAR
094	10	2	E						0.00		135.0					0.00			
094	11	1		WHT		60	A58TB1-4B	S				4	A58E1			151	94		SHIELD -
094	11	2	E						0.00		0.0					0.00			
094	01	1	13	WHT		4 42	A58TB1-5B		183	94		4 43	N6A16TB1-4			183	94	AO	QCMPSOVTAS
094	01	2	E		44	60			0.00	15	135.0	45				0.00	83		
089	13	1		WHT			A58TB1-5B	S				4	A58E1			151	94		SHIELD
089	13	2	G						0.00		0.0					0.00			
089	08	1	11	WHT		4 54	A58TB1-5B		150	95		4 54	A59TB1-2A			150	95		TEMP-1
089	08	2	G						0.00	15	44.0	60				0.00	15		

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0090			
			WI	CLR	FROM			S	FIND		ROUTE	TO			S	FIND		GP	FUNCTION
			FND	KCD	KY	NOTES	LOCATION	H	LUG	SLV	LENGTH	KY	NOTES	LOCATION	H	LUG	SLV	SC	FUNCTION
						1 2	MARKING	S	STP	FND		1 2	MARKING	S	STP	FND			
						3 4 5		H	FER			3 4 5		H	FER				
089	09	1		BLK		4 54	A58TB1-6B		150	95		4 54	A59TB1-1A		150	95			TEMP-2
089	09	2	G						0.00		44.0	60			0.00				
094	02	1		BLK		4 60	A58TB1-7B		183	94		4	N6A16TB1-6		183	94			QCMPSOVTAR
094	02	2	E						0.00		135.0				0.00				
094	03	1		WHT			A58TB1-7B	S				4	A58E1		151	94			SHIELD
094	03	2	E						0.00		0.0				0.00				
089	11	1		WHT		4	A59E1		151	94			A59TB1-2A	S					SHIELD
089	11	2	G						0.00		0.0				0.00				
089	09	1		BLK		4 54	A59TB1-1A		150	95		4 54	A58TB1-6B		150	95			TEMP-2
089	09	2	G		60				0.00		44.0				0.00				
089	08	1	11	WHT		4 54	A59TB1-2A		150	95		4 54	A58TB1-5B		150	95			TEMP-1
089	08	2	G		60				0.00	15	44.0				0.00	15			
089	11	1		WHT			A59TB1-2A	S				4	A59E1		151	94			SHIELD
089	11	2	G						0.00		0.0				0.00				
063	07	1	259	RED		4 16	N10P16-A			98		4 60	N10TB25-1		159	99	P		+28VDC
063	07	2	B		27	19	A		0.00		0.0				0.00				
063	09	1	259	RED		4 16	N10P16-B			98		4 60	N10TB25-1		159	99	P		+28VDC
063	09	2	B		27	19	B		0.00		0.0				0.00				
063	11	1	259	RED		4 16	N10P16-C			98		4 60	N10TB25-1		159	99	P		+28VDC
063	11	2	B		27	19	C		0.00		0.0				0.00				
079	01	1	257	BLK		4 16	N10P16-D			97		4 27	N10W22-6		159	99	P		DCRTN
079	01	2	B		60	19	D		0.00		0.0				0.00				

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0091			
			FROM					TO											
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION					
			3 4 5		H		FER	3 4 5		H		FER							
079	03	1	257	BLK				4 27	N10W22-6				159	99	P	DCRTN			
079	03	2	B		60	19			E		0.00	97	0.00						
079	05	1	257	BLK				4 27	N10W22-5				159	99	P	DCRTN			
079	05	2	B		60	19			F		0.00	97	0.00						
064	01	1	259	RED				4 60	N10TB25-2				159	99	Q	+28VDC			
064	01	2	B		27	19			A		0.00	98	0.00						
064	03	1	259	RED				4 60	N10TB25-2				159	99	Q	+28VDC			
064	03	2	B		27	19			B		0.00	98	0.00						
064	05	1	259	RED				4 60	N10TB25-2				159	99	Q	+28VDC			
064	05	2	B		27	19			C		0.00	98	0.00						
079	07	1	257	BLK				4 27	N10W22-5				159	99	Q	DCRTN			
079	07	2	B		60	19			D		0.00	97	0.00						
079	09	1	257	BLK				4 27	N10W22-4				159	99	Q	DCRTN			
079	09	2	B		60	19			E		0.00	97	0.00						
079	11	1	257	BLK				4 27	N10W22-4				159	99	Q	DCRTN			
079	11	2	B		60	19			F		0.00	97	0.00						
064	09	1	259	RED				4 60	N10TB25-3				159	99	R	+28VDC			
064	09	2	B		27	19			A		0.00	98	0.00						
064	11	1	259	RED				4 60	N10TB25-3				159	99	R	+28VDC			
064	11	2	B		27	19			B		0.00	98	0.00						
064	13	1	259	RED				4 60	N10TB25-3				159	99	R	+28VDC			
064	13	2	B		27	19			C		0.00	98	0.00						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0092			
			FROM					TO											
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION					
			3 4 5		H		FER	3 4 5		H		FER							
079	13	1	257	BLK				4 27	N10P18-D				159	99	R	DCRTN			
079	13	2	B		60	19			D		0.00	97	0.00						
080	01	1	257	BLK				4 27	N10P18-E				159	99	R	DCRTN			
080	01	2	B		60	19			E		0.00	97	0.00						
080	03	1	257	BLK				4 27	N10P18-F				159	99	R	DCRTN			
080	03	2	B		60	19			F		0.00	97	0.00						
065	03	1	259	RED				4 60	N10P19-A				159	99	S	+28VDC			
065	03	2	B		27	19			A		0.00	98	0.00						
065	05	1	259	RED				4 60	N10P19-B				159	99	S	+28VDC			
065	05	2	B		27	19			B		0.00	98	0.00						
065	07	1	259	RED				4 60	N10P19-C				159	99	S	+28VDC			
065	07	2	B		27	19			C		0.00	98	0.00						
080	05	1	257	BLK				4 27	N10P19-D				159	99	S	DCRTN			
080	05	2	B		60	19			D		0.00	97	0.00						
080	07	1	257	BLK				4 27	N10P19-E				159	99	S	DCRTN			
080	07	2	B		60	19			E		0.00	97	0.00						
080	09	1	257	BLK				4 27	N10P19-F				159	99	S	DCRTN			
080	09	2	B		60	19	F				0.00	97	0.00						
065	11	1	259	RED				4 60	N10P20-A				159	99	T	+28VDC			
065	11	2	B		27	19			A		0.00	98	0.00						
065	13	1	259	RED				4 60	N10P20-B				159	99	T	+28VDC			
065	13	2	B		27	19			B		0.00	98	0.00						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0093				
	WI FND KCD	CLR KSQ	FROM					S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	TO			S H S H	FIND LUG STP	GP SLV FND FER	FUNCTION SC FUNCTION
			KY	NOTES		LOCATION MARKING	KY					NOTES		LOCATION MARKING				
				1	2							3	4					
066 01 1	259	RED		4	16	N10P20-C			98		4	60	N10TB25-5	159	99	T	+28VDC	
066 01 2	B		27	19	C		0.00		0.0					0.00				
080 11 1	257	BLK		4	16	N10P20-D			97		4	27	N10W22-9	159	99	T	DCRTN	
080 11 2	B		60	19	D		0.00		0.0					0.00				
080 13 1	257	BLK		4	16	N10P20-E			97		4	27	N10W22-9	159	99	T	DCRTN	
080 13 2	B		60	19	E		0.00		0.0					0.00				
081 01 1	257	BLK		4	16	N10P20-F			97		4	27	N10W22-8	159	99	T	DCRTN	
081 01 2	B		60	19	F		0.00		0.0					0.00				
066 05 1	259	RED		4	16	N10P21-A			98		4	60	N10TB25-6	159	99	U	+28VDC	
066 05 2	B		27	19	A		0.00		0.0					0.00				
066 07 1	259	RED		4	16	N10P21-B			98		4	60	N10TB25-6	159	99	U	+28VDC	
066 07 2	B		27	19	B		0.00		0.0					0.00				
066 09 1	259	RED		4	16	N10P21-C			98		4	60	N10TB25-6	159	99	U	+28VDC	
066 09 2	B		27	19	C		0.00		0.0					0.00				
081 03 1	257	BLK		4	16	N10P21-D			97		4	27	N10W22-8	159	99	U	DCRTN	
081 03 2	B		60	19	D		0.00		0.0					0.00				
081 05 1	257	BLK		4	16	N10P21-E			97		4	27	N10W22-7	159	99	U	DCRTN	
081 05 2	B		60	19	E		0.00		0.0					0.00				
081 07 1	257	BLK		4	16	N10P21-F			97		4	27	N10W22-7	159	99	U	DCRTN	
081 07 2	B		60	19	F		0.00		0.0					0.00				
066 13 1	259	RED		4	16	N10P22-A			98		4	60	N10TB25-7	159	99	V	+28VDC	
066 13 2	B		27	19	A		0.00		0.0					0.00				

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0094			
			FROM					TO											
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION					
			3 4 5		H		FER	3 4 5		H		FER							
067	01	1	259	RED				4 60	N10P22-B				159	99	V	+28VDC			
067	01	2	B		27	19			B	0.00			0.00						
067	03	1	259	RED				4 60	N10P22-C				159	99	V	+28VDC			
067	03	2	B		27	19			C	0.00			0.00						
081	09		257	BLK				4 27	N10P22-D				159	99	V	DCRTN			
081	09	2	B		60	19			D	0.00			0.00						
081	11	1	257	BLK				4 27	N10P22-E				159	99	V	DCRTN			
081	11	2	B		60	19			E	0.00			0.00						
081	13	1	257	BLK				4 27	N10P22-F				159	99	V	DCRTN			
081	13	2	B		60	19			F	0.00			0.00						
067	07	1	259	RED				4 60	N10P23-A				159	99	W	+28VDC			
067	07	2	B		27	19			A	0.00			0.00						
067	09	1	259	RED				4 60	N10P23-B				159	99	W	+28VDC			
067	09	2	B		27	19			B	0.00			0.00						
067	11	1	259	RED				4 60	N10P23-C				159	99	W	+28VDC			
067	11	2	B		27	19			C	0.00			0.00						
082	01	1	257	BLK				4 27	N10P23-D				159	99	W	DCRTN			
082	01	2	B		60	19			D	0.00			0.00						
082	03	1	257	BLK				4 27	N10P23-E				159	99	W	DCRTN			
082	03	2	B		60	19			E	0.00			0.00						
082	05	1	257	BLK				4 27	N10P23-F				159	99	W	DCRTN			
082	05	2	B		60	19			F	0.00			0.00						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0095			
			FROM					TO											
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION					
			3 4 5		H		FER	3 4 5		H		FER							
068	01	1	259	RED				4 60	N10P24-A				159	99	X	+28VDC			
068	01	2	B		27	19			A		0.00	98	0.00						
068	03	1	259	RED				4 60	N10P24-B				159	99	X	+28VDC			
068	03	2	B		27	19			B		0.00	98	0.00						
068	05	1	259	RED				4 60	N10P24-C				159	99	X	+28VDC			
068	05	2	B		27	19			C		0.00	98	0.00						
082	07	1	257	BLK				4 27	N10P24-D				159	99	X	DCRTN			
082	07	2	B		60	19			D		0.00	97	0.00						
082	09	1	257	BLK				4 27	N10P24-E				159	99	X	DCRTN			
082	09	2	B		60	19			E		0.00	97	0.00						
082	11	1	257	BLK				4 27	N10P24-F				159	99	X	DCRTN			
082	11	2	B		60	19			F		0.00	97	0.00						
068	09	1	259	RED				4 60	N10P25-A				159	99	Y	+28VDC			
068	09	2	B		27	19			A		0.00	98	0.00						
068	11	1	259	RED				4 60	N10P25-B				159	99	Y	+28VDC			
068	11	2	B		27	19					0.00	98	0.00						
068	13	1	259	RED				4 60	N10P25-C				159	99	Y	+28VDC			
068	13	2	B		27	19					0.00	98	0.00						
082	13	1	257	BLK				4 27	N10P25-D				159	99	Y	DCRTN			
082	13	2	B		60	19			D		0.00	97	0.00						
083	01	1	257	BLK				4 27	N10P25-E				159	99	Y	DCRTN			
083	01	2	B		60	19			E		0.00	97	0.00						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0096				
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO			S	FIND	GP	FUNCTION	
			FND	KSQ	KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV			
			KCD			1 2	MARKING	S	STP	FND	LENGTH		1 2	MARKING	S	STP	FND	SC	FUNCTION	
						3 4 5		H		FER			3 4 5		H		FER			
083	03	1	257	BLK		4 16	N10P25-F			97			4 27	N10W23-11			159	99	Y	DCRTN
083	03	2	B		60 19		F		0.00		0.0						0.00			
069	03	1	259	RED		4 16	N10P26-A			98			4 60	N10TB25-11			159	99	Z	+28VDC
069	03	2	B		27 19		A		0.00		0.0						0.00			
069	05	1	259	RED		4 16	N10P26-B			98			4 60	N10TB25-11			159	99	Z	+28VDC
069	05	2	B		27 19		B		0.00		0.0						0.00			
069	07	1	259	RED		4 16	N10P26-C			98			4 60	N10TB25-11			159	99	Z	+28VDC
069	07	2	B		27 19		C		0.00		0.0						0.00			
083	05	1	257	BLK		4 16	N10P26-D			97			4 27	N10W23-8			159	99	Z	DCRTN
083	05	2	B		60 19		D		0.00		0.0						0.00			
083	07	1	257	BLK		4 16	N10P26-E			97			4 27	N10W23-9			159	99	Z	DCRTN
083	07	2	B		60 19		E		0.00		0.0						0.00			
083	09	1	257	BLK		4 16	N10P26-F			97			4 27	N10W23-9			159	99	Z	DCRTN
083	09	2	B		60 19		F		0.00		0.0						0.00			
069	11	1	259	RED		4 16	N10P27-A			98			4 60	N10TB25-12			159	99	AA	+28VDC
069	11	2	B		27 19		A		0.00		0.0						0.00			
069	13	1	259	RED		4 16	N10P27-B			98			4 60	N10TB25-12			159	99	AA	+28VDC
069	13	2	B		27 19		B		0.00		0.0						0.00			
070	01	1	259	RED		4 16	N10P27-C			98	F		4 60	N10TB25-12			159	99	AA	+28VDC
070	01	2	B		27 46		C		0.00		0.0	30					0.00			
083	11	1	257	BLK		4 16	N10P27-D			97			4 27	N10W23-7			159	99	AA	DCRTN
083	11	2	B		60 19		D		0.00		0.0						0.00			



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0096			
			FROM					TO											
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG		1 2			H	LUG	SLV						
KCD	KSQ		NOTES	MARKING	S	STP	LENGTH	NOTES	MARKING	S	STP	FND	SC	FUNCTION					
			3 4 5		H			3 4 5		H		FER							
083	13	1	257	BLK				4 27	N10W23-7	159	99	AA	DCRTN						
083	13	2	B		60	19	E	0.00		0.00									
084	01	1	257	BLK				4 27	N10W23-8	159	99	AA	DCRTN						
084	01	2	B		60	19	F	0.00		0.00									
063	05	1	259	RED				4 60	N1TB7-1	159	98		+28VDC						
063	05	2	C					248.0		30									
063	07	1	259	RED				4 16	N10P16-A		98	P	+28VDC						
063	07	2	B					27 19	A	0.00									
063	09	1	259	RED				4 16	N10P16-B		98	P	+28VDC						
063	09	2	B					27 19	B	0.00									
063	11	1	259	RED				4 16	N10P16-C		98	P	+28VDC						
063	11	2	B					27 19	C	0.00									
068	07	1	259	RED				4 60	N1TB7-10	159	98		+28VDC						
068	07	2	C					245.0		30									
068	09	1	259	RED				4 16	N10P25-A		98	Y	+28VDC						
068	09	2	B					27 19	A	0.00									
068	11	1	259	RED				4 16	N10P25-B		98	Y	+28VDC						
068	11	2	B					27 19		0.00									
068	13	1	259	RED				4 16	N10P25-C		98	Y	+28VDC						
068	13	2	B					27 19		0.00									
069	01	1	259	RED				4 60	N1TB7-11	159	98		+28VDC						
069	01	2	C					245.0		30									

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0098					
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					S	FIND	GP	FUNCTION
					KY	NOTES	LOCATION	1	2				3	4	5	H	LUG				
			KCD	KSQ	NOTES	MARKING					LENGTH	NOTES	MARKING								
069	03	1	259	RED	4	60	N10TB25-11		159	99		4	16	N10P26-A				98	Z	+28VDC	
069	03	2	B						0.00		0.0	27	19	A		0.00					
069	05	1	259	RED	4	60	N10TB25-11		159	99		4	16	N10P26-B				98	Z	+28VDC	
069	05	2	B						0.00		0.0	27	19	B		0.00					
069	07	1	259	RED	4	60	N10TB25-11		159	99		4	16	N10P26-C				98	Z	+28VDC	
069	07	2	B						0.00		0.0	27	19	C		0.00					
069	09	1	259	RED	4		N10TB25-12		159	98	F	4	60	N1TB7-12		159	98			+28VDC	
069	09	2	C						0.00		247.0	30				0.00					
069	11	1	259	RED	4	60	N10TB25-12		159	99		4	16	N10P27-A				98	AA	+28VDC	
069	11	2	B						0.00		0.0	27	19	A		0.00					
069	13	1	259	RED	4	60	N10TB25-12		159	99		4	16	N10P27-B				98	AA	+28VDC	
069	13	2	B						0.00		0.0	27	19	B		0.00					
070	01	1	259	RED	4	60	N10TB25-12		159	99	F	4	16	N10P27-C				98	AA	+28VDC	
070	01	2	B		30				0.00		0.0	27	46	C		0.00					
063	13	1	259	RED	4		N10TB25-2		159	98	F	4	60	N1TB7-2		159	98			+28VDC	
063	13	2	C						0.00		243.0	30				0.00					
064	01	1	259	RED	4	60	N10TB25-2		159	99		4	16	N10P17-A				98	Q	+28VDC	
064	01	2	B						0.00		0.0	27	19	A		0.00					
064	03	1	259	RED	4	60	N10TB25-2		159	99		4	16	N10P17-B				98	Q	+28VDC	
064	03	2	B						0.00		0.0	27	19	B		0.00					
064	05	1	259	RED	4	60	N10TB25-2		159	99		4	16	N10P17-C				98	Q	+28VDC	
064	05	2	B						0.00		0.0	27	19	C		0.00					

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0099					
SHT	LN	C	FROM .....										TO .....								
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
			FND			1	2		H	LUG	SLV		1	2		H	LUG	SLV			
			KCD	KSQ		NOTES	MARKING		S	STP	FND	LENGTH	NOTES	MARKING		S	STP	FND	SC	FUNCTION	
						3	4	5	H		FER		3	4	5	H		FER			
064	07	1	259	RED		4		N10TB25-3	159		98	F	4	60	N1TB7-3	159		98			+28VDC
064	07	2	C						0.00			245.5	30			0.00					
064	09	1	259	RED		4	60	N10TB25-3	159		99		4	16	N10P18-A			98	R		+28VDC
064	09	2	B						0.00			0.0	27	19	A	0.00					
064	11	1	259	RED		4	60	N10TB25-3	159		99		4	16	N10P18-B			98	R		+28VDC
064	11	2	B						0.00			0.0	27	19	B	0.00					
064	13	1	259	RED		4	60	N10TB25-3	159		99		4	16	N10P18-C			98	R		+28VDC
064	13	2	B						0.00			0.0	27	19	C	0.00					
065	01	1	246	RED		4		N10TB25-4	162	100		F	4	60	N1TB9-4	163	100				+28VDC
065	01	2	C						0.00			222.5	30			0.00					
065	03	1	259	RED		4	60	N10TB25-4	159		99		4	16	N10P19-A			98	S		+28VDC
065	03	2	B						0.00			0.0	27	19	A	0.00					
065	05	1	259	RED		4	60	N10TB25-4	159		99		4	16	N10P19-B			98	S		+28VDC
065	05	2	:B						0.00			0.0	27	19	B	0.00					
065	07	1	259	RED		4	60	N10TB25-4	159		99		4	16	N10P19-C			98	S		+28VDC
065	07	2	B						0.00			0.0	27	19	C	0.00					
065	09	1	259	RED		4		N10TB25-5	159		98	F	4	60	N1TB7-5	159		98			+28VDC
065	09	2	C						0.00			245.5	30			0.00					
065	11	1	259	RED		4	60	N10TB25-5	159		99		4	16	N10P20-A			98	T		+28VDC
065	11	2	B						0.00			0.0	27	19	A	0.00					
065	13	1	259	RED		4	60	N10TB25-5	159		99		4	16	N10P20-B			98	T		+28VDC
065	13	2	B						0.00			0.0	27	19	B	0.00					

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0100					
SHT	LN	C	WI	CLR	FROM					S	FIND	ROUTE	TO					S	FIND	GP	FUNCTION
					KY	NOTES	LOCATION	1	2				3	4	5	H	LUG				
			KCD	KSQ	NOTES	MARKING				S	FIND	LENGTH	NOTES	MARKING				S	FIND	SC	FUNCTION
					3	4	5	H	STP	FER		3	4	5	H	STP	FER				
066	01	1	259	RED	4	60	N10TB25-5	159	99				4	16	N10P20-C			98	T	+28VDC	
066	01	2	B					0.00			0.0	27	19	C			0.00				
066	03	1	259	RED	4		N10TB25-6	159	98	F			4	60	N1TB7-6			159	98	+28VDC	
066	03	2	C					0.00			242.5	30					0.00				
066	05	1	259	RED	4	60	N100TB25-6	159	99				4	16	N10P21-A			98	U	+28VDC	
066	05	2	B					0.00			0.0	27	19	A			0.00				
066	07	1	259	RED	4	60	N10TB25-6	159	99				4	16	N10P21-B			98	U	+28VDC	
066	07	2	B					0.00			0.0	27	19	B			0.00				
066	09	1	259	RED	4	60	N10TB25-6	159	99				4	16	N10P21-C			98	U	+28VDC	
066	09	2	B					0.00			0.0	27	19	C			0.00				
066	11	1	259	RED	4		N10TB25-7	159	98	F			4	60	N1TB7-7			159	98	+28VDC	
066	11	2	C					0.00			244.5	30					0.00				
066	13	1	259	RED	4	60	N10TB25-7	159	99				4	16	N10P22-A			98	V	+28VDC	
066	13	2	B					0.00			0.0	27	19	A			0.00				
067	01	1	259	RED	4	60	N10TB25-7	159	99				4	16	N10P22-B			98	V	+28VDC	
067	01	2	B					0.00			0.0	27	19	B			0.00				
067	03	1	259	RED	4	60	N10TB25-7	159	99				4	16	N10P22-C			98	V	+28VDC	
067	03	2	B					0.00			0.0	27	19	C			0.00				
067	05	1	246	RED	4		N10TB25-8	162	100	F			4	60	N1TB9-6			163	100	+28VDC	
067	05	2	C					0.00			221.5	30					0.00				
067	07	1	259	RED	4	60	N10TB25-8	159	99				4	16	N10P23-A			98	W	+28VDC	
067	07	2	B					0.00			0.0	27	19	A			0.00				

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0101						
SHT	LN	C	FROM .....										TO .....									
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
			FND			1	2		H	LUG	SLV		1	2		H	LUG	SLV				
			KCD	KSQ		NOTES	MARKING		S	STP	FND	LENGTH	NOTES	MARKING		S	STP	FND	SC	FUNCTION		
						3	4	5	H		FER		3	4	5	H		FER				
067	09	1	259	RED		4	60	N10TB25-8		159	99											
067	09	2	B							0.00		0.0	27	19			0.00		98	W	+28VDC	
067	11	1	259	RED		4	60	N10TB25-8		159	99											
067	11	2	B							0.00		0.0	27	19			0.00		98	W	+28VDC	
067	13	1	259	RED		4		N10TB25-9		159	98	F		4	60			159	98		+28VDC	
067	13	2	C							0.00		246.5	30				0.00					
068	01	1	259	RED		4	60	N10TB25-9		159	99			4	16				98	X	+28VDC	
068	01	2	B							0.00		0.0	27	19			0.00					
068	03	1	259	RED		4	60	N10TB25-9		159	99			4	16				98	X	+28VDC	
068	03	2	B							0.00		0.0	27	19			0.00					
068	05	1	259	RED		4	60	N10TB25-9		159	99			4	16				98	X	+28VDC	
068	05	2	B							0.00		0.0	27	19			0.00					
080	07	1	257	BLK		4	27	N10W22-10		159	99			4	16				97	S	DCRTN	
080	07	2	B							0.00		0.0	60	19			0.00					
080	09	1	257	BLK		4	27	N10W22-10		159	99			4	16				97	S	DCRTN	
080	09	2	B							0.00		0.0	60	19			0.00					
080	03	1	257	BLK		4	27	N10W22-11		159	99			4	16				97	R	DCRTN	
080	03	2	B							0.00		0.0	60	19			0.00					
080	05	1	257	BLK		4	27	N10W22-11		159	99			4	16				97	S	DCRTN	
080	05	2	B							0.00		0.0	60	19			0.00					
079	13	1	257	BLK		4	27	N10W22-12		159	99			4	16				97	R	DCRTN	
079	13	2	B							0.00		0.0	60	19			0.00					

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0102		
SHT	LN	C	FROM .....										TO .....					
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
080	01	1	257	BLK	4	27	N10W22-12	159	99				97	R	DCRTN			
080	01	2	B					0.00		0.0	60	19						
087	07	1	234	BLK	4		N10W22-13	172	100	F			172	100	DCRTN			
087	07	2	C					0.00		220.0	30		0.00					
087	09	1	234	BLK	4	60	N10W22-14	172	100				172	100	DCRTN			
087	09	2	E					0.00		28.0			0.00					
079	09	1	257	BLK	4	27	N10W22-4	159	99				97	Q	DCRTN			
t-n	079	09	2	B				0.00		0.0	60	19						
079	11	1	257	BLK	4	27	N10W22-4	159	99				97	Q	DCRTN			
079	11	2	B					0.00		0.0	60	19						
079	05	1	257	BLK	4	27	N10W22-5	159	99				97	P	DCRTN			
079	05	2	B					0.00		0.0	60	19						
079	071	257	BLK	4	27	N10W22-5	159	99					97	Q	DCRTN			
079	07	2	B					0.00		0.0	60	19						
079	01	1	257	BLK	4	27	N10W22-6	159	99				97	P	DCRTN			
079	01	2	B					0.00		0.0	60	19						
079	03	1	257	BLK	4	27	N10W22-6	159	99				97	P	DCRTN			
079	03	2	B					0.00		0.0	60	19						
081	05	1	257	BLK	4	27	N10W22-7	159	99				97	U	DCRTN			
081	05	2	B					0.00		0.0	60	19						
081	07	1	257	BLK	4	27	N10W22-7	159	99				97	U	DCRTN			
081	07	2	B					0.00		0.0	60	19						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0103				
SHT	LN	C	FROM					TO					S	FIND		GP	FUNCTION			
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES		LOCATION	H			LUG	SLV	
			FND	KSQ		1	2		H	LUG	SLV	1	2		H	LUG	SLV			
			KCD			3	4	5	S	STP	FND	3	4	5	H	STP	FND	SC	FUNCTION	
									H		FER						FER			
081	01	1	257	BLK		4	27	N10W22-8		159	99		4	16				97	T	DCRTN
081	01	2	B							0.00		60	19				0.00			
081	03	1	257	BLK		4	27	N10W22-8		159	99		4	16				97	U	DCRTN
081	03	2	B							0.00		60	19				0.00			
080	11	1	257	BLK		4	27	N10W22-9		159	99		4	16				97	T	DCRTN
080	11	2	B							0.00		60	19				0.00			
080	13	1	257	BLK		4	27	N10W22-9		159	99		4	16				97	T	DCRTN
080	13	2	B							0.00		60	19				0.00			
082	13	1	257	BLK		4	27	N10W23-10		159	99		4	16				97	Y	DCRTN
082	13	2	B							0.00		60	19				0.00			
083	01	1	257	BLK		4	27	N10W23-10		159	99		4	16				97	Y	DCRTN
083	01	2	B							0.00		60	19				0.00			
082	07	1	257	BLK		4	27	N10W23-11		159	99		4	16				97	X	DCRTN
082	07	2	B							0.00		60	19				0.00			
083	03	1	257	BLK		4	27	N10W23-11		159	99		4	16				97	Y	DCRTN
083	03	2	B							0.00		60	19				0.00			
082	09	1	257	BLK		4	27	N10W23-12		159	99		4	16				97	X	DCRTN
082	09	2	B							0.00		60	19				0.00			
082	11	1	257	BLK		4	27	N10W23-12		159	99		4	16				97	X	DCRTN
082	11	2	B							0.00		60	19				0.00			
090	09	1	234	BLK		4		N10W23-13		172	100		4	60			170	100		DCRTN
090	09	2	C							0.00		212.0	30				0.00			

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0104		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG		1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	LENGTH	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H			3 4 5		H		FER						
087	05	1	234	BLK	4		N10W23-13	172	100	F	4	60	N1W1-30	172	100	DCRTN		
087	05	2	C					0.00		200.0	30			0.00				
087	09	1	234	BLK	4		N10W23-13	172	100		4	60	N10W22-14	172	100	DCRTN		
087	09	2	E					0.00		28.0				0.00				
082	01	1	257	BLK	4	27	N10W23-4	159	99		4	16	N10P23-D		97	W DCRTN		
082	01	2	B					0.00		0.0	60	19	D	0.00				
082	03	1	257	BLK	4	27	N10W23-4	159	99		4	16	N10P23-E		97	W DCRTN		
082	03	2	B					0.00		0.0	60	19	E	0.00				
081	09	1	257	BLK	4	27	N10W23-5	159	99		4	16	N10P22-D		97	V DCRTN		
081	09	2	B					0.00		0.0	60	19	D	0.00				
082	05	1	257	BLK	4	27	N10W23-5	159	99		4	16	N10P23-F		97	W DCRTN		
082	05	2	B					0.00		0.0	60	19	F	0.00				
081	11	1	257	BLK	4	27	N10W23-6	159	99		4	16	N10P22-E		97	V DCRTN		
081	11	2	B					0.00		0.0	60	19	E	0.00				
081	13	1	257	BLK	4	27	N10W23-6	159	99		4	16	N10P22-F		97	V DCRTN		
081	13	2	B					0.00		0.0	60	19	F	0.00				
083	11	1	257	BLK	4	27	N10W23-7	159	99		4	16	N10P27-D		97	AA DCRTN		
083	11	2	B					0.00		0.0	60	19	D	0.00				
083	13	1	257	BLK	4	27	N10W23-7	159	99		4	16	N10P27-E		97	AA DCRTN		
083	13	2	B					0.00		0.0	60	19	E	0.00				
083	05	1	257	BLK	4	27	N10W23-8	159	99		4	16	N10P26-D		97	Z DCRTN		
083	05	2	B					0.00		0.0	60	19	D	0.00				



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0105		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	LENGTH	1 2			H	LUG	SC	FUNCTION				
KCD	KSQ		NOTES	MARKING	S	STP		NOTES	MARKING	S	STP	FND						
			3 4 5		H	FER		3 4 5		H	FER							
084	01	1	257	BLK				4	27	N10W23-8		159	99					
084	01	2	B				0.00					0.00		97	AA DCRTN			
083	07	1	257	BLK				4	27	N10W23-9		159	99					
083	07	2	B				0.00					0.00		97	Z DCRTN			
083	09	1	257	BLK				4	27	N10W23-9		159	99					
083	09	2	B				0.00					0.00		97	Z DCRTN			
091	07	1	65	RED				4	56	N11A25TB1-1A		150	95					
091	07	2	K		60		0.00					0.00	36.0	95	AK +28VDC			
091	09	1	60	BLK				4	56	N11A25TB1-2A		150	95					
091	09	2	K		60		0.00					0.00	36.0	95	AK DCRTN			
091	11	1	60	BLK				4	56	N11A25TB1-3A		150	95					
091	11	2	K		60		0.00					0.00	36.0	95	AK DCRTN			
091	13	1	65	RED				4	56	N11A25TB1-4A		150	95					
091	13	2	K		60		0.00					0.00	36.0	95	AK +28VDC			
092	01	1	65	RED				4	56	N11A25TB1-6A		150	95					
092	01	2	K		60		0.00					0.00	55.0	95	AK +28VDC			
092	03	1	60	BLK				4	56	N11A25TB1-7A		150	95					
092	03	2	K		60		0.00					0.00	55.0	95	AK DCRTN			
092	05	1	60	BLK				4	56	N11A25TB1-8A		150	95					
092	05	2	K		60		0.00					0.00	55.0	95	AK DCRTN			
092	07	1	65	RED				4	5	N11A25TB19A		150	95					
092	07	2	K		60		0.00					0.00	55.0	95	AK +28VDC			

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0106		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
085	11	1	254	GRN			194	4	60	N11TB16-5A		193	98	GND				
085	11	2	E				0.00			25.0		0.00						
085	13	1	254	GRN			194	4	60	N11TB16-6A		193	98	GND				
085	13	2	E				0.00			25.0		0.00						
073	11	1	67	GRN		4	17	4	27	N12TB16-6B		190	96	J GND				
073	11	2	G		60	19				45.0		0.00						
076	11	1	63	RED		4	17	4	60	N11TB16-2B		190	96	J +28VDC				
076	11	2	G		27	19				45.0		0.00						
085	07	1	58	BLK		4	17	4	60	N11TB16-4B		190	96	J DCRTN				
085	07	2	G		27	19				43.0		0.00						
073	13	1	67	GRN		4	17	4	27	N12TB16-6B		190	96	K GND				
073	13	2	G		60	19				45.0		0.00						
076	13	1	63	RED		4	17	4	60	N11TB16-2B		190	96	K +28VDC				
076	13	2	G		27	19				45.0		0.00						
085	09	1	58	BLK		4	17	4	60	N11TB16-4B		190	96	K DCRTN				
085	09	2	G		27	19				43.0		0.00						
037	07	1	75	GRA			33	4	27	N11TB23-1B		190	96	C 115VAC				
037	07	2	G		60	19				44.0		0.00						
037	09	1	75	GRA			33	4	27	N11TB23-2B		190	96	C 115VAC				
037	09	2	G		60	19				44.0		0.00						
037	11	1	67	GRN			33	4	27	N11TB23-3B		190	96	C GND				
037	11	2	G		60	19				44.0		0.00						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0107					
SHT	LN	C	FROM .....										TO .....								
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
			FND			1	2		H	LUG	SLV		1	2		H	LUG	SLV			
			KCD	KSQ		NOTES	MARKING		S	STP	FND	LENGTH	NOTES	MARKING		S	STP	FND	SC	FUNCTION	
						3	4	5	H		FER		3	4	5	H		FER			
073	07	1	67	GRN		4	17	N11P8-A			96		4	27	N11TB16-5B			190	96	H	GND
073	07	2	G	60	19	A0.00	45.0				0.00										
076	07	1	63	RED		4	17	N11P8-B			96		4	60	N11TB16-1B			190	96	H	+28VDC
076	07	2	G		27	19	B				0.00	45.0						0.00			
085	01	1	58	BLK		4	17	N11P8-C			96		4	60	N11TB16-3B			190	96	H	DCRTN
085	01	2	G		27	19	C				0.00	43.0						0.00			
073	09	1	67	GRN		4	17	N11P9-A			96		4	27	N11TB16-5B			190	96	I	GND
073	09	2	G		60	19	A				0.00	45.0						0.00			
076	09	1	63	RED		4	17	N11P9-B			96		4	60	N11TB16-1B			190	96	I	+28VDC
076	09	2	G		27	19	B				0.00	45.0						0.00			
085	03	1	58	BLK		4	17	N11P9-C			96		4	60	N11TB16-3B			190	96	I	DCRTN
085	03	2	G		27	19	C				0.00	43.0						0.00			
070	03	1	251	RED		4		N11TB16-1A			193	FH	4	60	N1TB8-4B			193	98		+28VDC
070	03	2	C								0.00	300.0	30					0.00			
091	07	1	65	RED		4		N11TB16-1A			186		4	56	N11A25TB1-1A			150	95	AK	+28VDC
091	07	2	K								0.00	36.0	60					0.00			
076	07	1	63	RED		4	60	N11TB16-1B			190		4	17	N11P8-B				96	H	+28VDC
076	07	2	G								0.00	45.0	27	19	B			0.00			
076	09	1	63	RED		4	60	N11TB16-1B			190		4	17	N11P9-B				96	I	+28VDC
076	09	2	G								0.00	45.0	27	19	B			0.00			
070	05	1	251	RED		4		N11TB16-2A			193	FH	4	60	N1TB8-5B			193	98		+28VDC
070	05	2	C								0.00	300.0	30					0.00			

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0108		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV	1 2			H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	NOTES	MARKING	S	STP	FND	SC	FUNCTION				
			3 4 5		H		FER	3 4 5		H		FER						
091	13	1	65	RED			186	4	56	N11A25TB1-4A		150	95	AK +28VDC				
091	13	2	K				0.00	60				0.00						
076	11	1	63	RED			190	4	17	N11P10-B			96	J +28VDC				
076	11	2	G				0.00	27	19	B		0.00'						
076	13	1	63	RED			190	4	17	N11P11-B			96	K +28VDC				
076	13	2	G				0.00	27	19	B		0.00						
084	13	1	249	BLK			193	4		N1W1-33		159	98	DCRTN				
084	13	2	C		30		0.00					0.00						
091	09	1	60	BLK			186	4	56	N11A25TB1-2A		150	95	AK DCRTN				
091	09	2	K				0.00	60				0.00						
085	01	1	58	BLK			190	4	17	N11P8-C			96	H DCRTN				
085	01	2	G				0.00	27	19	C		0.00						
085	03	1	58	BLK			190	4	17	N11P9-C			96	I DCRTN				
085	03	2	G				0.00	27	19	C		0.00						
085	05	1	249	BLK			193	4		N1W1-31		159	98	DCRTN				
085	05	2	C		30		0.00					0.00						
091	11	1	60	BLK			186	4	56	N11A25TB1-3A		150	95	AK DCRTN				
091	11	2	K				0.00	60				0.00'						
085	07	1	58	BLK			190	4	17	N11P10-C			96	J DCRTN				
085	07	2	G				0.00	27	19	C		0.00						
085	09	1	58	BLK			190	4	17	N11P11-C			96	K DCRTN				
085	09	2	G				0.00	27	19	C		0.00						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0109			
			FROM					TO											
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION					
FND			1 2		H	LUG	LENGTH	1 2			H	LUG	SC	FUNCTION					
KCD	KSQ		NOTES	MARKING	S	STP		NOTES	MARKING	S	STP	FND							
			3 4 5		H			3 4 5		H		FER							
085	11	1	254	GRN				4	60	N11TB16-5A	193	98							
085	11	2	E				0.00					25.0	4	N11E34	194	97	GND		
073	07	1	67	GRN				4	27	N11TB16-5B	190	96							
073	07	2	G				0.00					45.0	60	4 17	N11P8-A		96	H	GND
073	07	2											0.00		A				
073	09	1	67	GRN				4	27	N11TB16-5B	190	96							
073	09	2	G				0.00					45.0	60	4 17	N11P9-A		96	I	GND
073	09	2											0.00		A				
085	13	1	254	GRN				4	60	N11TB16-6A	193	98							
085	13	2	E				0.00					25.0	4	N11E34	194	97	GND		
038	05	1	263	GRA				4	60	N11TB23-1A	193	97							
038	05	2	C		30		0.00					EC	4	N2TB33-3B	195	97	115VAC		
038	05	2										201.0							
037	07	1	75	GRA				4	27	N11TB23-1B	190	96							
037	07	2	G				0.00					44.0	60	33	N11P3-A			C	115VAC
037	07	2											0.00		19				
038	07	1	263	GRA				4	60	N11TB23-2A	193	97							
038	07	2	C		30		0.00					EC	4	N2TB33-4B	195	97	115VAC		
038	07	2										201.0							
037	09	1	75	GRA				4	27	N11TB23-2B	190	96							
037	09	2	G				0.00					44.0	60	33	N11P3-D			C	115VAC
037	09	2											0.00		19				
038	09	1	67	GRN				4	60	N11TB23-3A	190	96							
038	09	2	C		30		0.00					EC	4	N2TB33-5B	190	96	GND		
038	09	2										200.5							
037	11	1	67	GRN				4	27	N11TB23-3B	190	96							
037	11	2	G				0.00					44.0	60	33	N11P3-E			C	GND
037	11	2											0.00		19				
078	09	1	247	GRN				4		N12E30	163	99							
078	09	2	E				0.00					33.0	4	60	N12TB31-3A	162	99	GND	
078	09	2											0.00						

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued.

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0110					
SHT	LN	C	FROM .....										TO .....								
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
			FND			1	2		H	LUG	SLV		1	2		H	LUG	SLV			
			KCD	KSQ		NOTES	MARKING		S	STP	FND	LENGTH	NOTES	MARKING		S	STP	FND	SC	FUNCTION	
						3	4	5	H		FER		3	4	5	H		FER			
072	09	1	254	GRN		4		N12E35		194	98		4	60	N12TB17-5A		193	98		GND	
072	09	2	E							0.00		33.0					0.00				
072	11	1	254	GRN		4		N12E35		194	98		4	60	N12TB17-6A		193	98		GND	
072	11	2	E							0.00		33.0					0.00				
039	07	1	238	GRN		4		N12E39		170	100	F	4	60	N1E1		172	100		GND	
039	07	2	C							0.00		187.5	30				0.00				
072	13	1	67	GRN		4	17	N12P12-A			96		4	60	N12TB17-5B		190	96	L	GND	
072	13	2	G		27	19				0.00		45.0					0.00				
071	03	1	63	RED		4	17	N12P12-B			96		4	60	N12TB17-1B		190	96	L	+28VDC	
071	03	2	G		27	19	B			0.00		45.0					0.00				
071	11	1	58	BLK		4	17	N12P12-C			96		4	60	N12TB17-3B		190	96	L	DCRTN	
071	11	2	G		27	19	C			0.00	43.0	0.00									
073	01	1	67	GRN		4	17	N12P13-A			96		4	60	N12TB17-5B		190	96	M	GND	
073	01	2	G		27	19	A			0.00		45.0					0.00				
071	05	1	63	RED		4	17	N12P13-B			96		4	60	N12TB17-1B		190	96	M	+28VDC	
071	05	2	G		27	19				0.00		45.0					0.00				
071	13	1	58	BLK		4	17	N12P13-C			96		4	60	N12TB17-3B		190	96	M	DCRTN	
071	13	2	G		27	19	C			0.00		43.0					0.00				
073	03	1	67	GRN		4	17	N12P14-A			96		4	60	N12TB17-6B		190	96	N	GND	
073	03	2	G		27	19	A			0.00		45.0					0.00				
071	07	1	63	RED		4	17	N12P14-B			96		4	60	N12TB17-2B		190	96	N	+28VDC	
071	07	2	G		27	19	B			0.00		45.0					0.00				

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0111		
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION
				1	2	3		S	FIND	LOC		S	FIND	GP		
				4	5		H	LUG	SLV		H	LUG	SLV			
			3	4	5		S	STP	FND		S	STP	FND			
							H		FER			H		FER		
072 01 1	58	BLK		4	17	N12P14-C			96		4	60	N12TB17-4B	190	96	N DCRTN
072 01 2	G		27	19		C		0.00		43.0				0.00		
073 05 1	67	GRN		4	17	N12P15-A			99		4	60	N12TB17-6B	190	96	O GND
073 05 2	G	27	19			A		0.00		45.0				0.00		
071 09 1	63	RED		4	17	N12P15-B			96		4	60	N12TB17-2B	190	96	O +28VDC
071 09 2	G		27	19		B		0.00		45.0				0.00		
072 03 1	58	BLK		4	17	N12P15-C			96		4	60	N12TB17-4B	190	96	O DCRTN
072 03 2	G		27	19		C		0.00		43.0				0.00		
062 05 1	61	RED		4	16	N12P33-A			97		4	60	N12TB31-1A	193	97	AG +28VDC
062 05 2	G		27	19		A		0.00		43.0				0.00		
062 07 1	61	RED		4	16	N12P33-B			97		4	60	N12TB31-1B	193	97	AG +28VDC
062 07 2	G		27	19		B		0.00		45.0				0.00		
062 09 1	61	RED		4	16	N12P33-C			97		4	60	N12TB31-1B	193	97	AG +28VDC
062 09 2	G		27	19		C		0.00		45.0				0.00		
075 05 1	56	BLK		4	16	N12P33-D			97		4	27	N12TB31-2A	193	97	AG DCRTN
075 05 2	G		60	19		D		0.00		42.0				0.00		
075 07 1	56	BLK		4	16	N12P33-E			97		4	27	N12TB31-2B	193	97	AG DCRTN
075 07 2	G		60	19		E		0.00		44.0				0.00		
075 09 1	56	BLK		4	16	N12P33-F			97		4	27	N12TB31-2B	193	97	AG DCRTN
075 09 2	G		60	19		F		0.00		44.0				0.00		
078 07 1	262	GRN		4	16	N12P33-H			98		4	27	N12TB31-3B	193	97	AG GND
078 07 2	G		60	19		H		0.00		43.0				0.00		

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0112				
	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	TO			GP	FUNCTION		
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND
	FND	KSQ	3	4	5	MARKING	H	LUG	SLV	LENGTH	3	4	5	H	LUG	SLV	SC	FUNCTION
KCD						S	STP	FND					H	STP	FND			
037 13 1	75	GRA			33	N12P4-A						4	27	N12TB24-1B	190	96	D	115VAC
037 13 2	G		60	19					0.00	44.0					0.00			
038 01 1	75	GRA			33	N12P4-D						4	27	N12TB24-2B	190	96	D	115VAC
038 01 2	G		60	19					0.00	44.0					0.00			
038 03 1	67	GRN			33	N12P4-E						4	27	N12TB24-3B	190	96	D	GND
038 03 2	G		60	19					0.00	44.0					0.00			
073 11 1	67	GRN		4	27	N12TB16-6B	190	96				4	17	N11P10-A		96	J	GND
073 11 2	G						0.00		45.0		60	19	A		0.00			
073 13 1	67	GRN		4	27	N12TB16-6B	190	96				4	17	N11P11-A		96	K	GND
073 13 2	G						0.00		45.0		60	19	A		0.00			
070 07 1	251	RED		4		N12TB17-1A	193	98	FH			4	60	N1TB8-6B	193	98		+28VDC
070 07 2	C						0.00		330.0		30				0.00			
092 01 1	65	RED		4		N12TB17-1A	186	95				4	56	N11A25TB1-6A	150	95	AK	+28VDC
092 01 2	K						0.00		55.0		60				0.00			
071 03 1	63	RED		4	60	N12TB17-1B	190	96				4	17	N12P12-B		96	L	+28VDC
071 03 2	G						0.00		45.0		27	19	B		0.00			
071 05 1	63	RED		4	60	N12TB17-1B	190	96				4	17	N12P13-B		96	M	+28VDC
071 05 2	G						0.00		45.0		27	19			0.00			
070 09 1	251	RED		4		N12TB17-2A	193	98	FH			4	60	N1TB8-7B	193	98		+28VDC
070 09 2	C						0.00		328.5		30				0.00			
092 07 1	65	RED		4		N12TB17-2A	186	95				4	56	N11A25TB1-9A	150	95	AK	+28VDC
092 07 2	K						0.00		55.0		60				0.00			



Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0113			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION
				1	2		S	FIND	1		2	S		FIND	S	FIND	
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	S	STP	FND		
H	LUG	SLV	H	LUG	FER	H	LUG	FER	H	LUG	FER	H	LUG	FER			
071 07 1	63	RED		4	60	N12TB17-2B	190		96		4	17	N12P14-B			96	N +28VDC
071 07 2	G						0.00			45.0	27	19	B		0.00		
071 09 1	63	RED		4	60	N12TB17-2B	190		96		4	17	N12P15-B			96	O +28VDC
071 09 2	G						0.00			45.0	27	19	B		0.00		
072 05 1	249	BLK		4	60	N12TB17-3A	193		98	HF	4		N1W1-32		159	98	DCRTN
072 05 2	C		30				0.00			292.0					0.00		
092 03 1	60	BLK		4		N12TB17-3A	186		95		4	56	N11A25TB1-7A		150	95	AK DCRTN
092 03 2	K						0.00			55.0	60				0.00		
071 11 1	58	BLK		4	60	N12TB17-3B	190		96		4	17	N12P12-C			96	L DCRTN
071 11 2	G						0.00			43.0	27	19	C		0.00		
071 13 1	58	BLK		4	60	N12TB17-3B	190		96		4	17	N12P13-C			96	M DCRTN
071 13 2	G						0.00			43.0	27	19	C		0.00		
072 071 249	BLK	4			60	N12TB17-4A	193		98	HF	4		N1W1-34		159	98	DCRTN
072 07 2	C		30				0.00			300.0					0.00		
092 05 1	60	BLK		4		N12TB17-4A	186		95		4	56	N11A25TB1-8A		150	95	AK DCRTN
092 05 2	K						0.00			55.0	60				0.00		
072 01 1	58	BLK		4	60	N12TB17-4B	190		96		4	17	N12P14-C			96	N DCRTN
072 01 2	G						0.00			43.0	27	19	C		0.00		
072 03 1	58	BLK		4	60	N12TB17-4B	190		96		4	17	N12P15-C			96	O DCRTN
072 03 2	G						0.00			43.0	27	19	C		0.00		
072 09 1	254	GRN		4	60	N12TB17-5A	193		98		4		N12E35		194	98	GND
072 09 2	E						0.00			33.0					0.00		

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0114			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION
				1	2		S	FIND	1		2	S		FIND	S	FIND	
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	H	LUG	SLV	FER	
072 13 1	67	GRN		4	60	N12TB17-5B	190		96		4	17	N12P12-A			96	L GND
072 13 2	G						0.00			45.0	27	19			0.00		
073 01 1	67	GRN		4	60	N12TB17-5B	190		96		4	17	N12P13-A			96	M GND
073 01 2	G						0.00			45.0	27	19	A		0.00		
072 11 1	254	GRN		4	60	N12TB17-6A	193		98		4		N12E35		194	98	GND
072 11 2	E						0.00			33.0					0.00		
073 03 1	67	GRN		4	60	N12TB17-6B	190		96		4	17	N12P14-A			96	N GND
073 03 2	G						0.00			45.0	27	19	A		0.00		
073 05 1	67	GRN		4	60	N12TB17-6B	190		96		4	17	N12P15-A			99	O GND
073 05 2	G						0.00			45.0	27	19	A		0.00		
038 11 1	263	GRA		4	60	N12TB24-1A	193		97	EC	4		N2TB32-3B		195	97	115VAC
038 11 2	C		30				0.00			182.0					0.00		
037 13 1	75	GRA		4	27	N12TB24-1B	190		96			33	N12P4-A				D 115VAC
037 13 2	G						0.00			44.0	60	19			0.00		
038 13 1	263	GRA		4	60	N12TB24-2A	193		97	EC	4		N2TB32-4B		195	97	115VAC
038 13 2	C		30				0.00			190.0					0.00		
038 01 1	75	GRA		4	27	N12TB24-2B	190		96			33	N12P4-D				D 115VAC
038 01 2	G						0.00			44.0	60	19			0.00		
039 01 1	67	GRN		4	60	N12TB24-3A	190		96	EC	4		N2TB32-5B		190	96	GND
039 01 2	C		30				0.00			182.0					0.00		
038 03 1	67	GRN		4	27	N12TB24-3B	190		96			33	N12P4-E				D GND
038 03 2	G						0.00			44.0	60	19			0.00		

Table 5-13. Message Processing Shelter, Power Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0115				
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2		S	FIND	1		2	S		FIND	SLV			
	3	4	5	S	STP	FND	3	4	5	S	STP	FND	H	LUG	FER			
H	LUG	SLV	H	LUG	FER	H	LUG	FER	H	LUG	FER	H	LUG	FER				
062 03 1	246	RED		4		N12TB31-1A	162		100	F	4	60	N1TB8-11B		162	100	+28VDC	
062 03 2	C						0.00			327.0	30			0.00				
062 05 1	61	RED		4	60	N12TB31-1A	193		97		4	16	N12P33-A			97	AG +28VDC	
062 05 2	G						0.00			43.0	27	19	A	0.00				
062 07 1	61	RED		4	60	N12TB31-1B	193		97		4	16	N12P33-B			97	AG +28VDC	
062 07 2	G						0.00			45.0	27	19	B	0.00				
062 09 1	61	RED		4	60	N12TB31-1B	193		97		4	16	N12P33-C			97	AG +28VDC	
062 09 2	G						0.00			45.0	27	19	C	0.00				
087 01 1	244	BLK		4		N12TB31-2A	162		100	F	4	60	N1W1-10		162	100	DCRTN	
087 01 2	C						0.00			300.0	30			0.00				
075 05 1	56	BLK		4	27	N12TB31-2A	193		97		4	16	N12P33-D			97	AG DCRTN	
075 05 2	G						0.00			42.0	60	19	D	0.00				
075 07 1	56	BLK		4	27	N12TB31-2B	193		97		4	16	N12P33-E			97	AG DCRTN	
075 07 2	G						0.00			44.0	60	19	E	0.00				
075 09 1	56	BLK		4	27	N12TB31-2B	193		97		4	16	N12P33-F			97	AG DCRTN	
075 09 2	G						0.00			44.0	60	19	F	0.00				
078 09 1	247	GRN		4	60	N12TB31-3A	162		99		4		N12E30		163	99	GND	
078 09 2	E						0.00			33.0				0.00				
078 07 1	262	GRN		4	27	N12TB31-3B	193		97		4	16	N12P33-H			98	AG GND	
078 07 2	G						0.00			43.0	60	19	H	0.00				

Change 2 5-1927 (5-1928 blank) All data on pages 5-1928 through 5-1952 deleted.

**Table 5-14. Message Processing Shelter, Power Redundant Cable Run List Associated Parts List**

PARTS LIST		WRL-PWRIPMEPRSA		PLSMB817030		PL REV -W		
ASSEMBLY PART NUMBER SMB817030						SHEET 2		
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.	
*	1	82	LF	80063	SMA838551-1	WIRE, ELEC, HKUP	7	
*	2	6	LF	80063	SMA838551-2	WIRE, ELEC, HKUP	7	
*	3	15	LF	80063	SMA838551-3	WIRE, ELEC, HKUP	7	
*	4	300	LF	80063	SMA838551-4	WIRE, ELEC, HKUP	7	
	5	REF			DELETE	DELETED ITEM		
*	6	44	LF	80063	SMA838551-6	WIRE, ELEC, HKUP	7	
*	7	195	LF	80063	SMA838551-7	WIRE, ELEC, HKUP	7	
	8	REF			DELETE	DELETED ITEM		
*	9	6		80063	SMA838672-1	TERMINAL LUG		
	10	3	LF	81349	EC16U0-9SF	MIL-C-55021/2	CABLE, SPCL PRP	7
	11	30	LF	81349	EC20U0-9SF	MIL-C-55021/2	CABLE, SPCL PRP	7
	12	92	LF	81349	EC22U0-9U	MIL-C-55021/2	CABLE, SPCL PRP	7
	13	90	LF	81349	EC24U0-9SF	MIL-C-55021/2	CABLE, SPCL PRP	7
	14	REF			DELETE	DELETED ITEM		
*	15	5		80063	SMA838515-1	SLEEVE, SOLDER		
	16	REF			DELETE	DELETED ITEM		
	17	29	LF	81349	M5086-2-02-0	MIL-W-5086/2	WIRE, ELECTRICAL	7
	18	112	LF	81349	M5086-2-02-9	MIL-W-5086/2	WIRE, ELECTRICAL	7
	19	37	LF	81349	M5086-2-02-2	MIL-W-5086/2	WIRE, ELECTRICAL	7
	20	10	LF	81349	M5086-2-1-9	MIL-W-5086/2	WIRE, ELECTRICAL	7
	21	10	LF	81349	M5086-2-2-9	MIL-W-5086/2	WIRE, ELECTRICAL	7
	22	REF			DELETE	DELETED ITEM		
	23	REF			DELETE	DELETED ITEM		
	24	REF			DELETE	DELETED ITEM		



**Table 5-14. Message Processing Shelter, Power Redundant Cable  
Run List Associated Parts List - Continued**

PARTS LIST		WRL-PWRIPMEPRSA		PLSMB817030		PL REV -W	
ASSEMBLY PART NUMBER SMB817030							SHEET 4
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
49	2	LF	81349	TYPEE24AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	7
50	335	LF	81349	TYPEE14AWGWHT	MIL-W-16878/4	WIRE, ELECTRICAL	7
51	710	LF	81349	TYPEE16AWGWHT	MIL-W-16878/4	WIRE, ELECTRICAL	7
52	REF			DELETE		DELETED ITEM	
53	168	LF	81349	TYPEE20AWGWHT	MIL-W-16878/4	WIRE, ELECTRICAL	7
54	34	LF	81349	TYPEE22AWGWHT	MIL-W-16878/4	WIRE, ELECTRICAL	7
55	29	LF	81349	TYPEE22AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	7
56	40	LF	81349	TYPEE12AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	7
57	106	LF	81349	TYPEE14AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	7
58	577	LF	81349	TYPEE16AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	7
59	REF			DELETE		DELETED ITEM	
60	41	LF	81349	TYPEE20AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	7
61	25	LF	81349	TYPEE12AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	7
62	67	LF	81349	TYPEE14AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	7
63	609	LF	81349	TYPEE16AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	7
64	REF			DELETE		DELETED ITEM	
65	25	LF	81349	TYPEE20AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	7
66	50	LF	81349	TYPEE14AWGGRN	MIL-W-16878/4	WIRE, ELECTRICAL	7
67	240	LF	81349	TYPEE16AWGGRN	MIL-W-16878/4	WIRE, ELECTRICAL	7
68	30	LF	81349	TYPEE22AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	7
69	14	LF	81349	TYPEE14AWGBLU	MIL-W-16878/4	WIRE, ELECTRICAL	7
70	REF			DELETE		DELETED ITEM	
71	REF			DELETE		DELETED ITEM	
72	25	LF	81349	TYPEE20AWGGRN	MIL-W-16878/4	WIRE, ELECTRICAL	7

**Table 5-14. Message Processing Shelter, Power Redundant Cable  
Run List Associated Parts List - Continued**

PARTS LIST		WRL-PWRIPMEPRSA		PLSMB817030		PL REV -W	
ASSEMBLY PART NUMBER SMB817030							SHEET 5
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
73	REF			DELETE		DELETED ITEM	
74	REF			DELETE		DELETED ITEM	
75	176	LF	81349	TYPEE16AWGGRA	MIL-W-16878/4	WIRE, ELECTRICAL	7
76	REF			DELETE		DELETED ITEM	
77	76	IN	81349	CL1-.250IDBLK	MIL-I-23053/5	INSULATION SLVG	5
78	34	IN	81349	CL1-.500IDBLK	MIL-I-23053/5	INSULATION SLVG	5
79	40	IN	81349	CL1-.375IDBLK	MIL-I-23053/5	INSULATION SLVG	5
80	4	IN	81349	CL1-1.00IDBLK	MIL-I-23053/5	INSULATION SLVG	
81	25	IN	81349	CL1-.750IDBLK	MIL-I-23053/5	INSULATION SLVG	5
82	REF			DELETE		DELETED ITEM	
83	65	IN	81349	CL1-.187IDBLK	MIL-I-23053/5	INSULATION SLVG	5
84	4	IN	81349	CL1-.093IDBLK	MIL-I-23053/5	INSULATION SLVG	5
85	6	IN	81349	CL1-.093IDRED	MIL-I-23053/5	INSULATION SLVG	5
86	11	IN	81349	CL1-.063IDRED	MIL-I-23053/5	INSULATION SLVG	5
87	142	IN	81349	CL1-.187IDRED	MIL-I-23053/5	INSULATION SLVG	5
88	88	IN	81349	CL1-.250IDRED	MIL-I-23053/5	INSULATION SLVG	5
89	336	IN	81349	CL1-.375IDRED	MIL-I-23053/5	INSULATION SLVG	5
90	195	IN	81349	CL1-.500IDRED	MIL-I-23053/5	INSULATION SLVG	5
91	48	IN	81349	CL1-.750IDRED	MIL-I-23053/5	INSULATION SLVG	5
92	42	IN	81349	CL1-.187IDGRA	MIL-I-23053/5	INSULATION SLVG	5
93	2	LF	81349	CL1-.250IDGRA	MIL-I-23053/5	INSULATION SLVG	5
94	74	IN	81349	CL1-.063IDYEL	MIL-I-23053/5	INSULATION SLVG	5
95	93	IN	81349	CL1-.093IDYEL	MIL-I-23053/5	INSULATION SLVG	5
96	328	IN	81349	CL1-.125IDYEL	MIL-I-23053/5	INSULATION SLVG	5

**Table 5-14. Message Processing Shelter, Power Redundant Cable  
Run List Associated Parts List - Continued**

PARTS LIST		WRL-PWRIPMEPRSA		PLSMB817030		PL REV -W	
ASSEMBLY PART NUMBER SMB817030							SHEET 6
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
97	237	IN	81349	CL1-.187IDYEL	MIL-I-23053/5	INSULATION SLVG	5
98	142	IN	81349	CL1-.250IDYEL	MIL-I-23053/5	INSULATION SLVG	5
99	135	IN	81349	CL1-.375IDYEL	MIL-I-23053/5	INSULATION SLVG	5
100	93	IN	81349	CL1-.500IDYEL	MIL-I-23053/5	INSULATION SLVG	5
101	52	IN	81349	CL1-.750IDYEL	MIL-I-23053/5	INSULATION SLVG	5
102	35	IN	81349	CL1-1.00IDYEL	MIL-I-23053/5	INSULATION SLVG	5
103	10	IN	81349	CL1-.187IDBLU	MIL-I-23053/5	INSULATION SLVG	5
104	19	LF	81349	CL1-.250IDBLU	MIL-I-23053/5	INSULATION SLVG	5
105	19	IN	81349	CL1-.750IDBLU	MIL-I-23053/5	INSULATION SLVG	5
106	13	IN	81349	CL1-.500IDBLU	MIL-I-23053/5	INSULATION SLVG	5
107	98	IN	81349	CL1-.375IDVIO	MIL-I-23053/5	INSULATION SLVG	5
108	41	IN	81349	CL1-.250IDVIO	MIL-I-23053/5	INSULATION SLVG	5
109	16	IN	81349	CL1-.500IDGRN	MIL-I-23053/5	INSULATION SLVG	5
110	10	IN	81349	CL1-.187IDWHT	MIL-I-23053/5	INSULATION SLVG	5
111	12	IN	81349	CL1-1.50IDYWL	MIL-I-23053/5	INSULATION SLVG	5
112	34	IN	81349	CL1-.375IDGRN	MIL-I-23053/5	INSULATION SLVG	5
113	REF			DELETE		DELETED ITEM	
114	2	96906		MS3106F24-123	MIL-C-5015	CONN, PLUG, ELEC	
115	REF			DELETE		DELETED ITEM	
116	REF			DELETE		DELETED ITEM	
117	2	96906		MS3106F20-18P	MIL-C-5015	CONN, PLUG, ELEC	
118	1	96906		MS3116F22-55S	MIL-C-26482	CONN, PLUG, ELEC	
119	1	96906		MS3116F8-4S	MIL-C-26482	CONN, PLUG, ELEC	
120	3	96906		MS3116E10-6S	MIL-C-26482	CONN, PLUG, ELEC	



**Table 5-14. Message Processing Shelter, Power Redundant Cable  
Run List Associated Parts List - Continued**

PARTS LIST		WRL-PWRIPMEPRSA		PLSMB817030		PL REV -W	
ASSEMBLY PART NUMBER SMB817030							SHEET 7
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
121	1	96906		MS3126F10-6S	MIL-C-26482	CONN, PLUG, ELEC	
122	REF			DELETE		DELETED ITEM	
123	16	96906		MS27488-12		PLUG, GROM SEC	
124	REF			DELETE		DELETED ITEM	
125	REF			DELETE		DELETED ITEM	
126	2	96906		MS27488-20		PLUG, GROM SEG	
127	REF			DELETE		DELETED ITEM	
128	REF			DELETE		DELETED ITEM	
129	REF	81349		M39029/4-110	MIL-C-39029/4	CONTACT, ELEC	
130	REF	81349		M39029/5-16-16	MIL-C-39029/5	CONTACT, ELEC	
131	REF	96906		MS3193A20-20A	MIL-C-39029/32	CONTACT, SOCKET	
132	REF	81349		M39029/5-12-12	MIL-C-39029/5	CONTACT, ELEC	
133	REF			DELETE		DELETED ITEM	
134	REF			DELETE		DELETED ITEM	
135	REF			DELETE		DELETED ITEM	
136	REF			DELETE		DELETED ITEM	
137	REF			DELETE		DELETED ITEM	
138	REF			DELETE		DELETED ITEM	
139	2	96906		MS3476L14-5S	MIL-C-26482	CONN, PLUG, ELEC	
140	REF			DELETE		DELETED ITEM	
141	REF			DELETE		DELETED ITEM	
142	1	96906		MS3417-14N	MIL-C-5015	CLAMP, STRAIN RL	
143	1	96906		MS3417-16N	MIL-C-5015	CLAMP, STRAIN RL	
144	1	96906		MS3476L16-26P	MIL-C-26482	CONN, PLUG, ELEC	

**Table 5-14. Message Processing Shelter, Power Redundant Cable  
Run List Associated Parts List - Continued**

PARTS LIST		WRL-PWRIPMEPRSA		PLSMB817030		PL REV -W	
ASSEMBLY PART NUMBER SMB817030							SHEET 8
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
145	REF			DELETE		DELETED ITEM	
146	15		96906	MS3418-18N	MIL-C-5015	CLAMP, STRAIN RL	
147	15		96906	MS3476L18-8S	MIL-C-26482	CONN, PLUG, ELEC	
148	REF			DELETE		DELETED ITEM	
149	REF			DELETE		DELETED ITEM	
150	99		96906	MS25036-101	MIL-T-7928	TERMINAL, LUG	
151	8		96906	MS25036-103	MIL-T-7928	TERMINAL, LUG	
152	REF			DELETE		DELETED ITEM	
153	83		96906	MS25036-106	MIL-T-7928	TERMINAL, LUG	
154	REF			DELETE		DELETED ITEM	
155	47		96906	MS25036-108	MIL-T-7928	TERMINAL, LUG	
156	REF			DELETE		DELETED ITEM	
157	REF			DELETE		DELETED ITEM	
158	REF			DELETE		DELETED ITEM	
159	145		96906	MS25036-112	MIL-T-7928	TERMINAL, LUG	
160	REF			DELETE		DELETED ITEM	
161	REF			DELETE		DELETED ITEM	
162	37		96906	MS25036-115	MIL-T-7928	TERMINAL, LUG	
163	39		96906	MS25036-116	MIL-T-7928	TERMINAL, LUG	
164	REF			DELETE		DELETED ITEM	
165	2		96906	MS25036-118	MIL-T-7928	TERMINAL, LUG	
166	6		96906	MS25036-119	MIL-T-7928	TERMINAL, LUG	
167	20		96906	MS25036-120	MIL-T-7928	TERMINAL, LUG	
168	REF			DELETE		DELETED ITEM	

**Table 5-14. Message Processing Shelter, Power Redundant Cable  
Run List Associated Parts List - Continued**

PARTS LIST		WRL-PWRIPMEPRSA		PLSMB817030		PL REV -W	
ASSEMBLY PART NUMBER SMB817030							SHEET 9
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
169	1		96906	MS25036-122	MIL-T-7928	TERMINAL, LUG	
170	53		96906	MS25036-123	MIL-T-7928	TERMINAL, LUG	
171	REF			DELETE		DELETED ITEM	
172	20		96906	MS25036-125	MIL-T-7928	TERMINAL, LUG	
173	8		96906	MS25036-126	MIL-T-7928	TERMINAL, LUG	
174	REF			DELETE		DELETED ITEM	
175	REF			DELETE		DELETED ITEM	
176	8		96906	MS25036-129	MIL-T-7928	TERMINAL, LUG	
177	REF			DELETE		DELETED ITEM	
178	REF			DELETE		DELETED ITEM	
179	REF			DELETE		DELETED ITEM	
180	15		96906	MS25036-136	MIL-T-7928	TERMINAL, LUG	
181	5		96906	MS25036-137	MIL-T-7928	TERMINAL, LUG	
182	REF			DELETE		DELETED ITEM	
183	23		96906	MS25036-145	MIL-T-7928	TERMINAL, LUG	
184	2		96906	MS25036-146	MIL-T-7928	TERMINAL, LUG	
185	REF			DELETE		DELETED ITEM	
186	26		96906	MS25036-149	MIL-T-7928	TERMINAL, LUG	
187	6		96906	MS25036-150	MIL-T-7928	TERMINAL, LUG	
188	REF			DELETE		DELETED ITEM	
189	4		96906	MS25036-152	MIL-T-7928	TERMINAL, LUG	
190	80		96906	MS25036-153	MIL-T-7928	TERMINAL, LUG	
191	15		96906	MS25036-154	MIL-T-7928	TERMINAL, LUG	
192	REF			DELETE		DELETED ITEM	



**Table 5-14. Message Processing Shelter, Power Redundant Cable  
Run List Associated Parts List - Continued**

PARTS LIST		WRL-PWRIPMEPRSA		PLSMB817030		PL REV -W	
ASSEMBLY PART NUMBER SMB817030							SHEET 11
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
217	REF			DELETE		DELETED ITEM	
218	REF		96906	MS90559-5	MIL-C-39029/48	CONTACT, ELEC	
219	REF		96906	MS90559-6	MIL-C-39029/48	CONTACT, ELEC	
220	REF			DELETE		DELETED ITEM	
221	REF			DELETE		DELETED ITEM	
222	REF		96906	MS90559-14	MIL-C-39029/48	CONTACT, ELEC	
223	REF			DELETE		DELETED ITEM	
224	REF			DELETE		DELETED ITEM	
225	AR		81348	SN60WRMAP2-063D	QQ-S-571	SOLDER, TIN ALLY	
226	REF			DELETE		DELETED ITEM	
227	REF			DELETE		DELETED ITEM	
228	15	LF	81349	M5086-2-1-0	MIL-W-5086/2	WIRE, ELECTRICAL	7
229	15	LF	81349	M5086-2-1-2	MIL-W-5086/2	WIRE, ELECTRICAL	7
230	25	LF	81349	M5086-2-1-6	MIL-W-5086/2	WIRE, ELECTRICAL	7
231	10	LF	81349	M5086-2-2-0	MIL-W-5086/2	WIRE, ELECTRICAL	7
232	10	LF	81349	M5086-2-2-2	MIL-W-5086/2	WIRE, ELECTRICAL	7
233	10	LF	81349	M5086-2-2-6	MIL-W-5086/2	WIRE, ELECTRICAL	7
234	80	LF	81349	M5086-2-4-0	MIL-W-5086/2	WIRE, ELECTRICAL	7
235	16	LF	81349	M5086-2-6-5	MIL-W-5086/2	WIRE, ELECTRICAL	7
236	40	LF	81349	M5086-2-4-2	MIL-W-5086/2	WIRE, ELECTRICAL	7
237	16	LF	81349	M5086-2-4-6	MIL-W-5086/2	WIRE, ELECTRICAL	7
238	30	LF	81349	M5086-2-4-5	MIL-W-5086/2	WIRE, ELECTRICAL	7
239	64	LF	81349	M5086-2-6-0	MIL-W-5086/2	WIRE, ELECTRICAL	7
240	REF			DELETE		DELETED ITEM	

**Table 5-14. Message Processing Shelter, Power Redundant Cable  
Run List Associated Parts List - Continued**

PARTS LIST		WRL-PWRIPMEPRSA		PLSMB817030		PL REV -W	
ASSEMBLY PART NUMBER SMB817030							SHEET 12
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
241	52	LF	81349	M5086-2-6-2	MIL-W-5086/2	WIRE, ELECTRICAL	7
242	10	LF	81349	M5086-2-6-6	MIL-W-5086/2	WIRE, ELECTRICAL	7
243	REF			DELETE		DELETED ITEM	
244	48	LF	81349	M5086-2-8-0	MIL-W-5086/2	WIRE, ELECTRICAL	7
245	REF			DELETE		DELETED ITEM	
246	29	LF	81349	M5086-2-8-2	MIL-W-5086/2	WIRE, ELECTRICAL	7
247	65	LF	81349	M5086-2-8-5	MIL-W-5086/2	WIRE, ELECTRICAL	7
248	24	LF	81349	M5086-2-8-6	MIL-W-5086/2	WIRE, ELECTRICAL	7
249	122	LF	81349	M5086-2-10-0	MIL-W-5086/2	WIRE, ELECTRICAL	7
250	REF			DELETE		DELETED ITEM	
251	102	LF	81349	M5086-2-10-2	MIL-W-5086/2	WIRE, ELECTRICAL	7
252	REF			DELETE		DELETED ITEM	
253	REF			DELETE		DELETED ITEM	
254	20	LF	81349	M5086-2-10-5	MIL-W-5086/2	WIRE, ELECTRICAL	7
255	REF			DELETE		DELETED ITEM	
256	REF			DELETE		DELETED ITEM	
257	117	LF	81349	M5086-2-12-0	MIL-W-5086/2	WIRE, ELECTRICAL	7
258	REF			DELETE		DELETED ITEM	
259	303	LF	81349	M5086-2-12-2	MIL-W-5086/2	WIRE, ELECTRICAL	7
260	16	LF	81349	M5086-2-12-9	MIL-W-5086/2	WIRE, ELECTRICAL	7
261		AR	81349	TYPEPCL2BLKWAX	MIL-T-713	TWINE, LACING	
262	40	LF	81349	M5086-2-12-5	MIL-W-5086/2	WIRE, ELECTRICAL	7
263	70	LF	81349	M5086-2-12-8	MIL-W-5086/2	WIRE, ELECTRICAL	7
264	REF			DELETE		DELETED ITEM	

Table 5-14. Message Processing Shelter, Power Redundant Cable Run List Associated Parts List - Continued

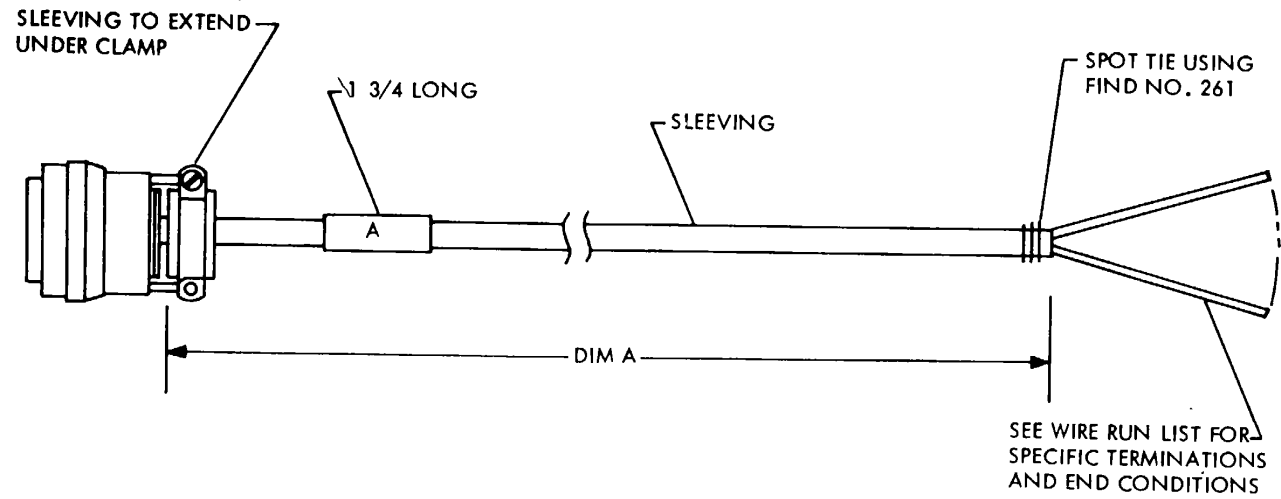
PARTS LIST WRL-PWRIPMEPRSA PLSMB817030 PL REV -AA

ASSEMBLY PART NUMBER SMB817030

SHEET 13

FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
265	REF			DELETE		DELETED ITEM	
266	REF			DELETE		DELETED ITEM	
267	REF			DELETE		DELETED ITEM	
268	3		96906	MS3420-6A		BUSHING, CABLE	
269	1		96906	MS3420-8A		BUSHING, CABLE	
270	4		96906	MS3420-10A		BUSHING, CABLE	
271	17		96906	MS3420-12A		BUSHING, CABLE	
272	REF			DELETE		DELETED ITEM	
273	3	LF	81349	M5086-2-02-5	MIL-W-5086/2	WIRE, ELECTRICAL	7
274	1		96906	MS25036-110	MIL-T-7928	TERMINAL, LUG	
* 275	1		80063	SMA838515-7		SLEEVE, SOLDER	
276	100		96906	MS3367-1-9	MIL-S-23190	STRAP, TIEDOWN	
277	59		96906	MS3367-2-9	MIL-S-23190	STRAP, TIEDOWN	
278	111		96906	MS3367-5-9	MIL-S-23190	STRAP, TIEDOWN	
279	7		96906	MS25036-143	MIL-T-7928	TERMINAL, LUG	
280	2	IN	81349	CL1-.375IDWHT	MIL-I-23053/5	INSULATION SLVG	5
281	4		96906	MS3193-16-16A	MIL-C-39029/32	CONTACT, SOCKET	
282	1		96906	MS3126F12-3S	MIL-C-26482	CONN, PLUG, ELEC	
283	14	LF	81349	TPIIICL2AWG1BLK	MIL-I-7444	INSULATION SLVG	7
284	10		96906	MS17143-14	MIL-T-7928	TERMINAL, LUG	
285	4	IN	81349	CL1-.375IDBLU	MIL-I-23053/5	INSULATION SLVG	5

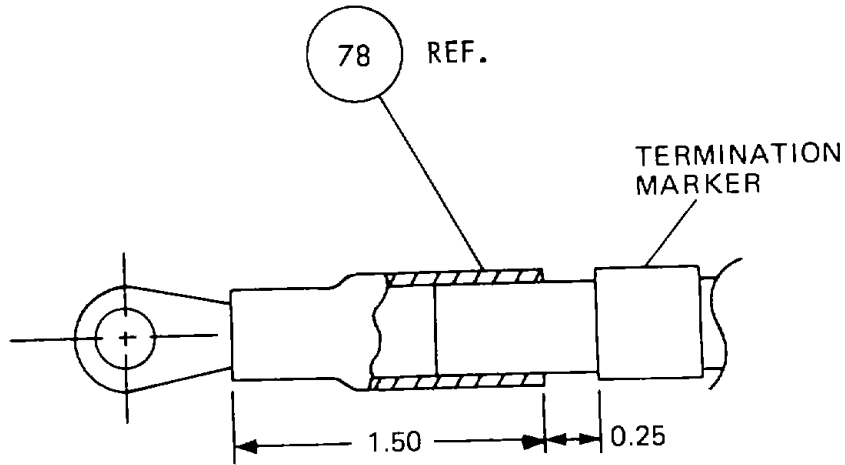
\* VENDOR ITEM-FOR PROCUREMENT OR PART NUMBER SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING



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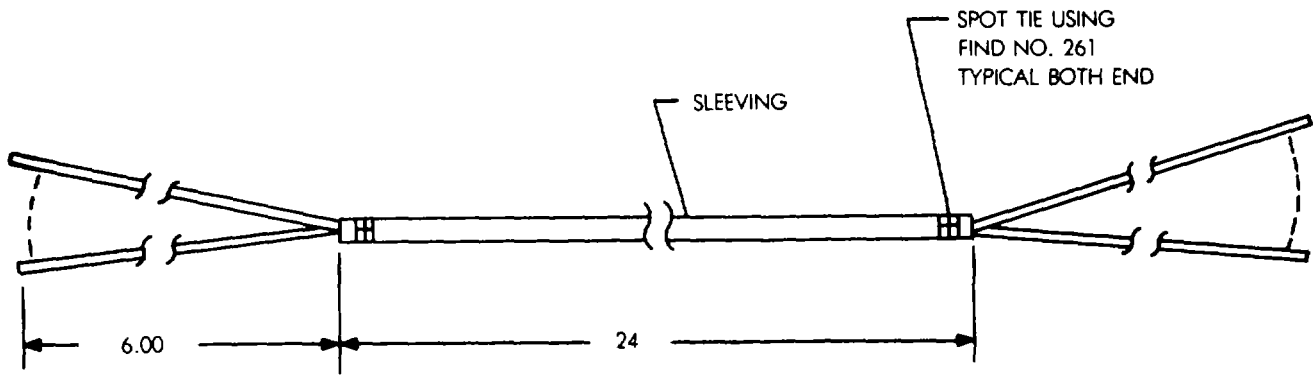
Figure 5-21. Wires Enclosed in Insulation Sleeving.





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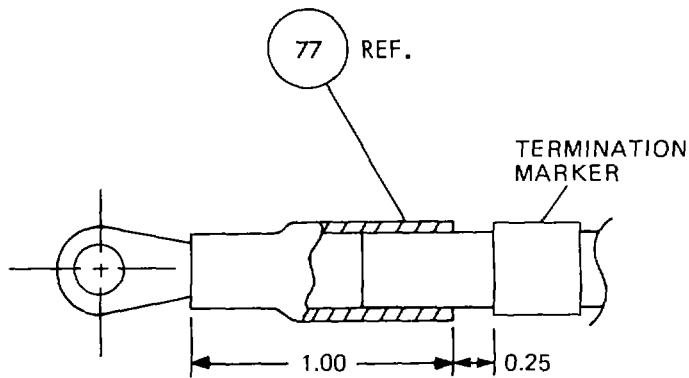
■ Figure 5-22. Strain Relief Sleeving.



FROM LOCATION END  
SEE WIRE RUN LIST  
FOR SPECIFIC TERMINATIONS

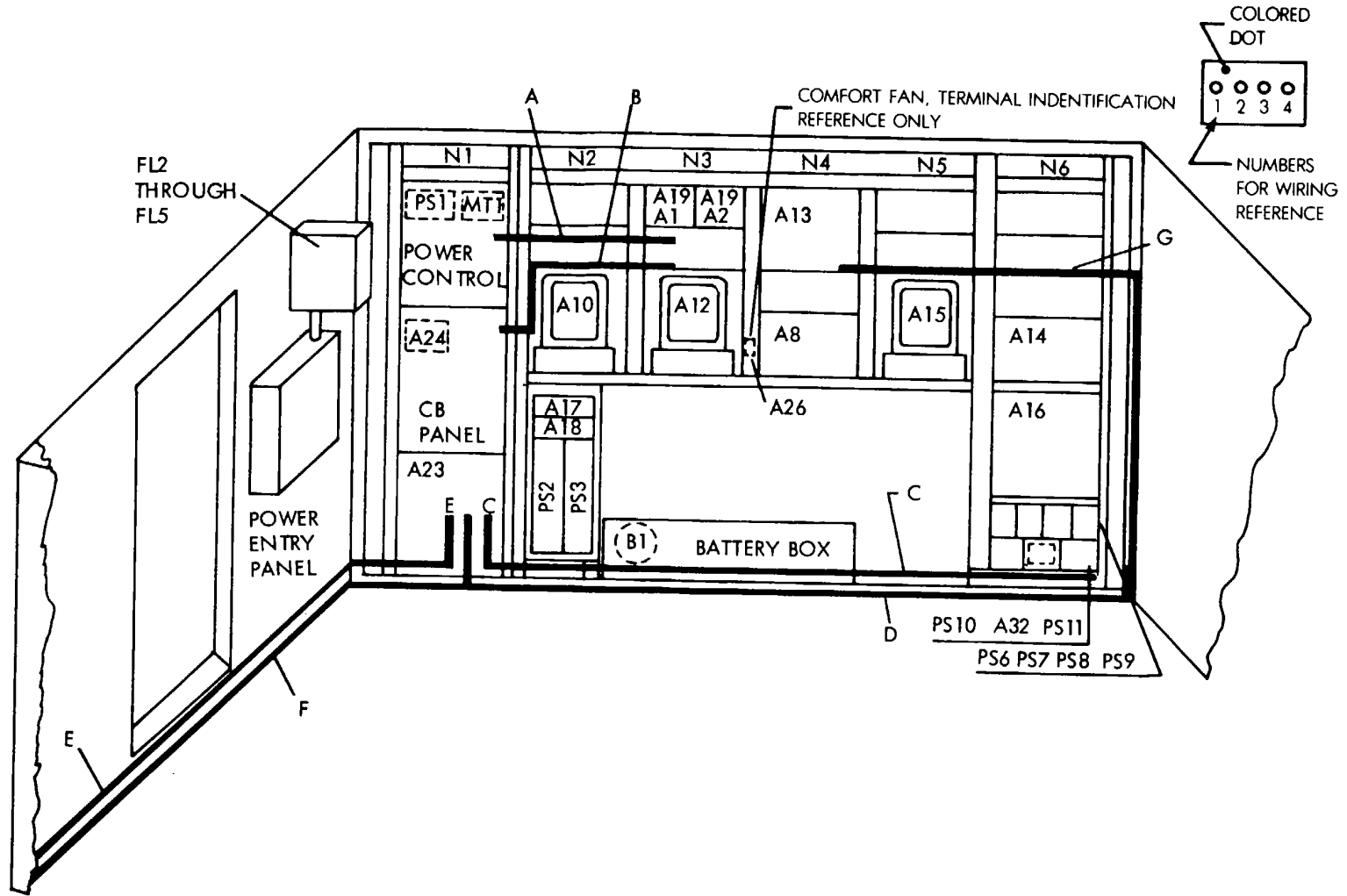
EL8EW015

■ Figure 5-23. Shield Termination.



EL40Y055

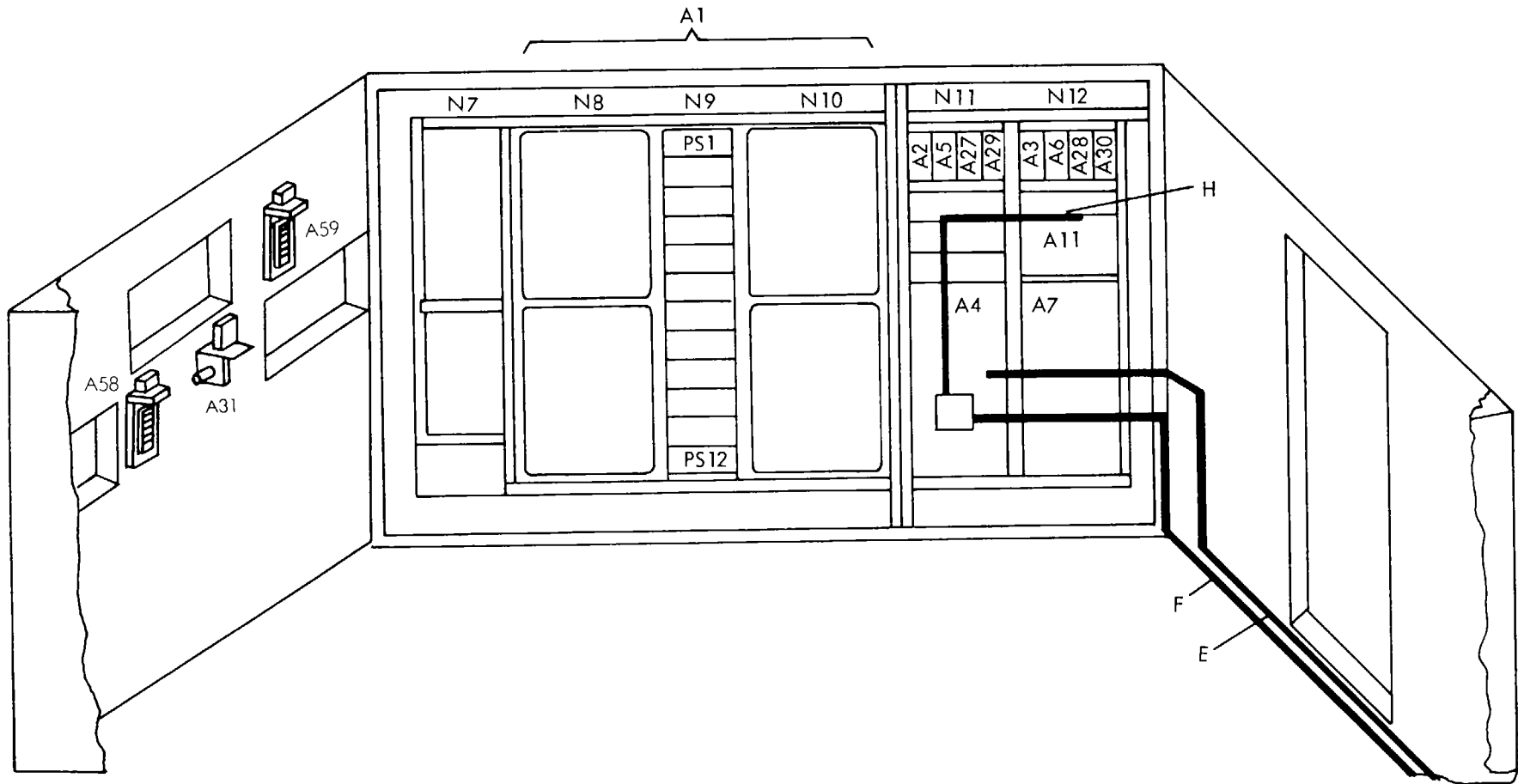
■ Figure 5-24. Strain Relief Sleeving.



EL40Y056

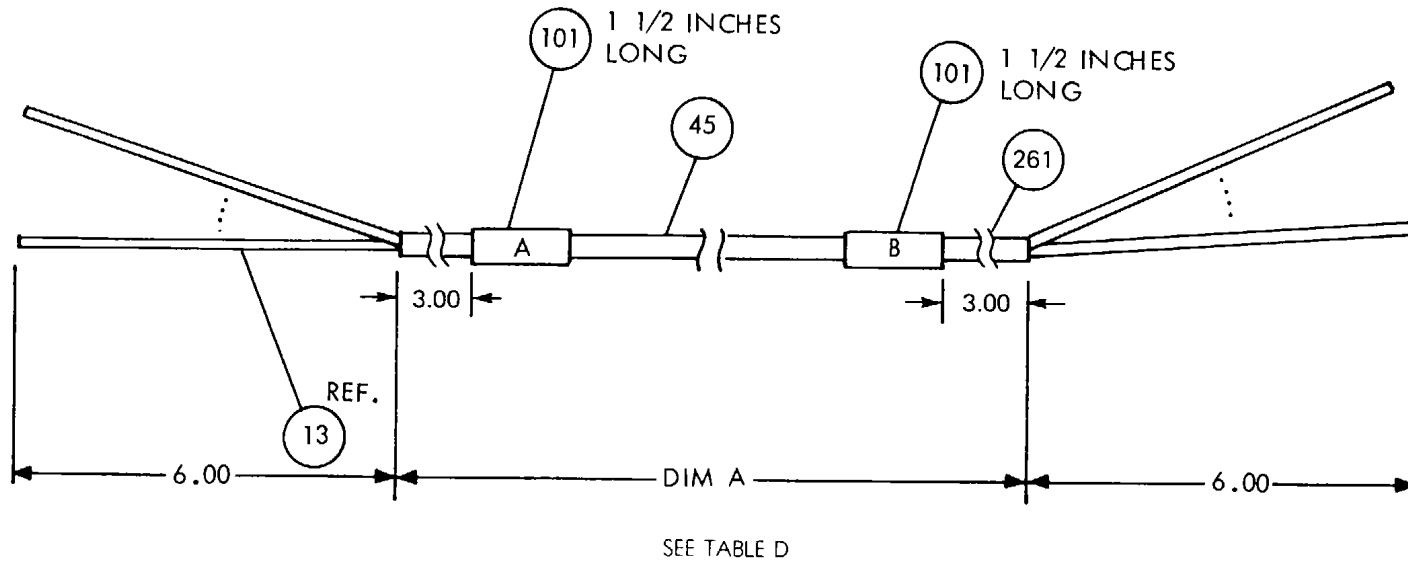
Figure 5-25. Roadside Elevation.

Change 2 5-1968



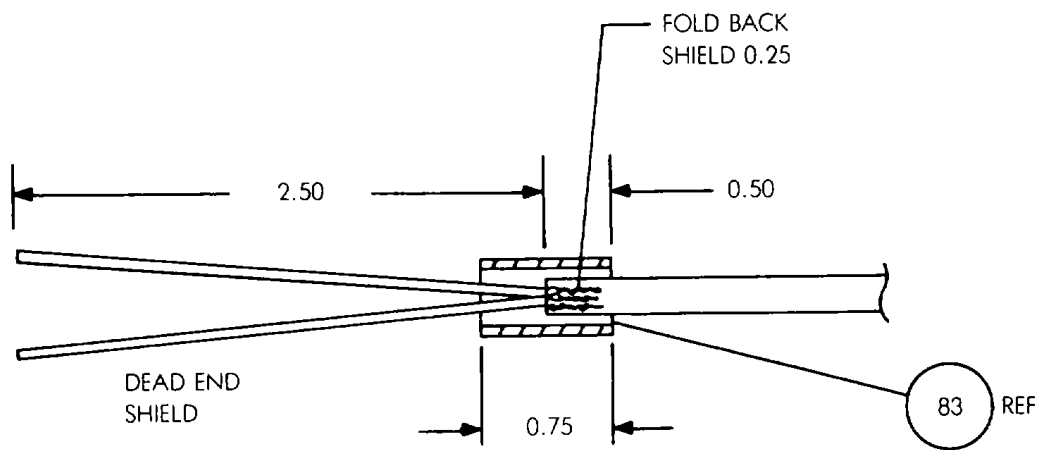
EL4OY057

■ Figure 5-26. Curbside Elevation.



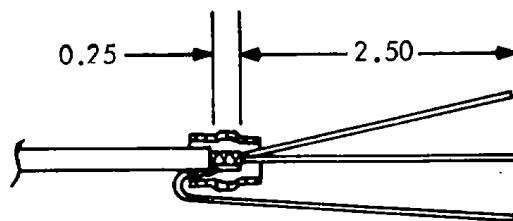
EL40Y058

■ Figure 5-27. Wires Enclosed in Insulation Sleeving.



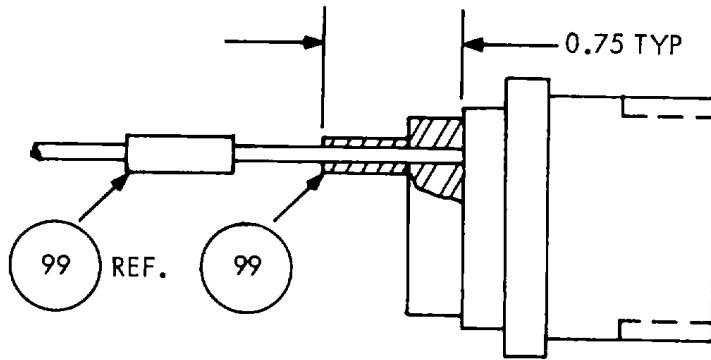
EL8EW016

Figure 5-28. Shield Termination.



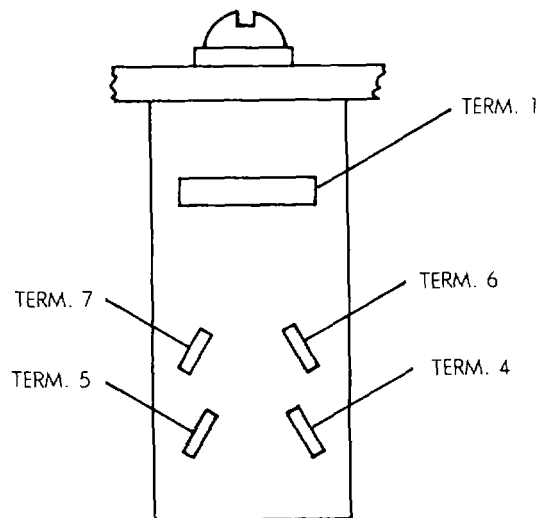
EL4OY060

Figure 5-29. Shield Termination.



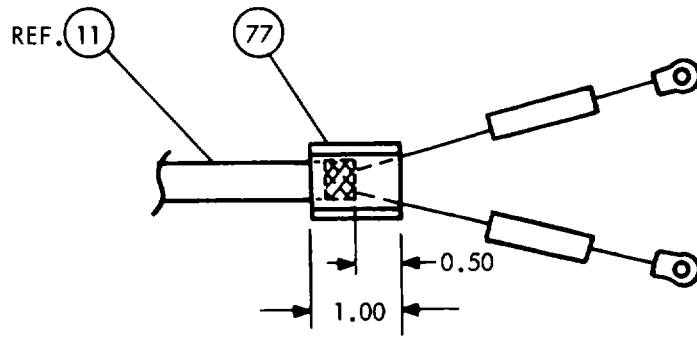
EL4OY061

Figure 5-30. J3 and J4 Power Entry Panel.



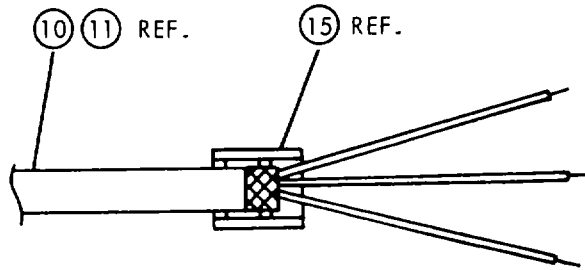
EL4OY062

Figure 5-31. CB11, CB12 and CB13 Terminal Orientation and Identification.



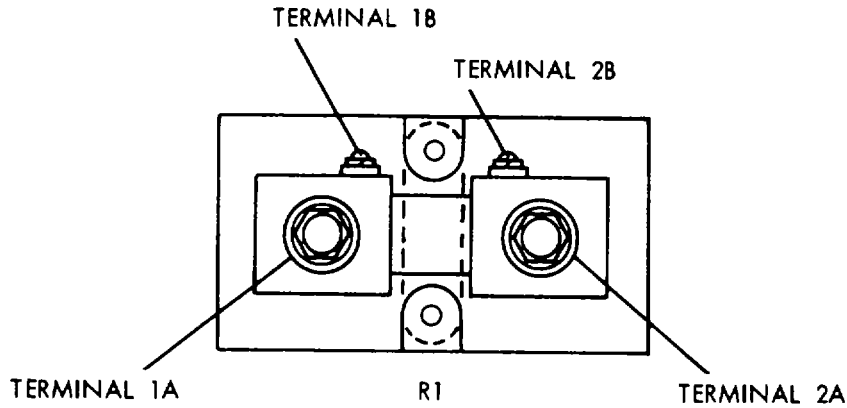
EL4OY064

Figure 5-32. Dead Ending Shields



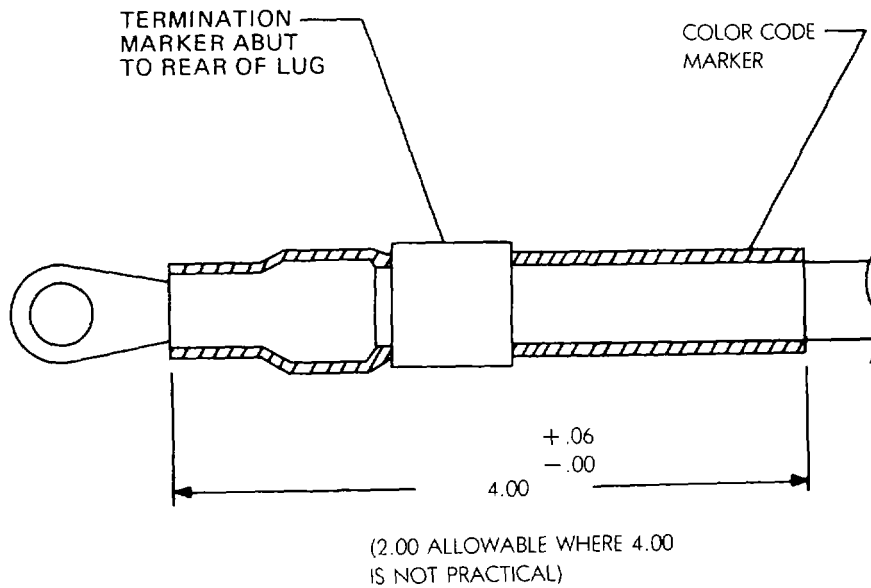
EL4OY065

Figure 5-33. Shield Termination



EL40Y066

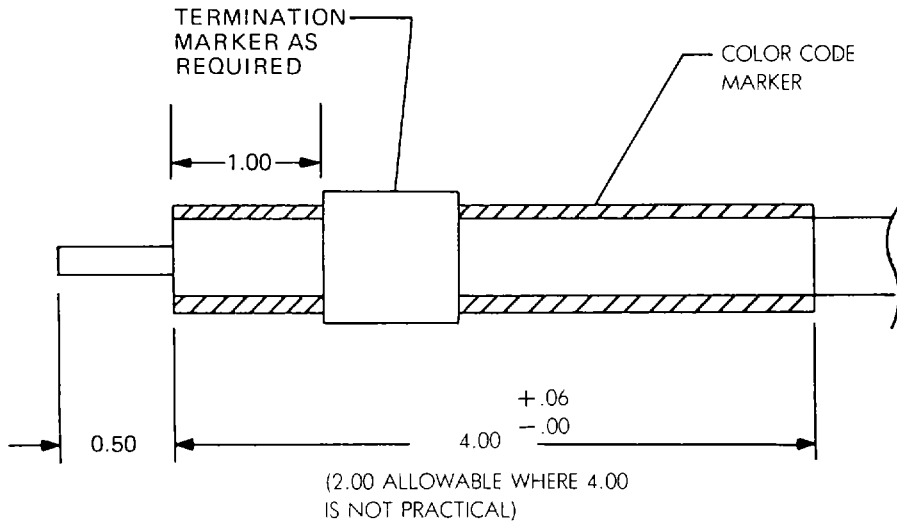
Figure 5-34. Termination Location.



EL8EW017

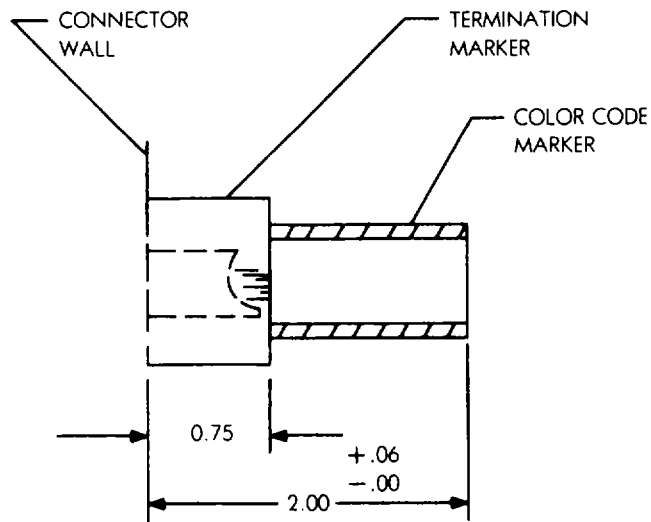
■ Figure 5-35. Band Marker Location.





EL8EW018

■ Figure 5-36. Band Marker Location.



EL8EW019

Figure 5-37. Band Marker Location.

**Table 5-15. Power Pan AC/DC (CIS/MPS) Redundant Cable Run List**

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**NOTES:**

1. Workmanship per MIL-STD-454, Requirement 9, shall be complied with.
  2. Solder per MIL-STD-454, Requirement 5, shall be complied with.
  3. Partial reference designations are shown. For complete designations, prefix with unit number or assembly or subassembly designations as applicable.
  4. All wiring to be point to point.
  5. Termination marking required. Marking to be the same as indicated in the applicable Location column unless otherwise specified.
  6. See figure 5-38.
  7. A = Anode, C = Cathode.
  8. Discard solder lugs supplied with meter.
  9. Quantity in inches. Cut to 3/4-inch lengths.
  10. Wire to, be soldered at next higher assembly.
  11. Cut to 1/2-inch lengths.
  12. Two wire ends common at this point. Terminate when second lead is called out.
  13. Quantity in feet.
  14. Insulate full length using Find No. 21.
  15. Unless otherwise specified, all marking shall be in accordance with MIL-M-81531, hot-stamped black characters, centrally located.
  16. Preassembled self-lead.
  17. Color coding shall be solid color; alternate may be white wire with colored band marker in accordance with MIL-STD-681B, and figure 5-39.
  18. Spot tie using Find No. 41 as required.
-

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030		PAGE 0111		GP FUNCTION
	WI FND KCD	CLR 1 2 K SQ	KY	NOTES 3 4 5	LOCATION MARKING	FROM			ROUTE LENGTH 3 4 5	KY NOTES 1 2 NOTES	LOCATION MARKING	TO			
						S	FIND					S	FIND	SLV	
	H	LUG	SLV	H	LUG	SLV	S	STP	FND	H	LUG	SLV	SC	FUNCTION	
006 05 1 006 05 2	26	RED		5	CB1-2		12	5		5	S1-35		11	5	PHASE B PHASE B
007 01 1 007 01 2	23	RED		5	CB15-1		13	5		5	CB15-6		13	5	+28V +28V
007 13 1 007 13 2	26	RED		12	CB15-10						CB16-5				28VBF 28VBF
008 01 1 008 01 2	31	RED		12	CB15-10						S12-7			9	28VBF 28VBF
007 03 1 007 03 2	26	RED		5	CB15-2		13	5			E25-11				
007 05 1 007 05 2	23	RED		5	CB15-5		13	5		5	CB15-6		13	5	+28V +28V
007 01 1 007 01 2	23	RED		5	CB15-6		13	5		5	CB15-1		13	5	+28V +28V
007 05 1 007 05 2	23	RED		5	CB15-6		13	5		5	CB15-5		13	5	+28V +28V
007 07 1 007 07 2	2	WHT		5	CB15-7		13	5		5	S36-5		11	5	

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817030			PAGE 0111							
	WI FND KCD	CLR 1 2 K SQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH 3 4 5	KY NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION FUNCTION		
				3	4	5		S	FIND	1		2	S		FIND	S	FIND			SLV	
	H	LUG	SLV	S	STP	FND	H	LUG	SLV	S	STP	FND	H	LUG	SLV	FND	FER				
007 09 1 007 09 2	26	RED		12		CB15-9								CB16-4						28VI 28VI	
007 11 1 007 11 2	26	RED		12		CB15-9						7		E25-CR4-A						28VI 28VI	
006 09 1 006 09 2	26	RED		5		CB16-1		13	5			5	6	CB9-1		12	5			+28V +28V	
008 02 1 008 02 2	26	RED		5		CB16-2		13	5			5		S34-2		11	5			EM LT EM LT	
007 09 1 007 09 2	26	RED				CB16-4		12						CB15-9						28VI 28VI	
007 13 1 007 13 2	26	RED				CB16-5		12						CB15-10						28VBF 28VBF	
006 11 1 006 11 2	26	RED		5		CB16-5		13	5			5	6	CB9-2		12	5			28VBF	
005 01 1 005 01 2	22	BLK		5		CB3-1		38	40			5	6	CB6-1		39	40			PHASE PHASE	A A
005 13 1 005 13 2	26	RED				CB3-11						7		E25-CR7-A						+24VDC +24VDC	

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0003						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2	3		S	FIND	S			1	2		S	FIND	S		
	3	4	5	H	LUG	SLV	3	4	5	H	LUG	SLV	H	LUG	SLV	H	LUG	SLV		
009 009	01 01	1 2	26	RED	5		CB3-11		13 0.00	5		0.0	5		S36-1		11	5 0.00		
006 006	01 01	1 2	32	RED			CB3-11					0.0	5		XK1-A2			7 0.00		+24VDC +24VDC
005 005	03 03	1 2	37	RED	5		CB3-3		38 0.00	40		0.0	5 6		CB7-1		39	40 0.00		PHASE B PHASE B
005 005	05 05	1 2	24	BLU	5		CB3-5		38 0.00	40		0.0	5 6		CB8-1		39	40 0.00		PHASE C PHASE C
008 008	11 11	1 2	26	RED	5		CB3-7		13 0.00	5		0.0	7		E25CR10-C			0.00		
008 008	13 13	1 2	26	RED	5		CB3-7		13 0.00	5		0.0	5		S36-2		11	5 0.00		
005 005	12 12	1 2	25	BLK	5		CB3-8		13 0.00	5		0.0	5		E51-E1			5 0.00		DCRTN DCRTN
005 005	11 11	1 2	30	BLK	5		CB3-8		16 0.00	19		0.0	12		S5-C			10 0.00		DCRTN DCRTN
005 005	01 01	1 2	22	BLK	5 6		CB6-1		39 0.00	40		0.0	5		CB3-1		38	40 0.00		PHASE A PHASE A

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0004		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	GP	FUNCTION			
FND	KCD	KSQ	1	2	MARKING	S	FIND	1	2	MARKING	S	FIND	GP	FUNCTION				
			3	4	5	H	LUG	3	4	5	H	LUG	SC	FUNCTION				
			NOTES	NOTES		S	STP	NOTES	NOTES		S	STP						
			3	4	5	H	FER	3	4	5	H	FER						
006	03	1	25	BLK	5	6	CB6-2	12	5	0.0	5	S1-34	11	5	PHASE A			
006	03	2						0.00					0.00		PHASE A			
005	03	1	37	RED	5	6	CB7-1	39	40	0.0	5	CB3-3	38	40	PHASE B			
005	03	2						0.00					0.00		PHASE B			
005	05	1	24	BLU	5	6	CB8-1	39	40	0.0	5	CB3-5	38	40	PHASE C			
005	05	2						0.00					0.00		PHASE C			
006	07	1	27	BLU	5	6	CB8-2	12	5	0.0	5	S1-36	11	5	PHASE C			
006	07	2						0.00					0.00		PHASE C			
006	09	1	26	RED	5	6	CB9-1	12	5	0.0	5	CB16-1	13	5	+28V			
006	09	2						0.00					0.00		+28V			
006	11	1	26	RED	5	6	CB9-2	12	5	0.0	5	CB16-5	13	5	28VBF			
006	11	2	12					0.00					0.00					
006	13	1	26	RED	5	6	CB9-2	12	5	0.0	5	M7-POS	14	5	28VBF			
006	13	2	12					0.00					0.00					
008	04	1	25	BLK	5		DS16-NEG	11	5			M6-NEG			DCRTN			
008	04	2						0.00					0.00		DCRTN			
008	06	1	30	BLK	5		DS16-NEG	15	19	0.0	12	S4-C		10	DCRTN			
008	06	2						0.00					0.00		DCRTN			

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0005								
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO .			GP	FUNCTION	
						1	2			S	FIND				1	2			S	FIND				S
			FND	KSQ		3	4	5	MARKING	S	LUG	SLV	LENGTH		3	4	5	MARKING	S	STP	FND			
			KCD							H		FER							H		FER			
008	08	1		RED		5			DS16-POS		15	19			12			S4-15						10
008	08	2									0.00		0.0											0.00
008	10	1		RED		5			DS16-POS		15	19						S6-5						9
008	10	2									0.00		0.0											0.00
010	09	1		RED					E25-10									S9-6						9
010	09	2									0.00		0.0											RC ON
007	03	1		RED					E25-11						5			CB15-2						5
007	03	2									0.00		0.0											0.00
010	11	1		RED					E25-12									S5-2						
010	11	2									0.00		0.0											0.00
010	13	1		RED					E25-13									S13-6						9
010	13	2									0.00		0.0											0.00
010	01	1		RED					E25-3									M6-POS						
010	01	2									0.00		0.0											0.00
010	03	1		RED					E25-5									S4-14						9
010	03	2									0.00		0.0											0.00
010	05	1		RED					E25-7						12			S4-15						
010	05	2									0.00		0.0											0.00

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0006		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	GP	FUNCTION			
FND	KCD	KSQ	1	2	MARKING	S	FIND	1	2	MARKING	S	FIND	GP	FUNCTION				
			3	4	5	H	LUG	3	4	5	H	LUG	SLV	SC	FUNCTION			
			NOTES	MARKING		S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	FER			
						H		FER				H		FER				
007	11	1	26	RED	7	E25-CR4-A				12	CB15-9				28VI			
007	11	2							0.00						28VI			
009	06	1	32	RED	5	E25-CR4-C		6		5	E25-CR7-C			6	28VRD			
009	06	2				CR4-C			0.00		CR7-C							
009	08	1	31	RED	5	E25-CR4-C		19		12	S4-5			10	28VRD			
009	08	2							0.00						28VRD			
005	13	1	26	RED	7	E25-CR7-A					CB3-11				+24VDC			
005	13	2							0.00						+24VDC			
009	06	1	32	RED	5	E25-CR7-C		6		5	E25-CR4-C			6	28VRD			
009	06	2				CR7-C			0.00		CR4-C							
009	10	1	31	RED	5	E25-CR7-C		19		12	S13-7			10	28VRD			
009	10	2							0.00						28VRD			
005	08	1	26	RED	7	E25CR10-A				5	E51-E2			7	TRIP			
005	08	2							0.00						TRIP			
005	07	1	31	RED	7	E25CR10-A				5	S5-6			9				
005	07	2							0.00									
008	11	1	26	RED	7	E25CR10-C				5	CB3-7		13	5				
008	11	2							0.00				0.00					



Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0007		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	GP	FUNCTION			
FND	KCD	KSQ	1	2	MARKING	S	FIND	1	2	MARKING	S	FIND	GP	FUNCTION				
			3	4	5	H	LUG	3	4	5	H	LUG	SC	FUNCTION				
			NOTES	NOTES		S	SLV	NOTES	NOTES		S	SLV						
						H	FND				H	FND						
						H	FER				H	FER						
005	12	1																
005	12	2	25	BLK	5	E51-E1		5			5	CB3-8	13	5	DCRTN			
							0.00		0.0				0.00		DCRTN			
005	08	1	26	RED	5	E51-E2		7			7	E25CR10-A			TRIP			
005	08	2					0.00		0.0				0.00		TRIP			
005	09	1	26	RED	5	E51-E3		11	5		5	XK1-A3		7				
005	09	2					0.00		0.0				0.00					
011	06	1	28	GRA	5	8	M1-1		14	5		S1-11		11	5			
011	06	2					0.00		0.0				0.00					
011	04	1	28	GRA	5	8	M1-2		14	5		S1-21		11	5			
011	04	2					0.00		0.0				0.00					
011	10	1	29	GRA	5	8	M2-1		14	5		M3-1						
011	10	2					0.00		0.0				0.00					
011	08	1	2	WHT	5	8	M2-2		14	5		M3-2			NEUTRAL			
011	08	2					0.00		0.0				0.00		NEUTRAL			
011	10	1	29	GRA			M3-1			5	8	M2-1		14	5			
011	10	2					0.00		0.0				0.00					
011	14	1	29	GRA			M3-1					M4-1						
011	14	2					0.00		0.0				0.00					

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0008							
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO			GP	FUNCTION
						1	2			S	FIND				1	2			S	FIND			
			FND							H	LUG	SLV						H	LUG	SLV			
			KCD	KSQ		3	4	5	MARKING	S	STP	FND	LENGTH		3	4	5		S	STP	FND	SC	FUNCTION
										H		FER						H		FER			
011	08	1		2	WHT				M3-2						5	8							NEUTRAL
011	08	2										0.00	0.0										NEUTRAL
011	12	1		2	WHT				M3-2														NEUTRAL
011	12	2										0.00	0.0										NEUTRAL
011	14	1		29	GRA				M4-1														
011	14	2										0.00	0.0										
012	03	1		29	GRA				M4-1					5									
012	03	2										0.00	0.0										
011	12	1		2	WHT				M4-2														NEUTRAL
011	12	2										0.00	0.0										NEUTRAL
012	01	1		3	WHT				M4-2														NEUTRAL
012	01	2										0.00	0.0										NEUTRAL
008	04	1		25	BLK				M6-NEG					5									DCRTN
008	04	2										0.00	0.0										DCRTN
012	05	1		25	BLK				M6-NEG					5									DCRTN
012	05	2										0.00	0.0										DCRTN
010	01	1		35	RED				M6-POS														
010	01	2										0.00	0.0										

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0009							
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO			GP	FUNCTION
						1	2			S	FIND	SLV			1	2			S	FIND	SLV		
			FND	KSQ		3	4	5	MARKING	S	STP	FND	LENGTH		3	4	5	MARKING	S	STP	FND	SC	FUNCTION
			KCD							H	LUG	FER						H	LUG	FER			
012	05	1		BLK		5			M7-NEG		14	5						M6-NEG					DCRTN
012	05	2									0.00		0.0										DCRTN
006	13	1		RED		5	8		M7-POS		14	5		5	6			CB9-2		12	5		28VBF
006	13	2									0.00		0.0	12							0.00		
012	07	1		WHT		5	8		M8-NEG		14	5		5				S18-11		11	5		
012	07	2									0.00		0.0								0.00		
012	09	1		WHT		5	8		M8-POS		14	5		5				S18-21		11	5		
012	09	2									0.00		0.0								0.00		
011	01	1		BLK		16			MT1-E1									TB40-1					
011	01	2									0.00		0.0								0.00		
011	02	1		RED		16			MT1-E2									TB40-2					
011	02	2									0.00		0.0								0.00		
011	03	1		WHT		16			MT1-E4									TB40-3					
011	03	2									0.00		0.0								0.00		
011	06	1	28	GRA		5			S1-11		11	5		5	8			M1-1		14	5		
011	06	2									0.00		0.0								0.00		
011	04	1	28	GRA		5			S1-21		11	5		5	8			M1-2		14	5		
011	04	2									0.00		0.0								0.00		

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0010							
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO			GP	FUNCTION
						1	2			S	FIND				1	2			S	FIND			
			FND	KSQ		3	4	5	MARKING	H	LUG	SLV	LENGTH		3	4	5	MARKING	H	LUG	SLV	SC	FUNCTION
			KCD							S	STP	FND							S	STP	FND		
										H		FER							H		FER		
012	03	1	29	GRA		5			S1-31		11	5						M4-1					
012	03	2									0.00		0.0								0.00		
006	03	1	25	BLK		5			S1-34		11	5		5	6			CB6-2			12	5	PHASE A
006	03	2									0.00		0.0								0.00		PHASE A
013	03	1	34	BLK		5			S1-34		15	6						XK1-D3				8	PHASE A
013	03	2									0.00		0.0								0.00		PHASE A
006	05	1	26	RED		5			S1-35		11	5		5				CB1-2			12	5	PHASE B
006	05	2									0.00		0.0								0.00		PHASE B
013	05	1	35	RED		5			S1-35		15	6						XK1-D2				8	PHASE B
013	05	2									0.00		0.0								0.00		PHASE B
006	07	1	27	BLU		5			S1-36		11	5		5	6			CB8-2			12	5	PHASE C
006	07	2									0.00		0.0								0.00		PHASE C
013	07	1	33	BLU		5			S1-36		15	6						XK1-D1				8	PHASE C
013	07	2									0.00		0.0								0.00		PHASE C
018	05	1	20			14			S10-1					14				S10-4					
018	05	2									0.00		0.0								0.00		
018	07	1	20			14			S10-1					14				S10-5					
018	07	2									0.00		0.0								0.00		

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0011			
			WI	CLR	KY	NOTES	LOCATION	FROM			ROUTE	KY	NOTES	LOCATION	TO .			GP	FUNCTION
			FND	KSQ		1	2		S	FIND		1	2		S	FIND		GP	FUNCTION
			KCD		NOTES	MARKING		H	LUG	SLV	LENGTH	NOTES	MARKING		H	LUG	SLV	SC	FUNCTION
					3	4	5	S	STP	FND		3	4	5	H		FER		
018	09	1	20		14		S10-2					14		S10-3					
018	09	2							0.00		0.0						0.00		
018	09	1	20		14		S10-3					14		S10-2					
018	09	2							0.00		0.0						0.00		
018	11	1	20		14		S10-3					14		S10-4					
018	11	2							0.00		0.0						0.00		
018	05	1	20		14		S10-4					14		S10-1					
018	05	2							0.00		0.0						0.00		
018	11	1	20		14		S10-4					14		S10-3					
018	11	2							0.00		0.0						0.00		
018	07	1	20		14		S10-5					14		S10-1					
018	07	2							0.00		0.0						0.00		
018	13	1	31	RED	12		S10-7					12		S11-7			10		28VRD
018	13	2							0.00		0.0						0.00		28VRD
014	09	1	31	RED	12		S10-7			10		12		S2-7					28VRD
014	09	2							0.00		0.0						0.00		28VRD
018	03	1	30	BLK	12		S10-C					12		S11-C			10		DCRTN
018	03	2							0.00		0.0						0.00		DCRTN



Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0013		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	GP	FUNCTION			
FND	KCD	KSQ	1	2	MARKING	S	FIND	SLV	1	2	MARKING	S	FIND	SLV	GP	FUNCTION		
			3	4	5	H	LUG	FND	3	4	5	H	LUG	FND	SC	FUNCTION		
						S	STP	FER				H	STP	FER				
018	13	1	31	RED	12	S11-7		10			12	S10-7				28VRD		
018	13	2					0.00		0.0				0.00			28VRD		
019	11	1	31	RED	12	S11-7					12	S13-7				28VRD		
019	11	2					0.00		0.0				0.00			28VRD		
018	03	1	30	BLK	12	S11-C		10			12	S10-C				DCRTN		
018	03	2					0.00		0.0				0.00			DCRTN		
019	01	1	30	BLK	12	S11-C					12	S13-C		10		DCRTN		
019	01	2					0.00		0.0				0.00			DCRTN		
020	01	1	20		14	S12-1					14	S12-4						
020	01	2					0.00		0.0				0.00					
020	03	1	20		14	S12-1					12	S12-5		10				
020	03	2					0.00		0.0				0.00					
019	13	1	30	BLK	12	S12-14		10			12	S12-C				DCRTN		
019	13	2					0.00		0.0				0.00			DCRTN		
020	09	1	30	BLK	12	S12-14					12	S13-C				DCRTN		
020	09	2					0.00		0.0				0.00			DCRTN		
020	10	1	18	WHT		S12-15					5	TB40-3		15	19			
020	10	2					0.00		0.0				0.00					

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0014		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	GP	FUNCTION			
FND	KCD	KSQ	1	2	MARKING	S	FIND	1	2	MARKING	S	FIND	GP	FUNCTION				
			3	4	5	H	LUG	3	4	5	H	LUG	SLV	SC	FUNCTION			
			NOTES	NOTES		S	STP	NOTES	NOTES		S	STP	FND					
						H	FER				H	FER						
020	05	1		14	S12-2													
020	05	2					0.00		0.0				0.00					
020	05	1		14	S12-3													
020	05	2					0.00		0.0				0.00					
020	07	1		14	S12-3													
020	07	2					0.00		0.0				0.00					
020	01	1		14	S12-4													
020	01	2					0.00		0.0				0.00					
020	07	1		14	S12-4													
020	07	2					0.00		0.0				0.00					
020	03	1		12	S12-5													
020	03	2					0.00	10	0.0				0.00					
020	08	1	31	RED	12	S12-5				5	TB40-2		15	19				
020	08	2					0.00		0.0				0.00					
008	01	1	31	RED		S12-7				12	CB15-10				28VBF			
008	01	2					0.00	9	0.0				0.00		28VBF			
019	13	1	30	BLK	12	S12-C				12	S12-14			10	DCRTN			
019	13	2					0.00		0.0				0.00		DCRTN			





Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0016							
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION	
				1	2	3		S	FIND	S			1	2		S	FIND	S			FIND
				3	4	5	H	LUG	SLV			3	4	5	H	LUG	SLV				
						S	STP	FND FER						H	STP	FND FER					
009 009	10 10	1 2	31	RED		12		S13-7			10			5	7	E25-CR7-C				19	28VRD 28VRD
							0.00			0.0							0.00				
019 019	11 11	1 2	31	RED		12		S13-7						12		S11-7					28VRD 28VRD
							0.00			0.0							0.00				
019 019	01 01	1 2	30	BLK		12		S13-C			10			12		S11-C					DCRTN DCRTN
							0.00			0.0							0.00				
020 020	09 09	1 2	30	BLK		12		S13-C						12		S12-14					DCRTN DCRTN
							0.00			0.0							0.00				
012 012	07 07	1 2	1	WHT		5		S18-11		11	5			5	8	M8-NEG			14	5	
							0.00			0.0							0.00				
012 012	09 09	1 2	1	WHT		5		S18-21		11	5			5	8	M8-POS			14	5	
							0.00			0.0							0.00				
013 013	13 13	1 2	20			14		S2-1						14		S2-4					
							0.00			0.0							0.00				
014 014	01 01	1 2	18	WHT		14		S2-1						12	10	S2-5				10	
							0.00			0.0							0.00				
014 014	03 03	1 2	20			14		S2-2						14		S2-3					
							0.00			0.0							0.00				

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0017			
SHT	LN	C	WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	S	FIND	GP	FUNCTION		
			FND			1	2	S			1	2		H	LUG				
			KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC	FUNCTION	
					3	4	5	H		FER		3	4	5	H		FER		
014	03	1				14	S2-3					14	S2-2						
014	03	2							0.00		0.0						0.00		
014	05	1				14	S2-3					14	S2-4						
014	05	2							0.00		0.0						0.00		
013	13	1				14	S2-4					14	S2-1						
013	13	2							0.00		0.0						0.00		
014	05	1				14	S2-4					14	S2-3						
014	05	2							0.00		0.0						0.00		
014	01	1	18	WHT		12	10	S2-5			10	14	S2-1						
014	01	2							0.00		0.0						0.00		
014	09	1	31	RED		12		S2-7				12	S10-7				10		28VRD
014	09	2							0.00		0.0						0.00		28VRD
014	07	1	31	RED		12		S2-7			10	12	S9-7				10		28VRD
014	07	2							0.00		0.0						0.00		28VRD
013	09	1	30	BLK		12		S2-C			10	12	S10-C				10		DCRTN
013	09	2							0.00		0.0						0.00		DCRTN
013	11	1	30	BLK		12		S2-C				12	S21-C				10		DCRTN
013	11	2							0.00		0.0						0.00		DCRTN



Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0019				
			WI	CLR	KY	NOTES	LOCATION	FROM			ROUTE	KY	NOTES	LOCATION	TO .			GP	FUNCTION	
			FND			1	2		S	FIND		1	2		S	FIND		GP	FUNCTION	
			KCD	KSQ		NOTES	MARKING		H	LUG	SLV	3	4	5	H	LUG	SLV	SC	FUNCTION	
						3	4	5	S	STP	FND	3	4	5	H	STP	FND			
									H	FER					H	FER				
021	13	1	18	WHT			S21-7				9			10						
021	11	2							0.00			0.0					0.00			10
013	11	1	30	BLK	12		S21-C				10			12						DCRTN
013	11	2							0.00			0.0					0.00			DCRTN
017	07	1	30	BLK	12		S21-C							12						DCRTN
017	07	2							0.00			0.0					0.00			DCRTN
008	02	1	26	RED	5		S34-2			11	5			5			13	5		EM LT
008	02	2							0.00			0.0					0.00			EM LT
009	01	1	26	RED	5		S36-1			11	5			5			13	5		
009	01	2							0.00			0.0					0.00			
008	13	1	26	RED	5		S36-2			11	5			5			13	5		
008	13	2							0.00			0.0					0.00			
009	11	1	26	RED	5		S36-4			11	5			5			11	5		
009	11	2							0.00			0.0					0.00			
007	07	1	2	WHT	5		S36-5			11	5			5			13	5		
007	07	2							0.00			0.0					0.00			
009	03	1	26	RED	5		S36-6			11	5			5			11	5		
009	03	2							0.00			0.0					0.00			

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0020		
			WI	CLR	KY	NOTES	LOCATION	FROM	ROUTE	KY	NOTES	LOCATION	TO	GP	FUNCTION			
FND	KCD	KSQ	1	2	MARKING	S	FIND	1	2	MARKING	S	FIND	GP	FUNCTION				
			3	4	5	H	LUG	3	4	5	H	LUG	SLV	SC	FUNCTION			
			NOTES	NOTES		S	STP	NOTES	NOTES		S	STP	FND					
						H	FER				H	FER						
014	11	1		14	S4-1			14		S4-4								
014	11	2						0.00		0.0			0.00					
010	03	1			S4-14			0.00	9				0.00					
010	03	2						0.00		0.0			0.00					
008	08	1		12	S4-15			0.00	10				0.00	15	19			
008	08	2						0.00		0.0			0.00					
010	05	1		12	S4-15			0.00					0.00					
010	05	2						0.00		0.0			0.00					
014	13	1		14	S4-2			0.00					0.00					
014	13	2						0.00		0.0			0.00					
015	01	1		14	S4-2			0.00					0.00		9			
015	01	2						0.00		0.0			0.00					
014	13	1		14	S4-3			0.00					0.00					
014	13	2						0.00		0.0			0.00					
015	03	1		14	S4-3			0.00					0.00					
015	03	2						0.00		0.0			0.00					
014	11	1		14	S4-4			0.00					0.00					
014	11	2						0.00		0.0			0.00					

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0021					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2				H	LUG	SLV
			S	STP	FND	3	4	5	S	STP	FND	H	FER						
015 015	03 03	1 2	20			14	S4-4						14	S4-3					
								0.00		0.0					0.00				
009 009	08 08	1 2	31	RED		12	S4-5			10		5	7	E25-CR4-C		19	28VRD 28VRD		
								0.00		0.0					0.00				
015 015	05 05	1 2	31	RED		12	S4-5							S6-3			28VRD 28VRD		
								0.00		0.0					0.00				
015 015	01 01	1 2	20			14	S4-7			9		14		S4-2					
								0.00		0.0					0.00				
008 008	06 06	1 2	30	BLK		12	S4-C			10		5		DS16-NEG	15	19	DCRTN DCRTN		
								0.00		0.0					0.00				
014 014	10 10	1 2	30	BLK		12	S4-C					5		TB40-1	15	19			
								0.00		0.0					0.00				
015 015	09 09	1 2	20			14	S5-1					14		S5-2					
								0.00		0.0					0.00				
015 015	11 11	1 2	20			14	S5-1					14		S5-5					
								0.00		0.0					0.00				
010 010	11 11	1 2	31	RED			S5-2							E25-12					
								0.00		0.0					0.00				

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0022					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO .			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2	MARKING			H	LUG	SLV
			S	STP	FND	3	4	5	S	STP	FND	H	FER						
015 09 1 015 09 2	20			14		S5-2						14	S5-1						
								0.00		0.0					0.00				
015 13 1 015 13 2	18	WHT				S5-3							S5-4						
								0.00		0.0					0.00				
015 13 1 015 13 2	18	WHT				S5-4							S5-3						
								0.00		0.0					0.00				
015 11 1 015 11 2	20			14		S5-5						14	S5-1						
								0.00		0.0					0.00				
005 07 1 005 07 2	31	RED		5		S5-6					9	7	E25CR10-A						
								0.00		0.0					0.00				
005 11 1 005 11 2	30	BLK		12		S5-C					10	5	CB3-8	16	19		DCRTN DCRTN		
								0.00		0.0				0.00					
015 07 1 015 07 2	30	BLK		12		S5-C						12	S9-C		10		DCRTN DCRTN		
								0.00		0.0				0.00					
015 05 1 015-05 2	31	RED				S6-3						12	S4-5				28VRD 28VRD		
								0.00		0.0				0.00					
008 10 1 008 10 2	31	RED				S6-5					9	5	DS16-POS	15	19				
								0.00		0.0				0.00					



Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0023							
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES		LOCATION	TO .			GP	FUNCTION	
						1	2			S	FIND				1	2		S	FIND				S
			FND	KSQ		3	4	5	MARKING	S	LUG	SLV	LENGTH		3	4	5	MARKING	S	STP	FND	SC	FUNCTION
			KCD							H		FER							H		FER		
017	01	1	20			14			S8-1					14				S8-4					TIMER 2
017	01	2										0.00	0.0									0.00	TIMER 2
017	05	1	18	WHT		10			S8-16			10						S8-4					TIMER 2
017	05	2										0.00	0.0									0.00	TIMER 2
017	03	1	20			14			S8-2					14				S8-3					TIMER 2
017	03	2										0.00	0.0									0.00	TIMER 2
017	03	1	20			14			S8-3					14				S8-2					TIMER 2
017	03	2										0.00	0.0									0.00	TIMER 2
017	01	1	20			14			S8-4					14				S8-1					TIMER 2
017	01	2										0.00	0.0									0.00	TIMER 2
017	05	1	18	WHT					S8-4					10				S8-16			10		TIMER 2
017	05	2										0.00	0.0									0.00	TIMER 2
017	09	1	20			14			S9-1					14				S9-4					TIMER 2
017	09	2										0.00	0.0									0.00	TIMER 2
017	11	1	20			14			S9-1					14				S9-5					TIMER 2
017	11	2										0.00	0.0									0.00	TIMER 2
017	13	1	20			14			S9-2					14				S9-3					TIMER 2
017	13	2										0.00	0.0									0.00	TIMER 2

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0024							
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY	NOTES			LOCATION	TO			GP	FUNCTION
						1	2	3		S	FIND	LENGTH			1	2	3		4	5	S		
			FND	KSQ		3	4	5	MARKING	H	LUG	SLV			NOTES	MARKING	H	LUG	SLV				
			KCD							S	STP	FND					S	STP	FND				
										H		FER					H		FER				
017	13	1				14			S9-3						14	S9-2							
017	13	2									0.00		0.0						0.00				
018	01	1				14			S9-3						14	S9-4							
018	01	2									0.00		0.0						0.00				
017	09	1				14			S9-4						14	S9-1							
017	09	2									0.00		0.0						0.00				
018	01	1				14			S9-4						14	S9-3							
018	01	2									0.00		0.0						0.00				
017	11	1				14			S9-5						14	S9-1							
017	11	2									0.00		0.0						0.00				
010	09	1	31	RED					S9-6			9				E25-10						RC ON	
010	09	2									0.00		0.0						0.00			RC ON	
014	07	1	31	RED	12				S9-7			10			12	S2-7			10			28VRD	
014	07	2									0.00		0.0						0.00			28VRD	
017	07	1	30	BLK	12				S9-C						12	S21-C						DCRTN	
017	07	2									0.00		0.0						0.00			DCRTN	
015	07	1	30	BLK	12				S9-C			10			12	S5-C						DCRTN	
015	07	2									0.00		0.0						0.00			DCRTN	

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0025					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION			
				1	2			S	FIND			KY	NOTES	LOCATION			S	FIND	
				3	4	5		H	LUG	SLV		1	2	MARKING			H	LUG	SLV
			S	STP	FND				3	4	5	S	STP	FND					
			H		FER							H		FER					
011 011	01 01	1 2					TB40-1					16	MT1-E1						
								0.00		0.0					0.00				
009 009	11 11	1 2	26	RED	5		TB40-1		11	5		5	S36-4		11	5			
								0.00		0.0					0.00				
014 014	10 10	1 2	30	BLK	5		TB40-1		15	19		12	S4-C						
								0.00		0.0					0.00				
011 011	02 02	1 2		RED			TB40-2					16	MT1-E2						
								0.00		0.0					0.00				
020 020	08 08	1 2	31	RED	5		TB40-2		15	19		12	S12-5						
								0.00		0.0					0.00				
011 011	03 03	1 2		WHT			TB40-3					16	MT1-E4						
								0.00		0.0					0.00				
020 020	10 10	1 2	18	WHT	5		TB40-3		15	19			S12-15						
								0.00		0.0					0.00				
009 009	03 03	1 2	26	RED	5		TB40-3		11	5		5	S36-6		11	5			
								0.00		0.0					0.00				
006 006	01 01	1 2	32	RED	5		XK1-A2			7			CB3-11				+24VDC +24VDC		
								0.00		0.0					0.00				

Table 5-15. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List - Continued

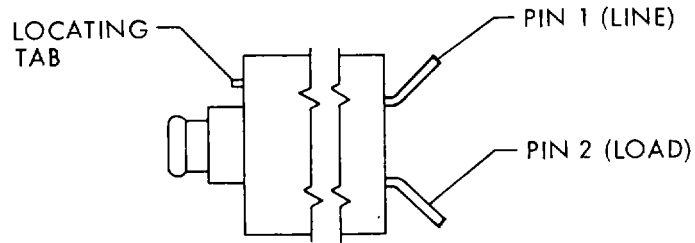
SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817058			PAGE 0026				
			WI	CLR	KY	NOTES	LOCATION	FROM			ROUTE	KY	NOTES	LOCATION	TO .			GP	FUNCTION	
			FND			1	2		S	FIND		1	2		S	FIND		GP	FUNCTION	
			KCD	KSQ	NOTES	MARKING		H	LUG	SLV	LENGTH	NOTES	MARKING		H	LUG	SLV	SC	FUNCTION	
					3	4	5	S	STP	FND		3	4	5	H		FND			
								H		FER							FER			
005	09	1	26	RED		5		XK1-A3			7			5						
005	09	2							0.00		0.0						11	5		
																	0.00			
012	01	1	3	WHT				XK1-C3			8									NEUTRAL
012	01	2							0.00		0.0						0.00			NEUTRAL
013	07	1	33	BLU				XK1-D1			8			5			15	6		PHASE C
013	07	2							0.00		0.0						0.00			PHASE C
013	05	1	35	RED				XK1-D2			8			5			15	6		PHASE B
013	05	2							0.00		0.0						0.00			PHASE B
013	03	1	34	BLK				XK1-D3			8			5			15	6		PHASE A
013	03	2							0.00		0.0						0.00			PHASE A

Table 5-16. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List  
Associated Parts List

PARTS LIST				WRL-PWRPNLAC/DC	PLSMB817058	PL REV -C	
ASSEMBLY PART NUMBER SMB817058				SHEET 2			
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
1	1	LF	81349	=TYPEE14AWGWIT	MIL-W-16878/4	WIRE, ELECTRICAL	13
2	2	LF	81349	TYPEE16AWGWHT	MIL-W-16878/4	WIRE, ELECTRICAL	13
3	1	LF	81349	TYPEE18AWGWHT	MIL-W-16878/4	WIRE, ELECTRICAL	13
4	REF			DELETE		DELETED ITEM	
5	48	IN	81349	CL1-.125IDYEL	MIL-I-23053/5	INSULATION SLVG	9
6	14	IN	81349	CL1-.093IDYEL	MIL-I-23053/5	INSULATION SLVG	9
7	REF			DELETE		DELETED ITEM	
8	REF			DELETE		DELETED ITEM	
9	REF			DELETE		DELETED ITEM	
10	REF			DELETE		DELETED ITEM	
11	24		96906	MS25036-106	MIL-T-7928	TERMINAL, LUG	
12	6		96906	MS25036-153	MIL-T-7928	TERMINAL, LUG	
13	13		96906	MS25036-108	MIL-T-7928	TERMINAL, LUG	
14	8		96906	MS25036-154	MIL-T-7928	TERMINAL, LUG	
15	9		96906	MS25036-101	MIL-T-7928	TERMINAL, LUG	
16	1		96906	MS25036-103	MIL-T-7928	TERMINAL, LUG	
17	AR		81348	SN60WRMAP2-063D	QQ-S-571	SOLDER, TIN ALLY	
18	3	LF	81349	TYPEE22AWGWHT	MIL-W-16878/4	WIRE, ELECTRICAL	13
19	11	IN	81349	CL1-.063IDYEL	MIL-I-23053/5	INSULATION SLVG	9
20	5	LF	81348	TYPES22AWG	QQ-W-343	WIRE-SOFT, TIN	13
21	6	LF	81349	22129AWG22WHT	MIL-I-22129	INSULATION, TUBG	13
22	2	LF	81349	M5086-2-10-0	MIL-W-5086/2	WIRE, ELECTRICAL	13
23	2	LF	81349	TYPEE14AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	13
24	2	LF	81349	M5086-2-10-6	MIL-W-5036/2	WIRE, ELECTRICAL	13

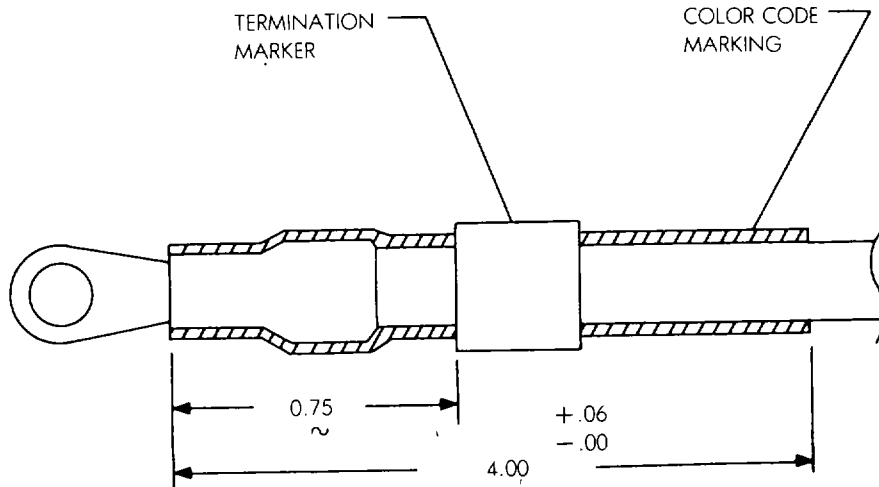
Table 5-16. Power Panel AC/DC (CIS/MPS) Redundant Cable Run List  
Associated Parts List - Continued

PARTS LIST				WRL-PWRPNLAC/DC		PLSMB817058	PL REV -C
ASSEMBLY PART NUMBER SMB817058							SHEET 3
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
25	3	LF	81349	TYPEE16AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	13
26	13	LF	81349	TYPEE16AWGRED	MIL-W-16378/4	WIRE, ELECTRICAL	13
27	1	LF	81349	TYPEE16AWGBLU	MIL-W-16878/4	WIRE, ELECTRICAL	13
28	1	LF	81349	TYPEE14AWGGRA	MIL-W-16878/4	WIRE, ELECTRICAL	13
29	3	LF	81349	TYPEE16AWGGRA	MIL-W-16878/4	WIRE, ELECTRICAL	13
30	10	LF	81349	TYPEE22AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	13
31	20	LF	81349	TYPEE22AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	13
32	2	LF	81349	TYPEE20AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	13
33	1	LF	81349	TYPEE18AWGBLU	MIL-W-16878/4	WIRE, ELECTRICAL	13
34	1	LF	81349	TYPEE18AWGBLK	MIL-W-16878/4	WIRE, ELECTRICAL	13
35	4	LF	81349	TYPEE18AWGRED	MIL-W-16878/4	WIRE, ELECTRICAL	13
36	REF			DELETE		DELETED ITEM	
37	2	LF	81349	M5086-2-10-2	MIL-W-5086/2	WIRE, ELECTRICAL	13
38	3		96906	MS25036-157	MIL-T-7928	TERMINAL, LUG	
39	3		96906	MS25036-156	MIL-T-7928	TERMINAL, LUG	
40	6	IN	81349	CL1-.250IDYEL	MIL-I-23053/5	INSULATION, SLVG	9
41	AR		81349	TYPEPCL2BLKWAX	MIL-T-713	TWINE, LACING	18



EL4OY022

Figure 5-38. Typical Orientation for CB6, 7, 8, and 9.



EL8EW020

Figure 5-39. Shield Termination

5-2005

**Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List****NOTES:**

1. Workmanship per MIL-STD-454, Requirement 9, shall be complied with.
2. Partial reference designations are shown. For complete designations, prefix with unit number or assembly or subassembly designations as applicable.
3. Termination marking required. Marking to be the same as indicated in the applicable Location column unless otherwise specified.
4. Entries in Routing column denotes specific wiring route. Refer to figure 5-40 for routing path information.
5. The line following the insulation conductor with AN(S) in the applicable Shield column will be the shield of a coaxial cable and/or shielded wire.
6. Quantity in inches. Cut to 3/4-inch lengths.
7. See figure 5-42.
8. Contact (Find No. 9) supplied with Connector; Crimp Tool, M22520/1-01; Positioner, M22520/1-08; Insertion Tool, MS3323-20; Extraction Tool, MS3342-20; Sealing Plug (Find No. 8).
9. See figure 5-41. Leads shall be terminated per SM-A-811234, Procedure 8, using Find No. 2.
10. Two wire ends common to one piece of termination hardware. Terminate when hardware is called out.
11. See figure 5-43.
12. Solder per MIL-STD-454, Requirement 5, shall be complied with.
13. Leads shall be terminated per SMA-811234, Procedure 14:  
J(1-8)-1 signifies termination of center conductor  
J(1-8)-2 signifies termination of inner shield  
J(1-8)-3 signifies termination of outer shield.
14. Wire wrap shall be in accordance with MIL-STD-454, Requirement 69, and shall be complied with.
15. Quantity in feet.



**Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued**

**NOTES - Continued**

- 16. Unless otherwise specified, all marking shall be in accordance with MIL-M-81531, hot-stamped black characters, centrally located.
- 17. See table A for connector marking. Locate adjacent to connector.
- 18. To interpret data contained in this wire run list, see paragraph 5-3.
- 19. Terminate shields per SM-A-811234, Procedure 5.
- 20. Terminate per SM-B-811234, Procedure 6, using Find No. 13.
- 21. Terminate per SM-B-811234, Procedure 6, using Find No. 14.
- 22. Quantity in inches cut to lengths of 1/2-inch + 1/16-inch.

**Table A**

<b>Connector Ref. Des.</b>	<b>Marking</b>	<b>Find No.</b>	<b>Notes</b>
J1	J1	6	6, 16
J2	J2	6	6, 16
J3	J3	6	6, 16
J4	J4	6	6, 16

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0001							
	WI FND KCD	CLR KSQL	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	TO			GP SC	FUNCTION					
				1	2	3		S	FIND	LOC		S	FIND	GP							
				1	2	3	4	5	H	LUG	SLV	1	2	3	4	5	H	LUG	SLV	FND	FER
			3	4	5																
020 01 1		BLU												J28-1	S						SHIELD
020 01 2								0.00		0.0						0.00					SHIELD
020 04 1		BLU												J28-1	S						SHIELD
020 04 2								0.00		0.0						0.00					SHIELD
019 09 1		BLU												J29-1	S						SHIELD
019 09 2								0.00		0.0						0.00					SHIELD
019 12 1		BLU												J29-1	S						SHIELD
019 12 2								0.00		0.0						0.00					SHIELD
020 07 1		BLU												J30-1	S						SHIELD
020 07 2								0.00		0.0						0.00					SHIELD
020 10 1		BLU												J31-1	S						SHIELD
020 09 2								0.00		0.0						0.00					1NT-COMOBR
019 03 1		BLU												J32-1	S						SHIELD
019 03 2								0.00		0.0						0.00					SHIELD
019 06 1		BLU												J32-1	S						SHIELD
019 06 2								0.00		0.0						0.00					SHIELD
007 01 1	11			7	13	J1-1				A	7	13	J2-1								TPPTDIG1L
007 01 2			17					0.00		0.0						0.00					



Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0003			
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE LENGTH	KY	NOTES 1 2 3 4 5	LOCATION MARKING	TO S H S H	FIND LUG STP	GP SC	FUNCTION		
010	01	1	4	R		9		J10-5		3	A		3	8	J9-12			5	TPPTCT1E R
010	01	2							0.00	2	0.0		9				0.00	2	
014	08	1		WHT		9	10	J11-1		1			9		J11-3	S			TPPRCT1LSH
014	08	2							0.00		0.0						0.00		TPPRCT1LSH
011	09	1		WHT		9	10	J11-1					9		J11-5	S			TPPRCT1ESH
011	09	2							0.00		0.0						0.00		TPPRCT1ESH
014	06	1	4	R		9		J11-2		3	A		3	8	J25-25			5	TPPRCT1L R
014	06	2							0.00	2	0.0		9				0.00	2	
014	08	1		WHT		9		J11-3	S				9	10	J11-1			1	TPPRCT1LSH
014	08	2							0.00		0.0						0.00		TPPRCT1LSH
014	07	1		C		9		J11-3		3			3	8	J25-46			5	TPPRCT1L
014	07	2							0.00		0.0		9				0.00		
011	07	1		C		9		J11-4		3			3	8	J9-46			5	TPPRCT1E
011	07	2							0.00		0.0		9				0.00		
011	09	1		WHT		9		J11-5	S				9	10	J11-1				TPPRCT1ESH
011	09	2							0.00		0.0						0.00		TPPRCT1ESH
011	06	1	4	R		9		J11-5		3	A		3	8	J9-25			5	TPPRCT1E R
011	06	2							0.00	2	0.0		9				0.00	2	

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0004					
			WI	CLR	KY	NOTES	LOCATION	FROM			ROUTE	KY	NOTES	LOCATION	TO .			GP	FUNCTION		
			FND			1	2		S	FIND		1	2		S	FIND					
			KCD	KSQ		NOTES	MARKING		H	LUG	SLV	LENGTH		NOTES	MARKING	H	LUG	SLV	SC	FUNCTION	
						3	4	5	S	STP	FND	3	4	5	H	STP	FND				
									H		FER				H		FER				
014	13	1				9	10				1				9						TPPRCTC1LS
014	13	2									0.00			0.0							TPPRCTC1LS
013	09	1				9	10								9						TPPRCTC1ES
013	09	2									0.00			0.0							TPPRCTC1ES
014	11	1	4	R		9					3		A	3	8				5		TPPRCTC1LR
014	11	2									0.00	2	0.0	9					0.00	2	
014	13	1				9			S						9	10				1	TPPRCTC1LS
014	13	2									0.00			0.0						0.00	TPPRCTC1LS
014	12	1				9					3			3	8				5		TPPRCTC1L
014	12	2									0.00			9					0.00		
013	07	1				9					3			3	8				5		TPPRCTC1E
013	07	2									0.00			9					0.00		
013	09	1				9			S						9	10					TPPRCTC1ES
013	09	2									0.00			0.0					0.00		TPPRCTC1ES
013	06	1	4	R		9					3		A	3	8				5		TPPRCTC1ER
013	06	2									0.00	2	0.0	9					0.00	2	
015	03	1				9	10				1				9						TPPTCTC1LS
015	03	2									0.00			0.0					0.00		TPPTCTC1LS

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0005							
			WI	CLR	KY	NOTES	LOCATION	FROM			ROUTE	KY	NOTES	LOCATION	TO .			GP	FUNCTION				
			FND			1	2		S	FIND				1	2		S	FIND					
			KCD	KSQ		NOTES	MARKING		S	LUG	SLV	LENGTH		NOTES	MARKING		S	STP	FND		SC	FUNCTION	
						3	4	5	H		FER	3	4	5		H		FER					
013	04	1		WHT		9	10							9		J13-5	S						TPPTCTC1ES
013	04	2							0.00			0.0						0.00					TPPTCTC1ES
015	01	1	4	R		9				3	A			9	3	8	J25-41				5		TPPTCTC1LR
015	01	2							0.00	2		0.0						0.00		2			
015	03	1		WHT		9			S					9	10	J13-1			1				TPPTCTC1LS
015	03	2							0.00			0.0						0.00					TPPTCTC1LS
015	02	1		C		9				3				9	3	8	J25-42				5		TPPTCTC1L
015	02	2							0.00			0.0						0.00					
013	02	1		C		9				3				9	3	8	J9-42				5		TPPTCTC1E
013	02	2							0.00			0.0						0.00					
In																							
013	04	1		WHT		9			S					9	10	J13-1							TPPTCTC1ES
013	04	2							0.00			0.0						0.00					TPPTCTC1ES
013	01	1	4	R		9				3	A			9	3	8	J9-41				5		TPPTCTC1ER
013	01	2							0.00	2		0.0						0.00		2			
015	08	1		WHT		9	10			1				9		J14-3	S						TPPBSC1LSH
015	08	2							0.00			0.0						0.00					TPPBSC1LSH
013	14	1		WHT		9	10							9		J14-5	S						TPPBSC1ESH
013	14	2							0.00			0.0						0.00					TPPBSC1ESH

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0006				
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH 3 4 5	KY	NOTES 1 2 NOTES	LOCATION MARKING	TO . S H S H	FIND LUG STP	GP SC	FUNCTION		
015 015	06 06	1 2	4	R		9	J14-2			3 0.00		A 0.0		9	3 8	J25-47			5 2	TPPBSC1L R
015 015	08 08	1 2		WHT		9	J14-3	S		0.00		0.0		9	10	J14-1		1 0.00		TPPBSC1LSH TPPBSC1LSH
015 015	07 07	1 2		C		9	J14-3			3 0.00		0.0	9	3 8	J25-48			0.00	5	TPPBSC1L
013 013	12 12	1 2		C		9	J14-4			3 0.00		0.0	9	3 8	J9-48			0.00	5	TPPBSC1E
013 013	14 14	1 2		WHT		9	J14-5	S		0.00		0.0		9	10	J14-1		0.00		TPPBSC1ESH TPPBSC1ESH
013 013	11 11	1 2	4	R		9	J14-5			3 0.00	2	A 0.0	9	3 8	J9-47			0.00	5 2	TPPBSC1E R
015 015	13 13	1 2		WHT		9	J15-1			1 0.00		0.0		9		J15-3	S	0.00		TPPTCT2LSH TPPTCT2LSH
010 010	14 14	1 2		WHT		9	J15-1			0.00		0.0		9		J15-5	S	0.00		TPPTCT2ESH TPPTCT2ESH
015 015	11 11	1 2	4	R		9	J15-2			3 0.00	2	A 0.0	9	3 8	J25-19			0.00	5 2	TPPTCT2L R

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0007		
			WI	CLR	KY	NOTES	LOCATION	FROM	FIND	ROUTE	KY	NOTES	LOCATION	TO .	FIND	GP	FUNCTION	
			FND			1 2				1 2			H LUG	SLV	SC	FUNCTION		
			KCD	KSQ	NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC	FUNCTION	
					3 4 5		H	FER	3 4 5				H	FER				
015	13	1				9	J15-3	S										TPPTCT2LSH
015	13	2							0.00									TPPTCT2LSH
015	12	1				9	J15-3			3								TPPTCT2L
015	12	2							0.00				9					
010	12	1				9	J15-4			3								TPPTCT2E
010	12	2							0.00				9					
010	14	1				9	J15-5	S										TPPTCT2ESH
010	14	2							0.00									TPPTCT2ESH
010	11	1	4	R		9	J15-5			3	A							TPPTCT2E R
010	11	2							0.00				9					
016	03	1				9	J16-1			1								TPPRCT2LSH
016	03	2							0.00									TPPRCT2LSH
011	04	1				9	J16-1											TPPRCT2ESH
011	04	2							0.00									TPPRCT2ESH
016	01	1	4	R		9	J16-2			3	A							TPPRCT2L R
016	01	2							0.00				9					
016	03	1				9	J16-3	S										TPPRCT2LSH
016	03	2							0.00									TPPRCT2LSH



Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST											DWG NO. SM-B-817301			PAGE 0008				
SHT	LN	C	WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY NOTES		LOCATION	TO .			GP	FUNCTION
						1	2			S	FIND			1	2		S	FIND			
			FND	KSQ		3	4	5	MARKING	H	LUG	SLV	LENGTH	NOTES	MARKING	H	LUG	SLV	SC	FUNCTION	
			KCD							S	STP	FND	3	4	5	H	STP	FND			
										H		FER				H		FER			
016	02	1		C		9			J16-3			3			J25-39					5	TPPRCT2L
016	02	2										0.00		9						0.00	
011	02	1		C		9			J16-4			3			J9-39					5	TPPRCT2E
011	02	2										0.00		9						0.00	
011	04	1		WHT		9			J16-5	S				9	10	J16-1				0.00	TPPRCT2ESH
011	04	2										0.00									TPPRCT2ESH
011	01	1	4	R		9			J16-5			3	A	9	3	J9-21				5	TPPRCT2E R
011	01	2										0.00	2	9						0.00	2
016	08	1		WHT		9	10		J17-1			1		9		J17-3	S				TPPRCTC2LS
016	08	2										0.00								0.00	TPPRCTC2LS
012	14	1		WHT		9	10		J17-1					9		J17-5	S				TPPRCTC2ES
012	14	2										0.00								0.00	TPPRCTC2ES
016	06	1	4	R		9			J17-2			3	A	9	3	J25-37				5	TPPRCTC2LR
016	06	2										0.00	2	9						0.00	2
016	08	1		WHT		9			J17-3	S				9	10	J17-1				1	TPPRCTC2LS
016	08	2										0.00								0.00	TPPRCTC2LS
016	07	1		C		9			J17-3			3		9	3	J25-38				5	TPPRCTC2L
016	07	2										0.00								0.00	



Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0010				
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION
				1	2	3		S	FIND	1		2	S		FIND	S	FIND	
	3	4	5	H	LUG	SLV	3	4	5	1	2	H	LUG	SLV	S	FIND	SC	
			NOTES				STP	FND			NOTES			STP	FND		FER	
012 09 1 012 09 2		WHT		9		J18-5	S					9 10	J18-1					TPPTCTC2ES TPPTCTC2ES
012 06 1 012 06 2	4	R		9		J18-5		3	A		3 8	J9-34				5		TPPTCTC2ER
017 03 1 017 03 2		WHT		9 10		J19-1		1			9	J19-3	S					TPPBSC2LSH TPPBSC2LSH
009 14 1 009 14 2		WHT		9 10		J19-1					9	J19-5	S					TPPBSC2ESH TPPBSC2ESH
017 01 1 017 01 2	4	R		9		J19-2		3	A		3 8	J25-10				5		TPPBSC2L R
017 03 1 017 03 2		WHT		9		J19-3	S				9 10	J19-1		1				TPPBSC2LSH TPPBSC2LSH
017 02 1 017 02 2		C		9		J19-3		3			3 8	J25-22				5		TPPBSC2L
009 12 1 009 12 2		C		9		J19-4		3			3 8	J9-22				5		TPPBSC2E
009 14 1 009 14 2		WHT		9		J19-5	S				9 10	J19-1						TPPBSC2ESH TPPBSC2ESH





Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0013		
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH 3 4 5	KY	NOTES 1 2 NOTES	LOCATION MARKING	TO . S H S H	FIND LUG STP FND FER	GP SC	FUNCTION
010	09	1		WHT		9		J21-5	S								TPPRCTESH	
010	09	2								0.00		0.0				0.00	TPPRCTESH	
010	06	1	4	R		9		J21-5		3	A						5	
010	06	2								0.00	2	0.0	9	3	8	J9-17	0.00	2
																		TPPRCTE R
018	03	1		WHT		9	10	J22-1		1								TPPRCTC3LS
018	03	2							S	0.00		0.0		9		J22-3	0.00	
																		TPPRCTC3LS
012	04	1		WHT		9	10	J22-1										TPPRCTC3ES
012	04	2							S	0.00		0.0		9		J22-5	0.00	
																		TPPRCTC3ES
018	01	1	4	R		9		J22-2		3	A							TPPRCTC3LR
018	01	2							S	0.00	2	0.0	9	3	8	J25-30	0.00	2
018	03	1		WHT		9		J22-3										TPPRCTC3LS
018	03	2							S	0.00		0.0		9	10	J22-1	0.00	
																		TPPRCTC3LS
018	02	1		C		9		J22-3		3								TPPRCTC3L
018	02	2							S	0.00		0.0	9	3	8	J25-31	0.00	5
012	02	1		C		9		J22-4		3								TPPRCTC3E
012	02	2							S	0.00		0.0	9	3	8	J9-31	0.00	5
012	04	1		WHT		9		J22-5										TPPRCTC3ES
012	04	2							S	0.00		0.0		9	10	J22-1	0.00	
																		TPPRCTC3ES

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0014				
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH 3 4 5	KY	NOTES 1 2 NOTES	LOCATION MARKING	TO S H S H	FIND LUG STP	GP SC	FUNCTION		
012	01	1	4	R		9		J22-5		3		A						5	TPPRCTC3ER	
012	01	2							0.00	2		0.0	9	3	8	J9-30		0.00	2	
018	08	1		WHT		9	10	J23-1		1				9		J23-3	S	0.00		TPPTCTC3LS
018	08	2							0.00			0.0						0.00		TPPTCTC3LS
011	14	1		WHT		9	10	J23-1						9		J23-5	S	0.00		TPPTCTC3ES
011	14	2							0.00			0.0						0.00		TPPTCTC3ES
018	06	1	4	R		9		J23-2		3		A		3	8	J25-27		0.00	2	TPPTCTC3LR
018	06	2							0.00	2		0.0	9					0.00	2	
018	08	1		WHT		9		J23-3	S					9	10	J23-1		0.00	1	TPPTCTC3LS
018	08	2							0.00			0.0						0.00		TPPTCTC3LS
018	07	1		C		9		J23-3		3				3	8	J25-28		0.00	5	TPPTCTC3L
018	07	2							0.00			0.0	9					0.00		
011	12	1		C		9		J23-4		3				3	8	J9-28		0.00	5	TPPTCTC3E
011	12	2							0.00			0.0	9					0.00		
011	14	1		WHT		9		J23-5	S					9	10	J23-1		0.00		TPPTCTC3ES
011	14	2							0.00			0.0						0.00		TPPTCTC3ES
011	11	1	4	R		9		J23-5		3		A		3	8	J9-27		0.00	2	TPPTCTC3ER
011	11	2							0.00	2		0.0	9					0.00	2	





Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0016						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION		
				1	2	5		S	FIND	3		4	5		S	FIND	S		FIND	SLV
				3	4	5		H	LUG	SLV		1	2		H	LUG	SLV		S	STP
014 014	01 01	1 2	4	R		3	8	J25-12			5	A	9	J10-2			3			TPPTCT1L R
					9				0.00	2	0.0						0.00	2		
017 017	07 07	1 2		C		3	8	J25-16			5		9	J20-3			3			TPPTCT3L
					9				0.00		0.0						0.00			
017 017	09 09	1 2		WHT		9		J25-16	S				3	J25-52					5	TPPTCT3LSH
					9				0.00		0.0	9					0.00			
017 017	11 11	1 2	4	R		3	8	J25-17			5	A	9	J21-2			3		2	TPPRCT3L R
					9				0.00	2	0.0						0.00	2		
018 018	12 12	1 2		C		3	8	J25-18			5		9	J24-3			3			TPPBSC3L
					9				0.00		0.0						0.00			
018 018	14 14	1 2		WHT		9		J25-18	S				3	J25-57					5	TPPBSC3LSH
					9				0.00		0.0	9					0.00			
015 015	11 11	1 2	4	R		3	8	J25-19			5	A	9	J15-2			3		2	TPPTCT2L R
					9				0.00	2	0.0						0.00	2		
016 016	01 01	1 2	4	R		3	8	J25-21			5	A	9	J16-2			3		2	TPPRCT2L R
					9				0.00	2	0.0						0.00	2		
017 017	02 02	1 2		C		3	8	J25-22			5		9	J19-3			3			TPPBSC2L
					9				0.00		0.0						0.00			

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Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0019		
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 NOTES 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH 3 4 5	KY	NOTES 1 2 NOTES	LOCATION MARKING	TO . S H S H	FIND LUG STP	SLV FND FER	GP SC
016 016	07 07	1 2	C		3 8	J25-38			5		9	J17-3		3			TPPRCTC2L	
				9			0.00		0.0				0.00					
016 016	09 09	1 2	WHT		9	J25-38	S			9	3 8	J25-62		0.00		5	TPPRCTC2LS	
							0.00		0.0				0.00					
016 016	02 02	1 2	C		3 8	J25-39			5		9	J16-3		0.00		3	TPPRCT2L	
				9			0.00		0.0				0.00					
016 016	04 04	1 2	WHT		9	J25-39	S			9	3 8	J25-64		0.00		5	TPPRCT2LSH	
							0.00		0.0				0.00					
015 015	01 01	1 2	4 R		3 8	J25-41			5	A	9	J13-2		0.00		2	TPPTCTC1LR	
				9			0.00		2	0.0			0.00					
015 015	02 02	1 2	C		3 8	J25-42			5		9	J13-3		0.00		3	TPPTCTC1L	
				9			0.00		0.0				0.00					
015 015	04 04	1 2	WHT		9	J25-42	S			9	3 8	J25-67		0.00		5	TPPTCTC1LS	
							0.00		0.0				0.00					
014 014	11 11	1 2	4 R		3 8	J25-44			5	A	9	J12-2		0.00		2	TPPRCTC1LR	
				9			0.00		2	0.0			0.00					
014 014	12 12	1 2	C		3 8	J25-45			5		9	J12-3		0.00		3	TPPRCTC1L	
				9			0.00		0.0				0.00					

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST											DWG NO. SM-B-817301			PAGE 0020		
SHT	LN	C	WI	CLR	KY	NOTES	LOCATION	FROM	FIND	ROUTE	KY	NOTES	LOCATION	TO	FIND	GP	FUNCTION		
			FND	KSQ		1 2		S	LUG	SLV		1 2			H LUG				
			KCD			NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING		S	STP	FND		
						3 4 5		H		FER	3 4 5				H		FER		
014	14	1		WHT		9	J25-45	S				3 8	J25-70				5	TPPRCTC1LS	
014	14	2							0.00		0.0	9			0.00				
014	07	1		C		3 8	J25-46			5		9	J11-3			3		TPPRCT1L	
014	07	2			9				0.00		0.0				0.00				
014	09	1		WHT		9	J25-46	S				3 8	J25-72				5	TPPRCT1LSH	
014	09	2							0.00		0.0	9			0.00				
015	06	1	4	R		3 8	J25-47			5	A	9	J14-2			3		TPPBSC1L R	
015	06	2			9				0.00	2	0.0				0.00	2			
015	07	1		C		3 8	J25-48			5		9	J14-3			3		TPPBSC1L	
015	07	2			9				0.00		0.0				0.00				
015	09	1		WHT		9	J25-48	S				3 8	J25-74				5	TPPBSC1LSH	
015	09	2							0.00		0.0	9			0.00				
017	06	1	4	R		3 8	J25-5			5	A	9	J20-2			3		TPPTCT3L R	
017	06	2			9				0.00	2	0.0				0.00	2			
018	09	1		WHT		3 8	J25-50			5		9	J25-28	S				TPPTCTC3LS E	
018	09	2			9				0.00		0.0				0.00				
017	09	1		WHT		3 8	J25-52			5		9	J25-16	S				TPPTCT3LSH	
017	09	2			9				0.00		0.0				0.00				

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0021						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION		
				1	2			S	FIND			1	2		S	FIND				
				3	4	5		H LUG	SLV			S STP	FND		3	4	5		H	LUG
018 018	04 04	1 2		WHT	9	3	8	J25-54			5	0.0	0.0	9	J25-31	S			0.00	TPPRCTC3LS
017 017	14 14	1 2		WHT	9	3	8	J25-55			5	0.00	0.0	9	J25-32	S			0.00	TPPRCT3LSH
018 018	14 14	1 2		WHT	9	3	8	J25-57			5	0.00	0.0	9	J25-18	S			0.00	TPPBSC3LSH
016 016	14 14	1 2		WHT	9	3	8	J25-58			5	0.00	0.0	9	J25-35	S			0.00	TPPTCTC2LS
015 015	14 14	1 2		WHT	9	3	8	J25-60			5	0.00	0.0	9	J25-36	S			0.00	TPPTCT2LSH
016 016	09 09	1 2		WHT	9	3	8	J25-62			5	0.00	0.0	9	J25-38	S			0.00	TPPRCTC2LS
016 016	04 04	1 2		WHT	9	3	8	J25-64			5	0.00	0.0	9	J25-39	S			0.00	TPPRCT2LSH
017 017	04 04	1 2		WHT	9	3	8	J25-65			5	0.00	0.0	9	J25-22	S			0.00	TPPBSC2LSH
015 015	04 04	1 2		WHT	9	3	8	J25-67			5	0.00	0.0	9	J25-42	S			0.00	TPPTCTC1LS

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0022					
			WI FND KCD	CLR KSQ	KY	NOTES 1 2 NOTES 3 4 5	LOCATION MARKING	FROM S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH 3 4 5	KY	NOTES 1 2 NOTES	LOCATION MARKING	TO . S H S H	FIND LUG STP	SLV FND FER	GP SC	FUNCTION		
014 014	04 04	1 2		WHT		3 8	J25-68			5		0.0	0.0	9	J25-23	S		0.00			TPPTCT1LSH TPPTCT1LSH
018 018	11 11	1 2	4	R	9	3 8	J25-7			5 2	A	0.0	0.0	9	J24-2			0.00	2		TPPBSC3L R
014 014	14 14	1 2		WHT	9	3 8	J25-70			5		0.0	0.0	9	J25-45	S		0.00			TPPRCTC1LS
014 014	09 09	1 2		WHT	9	3 8	J25-72			5		0.0	0.0	9	J25-46	S		0.00			TPPRCT1LSH
015 015	09 09	1 2		WHT	9	3 8	J25-74			5		0.0	0.0	9	J25-48	S		0.00			TPPBSC1LSH
019 019	02 02	1 2		WHT		21	J27-1					0.0	0.0	20	J32-5			0.00			TA838RR TA838RR
019 019	07 07	1 2	12	RED		21	J27-10			14		0.0	0.0	20	J29-4			0.00	13		C1SDSVTRS
019 019	14 14	1 2		WHT		21	J27-11					0.0	0.0	20	J28-5			0.00			MPDSVTRR MPDSVTRR
019 019	10 10	1 2	12	RED		21	J27-12			14		0.0	0.0	20	J29-3			0.00	13		CISDSVTTS

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0023						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2	3		S	FIND	H			LUG	SLV		1	2	S		
	3	4	5	S	STP	FND	3	4	5	NOTES	MARKING	S	STP	FND	H	FER	SC	FUNCTION		
019 019	13 13	1 2	12	RED	21	J27-13				14	0.0	0.0	20	J28-4			0.00	13		MPDSVTRS
020 020	03 03	1 2		WHT	21	J27-15					0.00	0.0	20	J28-2			0.00			MPDSVTTR MPDSVTTR
020 020	02 02	1 2	12	RED	21	J27-16				14	0.00	0.0	20	J28-3			0.00	13		MPDSVTTS
020 020	06 06	1 2		WHT	21	J27-17					0.00	0.0	20	J30-2			0.00			1NT-COMOAR 1NT-COMOAR
020 020	05 05	1 2	12	RED	21	J27-18				14	0.00	0.0	20	J30-3			0.00	13		1NT-COMOAS
020 020	09 09	1 2		WHT	21	J27-19					0.00	0.0	20	J31-2			0.00			1NT-COMOBR 1NT-COMOBR
020 020	08 08	1 2	12	RED	21	J27-22				14	0.00	0.0	20	J31-3			0.00	13		1NT-COMOBS
019 019	01 01	1 2	12	RED	21	J27-3				14	0.00	0.0	20	J32-4			0.00	13		TA838RS
019 019	05 05	1 2		WHT	21	J27-5					0.00	0.0	20	J32-2			0.00			TA838TR TA838TR



Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0024						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY	NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION
				1	2	3		S	FIND	H			LUG	SLV		1	2	S		
	3	4	5	S	STP	FND	3	4	5	NOTES	MARKING	S	STP	FND	H	FER	SC	FUNCTION		
019 019	04 04	1 2	12	RED	21	J27-6				14	0.0	20	J32-3			0.00	13	TA838TS		
019 019	08 08	1 2		WHT	21	J27-7					0.00	20	J29-5			0.00		C1SDSVTRR C1SDSVTRR		
019 019	11 11	1 2		WHT	21	J27-9					0.00	20	J29-2			0.00		C1SDSVTTR C1SDSVTTR		
020 020	01 01	1 2		BLU		J28-1	S				0.00					0.00		SHIELD SHIELD		
020 020	04 04	1 2		BLU		J28-1	S				0.00					0.00		SHIELD SHIELD		
020 020	03 03	1 2		WHT	20	J28-2					0.00	21	J27-15			0.00		MPDSVTTR MPDSVTTR		
020 020	02 02	1 2	12	RED	20	J28-3				13	0.0	21	J27-16			0.00	14	MPDSVTTS		
019 019	13 13	1 2	12	RED	20	J28-4				13	0.0	21	J27-13			0.00	14	MPDSVT.S		
019 019	14 14	1 2		WHT	20	J28-5					0.00	21	J27-11			0.00		MPDSVTRR MPDSVTRR		

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0025					
			WI	CLR	KY	NOTES	LOCATION	FROM	FIND	ROUTE	KY	NOTES	LOCATION	TO .	FIND	GP	FUNCTION				
			FND			1 2		S	H	LUG	SLV		1 2		S	H	LUG	SLV		GP	FUNCTION
			KCD	KSQ	NOTES	MARKING	S	H	STP	FND	LENGTH	NOTES	MARKING	S	H	STP	FND	FER	SC	FUNCTION	
						3 4 5		H		FER	3 4 5			H		FER					
019	09	1		BLU			J29-1	S													SHIELD
019	09	2								0.00		0.0					0.00				SHIELD
019	12	1		BLU			J29-1	S													SHIELD
019	12	2								0.00		0.0					0.00				SHIELD
019	11	1		WHT	20		J29-2						21	J27-9							C1SDSVTTR
019	11	2								0.00		0.0					0.00				C1SDSVTTR
019	10	1	12	RED	20		J29-3						21	J27-12				14			C1SDSVTTS
019	10	2								0.00	13	0.0					0.00				
019	07	1	12	RED	20		J29-4						21	J27-10				14			C1SDSVTRS
019	07	2								0.00	13	0.0					0.00				
019	08	1		WHT	20		J29-5						21	J27-7							C1SDSVTRR
019	08	2								0.00		0.0					0.00				C1SDSVTRR
007	06	1		11	7 13		J3-1				A		7 13	J4-1							TPPTDIG2L
007	06	2			17					0.00		0.0					0.00				
007	07	1			7 13		J3-2						7 13	J4-2							TPPTDIG2LR
007	07	2								0.00		0.0					0.00				TPPTDIG2LR
007	08	1			7 13		J3-3						7 13	J4-3							TPPTDIG2LS
007	08	2								0.00		0.0					0.00				TPPTDIG2LS

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0026						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION	
				1	2			S	FIND	1		2	S		FIND	S	FIND			SLV
				3	4	5		H	LUG	FND		3	4		5	H	LUG			FND
020 020	07 07	1 2				J30-1	S			0.00									SHIELD SHIELD	
020 020	06 06	1 2		20		J30-2				0.00		21	J27-17						1NT-COMOAR 1NT-COMOAR	
020 020	05 05	1 2	12	RED	20	J30-3				0.00	13	0.00	21	J27-18			14		1NT-COMOAS	
020 020	10 09	1 2				J31-1	S			0.00									SHIELD 1NT-COMOBR	
020 020	09 09	1 2		WHT	20	J31-2				0.00		21	J27-19						1NT-COMOBR 1NT-COMOBR	
020 020	08 08	1 2	12	RED	20	J31-3				0.00	13	0.00	21	J27-22			14		1NT-COMOBS	
019 019	03 03	1 2				J32-1	S			0.00									SHIELD SHIELD	
019 019	06 06	1 2				J32-1	S			0.00									SHIELD SHIELD	
019 019	05 05	1 2		WHT	20	J32-2				0.00		21	J27-5						TA838TR TA838TR	

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0027				
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION
				1	2			S	FIND			1	2		S	FIND		
	3	4	5	S	STP	FER	3	4	5	S	STP	FER	S	STP	FER			
019 04 1 019 04 2	12	RED		20		J32-3							21	J27-6			14	TA838TS
							0.00	13	0.0							0.00		
019 01 1 019 01 2	12	RED		20		J32-4							21	J27-3			14	TA838RS
							0.00	13	0.0							0.00		
019 02 1 019 02 2		WHT		20		J32-5							21	J27-1				TA838RR TA838RR
							0.00		0.0							0.00		
007 06 1 007 06 2	11			7 13		J4-1			A		7 13	J3-1				0.00		TPPTDIG2L
							0.00		0.0	17						0.00		
007 07 1 007 07 2				7 13		J4-2					7 13	J3-2				0.00		TPPTDIG2LR TPPTDIG2LR
							0.00		0.0							0.00		
007 08 1 007 08 2				7 13		J4-3					7 13	J3-3				0.00		TPPTDIG2LS TPPTDIG2LS
							0.00		0.0							0.00		
007 11 1 007 11 2	11			7 13		J5-1			A		7 13	J6-1				0.00		TPPTDIG1E
							0.00		0.0	17						0.00		
007 12 1 007 12 2				7 13		J5-2					7 13	J6-2				0.00		TPPTDIG1ER TPPTDIG1ER
							0.00		0.0							0.00		
007 13 1 007 13 2				7 13		J5-3					7 13	J6-3				0.00		TPPTDIG1ES TPPTDIG1ES
							0.00		0.0							0.00		

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0028						
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION		
				1	2			S	FIND			1	2		S	FIND				
				3	4	5		H LUG	SLV	FND		3	4		5	S STP	FND		H	LUG
007 007	11 11	1 2	11			7 13	J6-1			A	7 13	J5-1					0.00			TPPTDIG1E
						17				0.0							0.00			
007 007	12 12	1 2				7 13	J6-2				7 13	J5-2					0.00			TPPTDIG1ER TPPTDIG1ER
										0.0							0.00			
007 007	13 13	1 2				7 13	J6-3				7 13	J5-3					0.00			TPPTDIG1ES TPPTDIG1ES
										0.0							0.00			
008 008	01 01	1 2	11			7 13	J7-1			A	7 13	J8-1					0.00		17	TPPTDIG2E
										0.0							0.00			
008 008	02 02	1 2				7 13	J7-2				7 13	J8-2					0.00			TPPTDIG2ER TPPTDIG2ER
										0.0							0.00			
008 008	03 03	1 2				7 13	J7-3				7 13	J8-3					0.00			TPPTDIG2ES TPPTDIG2ES
										0.0							0.00			
008 008	01 01	1 2	11			7 13	J8-1			A	7 13	J7-1					0.00		17	TPPTDIG2E
										0.0							0.00			
008 008	02 02	1 2				7 13	J8-2				7 13	J7-2					0.00			TPPTDIG2ER TPPTDIG2ER
										0.0							0.00			
008 008	03 03	1 2				7 13	J8-3				7 13	J7-3					0.00			TPPTDIG2ES TPPTDIG2ES
										0.0							0.00			

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0029			
	WI FND KCD	CLR KSQ	KY	NOTES		LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION
				1	2		S	FIND	1		2	S		FIND	SLV		
	3	4	5	S	STP	FND	3	4	5	NOTES	MARKING	S	STP	FND	SC	FUNCTION	
H	LUG	SLV	H	LUG	SLV	H	LUG	SLV	H	LUG	SLV	H	LUG	SLV	FER	FER	
009 009	11 11	1 2	4	R	9	3	8	J9-10		5	A	9	J19-5		3		TPPBSC2E R
									0.00	2	0.0			0.00	2		
010 010	01 01	1 2	4	R	9	3	8	J9-12		5	A	9	J10-5		3		TPPTCT1E R
									0.00	2	0.0			0.00	2		
009 009	02 02	1 2		C	9	3	8	J9-16		5		9	J20-4		3		TPPTCT3E
									0.00					0.00			
009 009	03 03	1 2		WHT		9		J9-16	S			9	J9-52			5	TPPTCT3ESH
									0.00		0.0			0.00			
010 010	06 06	1 2	4	R	9	3	8	J9-17		5	A	9	J21-5		3		TPPRCTE R
									0.00	2	0.0			0.00	2		
009 009	07 07	1 2		C	9	3	8	J9-18		5		9	J24-4		3		TPPBSC3E
									0.00		0.0			0.00			
009 009	08 08	1 2		WHT		9		J9-18	S			9	J9-57			5	TPPBSC3ESH
									0.00		0.0			0.00			
010 010	11 11	1 2	4	R	9	3	8	J9-19		5	A	9	J15-5		3		TPPTCT2E R
									0.00	2	0.0			0.00	2		
011 011	01 01	1 2	4	R	9	3	8	J9-21		5	A	9	J16-5		3		TPPRCT2E R
									0.00	2	0.0			0.00	2		

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST											DWG NO. SM-B-817301			PAGE 0030					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP SC	FUNCTION	
				1	2	3		S	FIND	1		2	S		FIND	S	FIND			GP
				4	5	H		LUG	SLV	1		2	H		LUG	S	STP			FND
3	4	5	S	STP	FND	3	4	5	NOTES	MARKING	H	FER	FER	SC	FUNCTION					
009 009	12 12	1 2		C	9	3 8	J9-22			5	0.0	0.0	9	J19-4			3	0.00		TPPBSC2E
009 009	13 13	1 2		WHT	9	3 8	J9-22	S			0.00	0.0	9 3 8	J9-65			0.00	5		TPPBSC2ESH
010 010	02 02	1 2		C	9	3 8	J9-23			5	0.00	0.0	9	J10-4			3	0.00		TPPTCT1E
010 010	03 03	1 2		WHT	9	3 8	J9-23	S			0.00	0.0	9 3 8	J9-68			0.00	5		TPPTCT1ESH
011 011	06 06	1 2	4	R	9	3 8	J9-25			5	0.00	2 0.0	9	J11-5			3	0.00	2	TPPRCT1E R
011 011	11 11	1 2	4	R	9	3 8	J9-27			5	0.00	2 0.0	9	J23-5			3	0.00	2	TPPTCTC3ER
011 011	12 12	1 2		C	9	3 8	J9-28			5	0.00	0.0	9	J23-4			3	0.00		TPPTCTC3E
011 011	13 13	1 2		WHT	9	3 8	J9-28	S			0.00	0.0	9 3 8	J9-50			5	0.00		TPPTCTC3ES
012 012	01 01	1 2	4	R	9	3 8	J9-30			5	0.00	2 0.0	9	J22-5			3	0.00	2	TPPRCTC3ER

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0031									
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION					
				1	2	3		S	FIND	1		2	S		FIND	S	FIND		GP				
				4	5	H		LUG	SLV	3		4	5		H	LUG	SLV		3	4	5	H	LUG
			3	4	5	S	STP	FND	3	4	5	NOTES		MARKING	S	STP	FND	H	FER	SC	FUNCTION		
012 012	02 02	1 2		C		9	3	8	J9-31			0.00	5	0.0	9		J22-4			0.00	3		TPPRCTC3E
012 012	03 03	1 2		WHT			9		J9-31	S		0.00		0.0	9	3	8	J9-54		0.00		5	TPPRCTC3ES
010 010	07 07	1 2		C		9	3	8	J9-32			0.00	5	0.0	9		J21-4			0.00	3		TPPRCTE
010 010	08 08	1 2		WHT			9		J9-32	S		0.00		0.0	9	3	8	J9-55		0.00		5	TPPRCTESH
012 012	06 06	1 2	4	R		9	3	8	J9-34			0.00	5	A 0.0	9		J18-5		0.00		3	2	TPPTCTC2ER
012 012	07 07	1 2		C		9	3	8	J9-35			0.00	5	0.0	9		J18-4			0.00	3		TPPTCTC2E
012 012	08 08	1 2		WHT			9		J9-35	S		0.00		0.0	9	3	8	J9-58		0.00		5	TPPTCTC2ES
010 010	12 12	1 2		C		9	3	8	J9-36			0.00	5	0.0	9		J15-4			0.00	3		TPPTCT2E
010 010	13 13	1 2		WHT			9		J9-36	S		0.00		0.0	9	3	8	J9-60		0.00		5	TPPTCT2ESH



Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0032					
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION	
				1	2	5		S	FIND	1		2	S		FIND	S	FIND		GP
	3	4	5	H	LUG	SLV	3	4	5	9	8	H	LUG	SLV	S	FIND	SC		
			NOTES				STP	FND			NOTES			STP	FND		FER		
012 012	11 11	1 2	4	R	9	3	8	J9-37			5	A	9	J17-5			3	2	TPPRCTC2ER
					0.00				2	0.0					0.00				
012 012	12 12	1 2		C	9	3	8	J9-38			5		9	J17-4			3		TPPRCTC2E
					0.00					0.0					0.00				
012 012	13 13	1 2		WHT	9			J9-38	S				3	8	J9-62			5	TPPRCTC2ES
					0.00					0.0		9			0.00				
011 011	02 02	1 2		C	9	3	8	J9-39			5		9	J16-4			3		TPPRCT2E
					0.00					0.0					0.00				
011 011	03 03	1 2		WHT	9			J9-39	S				3	8	J9-64			5	TPPRCT2ESH
					0.00					0.0		9			0.00				
013 013	01 01	1 2	4	R	9	3	8	J9-41			5	A	9	J13-5			3	2	TPPTCTC1ER
					0.00					2	0.0				0.00				
013 013	02 02	1 2		C	9	3	8	J9-42			5		9	J13-4			3		TPPTCTC1E
					0.00					0.0					0.00				
013 013	03 03	1 2		WHT	9			J9-42	S				3	8	J9-67			5	TPPTCTC1ES
					0.00					0.0		9			0.00				
013 013	06 06	1 2	4	R	9	3	8	J9-44			5	A	9	J12-5			3	2	TPPRCTC1ER
					0.00					2	0.0				0.00				

Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST											DWG NO. SM-B-817301			PAGE 0033			
	WI FND KCD	CLR KSQ	KY	NOTES			LOCATION MARKING	FROM			ROUTE LENGTH	KY NOTES		LOCATION MARKING	TO .			GP FUNCTION SC FUNCTION
				1	2			S	FIND			1	2		S	FIND		
				3	4	5		H LUG	SLV			3	4		5	H LUG	SLV	
							S STP	FND					S STP	FND				
							H	FER					H	FER				
013 013	07 07	1 2		C	9	3 8	J9-45			5	0.0	9	J12-4		3		TPPRCTC1E	
013 013	08 08	1 2		WHT	9		J9-45	S			0.0	9 3 8	J9-70		5 2		TPPRCTC1ES	
011 011	07 07	1 2		C	9	3 8	J9-46			5	0.0	9	J11-4		3		TPPRCT1E	
011 011	08 08	1 2		WHT	9		J9-46	S			0.0	9 3 8	J9-72		5		TPPRCT1ESH	
013 013	11 11	1 2	4	R	9	3 8	J9-47			5	0.0	9	J14-5		3 2		TPPBSC1E R	
013 013	12 12	1 2		C	9	3 8	J9-48			5	0.0	9	J14-4		3		TPPBSC1E	
013 013	13 13	1 2		WHT	9		J9-48	S			0.0	9 3 8	J9-74		5		TPPBSC1ESH	
009 009	01 01	1 2	4	R	9	3 8	J9-5			5	0.0	9	J20-5		3 2		TPPTCT3E R	
011 011	13 13	1 2		WHT	9	3 8	J9-50			5	0.0	9	J9-28	S			TPPTCTC3ES	



Table 5-17. TED/TDIG Patch Panel (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817301			PAGE 0035							
			WI	CLR	KY	NOTES			LOCATION	FROM			ROUTE	KY NOTES		LOCATION	TO .			GP	FUNCTION		
FND	KCD	KSQ	1	2		3	4	5	MARKING	S	H	LUG	SLV	LENGTH	1	2	MARKING	S	H	LUG	SLV	SC	FUNCTION
			3	4	5				S	H	STP	FND	3	4	5		S	H	STP	FND			
									H		FER						H		FER				
013	03	1						J9-67				5				9	J9-42	S					TPPTCTC1ES
013	03	2			9							0.00			0.0					0.00			
010	03	1						J9-68				5				9	J9-23	S					TPPTCT1ESH
010	03	2			9							0.00			0.0					0.00			
009	06	1	4	R				J9-7				5	A			9	J24-5			3			TPPBSC3E R
009	06	2			9							0.00		2	0.0					0.00	2		
013	08	1						J9-70				5				9	J9-45	S					TPPRCTC1ES
013	08	2			9							0.00			0.0					0.00			
011	08	1						J9-72				5				9	J9-46	S					TPPRCT1ESH
011	08	2			9							0.00			0.0					0.00			
013	13	1						J9-74				5				9	J9-48	S					TPPBSC1ESH
013	13	2			9							0.00			0.0					0.00			

**Table 5-18. TED/TDIG Patch Panel (CIS) Wire Run List Associated Parts List**

PARTS LIST		WRL-TED/TDIG, PP		PLSMB817301		PL REV -A	
ASSEMBLY PART NUMBER SMB817301							SHEET 2
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
* 1	15		80063	SMA838375-4		SLEEVE,SOLDER	
* 2	60		80063	SMA838515-1		SLEEVE,SOLDER	
* 3	60		80063	SMA838515-2		SLEEVE,SOLDER	
4	60	LF	81349	RG-108A/U	MIL-C-17/45	CABLE,RF,COAX	
5	70	IN	81349	CL1-.093IDYEL	MIL-I-23053/5	INSULATION SLVG	6
6	3	IN	81349	CL1-.375IDBLK	MIL-I-23053/5	INSULATION SLVG	6
7	REF			DELETE		DELETED ITEM	
8	REF		81349	M81511/15-20	MIL-C-81511/15	PLUG,SEALING	
9	REF		96906	MS90461A20-20	MIL-C-23216	CONTACT,ELEC	
10	AR		81348	SN60WRMAP2-063D	QQ-S-571	SOLDER,TIN ALLY	
* 11	8	LF	80063	SMA838752-1		CABLE,SPCL PRP	15
* 12	24	LF	80063	SMA838425-1		CABLE,SPCL PRP	15
* 13	8		80063	SMA838515-3		SLEEVE,SOLDER	
14	5	LF	81349	CL1-187IDYEL	MIL-I-23053/5	INSULATION SLVG	22

\* VENDOR ITEM-FOR PROCUREMENT OR PART NUMBER SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING

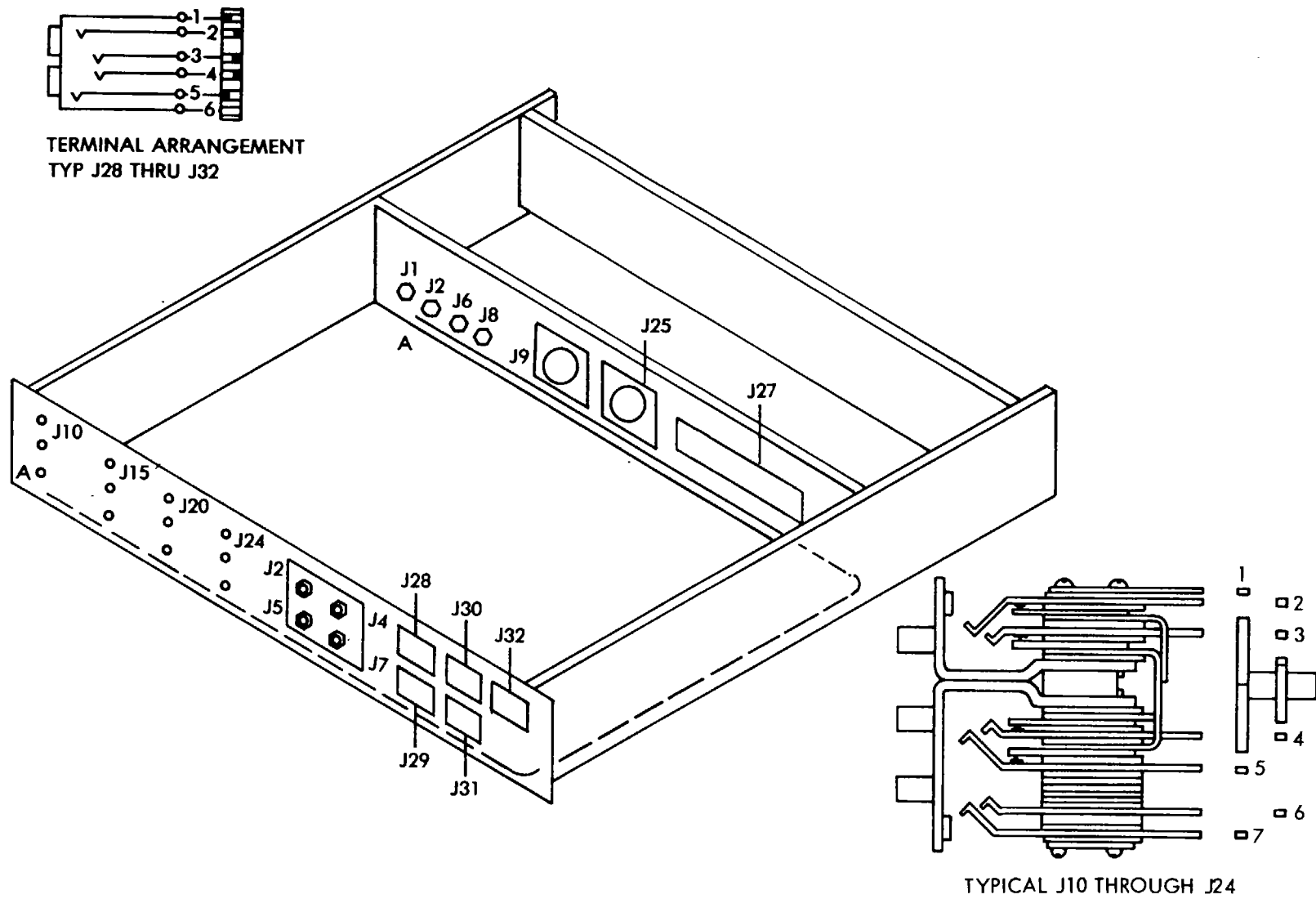
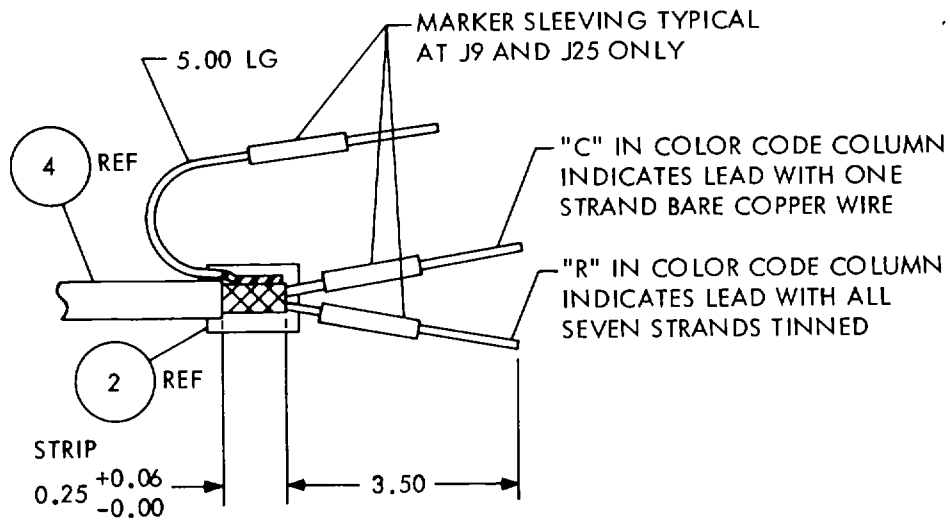


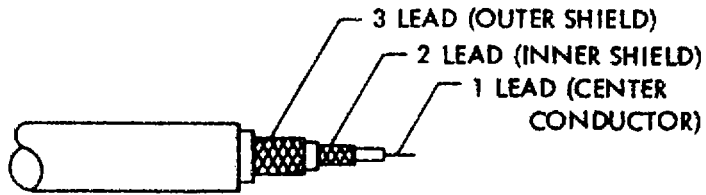
Figure 5-40. Component Orientation and Wire Routing.

EL40Y018



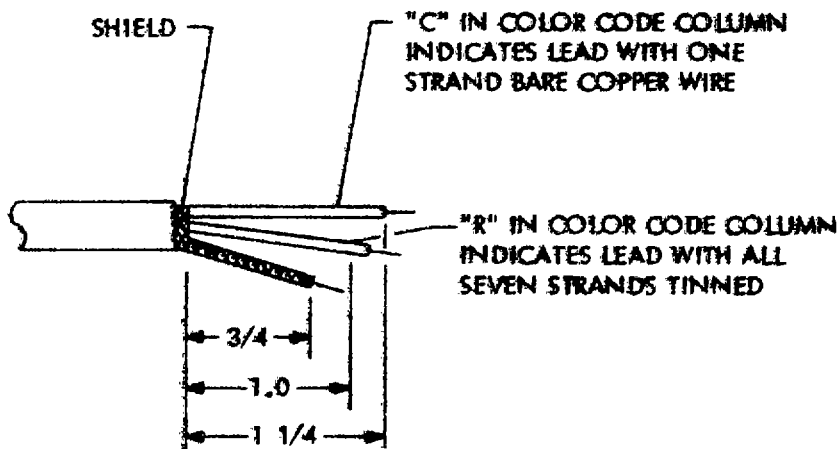
EL40Y019

Figure 5-41. Lead Termination.



EL40Y020

Figure 5-42. Wire Termination.



EL40Y021

Figure 5-43. Typical Termination for J2, J4, J5 and J7



**Table 5-19. Circuit Breaker Panel Assembly (CIS) Redundant Cable Run List**

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**NOTES:**

1. Workmanship per MIL-STD-454, Requirement 9, shall be complied with.
  2. Partial reference designations are shown. For complete designations, prefix with unit number or assembly or subassembly designations as applicable.
  3. Termination marking required. Hot-stamp per MIL-M-81531, black characters, centrally located. Marking to be the same as indicated in the applicable Location column unless otherwise specified.
  4. Solder per MIL-STD-454, Requirement 5.
  5. All wires to be routed point to point.
  6. Quantity in feet.
  7. Quantity in inches, cut to 3/4-inch lengths unless otherwise specified.
  8. To interpret data contained in this wire run list, see paragraph 5-3.
  9. For location and orientation of components see figure 5-44.
  10. Strip and tin. Do not wrap lead around terminal screw.
  11. Color coding required, locate sleeving Find No. 18 and termination marker per figure 5-45. Cut sleeving to 4.0-inch length.
  12. Color coding shall be solid color; alternate may be white wire with colored band marker in accordance with MIL-STD-681B and figure 5-45. Alternate construction shall be applicable to wire SMA-838551 and to M5086-type wire.
-

Table 5-19. Circuit Breaker Panel Assembly (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817062			PAGE 0001					
	WI FND KCD	CLR KSQ	FROM .....					S H S H	FIND LUG STP	SLV FND FER	ROUTE LENGTH	TO .....					GP SC	FUNCTION	
			KY	NOTES		LOCATION MARKING	KY					NOTES		LOCATION MARKING	S	FIND			SLV
				1	2							1	2						
005 005	13 13	1 2	12 12	RED RED	3 3	CB10-1	7 0.00	4	0.0	3	CB5-3	7 0.00	4	PHASE B PHASE B					
006 006	09 09	1 2	2 2	RED RED	3 3	CB17-1	6 0.00	3	0.0	3	CB25-1	6 0.00	3	+28VDC +28VDC					
007 007	13 13	1 2	2 2	RED RED	3 3	CB22-3	6 0.00	3	0.0	3	CB23-3	6 0.00	3	CB15-3 CB15-3					
008 008	01 01	1 2	2 2	RED RED	3 3	CB22-3	6 0.00	3	0.0	3	CB25-5	6 0.00	3	CB15-3 CB15-3					
008 008	03 03	1 2	13 13	BLK BLK	3 3	CB22-4	6 0.00	3	0.0	3	CB23-4	6 0.00	3	DCRTN DCRTN					
008 008	05 05	1 2	13 13	BLK BLK	3 3	CB22-4	6 0.00	3	0.0	3	CB29-4	6 0.00	3	DCRTN DCRTN					
007 007	13 13	1 2	2 2	RED RED	3 3	CB23-3	6 0.00	3	0.0	3	CB22-3	6 0.00	3	CB15-3 CB15-3					
008 008	09 09	1 2	2 2	RED RED	3 3	CB23-3	6 0.00	3	0.0	3	CB24-3	6 0.00	3	CB15-3 CB15-3					
008 008	03 03	1 2	13 13	BLK BLK	3 3	CB23-4	6 0.00	3	0.0	3	CB22-4	6 0.00	3	DCRTN DCRTN					

Table 5-19. Circuit Breaker Panel Assembly (CIS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817062			PAGE 0002			
SHT	LN	C	FROM					TO					S	FIND		GP	FUNCTION		
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES		LOCATION	H			LUG	SLV
			FND			1	2		H	LUG	SLV	1	2		H	LUG	SLV		
			KCD	KSQ		3	4	5	S	STP	FND	3	4	5	S	STP	FND	SC	FUNCTION
									H		FER				H		FER		
008	11	1	13	BLK		3		CB23-4		6	3					6	3		DCRTN
008	11	2							0.00			0.00				0.00			DCRTN
008	09	1	2	RED		3		CB24-3		6	3					6	3		CB15-3
008	09	2							0.00			0.00				0.00			CB15-3
008	11	1	13	BLK		3		CB24-4		6	3					6	3		DCRTN
008	11	2							0.00			0.00				0.00			DCRTN
006	09	1	2	RED		3		CB25-1		6	3					6	3		+28VDC
006	09	2							0.00			0.00				0.00			+28VDC
005	03	1	5	BLU		3		CB25-3		7	4					7	4		PHASE C
005	03	2							0.00			0.00				0.00			PHASE C
008	01	1	2	RED		3		CB25-5		6	3					6	3		CB15-3
008	01	2							0.00			0.00				0.00			CB15-3
009	01	1	2	RED		3		CB25-5		6	3					6	3		CB15-3
009	01	2							0.00			0.00				0.00			CB15-3
009	03	1	13	BLK		3		CB25-6		6	3								DCRTN
009	03	2							0.00			0.00				0.00			DCRTN
009	05	1	13	BLK		3		CB25-7								6	3		TRIP
009	05	2							0.00			0.00				0.00			TRIP

Table 5-19. Circuit Breaker Panel Assembly (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817062			PAGE 0003					
	WI FND KCD	CLR KSQ	FROM .....					S H S H	FIND LUG STP	ROUTE SLV FND FER	LENGTH	TO .....					GP SC	FUNCTION	
			KY	NOTES		LOCATION MARKING	KY					NOTES		LOCATION MARKING					
				1	2							1	2		3	4			5
009 03 1 009 03 2	13	BLK	3			CB25-9			0.00	0.0	3			CB25-6			6	3	DCRTN DCRTN
009 07 1 009 07 2	2	RED	3			CB26-1		6	0.00	3	0.00	3		CB26-3			6	3	+28V +28V
009 07 1 009 07 2	2	RED	3			CB26-3		6	0.00	3	0.00	3		CB26-1			6	3	+28V +28V
009 05 1 009 05 2	13	BLK	3			CB26-4		6	0.00	3	0.00	3		CB25-7					TRIP TRIP
009 09 1 009 09 2	13	BLK	3			CB26-4		6	0.00	3	0.00	3		CB27-4			6	3	TRIP TRIP
009 13 1 009 13 2	2	RED	3			CB27-1		6	0.00	3	0.00	3		CB27-3			6	3	+28V +28V
009 13 1 009 13 2	2	RED	3			CB27-3		6	0.00	3	0.00	3		CB27-1			6	3	+28V +28V
009 09 1 009 09 2	13	BLK	3			CB27-4		6	0.00	3	0.00	3		CB26-4			6	3	TRIP TRIP
010 01 1 010 01 2	2	RED	3			CB28-3		6	0.00	3	0.00	3		CB29-3			6	3	CB15-3 CB15-3

Table 5-19. Circuit Breaker Panel Assembly (CIS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817062			PAGE 0004					
SHT	LN	C	FROM .....										TO .....								
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
			FND			1	2		H	LUG	SLV		1	2		H	LUG	SLV			
			KCD	KSQ		NOTES	MARKING		S	STP	FND	LENGTH	NOTES	MARKING		S	STP	FND	SC	FUNCTION	
						3	4	5	H		FER		3	4	5	H		FER			
010	03	1	2	RED		3	CB28-3			6	3		3	CB30-3			6	3		CB15-3	
010	03	2								0.00		0.0					0.00			CB15-3	
010	05	1	13	BLK		3	CB28-4			6	3		3	CB29-4			6	3		DCRTN	
010	05	2								0.00		0.0					0.00			DCRTN	
010	07	1	13	BLK		3	CB28-4			6	3		3	CB30-4			6	3		DCRTN	
010	07	2								0.00		0.0					0.00			DCRTN	
009	01	1	2	RED		3	CB29-3			6	3		3	CB25-5			6	3		CB15-3	
009	01	2								0.00		0.0					0.00			CB15-3	
010	01	1	2	RED		3	CB29-3			6	3		3	CB28-3			6	3		CB15-3	
010	01	2								0.00		0.0					0.00			CB15-3	
008	05	1	13	BLK		3	CB29-4			6	3		3	CB22-4			6	3		DCRTN	
008	05	2								0.00		0.0					0.00			DCRTN	
010	05	1	13	BLK		3	CB29-4			6	3		3	CB28-4			6	3		DCRTN	
010	05	2								0.00		0.0					0.00			DCRTN	
010	03	1	2	RED		3	CB30-3			6	3		3	CB28-3			6	3		CB15-3	
010	03	2								0.00		0.0					0.00			CB15-3	
010	11	1	2	RED		3	CB30-3			6	3		3	CB31-3			6	3		CB15-3	
010	11	2								0.00		0.0					0.00			CB15-3	

Table 5-19. Circuit Breaker Panel Assembly (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817062			PAGE 0005			
	WI FND KCD	CLR KSQ	FROM .....					S H S H	FIND LUG STP	ROUTE LENGTH	TO .....					GP SC	FUNCTION
			KY	NOTES		LOCATION MARKING	KY				NOTES		LOCATION MARKING				
				1	2						1	2		3	4		
010 07 1 010 07 2	13	BLK		3		CB30-4		6 0.00	3	0.0	3		CB28-4		6 0.00	3	DCRTN DCRTN
010 13 1 010 13 2	13	BLK		3		CB30-4		6 0.00	3	0.0	3		CB31-4		6 0.00	3	DCRTN DCRTN
010 11 1 010 11 2	2	RED		3		CB31-3		6 0.00	3	0.0	3		CB30-3		6 0.00	3	CB15-3 CB15-3
010 13 1 010 13 2	13	BLK		3		CB31-4		6 0.00	3	0.0	3		CB30-4		6 0.00	3	DCRTN DCRTN
005 03 1 005 03 2	5	BLU		3		CB4-1		7 0.00	4	0.0	3		CB25-3		7 0.00	4	PHASE C PHASE C
005 01 1 005 01 2	5	BLU		3		CB4-1		7 0.00	4	0.0	3		CB5-7		7 0.00	4	PHASE C PHASE C
005 05 1 005 05 2	15	BLK		3		CB4-2		6 0.00	3	0.0	3 10		J36-BRS		0.00	3	115VAC 115VAC
005 13 1 005 13 2	12	RED		3		CB5-3		7 0.00	4	0.0	3		CB10-1		7 0.00	4	PHASE B PHASE B
006 01 1 006 01 2	5	BLU		3		CB5-5		7 0.00	4	0.0	3		CB5-7		7 0.00	4	PHASE C PHASE C

Table 5-19. Circuit Breaker Panel Assembly (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817062			PAGE 0006			
	WI FND KCD	CLR KSR	FROM .....					S H S H	FIND LUG STP	ROUTE LENGTH	TO .....					GP SC	FUNCTION
			KY	NOTES		LOCATION MARKING	KY				NOTES		LOCATION MARKING				
				1	2						1	2		3	4		
005 005	01 01	1 2	5	BLU	3		CB5-7	7 0.00	4	0.0	3		CB4-1	7 0.00	4	PHASE C PHASE C	
006 006	01 01	1 2	5	BLU	3		CB5-7	7 0.00	4	0.0	3		CB5-5	7 0.00	4	PHASE C PHASE C	
011 011	13 11	1 2	17	WHT	3	11	E22	7 0.00	4	0.0	3	11	E49	7 0.00	4	GND	
011 011	01 01	1 2	14	GRN	3		E22	6 0.00	3	0.0	3		J37-GRN	8 0.00	3	GND GND	
011 011	13 11	1 2	17	WHT	3	11	E49	7 0.00	4	0.0	3	11	E22	7 0.00	4	GND	
005 005	05 05	1 2	15	BLK	3	10	J36-BRS		3	0.0	3		CB4-2	6 0.00	3	115VAC 115VAC	
011 011	03 03	1 2	15	BLK	3	10	J36-BRS		3	0.0	3	10	J37-BRS	3 0.00		115VAC 115VAC	
011 011	07 07	1 2	14	GRN	3		J36-GRN	8 0.00	3	0.0	3		J37-GRN	8 0.00	3	GND GND	
011 011	05 05	1 2	1	WHT	3	10	J36-SIL		3	0.0	3	10	J37-SIL	3 0.00		NEUTRAL NEUTRAL	

Table 5-19. Circuit Breaker Panel Assembly (CIS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817062			PAGE 0007		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
011	03	1	15	BLK		3	10	J37-BRS										
011	03	2							0.00	3				3	115VAC			
										0.00					115VAC			
011	01	1	14	GRN		3		J37-GRN										
011	01	2							0.00	8				3	GND			
										0.00					GND			
011	07	1	14	GRN		3		J37-GRN										
011	07	2							0.00	8				3	GND			
										0.00					GND			
011	05	1	1	WHT		3	10	J37-SIL										
011	05	2							0.00	3				3	NEUTRAL			
										0.00					NEUTRAL			
011	09	1	1	WHT		3		T1-X2										
011	09	2							0.00	8				3				
										0.00								
011	09	1	1	WHT		3		T2-X2										
011	09	2							0.00	8				3				
										0.00								
011	11	1	1	WHT		3		T2-X2										
011	11	2							0.00	8				3				
										0.00								
011	11	1	1	WHT		3		T3-X2										
011	11	2							0.00	8				3				
										0.00								

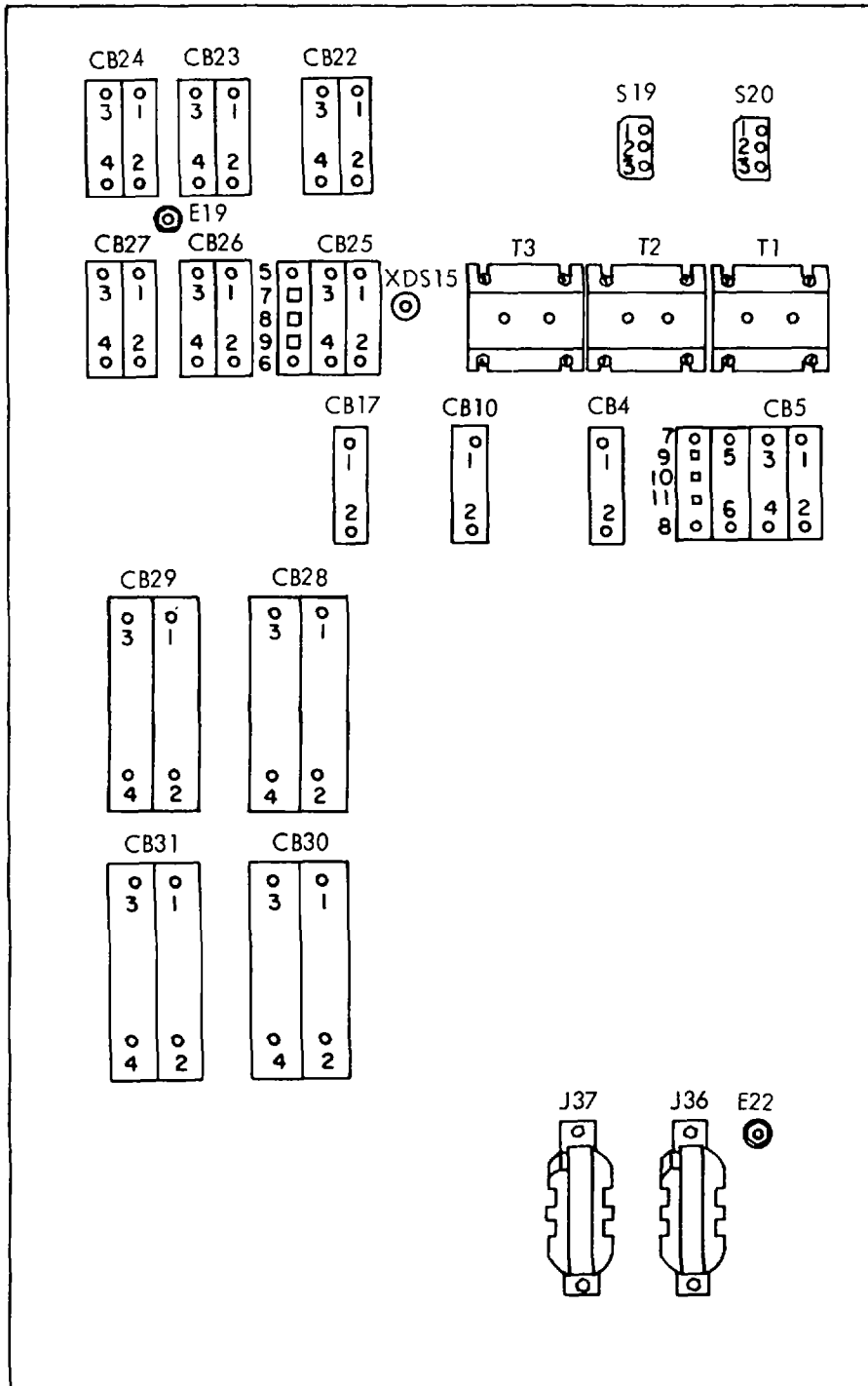


Table 5-20. Circuit Breaker Panel Assembly (CIS) Redundant Cable Run List Associated Parts List

PARTS LIST		WRL-CBPNLASSYCI		PLSMB817062		PL REV -A	
ASSEMBLY PART NUMBER SMB817062							SHEET 2
FIND NO.	QTY REQD	UNIT MEAS	FSCM	PART OR IDENTIFYING NO.	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	NOTE NO.
1	2	LF	81349	TYPEE14AWGWHT	MIL-W-16878/4	WIRE,ELECTRICAL	6
2	14	LF	81349	TYPEE16AWGRED	MIL-W-16878/4	WIRE,ELECTRICAL	6
3	38	IN	81349	CL1-.125IDYEL	MIL-I-23053/5	INSULATION SLVG	7
4	10	IN	81349	CL1-.375IDYEL	MIL-I-23053/5	INSULATION SLVG	7
5	3	LF	81349	M5086-2-8-6	MIL-W-5086/2	WIRE,ELECTRICAL	6
6	38		96906	MS25036-108	MIL-T-7928	TERMINAL,LUG	
7	10		96906	MS25036-115	MIL-T-7928	TERMINAL,LUG	
8	7		96906	MS25036-153	MIL-T-7928	TERMINAL,LUG	
9	REF			DELETE		DELETED ITEM	
10	AR		81348	SN60WRMAP2-063D	QQ-S-571	SOLDER,TIN ALLY	
11	REF			DELETE		DELETED ITEM	
12	2	LF	81349	M5086-2-8-2	MIL-W-5086/2	WIRE,ELECTRICAL	6
13	5	LF	81349	TYPEE16AWGBLK	MIL-W-16878/4	WIRE,ELECTRICAL	6
14	2	LF	81349	TYPEE14AWGGRN	MIL-W-16878/4	WIRE,ELECTRICAL	6
15	1	LF	81349	TYPEE14AWGBLK	MIL-W-16878/4	WIRE,ELECTRICAL	6
16	REF			DELETE		DELETED ITEM	
* 17	2	LF	80063	SMA838551-3		WIRE,ELEC,HKUP	6
18	8	IN	81349	CL1-375IDGRN	MIL-I-23053/5	INSULATION SLVG	7

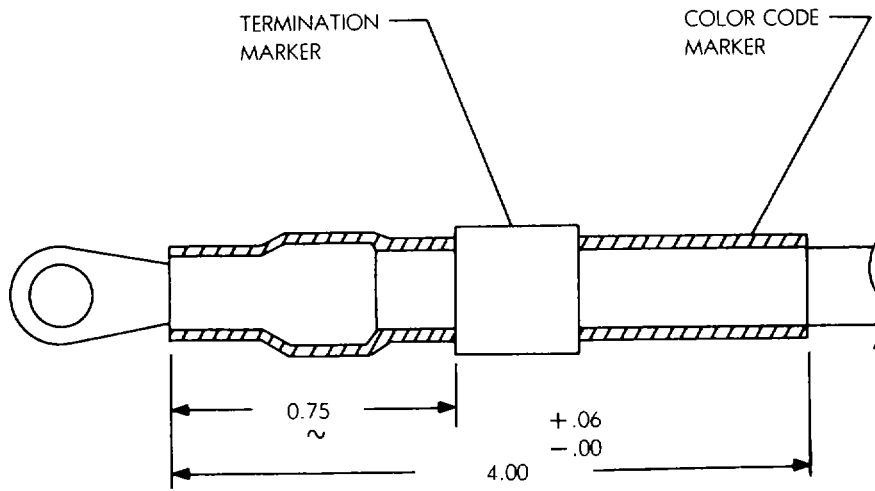
\* VENDOR ITEM-FOR PROCUREMENT OR PART NUMBER SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING

TOP



EL4OY023

Figure 5-44. Component Orientation and Location, Wiring Side.



EL8EW021

Figure 5-45. Shield Termination.

5-2057

**Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List**

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**NOTES:**

1. Workmanship per MIL-STD-454, Requirement 9, shall be complied with.
  2. Partial reference designations are shown. For complete designations, prefix with unit number or assembly or subassembly designations as applicable.
  3. Termination marking required. Hot-stamp per MIL-M-81531, black characters, centrally located. Marking to be the same as indicated in the applicable Location column unless otherwise specified.
  4. Solder per MIL-STD-454, Requirement 5.
  5. All wires to be routed point to point.
  6. Quantity in feet.
  7. Quantity in inches, cut to 3/4-inch lengths unless otherwise specified.
  8. To interpret data contained in this wire run list, see paragraph 5-3.
  9. For location and orientation of components see figure 5-46.
  10. Contacts, Find No. 9; Crimp Tool, M22520/1-01; Positioner, M22520/1-02; Insertion Tool, MS24256A16; Extraction Tool, MS24256R16.
  11. Install contact, Find No. 9, in unwired contact location of XK2.
  12. Strip and tin. Do not wrap lead around terminal screw.
  13. Color coding required. Locate sleeving, Find No. 16, and termination marker per figure 5-47. Cut sleeving to 4.0-inch length.
  14. Color coding shall be solid color; alternate may be white wire with colored band marker in accordance with MIL-STD-681B and figure 5-47. Alternate construction shall be applicable to wire SMA-838551 and to M5086-type wire.
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Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817062			PAGE 0005		
SHT	LN	C	FROM .....										TO .....					
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION	
			FND			1	2	H	LUG	SLV	1	2		H	LUG	SLV		
			KCD	KSQ	NOTES	MARKING		S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC	FUNCTION
					3	4	5	H		FER		3	4	5	H		FER	
005	11	1	1	RED	3		CB17-1		8	3		3	CB22-3		8	3		+28VDC
005	11	2							0.00		0.0				0.00			+28VDC
006	05	1	1	RED	3		CB18-1		8	3		3	CB18-3		8	3		+28V
006	05	2							0.00		0.0				0.00			+28V
006	05	1	1	RED	3		CB18-3		8	3		3	CB18-1		8	3		+28V
006	05	2							0.00		0.0				0.00			+28V
006	07	1	12	BLK	3		CB18-4		8	3		3	CB19-4		8	3		TRIP A
006	07	2							0.00		0.0				0.00			TRIP A
006	09	1	12	BLK	3		CB18-4		8	3		3	XK2-A3		9	3		TRIP A
006	09	2							0.00		0.0				0.00			TRIP A
006	11	1	1	RED	3		CB19-1		8	3		3	B19-3		8	3		+28V
006	11	2							0.00		0.0				0.00			+28V
006	11	1	1	RED	3		CB19-3		8	3		3	CB19-1		8	3		+28V
006	11	2							0.00		0.0				0.00			+28V
006	07	1	12	BLK	3		CB19-4		8	3		3	CB18-4		8	3		TRIP A
006	07	2							0.00		0.0				0.00			TRIP A
006	13	1	12	BLK	3		CB19-4		8	3		3	CB20-4		8	3		TRIP A
006	13	2							0.00		0.0				0.00			TRIP A

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0002			
SHT	LN	C	WI	CLR	FROM			S	FIND		ROUTE	TO			S	FIND		GP	FUNCTION
			FND		KY	NOTES	LOCATION	H	LUG	SLV		KY	NOTES	LOCATION	H	LUG	SLV		
			KCD	KSQ		1 2	MARKING	S	STP	FND	LENGTH		1 2	MARKING	S	STP	FND	SC	FUNCTION
						3 4 5		H		FER			3 4 5		H		FER		
007	01	1	1	RED		3	CB20-1		8	3			3	CB20-3		8	3		+28V
007	01	2							0.00		0.0					0.00			+28V
007	01	1	1	RED		3	CB20-3		8	3			3	CB20-1		8	3		+28V
007	01	2							0.00		0.0					0.00			+28V
006	13	1	12	BLK		3	CB20-4		8	3			3	CB19-4		8	3		TRIP A
006	13	2							0.00		0.0					0.00			TRIP A
007	03	1	12	BLK		3	CB20-4		8	3			3	CB21-4		8	3		TRIP A
007	03	2							0.00		0.0					0.00			TRIP A
007	05	1	1	RED		3	CB21-1		8	3			3	CB21-3		8	3		+28V
007	05	2							0.00		0.0					0.00			+28V
007	05	1	1	RED		3	CB21-3		8	3			3	CB21-1		8	3		+28V
007	05	2							0.00		0.0					0.00			+28V
007	03	1	12	BLK		3	CB21-4		8	3			3	CB20-4		8	3		TRIP A
007	03	2							0.00		0.0					0.00			TRIP A
007	07	1	12	BLK		3	CB21-4		8	3			3	CB25-4		8	3		TRIP A
007	07	2							0.00		0.0					0.00			TRIP A
007	09	1	1	RED		3	CB22-1		8	3			3	CB22-3		8	3		+28V
007	09	2							0.00		0.0					0.00			+28V

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0003					
SHT	LN	C	FROM .....										TO .....								
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
			FND			1	2		H	LUG	SLV		1	2		H	LUG	SLV			
			KCD	KSQ		NOTES	MARKING		S	STP	FND	LENGTH	NOTES	MARKING		S	STP	FND	SC	FUNCTION	
						3	4	5	H		FER		3	4	5	H		FER			
005	11	1	1	RED		3		CB22-3			8	3		3				8	3		+28VDC
005	11	2								0.00		0.0						0.00			+28VDC
007	09	1	1	RED		3		CB22-3			8	3		3				8	3		+28V
007	09	2								0.00		0.0						0.00			+28V
007	11	1	12	BLK		3		CB22-4			8	3		3				8	3		TRIP A
007	11	2								0.00		0.0						0.00			TRIP A
007	13	1	12	BLK		3		CB22-4			8	3		3				8	3		TRIP A
007	13	2								0.00		0.0						0.00			TRIP A
008	01	1	1	RED		3		CB23-1			8	3		3				8	3		+28V
008	01	2								0.00		0.0						0.00			+28V
008	01	1	1	RED		3		CB23-3			8	3		3				8	3		+28V
008	01	2								0.00		0.0						0.00			+28V
007	11	1	12	BLK		3		CB23-4			8	3		3				8	3		TRIP A
007	11	2								0.00		0.0						0.00			TRIP A
008	03	1	12	BLK		3		CB23-4			8	3		3				8	3		TRIP A
008	03	2								0.00		0.0						0.00			TRIP A
008	05	1	1	RED		3		CB24-1			8	3		3				8	3		+28V
008	05	2								0.00		0.0						0.00			+28V

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0004		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
008	05	1	1	RED	3		CB24-3	8	3				8	3	+28V			
008	05	2				0.00		0.00	3	CB24-1			0.00		+28V			
008	03	1	12	BLK	3		CB24-4	8	3				8	3	TRIP A			
008	03	2				0.00		0.00	3	CB23-4			0.00		TRIP A			
008	07	1	12	BLK	3		CB24-4	8	3				8	3	TRIP A			
008	07	2				0.00		0.00	3	CB25-4			0.00		TRIP A			
008	09	1	1	RED	3		CB25-1	8	3				8	3	+28V			
008	09	2				0.00		0.00	3	CB25-3			0.00		+28V			
008	09	1	1	RED	3		CB25-3	8	3				8	3	+28V			
008	09	2				0.00		0.00	3	CB25-1			0.00		+28V			
007	07	1	12	BLK	3		CB25-4	8	3				8	3	TRIP A			
007	07	2				0.00		0.00	3	CB21-4			0.00		TRIP A			
008	07	1	12	BLK	3		CB25-4	8	3				8	3	TRIP A			
008	07	2				0.00		0.00	3	CB24-4			0.00		TRIP A			
008	11	1	1	RED	3		CB26-1	8	3				8	3	+28V			
008	11	2				0.00		0.00	3	CB26-3			0.00		+28V			
008	11	1	1	RED	3		CB26-3	8	3				8	3	+28V			
008	11	2				0.00		0.00	3	CB26-1			0.00		+28V			



Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0005			
SHT	LN	C	FROM					TO					S	FIND		GP	FUNCTION		
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES		LOCATION	H			LUG	SLV
			FND	KSQ		1	2		H	LUG	SLV	1	2		H	LUG	SLV	SC	
			KCD			3	4	5	S	STP	FND	3	4	5	H		FND		
									H		FER						FER		
008	13	1	12	BLK		3		CB26-4		8	3					8	3		TRIP A
008	13	2							0.00			0.00				0.00			TRIP A
009	01	1	12	BLK		3		CB26-4		8	3					8	3		TRIP A
009	01	2							0.00			0.00				0.00			TRIP A
009	03	1	1	RED		3		CB27-1		8	3					8	3		+28V
009	03	2							0.00			0.00				0.00			+28V
009	03	1	1	RED		3		CB27-3		8	3					8	3		+28V
009	03	2							0.00			0.00				0.00			+28V
008	13	1	12	BLK		3		CB27-4		8	3					8	3		TRIP A
008	13	2							0.00			0.00				0.00			TRIP A
009	05	1	12	BLK		3		CB27-4		8	3					8	3		TRIP A
009	05	2							0.00			0.00				0.00			TRIP A
009	07	1	1	RED		3		CB28-1		8	3					8	3		+28V
009	07	2							0.00			0.00				0.00			+28V
009	07	1	1	RED		3		CB28-3		8	3					8	3		+28V
009	07	2							0.00			0.00				0.00			+28V
009	05	1	12	BLK		3		CB28-4		8	3					8	3		TRIP A
009	05	2							0.00			0.00				0.00			TRIP A

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0006			
SHT	LN	C	FROM					TO					S	FIND		GP	FUNCTION		
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES		LOCATION	H			LUG	SLV
			FND	KSQ		1	2		H	LUG	SLV	1	2		H	LUG	SLV	SC	FUNCTION
			KCD			3	4	5	S	STP	FND	3	4	5	H		FND		
									H		FER						FER		
009	09	1	12	BLK		3				8	3					8	3		TRIP A
009	09	2								0.00						0.00			TRIP A
009	11	1	1	RED		3				8	3					8	3		+28V
009	11	2								0.00						0.00			+28V
009	11	1	1	RED		3				8	3					8	3		+28V
009	11	2								0.00						0.00			+28V
009	09	1	12	BLK		3				8	3					8	3		TRIP A
009	09	2								0.00						0.00			TRIP A
009	13	1	1	RED		3				8	3					8	3		+28V
009	13	2								0.00						0.00			+28V
009	13	1	1	RED		3				8	3					8	3		+28V
009	13	2								0.00						0.00			+28V
007	13	1	12	BLK		3				8	3					8	3		TRIP A
007	13	2								0.00						0.00			TRIP A
009	01	1	12	BLK		3				8	3					8	3		TRIP A
009	01	2								0.00						0.00			TRIP A
010	01	1	1	RED		3				8	3					8	3		+28V
010	01	2								0.00						0.00			+28V

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0007		
			FROM					TO										
WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION				
FND			1 2		H	LUG	SLV		1 2		H	LUG	SLV					
KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC				
			3 4 5		H		FER		3 4 5		H		FER					
010	01	1	1	RED	3			CB31-3	8	3				3	+28V			
010	01	2							0.00					0.00	+28V			
010	03	1	12	BLK	3			CB31-4	8	3				3	TRIP B			
010	03	2							0.00					0.00	TRIP B			
010	05	1	12	BLK	3			CB31-4	8	3				3	TRIP B			
010	05	2							0.00					0.00	TRIP B			
010	07	1	1	RED	3			CB32-1	8	3				3	+28V			
010	07	2							0.00					0.00	+28V			
010	07	1	1	RED	3			CB32-3	8	3				3	+28V			
010	07	2							0.00					0.00	+28V			
010	03	1	12	BLK	3			CB32-4	8	3				3	TRIP B			
010	03	2							0.00					0.00	TRIP B			
010	09	1	12	BLK	3			CB32-4	8	3				3	TRIP B			
010	09	2							0.00					0.00	TRIP B			
010	11	1	1	RED	3			CB33-1	8	3				3	+28V			
010	11	2							0.00					0.00	+28V			
010	11	1	1	RED	3			CB33-3	8	3				3	+28V			
010	11	2							0.00					0.00	+28V			

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0008			
SHT	LN	C	FROM					TO					S	FIND		GP	FUNCTION		
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES		LOCATION	H			LUG	SLV
			FND	KSQ		1	2		H	LUG	SLV	1	2		H	LUG	SLV		
			KCD			3	4	5	S	STP	FND	3	4	5	H	STP	FND	SC	FUNCTION
									H		FER						FER		
010	05	1	12	BLK		3				8	3					8	3		TRIP B
010	05	2								0.00						0.00			TRIP B
010	13	1	12	BLK		3				8	3					8	3		TRIP B
010	13	2								0.00						0.00			TRIP B
011	01	1	1	RED		3				8	3					8	3		+28V
011	01	2								0.00						0.00			+28V
011	01	1	1	RED		3				8	3					8	3		+28V
011	01	2								0.00						0.00			+28V
011	03	1	12	BLK		3				8	3					8	3		TRIP B
011	03	2								0.00						0.00			TRIP B
011	05	1	12	BLK		3				8	3					8	3		TRIP B
011	05	2								0.00						0.00			TRIP B
011	07	1	1	RED		3				8	3					8	3		+28V
011	07	2								0.00						0.00			+28V
011	07	1	1	RED		3				8	3					8	3		+28V
011	07	2								0.00						0.00			+28V
011	03	1	12	BLK		3				8	3					8	3		TRIP B
011	03	2								0.00						0.00			TRIP B

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0009			
SHT	LN	C	FROM					TO					S	FIND		GP	FUNCTION		
			WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES		LOCATION	H			LUG	SLV
			FND			1	2		H	LUG	SLV	1	2		H	LUG	SLV		
			KCD	KSQ		3	4	5	S	STP	FND	3	4	5	S	STP	FND	SC	FUNCTION
									H		FER				H		FER		
011	09	1	12	BLK		3				8	3					8	3		TRIP B
011	09	2								0.00				0.0		0.00			TRIP B
011	11	1	1	RED		3				8	3					8	3		+28V
011	11	2								0.00				0.0		0.00			+28V
011	11	1	1	RED		3				8	3					8	3		+28V
011	11	2								0.00				0.0		0.00			+28V
011	09	1	12	BLK		3				8	3					8	3		TRIP B
011	09	2								0.00				0.0		0.00			TRIP B
011	13	1	12	BLK		3				8	3					8	3		TRIP B
011	13	2								0.00				0.0		0.00			TRIP B
012	01	1	1	RED		3				8	3					8	3		+28V
012	01	2								0.00				0.0		0.00			+28V
012	01	1	1	RED		3				8	3					8	3		+28V
012	01	2								0.00				0.0		0.00			+28V
010	13	1	12	BLK		3				8	3					8	3		TRIP B
010	13	2								0.00				0.0		0.00			TRIP B
011	13	1	12	BLK		3				8	3					8	3		TRIP B
011	13	2								0.00				0.0		0.00			TRIP B

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0010		
SHT	LN	C	WI	CLR	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION	
			FROM .....										TO .....					
			W	CL	K	1 2		S	F		K	1 2		S	F			
			FND				H	LUG	SLV				H	LUG	SLV			
			KCD	KSQ		NOTES	MARKING	S	STP	FND	LENGTH	NOTES	MARKING	S	STP	FND	SC	FUNCTION
						3 4 5		H		FER		3 4 5		H		FER		
012	03	1	1	RED		3	CB38-1		8	3		3	CB38-3		8	3		+28V
012	03	2							0.00		0.0				0.00			+28V
012	07	1	1	RED		3	CB38-1		8	3		3	CB39-3		8	3		+28V
012	07	2							0.00		0.0				0.00			+28V
012	03	1	1	RED		3	CB38-3		8	3		3	CB38-1		8	3		+28V
012	03	2							0.00		0.0				0.00			+28V
011	05	1	12	BLK		3	CB38-4		8	3		3	CB34-4		8	3		TRIP B
011	05	2							0.00		0.0				0.00			TRIP B
012	05	1	12	BLK		3	CB38-4		8	3		3	CB39-4		8	3		TRIP B
012	05	2							0.00		0.0				0.00			TRIP B
012	07	1	1	RED		3	CB39-3		8	3		3	CB38-1		8	3		+28V
012	07	2							0.00		0.0				0.00			+28V
012	05	1	12	BLK		3	CB39-4		8	3		3	CB38-4		8	3		TRIP B
012	05	2							0.00		0.0				0.00			TRIP B
012	09	1	12	BLK		3	CB39-4		8	3		3	CB40-4		8	3		TRIP B
012	09	2							0.00		0.0				0.00			TRIP B
005	01	1	10	BLU		3	CB4-1		7	4		3	CB5-7		7	4		PH C
005	01	2							0.00		0.0				0.00			PH C

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE SHT LN C	REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0011											
	WI	CLR	FROM					S	FIND	ROUTE	TO			S	FIND	GP	FUNCTION								
			KCD	KSQL	NOTES						LOCATION	MARKING	H					LUG	SLV	LENGTH	H	LUG	SLV	SC	FUNCTION
					1	2	3																		
005 03 1	14	BLK		3			CB4-2		8	3				3	12	J12-BRS		3			115VAC				
005 03 2								0.00			0.0							0.00			115VAC				
012 11 1	1	RED		3			CB40-1		8	3				3		CB40-3		8	3		+28V				
012 11 2								0.00			0.0							0.00			+28V				
012 11 1	1	RED		3			CB40-3		8	3				3		CB40-1		8	3		+28V				
012 11 2								0.00			0.0							0.00			+28V				
012 09 1	12	BLK		3			CB40-4		8	3				3		CB39-4		8	3		TRIP B				
012 09 2								0.00			0.0							0.00			TRIP B				
012 13 1	12	BLK		3			CB40-4		8	3				3		CB41-4		8	3		TRIP B				
012 13 2								0.00			0.0							0.00			TRIP B				
013 01 1	1	RED		3			CB41-1		8	3				3		CB41-3		8	3		+28V				
013 01 2								0.00			0.0							0.00			+28V				
013 01 1	1	RED		3			CB41-3		8	3				3		CB41-1		8	3		+28V				
013 01 2								0.00			0.0							0.00			+28V				
012 13 1	12	BLK		3			CB41-4		8	3				3		CB40-4		8	3		TRIP B				
012 13 2								0.00			0.0							0.00			TRIP B				
013 03 1	12	BLK		3			CB41-4		8	3				3		CB43-4		8	3		TRIP B				
013 03 2								0.00			0.0							0.00			TRIP B				





Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0013				
SHT	LN	C	WI	CLR	FROM.....	TO .....	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION	
			FND				1	2		H	LUG	SLV	1	2		H	LUG	SLV		
			KCD	KSQ			3	4	5	S	STP	FND	3	4	5	S	STP	FND	SC	
							NOTES	MARKING		H	FER	LENGTH	NOTES	MARKING		H	FER		FUNCTION	
006	01	1		10	BLU		3		CB5-7		7	4		3	CB5-5		7	4	PH C	
006	01	2									0.00		0.0				0.00		PH C	
013	11	1		15	WHT		3	13	E22		7	4		3	13	E49		7	4	GND
013	11	2									0.00		0.0				0.00		GND	
013	13	1		13	GRN		3		E22		8	3		3	J12-GRN		6	3	GND	
013	13	2									0.00		0.0				0.00		GND	
013	11	1		15	WHT		3	13	E49		7	4		3	13	E22		7	4	GND
013	11	2									0.00		0.0				0.00		GND	
005	03	1		14	BLK		3	12	J12-BRS			3		3	CB4-2		8	3	115VAC	
005	03	2									0.00		0.0				0.00		115VAC	
014	01	1		14	BLK		3	12	J12-BRS			3		3	12	J13-BRS			3	115VAC
014	01	2									0.00		0.0				0.00		115VAC	
013	13	1		13	GRN		3		J12-GRN		6	3		3	E22		8	3	GND	
013	13	2									0.00		0.0				0.00		GND	
014	03	1		13	GRN		3		J12-GRN		6	3		3	J13-GRN		6	3	GND	
014	03	2									0.00		0.0				0.00		GND	
014	05	1		2	WHT		3	12	J12-SIL			3		3	12	J13-SIL			3	NEUTRAL
014	05	2									0.00		0.0				0.00		NEUTRAL	

Table 5-21. Circuit Breaker Panel Assembly (MPS) Redundant Cable Run List - Continued

SEQUENCE			REDUNDANT CABLE RUN LIST										DWG NO. SM-B-817040			PAGE 0014				
SHT	LN	C	WI	CLR	FROM.....	TO .....	KY	NOTES	LOCATION	S	FIND	ROUTE	KY	NOTES	LOCATION	S	FIND	GP	FUNCTION	
			FND				1	2		H	LUG	SLV	1	2		H	LUG	SLV		
			KCD	KSQ			3	4	5	S	STP	FND	3	4	5	S	STP	FND	SC	
							NOTES	MARKING		H	FER	LENGTH	NOTES	MARKING		H	FER		FUNCTION	
014	01	1	14	BLK			3	12	J13-BRS			3	3	12	J12-BRS			3	115VAC	
014	01	2									0.00	0.0						0.00	3	115VAC
014	03	1	13	GRN			3		J13-GRN		6	3	3		J12-GRN		6	3	GND	
014	03	2									0.00	0.0					0.00		GND	
014	05	1	2	WHT			3	12	J13-SIL			3	3	12	J12-SIL			3	NEUTRAL	
014	05	2									0.00	0.0					0.00		NEUTRAL	
014	09	1	2	WHT			3		T1-X2		6	3	3		T2-X2		6	3	M1 POS	
014	09	2									0.00	0.0					0.00		M1 POS	
014	09	1	2	WHT			3		T2-X2		6	3	3		T1-X2		6	3	M1 POS	
014	09	2									0.00	0.0					0.00		M1 POS	
014	11	1	2	WHT			3		T2-X2		6	3	3		T3-X2		6	3	M1 POS	
014	09	2									0.00	0.0					0.00		M1 POS	
014	11	1	2	WHT			3		T3-X2		6	3	3		T2-X2		6	3	M1 POS	
014	09	2									0.00	0.0					0.00		M1 POS	
006	09	1	12	BLK			3		XK2-A3		9	3	3		CB18-4		8	3	TRIP A	
006	09	2									0.00	0.0					0.00		TRIP A	
010	09	1	12	BLK			3		XK2-B3		9	3	3		CB32-4		8	3	TRIP B	
010	09	2									0.00	0.0					0.00		TRIP B	

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## The Metric System and Equivalents

### Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

### Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 decagram = 10 grams = .35 ounce  
 1 hectogram = 10 decagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

### Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.81 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

### Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

### Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

## Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

## Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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