CABLE NO.	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUCTOR LENGTH	CONDUIT NO.	CONDUIT SIZE	CONDUIT LENGTH	FUNCTION	FROM	TO	ROUTINGS AND REMARKS
6G3	4/c	#10	570'				GEN-MTR 6 DIFF. RELAYS	GEN-MTR 6 GCB 760 - CT(3)	AUX. SWBD. PNL. 13AUXF	TRAYS 36, 21A, 6D
6G5	3/c	#12	180'				GEN-MTR 6 VOLTAGE REG. PT's	GEN-MTR 6 GCB 760 - PT(3)	GEN-MTR 6 EXCIT. SWGR.	TRAYS 36, 21A, 2D, 20
6G6	4/c	#10	560'				GEN-MTR 6 METERS & RELAYS	GEN-MTR 6 GCB 760 - CT(3)	MAIN CNTL. SWBD. PNL. 13F	TRAYS 36, 21A, 2D
6G7	5/c	#12	550'				GEN-MTR 6 METERS & RELAYS	GEN-MTR 6 GCB 760 - PT(3)	MAIN CNTL. SWBD. PNL. 13F	TRAYS 36, 21A, 2D
6G8	12/c	#12	560'				GEN-MTR 6 GCB 760 CONTROL	GEN-MTR 6 GCB 760	MAIN CNTL. SWBD. PNL. 13F	TRAYS 36, 21A, 2D
6G9	12/c	#12	550'				GEN-MTR 6 GCB 760 INTERLK.	GEN-MTR 6 GCB 760	MAIN CNTL. SWBD. PNL. 13R	TRAYS 36, 21A, 4D
6G40	7/c	#12	140'				GEN-MTR 6 GCB 760 INTERLK.	GEN-MTR 6 ACTUATOR	GEN-MTR 6 GCB 760	6G40 - TRAYS 21B, 21A, 36
				6G40	1 1/4"	57'		GEN-MTR 6 ACTUATOR	TRAY 21B	
6G53	7/c	#12	165'				GEN-MTR 6 GCB 760 CONTROL	GEN-MTR 6 GCB 760	GEN-MTR 6 EXCIT. SWGR.	TRAYS 36, 21A, 8D, 20
6G59	5/c	#12	440'				GEN-MTR 6 GCB 760 CONTROL	GEN-MTR 6 GCB 760	AUX. SWBD. PNL. 13AUXF	TRAYS 36, 21A, 6D
6G61	4/c	#10	435'				TRANSF. NO. 3 DIFF. RELAYING	GEN-MTR 6 GCB 760	AUX. SWBD. PNL. 14AUXF	TRAYS 36, 21A, 6D
6G64	5/c	#12	XXX'				GEN-MTR 6 CONTROL	PHASE REV. SW. 601	GEN-MTR 6 GCB 760	TRAYS XX
6G71	3/c	#12	XXX'				MOD 300 CONTROL	GEN-MTR 6 GCB 760	GCB 767	TRAYS XX
6G73	5/c	#12	XXX'				PUMPING UNIT 6 CONTROL	GCB 901	MAIN CNTL. SWBD. PNL 14R	TRAYS XX
6G75	5/c	#12	XXX'				SWITCH 769 CONTROL	GCB 901	GEN-MTR 6 GCB 760	TRAYS XX
6G76	3/c	#12	XXX'				PHASE REV. SW. 601 CONTROL	GCB 901	PHASE REV. SW. 601	TRAYS XX
6G78	12/c	#12	XXX'				SWITCH 769 CONTROL	GEN-MTR 6 GCB 760	MAIN CNTL. SWBD. PNL. 13R	TRAYS XX
6G81	4/c	#10	XXX'				GEN-MTR 6 DIFF. RELAYS	GEN-MTR 6 GCB 760 CT CAB	AUX. SWBD. PNL. 13AUXF	TRAYS XX
6G82	4/c	#10	XXX'				STARTING BUS DIFF.	GEN-MTR 6 GCB 760 CT CAB	AUX. SWBD. PNL. 14AUXR	TRAYS XX
6G84	5/c	#12	XXX'				STARTING BUS SWITCHES CNTL.	GEN-MTR 6 GCB 760	GEN-MTR 7 GCB 770	TRAYS XX
6G85	5/c	#12	XXX'				STARTING BUS SWITCHES CNTL.	GEN-MTR 6 GCB 760	GEN-MTR 8 GCB 780	TRAYS XX

CABLE NO.	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUCTOR LENGTH	CONDUIT NO.	CONDUIT SIZE	CONDUIT LENGTH	FUNCTION	FROM	TO	ROUTINGS AND REMARKS
6G110	15/c	#16	245'				BREAKER STATUS	GEN. 6 GCB 760	MAIN CNTL. SWBD. PNL. 13	TRAYS 36, 21A, 2D
6G111	15/c	#16	245'				BREAKER STATUS	GEN. 6 GCB 760	MAIN CNTL. SWBD. PNL. 13	TRAYS 36, 21A, 2D
6G112	5/c	#12	XXX'				GCB 760 STATUS	SFC	GEN-MTR 6 GCB 760	TRAYS XX
6G113	12/c	#12	XXX'				UNIT 6 CONTROL	SFC	MAIN CNTL. SWBD. PNL. 13	TRAYS XX
6G114	5/c	#12	XXX'				UNIT 6 CONTROL	SFC	MAIN CNTL. SWBD. PNL. 13	TRAYS XX
6G115	5/c	#12	XXX'				UNIT 6 STATUS	SFC	MAIN CNTL. SWBD. PNL. 13	TRAYS XX

NOTES:

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2. ALL LENGTHS SHOWN ARE APPROXIMATE, FIELD VERIFY.

BLUE LINES AND TEXT IDENTIFY SFC-RELATED EQUIPMENT, FOR GOVERNMENT PURPOSES, CABLE DATA TO BE FINALIZED LATER

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		UPDATED CABLE INFO.	10FEB04	DDA

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CORPS OF ENGINEERS
SAVANNAH, GEORGIA

RICHARD B. RUSSELL POWER PLANT
CIRCUIT BREAKER & STATIC START INSTALL
CABLE AND CONDUIT SCHEDULES
CABLES 6G, SHEET 2 OF 2
SAVANNAH RIVER GEORGIA AND S. CAROLINA

SIZE: F | SOLICITATION NO.: DACW21-03-B-0011 | FILE NO.: RBR-107 | PLATE: E-145

SCALE: NONE | SHEET 157

101RRP_E145_CC_6G2_REV1.DGN
101RRP_TBLK.DGN

CABLE NO.	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUCTOR LENGTH	CONDUIT NO.	CONDUIT SIZE	CONDUIT LENGTH	FUNCTION	FROM	TO	ROUTINGS AND REMARKS
7G3	4/c	#10	600'				GEN-MTR 7 DIFF. RELAYS	GEN-MTR 7 GCB 770 - CT(3)	AUX. SWBD. PNL. 15AUXF	TRAYS 37, 23A, 6C
7G5	3/c	#12	110'				GEN-MTR 7 VOLTAGE REG. PT's	GEN-MTR 7 GCB 770 - PT(3)	GEN-MTR 7 EXCIT. SWGR.	TRAYS 37, 23A, 2C, 24
7G6	4/c	#10	600'				GEN-MTR 7 METERS & RELAYS	GEN-MTR 7 GCB 770 - CT(3)	MAIN CNTL. SWBD. PNL. 15F	TRAYS 37, 23A, 2C
7G7	5/c	#12	620'				GEN-MTR 7 METERS & RELAYS	GEN-MTR 7 GCB 770 - PT(3)	MAIN CNTL. SWBD. PNL. 15F	TRAYS 37, 23A, 2C
7G8	12/c	#12	600'				GEN-MTR 7 GCB 770 CONTROL	GEN-MTR 7 GCB 770	MAIN CNTL. SWBD. PNL. 15F	TRAYS 37, 23A, 2C
7G9	12/c	#12	600'				GEN-MTR 7 GCB 770 INTERLK.	GEN-MTR 7 GCB 770	MAIN CNTL. SWBD. PNL. 15R	TRAYS 37, 23A, 4C
7G40	7/c	#12	140'				GEN-MTR 7 GCB 770 INTERLK.	GEN-MTR 7 ACTUATOR	GEN-MTR 7 GCB 770	7G40 - TRAYS 23B, 23A, 37
				7G40	1 1/4"	68'		GEN-MTR 7 ACTUATOR	TRAY 2C	
7G53	7/c	#12	160'				GEN-MTR 7 GCB 770 CONTROL	GEN-MTR 7 GCB 770	GEN-MTR 7 EXCIT. SWGR.	TRAYS 37, 23A, 8C, 24
7G59	5/c	#12	605'				GEN-MTR 7 GCB 770 CONTROL	GEN-MTR 7 GCB 770	AUX. SWBD. PNL. 15AUXF	TRAYS 37, 23A, 6C
7G61	4/c	#10	610'				TRANSF. NO. 4 DIFF. RELAYING	GEN-MTR 7 GCB 770	AUX. SWBD. PNL. 14AUXF	TRAYS 37, 23A, 6C
7G64	5/c	#12	XXX'				GEN-MTR 7 CONTROL	PHASE REV. SW. 701	GEN-MTR 7 GCB 770	TRAYS XX
7G71	3/c	#12	210'				MOD 400 CONTROL	GEN-MTR 7 GCB 770	GEN-MTR 8 GCB 780	TRAYS 37, 23A, 8C, 26A, 38
7G73	5/c	#12	XXX'				PUMPING UNIT 7 CONTROL	GCB 901	MAIN CNTL. SWBD. PNL. 14R	TRAYS XX
7G75	5/c	#12	XXX'				SWITCH 779 CONTROL	GCB 901	GEN-MTR 7 GCB 770	TRAYS XX
7G76	3/c	#12	XXX'				PHASE REV. SW. 701 CONTROL	GCB 901	PHASE REV. SW. 701	TRAYS XX
7G78	12/c	#12	XXX'				SWITCH 779 CONTROL	GEN-MTR 7 GCB 770	MAIN CNTL. SWBD. PNL. 15R	TRAYS XX
7G81	4/c	#10	XXX'				GEN-MTR 7 DIFF. RELAYS	GEN-MTR 7 GCB 770 CT CAB	AUX. SWBD. PNL. 15AUXF	TRAYS XX
7G82	4/c	#10	XXX'				STARTING BUS DIFF.	GEN-MTR 7 GCB 770 CT CAB	AUX SWBD. PNL. 14AUXR	TRAYS XX
7G84	7/c	#12	XXX'				STARTING BUS SWITCHES CNTL.	GEN-MTR 7 GCB 770	GEN-MTR 8 GCB 780	TRAYS XX

CABLE NO.	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUCTOR LENGTH	CONDUIT NO.	CONDUIT SIZE	CONDUIT LENGTH	FUNCTION	FROM	TO	ROUTINGS AND REMARKS
7G110	15/c	#16	245'				BREAKER STATUS	GEN. 7 GCB 770	MAIN CNTL. SWBD. PNL. 15	TRAYS 37, 23A, 2C
7G111	15/c	#16	245'				BREAKER STATUS	GEN. 7 GCB 770	MAIN CNTL. SWBD. PNL. 15	TRAYS 37, 23A, 2C
7G112	5/c	#12	XXX'				GCB 770 STATUS	SFC	GEN-MTR 7 GCB 770	TRAYS XX
7G113	12/c	#12	XXX'				UNIT 7 CONTROL	SFC	MAIN CNTL. SWBD. PNL. 15	TRAYS XX
7G114	5/c	#12	XXX'				UNIT 7 CONTROL	SFC	MAIN CNTL. SWBD. PNL. 15	TRAYS XX
7G115	5/c	#12	XXX'				UNIT 7 STATUS	SFC	MAIN CNTL. SWBD. PNL. 15	TRAYS XX

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SYMBOL	ZONE	DESCRIPTION	DATE	BY
1		UPDATED CABLE INFO.	10FEB04	DDA

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SAVANNAH, GEORGIA

RICHARD B. RUSSELL POWER PLANT
CIRCUIT BREAKER & STATIC START INSTALL
CABLE AND CONDUIT SCHEDULES
CABLES 7G, SHEET 2 OF 2
SAVANNAH RIVER GEORGIA AND S. CAROLINA

SIZE	SOLICITATION NO.	FILE NO.	PLATE
F	DACW21-03-B-0011	RBR-107	E-147

SCALE: NONE SHEET 159

101RRP_E147_CC_7G2_REV1.DGN
101RRP_TBLK.DGN

CABLE NO.	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUCTOR LENGTH	CONDUIT NO.	CONDUIT SIZE	CONDUIT LENGTH	FUNCTION	FROM	TO	ROUTINGS AND REMARKS
8G3	4/c	#10	600'				GEN-MTR 8 DIFF. RELAYS	GEN-MTR 8 GCB 780 - CT(3)	AUX. SWBD. PNL. 16AUXF	TRAYS 38, 26A, 6C
8G5	3/c	#12	150'				GEN-MTR 8 VOLTAGE REG. PT's	GEN-MTR 8 GCB 780 - PT(3)	GEN-MTR 8 EXCIT. SWGR.	TRAYS 38, 26A, 2C, 24
8G6	4/c	#10	695'				GEN-MTR 8 METERS & RELAYS	GEN-MTR 8 GCB 780 - CT(3)	MAIN CNTL. SWBD. PNL. 16F	TRAYS 38, 26A, 2C
8G7	5/c	#12	710'				GEN-MTR 8 METERS & RELAYS	GEN-MTR 8 GCB 780 - PT(3)	MAIN CNTL. SWBD. PNL. 16F	TRAYS 38, 26A, 2C
8G8	12/c	#12	695'				GEN-MTR 8 GCB 780 CONTROL	GEN-MTR 8 GCB 780	MAIN CNTL. SWBD. PNL. 16F	TRAYS 38, 26A, 2C
8G9	12/c	#12	685'				GEN-MTR 8 GCB 780 INTERLK.	GEN-MTR 8 GCB 780	MAIN CNTL. SWBD. PNL. 16R	TRAYS 38, 26A, 4C
8G40	7/c	#12	110'				GEN-MTR 8 GCB 780 INTERLOCK	GEN-MTR 8 ACTUATOR	GEN-MTR 8 GCB 780	8G40 - TRAYS 26B, 26A, 38
				8G40	1 1/4"	47'		GEN-MTR 8 ACTUATOR	TRAY 2C	
8G53	7/c	#12	165'				GEN-MTR 8 GCB 780 CONTROL	GEN-MTR 8 GCB 780	GEN-MTR 8 EXCIT. SWGR.	TRAYS 38, 26A, 8C, 24
8G59	5/c	#12	730'				GEN-MTR 8 GCB 780 CONTROL	GEN-MTR 8 GCB 780	AUX. SWBD. PNL. 16AUXF	TRAYS 38, 26A, 6C
8G61	4/c	#10	725'				TRANSF. NO. 4 DIFF. RELAYING	GEN-MTR 8 GCB 780	AUX. SWBD. PNL. 14AUXF	TRAYS 38, 26A, 6C
8G64	5/c	#12	XXX'				GEN-MTR 8 CONTROL	PHASE REV. SW. 801	GEN-MTR 8 GCB 780	TRAYS XX
8G71	3/c	#12	XXX'				MOD 400 CONTROL	GEN-MTR 8 GCB 780	GCB 777	TRAYS XX
8G73	5/c	#12	XXX'				PUMPING UNIT 8 CONTROL	GCB 901	MAIN CNTL. SWBD. PNL. 14R	TRAYS XX
8G75	5/c	#12	XXX'				SWITCH 789 CONTROL	GCB 901	GEN-MTR 8 GCB 780	TRAYS XX
8G76	3/c	#12	XXX'				PHASE REV. SW. 801 CONTROL	GCB 901	PHASE REV. SW. 801	TRAYS XX
8G78	12/c	#12	XXX'				SWITCH 789 CONTROL	GEN-MTR 8 GCB 780	MAIN CNTL. SWBD. PNL. 16R	TRAYS XX
8G81	4/c	#10	XXX'				GEN-MTR 8 DIFF. RELAYS	GEN-MTR 8 GCB 780 CT CAB	AUX SWBD. PNL 16AUXF	TRAYS XX
8G82	4/c	#10	XXX'				STARTING BUS DIFF.	GEN-MTR 8 GCB 780 CT CAB	AUX. SWBD. PNL. 14AUXR	TRAYS XX

CABLE NO.	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUCTOR LENGTH	CONDUIT NO.	CONDUIT SIZE	CONDUIT LENGTH	FUNCTION	FROM	TO	ROUTINGS AND REMARKS
8G110	15/c	#16	245'				BREAKER STATUS	GEN. 8 GCB 780	MAIN CNTL. SWBD. PNL. 16	TRAYS 38, 26A, 2C
8G111	15/c	#16	245'				BREAKER STATUS	GEN. 8 GCB 780	MAIN CNTL. SWBD. PNL. 16	TRAYS 38, 26A, 2C
8G112	5/c	#12	XXX'				GCB 780 STATUS	SFC	GEN-MTR 8 GCB 780	TRAYS XX
8G113	12/c	#12	XXX'				UNIT 8 CONTROL	SFC	MAIN CNTL. SWBD. PNL. 16	TRAYS XX
8G114	5/c	#12	XXX'				UNIT 8 CONTROL	SFC	MAIN CNTL. SWBD. PNL 16	TRAYS XX
8G115	5/c	#12	XXX'				UNIT 8 STATUS	SFC	MAIN CNTL. SWBD. PNL. 16	TRAYS XX

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RICHARD B. RUSSELL POWER PLANT
CIRCUIT BREAKER & STATIC START INSTALL
CABLE AND CONDUIT SCHEDULES
CABLES 8G, SHEET 2 OF 2
SAVANNAH RIVER GEORGIA AND S. CAROLINA

SIZE	SOLICITATION NO.	FILE NO.	PLATE
F	DACW21-03-B-0011	RBR-107	E-149

SCALE: NONE SHEET 161

101RRP_E149_CC_8G2_REV1.DGN
101RRP_TBLK.DGN