MISCELLANEOUS PANELS – FUSES (AC)

OVERCURRENT PROTECTION DEVICE										PENETRATION		LOAD	REMARKS
LOCATION		APPLICATION		CLASS									
PARENT DEVICE NO.	UNIT NO. OR TAG NO.	PRI	BACK-UP	J	R	K	T	TYPE	TEST SET POINT	RESPONSE TIME	NO. 230P	CONDUCTOR SIZE	EQUIPMENT NO. - SYSTEM DESCRIPTION	(OUTBOARD CNT NO.)
3PM0314	7K25		X	X				BUSS MDA-15	≥4.42 MILLIAMPS	N/A	0616	#4 AWG	AFW0015-CH/ TRANSFORMER POWER SUPPLY CABINET 3	DYY54E
TB-E21	PM8	X			X			BUSS FNM-30	≥60 MILLIAMPS	N/A	0634	#12 AWG	125V CONTROL	DEP378E
TB-E19	PM8		X	X				BUSS FNM-10	≥8 MILLIAMPS	N/A	0634	#12 AWG	125V CONTROL	DEP378E
3AA-A6	PM	X			X			GOULD SHAWMUT A70S	≥4.73 MILLIAMPS	N/A	0634	#12 AWG	125V CONTROL	F36277A
3CP6270-JB	PB-HK233	X			X			BUSS MDA-6	≥70.72 MILLIAMPS	N/A	0634	#12 AWG	120V CONTROL	AAA1403
3CP6219-JB	PB-HK232	X			X			BUSS MDA-6	≥75.93 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	AAA1503
3CP6210-JB	PB-HK233	X			X			BUSS MDA-6	≥76.93 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	AAA1603
3CP6218-JB	PB-HK234	X			X			BUSS FNM-8G	≥73.38 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	AAA1703
3CP6219-JB	PB-HK235	X			X			BUSS MDA-6	≥76.12 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	AAA1803
3CP6270-JB	PB-HK236	X			X			BUSS MDA-6	≥70.12 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	AAA1903
3CP6220-JB	PB-HK237	X			X			BUSS MDA-6	≥73.12 MILLIAMPS-	N/A	0630	#12 AWG	120V CONTROL	AAA2003
3CP6230-JB	PB-HK294	X			X			GOULD SHAWMUT A70-6	≥86.2 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	AAA2012
3CP6270-JB	PB-HK295	X			X			BUSS MDA-6	≥70.12 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	AAA2B01
3CP6230-JB	PB-HK297	X			X			BUSS MDA-6	≥70.12 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	AAA2201
3CP6290-JB	PB-HK298	X			X			BUSS MDA-6	≥70.12 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	AAA2301
3CP6250-JB	PB-HK295	X				X		BUSS MDA-7	≥47.7 MILLIAMPS	N/A	0629 0607	#12 AWG	120V CONTROL	AAA2401 AAA2103
3CP6240-JB	PB-HK298	X			X			BUSS FNM-3.2	≥105.8 MILLIAMPS	N/A	0629 0634	#12 AWG	120V CONTROL	AAA2501 AAA2201 FS2163

MISCELLANEOUS PANELS – FUSES (AC)

OVERCURRENT PROTECTION DEVICE										PENETRATION		LOAD	REMARKS
LOCATION		APPLICATION		CLASS									
PARENT DEVICE NO.	UNIT NO. OR TAG NO.	PRI	BACK-UP	J	R	K	T	TYPE	TEST SET POINT	RESPONSE TIME	NO. 230P	CONDUCTOR SIZE	EQUIPMENT NO. - SYSTEM DESCRIPTION	(OUTBOARD CNT NO.)
3CP7006-JC	AB/P6	X			X			LITTELFUSE 313005	≥21.67 MILLIAMPS	N/A	0631	#12 AWG	120V CONTROL	XC864 864, 8KX, X354, 175X
3CP7063-JC	AB/P6	X			X			LITTELFUSE 313005	≥334.00 MILLIAMPS	N/A	0631	#12 AWG	120V CONTROL	XC861X
3CP7065-JC	P3X		X	X				BUSS MDA-15	≥4.93 MILLIAMPS	N/A	0630	#12 AWG	120V CONTROL	XC863, 35X, 353, X354, 175X
3CP7009-JC	P8A		X	X				BUSS MDA-15	≥5.92 MILLIAMPS	N/A	0631	#12 AWG	120V CONTROL	XC841X
3CP3000-JC	PC81A	X			X			BUSS MDA-20	≥5.92 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	XC863, 52X, 873, X371, 1772
3CP7000-JC	PC81B		X	X				BUSS MDA-25	≥6.93 MILLIAMPS	N/A	0631	#12 AWG	120V CONTROL	XC871, 872, 87X, X372, 1777
3PM5061-PB	1FU	X			X			BUSS NON-G	≥19.12 MILLIAMPS	N/A	0634	#12 AWG	120V CONTROL	FHF22X
3PM5061-PB	2FU		X	X				BUSS NON-G	≥19.12 MILLIAMPS	N/A	0634	#12 AWG	120V CONTROL	FHF22X
3PM5062-PB	1FU	X			X			BUSS NON-G	≥19.12 MILLIAMPS	N/A	0634	#12 AWG	120V CONTROL	FHF21X
3PM5063-PB	2FU		X	X				BUSS NON-G	≥19.12 MILLIAMPS	N/A	0634	#12 AWG	120V CONTROL	FHF21X
3PM5254-CB	PB4	X			X			GOULD SHAWMUT A2Y15-1	≥6.69 MILLIAMPS	N/A	0633	#12 AWG	120V CONTROL	E3P781E
3PM5273-CB	P84		X	X				GOULD SHAWMUT A2Y10-2	≥4.34 MILLIAMPS	N/A	0633	#4 AWG	XP47858 CR/3HR POSITION 3HR PNL 1	123V AC
3PM5273-CB	P82		X	X				GOULD SHAWMUT A2Y10-1	≥4.34 MILLIAMPS	N/A	0633	#4 AWG	XP47861 CR/3HR POSITION 3HR PNL 2	Y783 AC
3PM5671-JB	P84		X	X				GOULD SHAWMUT TRS2000	≥6.433 MILLIAMPS	N/A	0615	250 MCM	XP48939-JB 3H REACTOR COMP CONTAIN PNL 8	440V AC

MISCELLANEOUS PANELS – FUSES (AC)

OVERCURRENT PROTECTION DEVICE										PENETRATION		LOAD	REMARKS
LOCATION		APPLICATION		CLASS									
PARENT DEVICE NO.	UNIT NO. OR TAG NO.	PRI	BACK-UP	J	R	K	T	TYPE	TEST SET POINT	RESPONSE TIME	NO. 230P	CONDUCTOR SIZE	EQUIPMENT NO. - SYSTEM DESCRIPTION	(OUTBOARD CNT NO.)
3PM6477	7H1		X				X	BUSS FNM-015	≥13.42 MILLIAMPS	N/A	0617	#12 AWG	120V CONTROL	AAA72A
3PM5403	P4C		X			X		BUSS FNM-025	≥15.52 MILLIAMPS	N/A	0630	#12 AWG	120V CONTROL	AAA140
3PM5804-BA	P4C	X					X	BUSS KTM-8G	≥65.89 MILLIAMPS	N/A	0654	#10 AWG	120V CONTROL	AAA722A AAA95EA
3PM5340-EA	P83	X					X	BUSS KTM-8G	≥74.52 MILLIAMPS	N/A	0654	#10 AWG	120V CONTROL	AAA952A
3PM5840-BA	P84	X					X	BUSS KTM-8G	≥65.92 MILLIAMPS	N/A	0651	#10 AWG	120V CONTROL	AAA1433
3PM5360-EA	P821		X			X		BUSS KTM-8G	≥65.92 MILLIAMPS	N/A	0651	#10 AWG	120V CONTROL	AAA191A AAA193A
3PM5880-BA	P822		X			X		BUSS KTM-8G	≥69.92 MILLIAMPS	N/A	0654	#10 AWG	120V CONTROL	AAA193A
3PM5580-BA	P823		X			X		BUSS KTM-8G	≥65.92 MILLIAMPS	N/A	0651	#10 AWG	120V CONTROL	AAA1933
3PM5807-EA	P82	X					X	BUSS KTM-8G	≥65.92 MILLIAMPS	N/A	0648	#10 AWG	120V CONTROL	AAA19712
3PM5581-EA	P829		X	X			X	BUSS KTM-8G	≥65.92 MILLIAMPS	N/A	0648	#10 AWG	120V CONTROL	AAA19722
3PM7821-JC	P88	X				X		BUSS AGC-3	≥43.38 MILLIAMPS	N/A	0626	#12 AWG	120V CONTROL	S12221A
3PM7871-JC	P813		X			X		BUSS AGC-15	≥8.82 MILLIAMPS	N/A	0630	#12 AWG	120V CONTROL	S12222A
3PM7822-JC	P84	X				X		BUSS AGC-3	≥43.38 MILLIAMPS	N/A	0629	#12 AWG	120V CONTROL	S12223A
3PM7823-JA	P87		X			X		BUSS MDA-15	≥4.92 MILLIAMPS	N/A	0630	#12 AWG	120V CONTROL	S12273A

NUCLEAR SAFETY RELATED

AMENDMENT 02-01
MAY 2002

DRAWING LEGIBILITY CLASS 2
SCEGO CAD ENHANCED

FSAR Figure 8G-5

SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMMER NUCLEAR STATION

ELECTRICAL
CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTION DEVICES
DESIGN ENGINEERING

NO.	DATE	BY	REVISION	DSN	DWN	CHK
3	3/29/01	JWR	REVISED PER NCR-00084	MGR	BCS	
4	3/29/01	TGB	REVISED PER ECR-00084	MGR	RAT	

TGB | MGR | RAT

DRAWING NUMBER E-224-532 | SHT 5 | REV 5

RN 01-064

1/4"= 1'-0" (0 5' 10' 15' 20')

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