

			
AMPLIACIÓN DE LA CAPACIDAD DE GENERACIÓN Y TRANSPORTE DE ELECTRICIDAD EN LA ISLA DE MARGARITA			
SERVICIO DE ADECUACIÓN A SISTEMA DUAL DE DOS (2) UNIDADES, MARCA GENERAL ELECTRIC, MODELO 7001EA QUE SERÁN INSTALADAS EN LA PLANTA JUAN BAUTISTA ARISMENDI			

NOTE: THIS DRAWING IS BASED ON THE ORIGINAL CABLE SUMMARY DRWG 377A4380 REV-C AND MODIFIED FOR DUAL FUEL AND SITE SPECIFIC REQUIRMENTS.

CABLE SUMMARY (GAS TURBINE)

CUSTOMER: EDC MARGARITA ISLAND

(UNITS 298034 & 298035)

AGM-02-0204-PLA-E-0006

Rev.	Fecha	Breve Descripción del Cambio	Total Pág.	Elab. por DERWICK	Rev. por DERWICK	Aprob. por EDC
1	05/08/11	ISSUED FOR CONSTRUCTION	31	Domingo Guzmán	Iker Candina	
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FIRMA:	FIRMA:	FIRMA:	FIRMA:
NOMBRE: Domingo Guzmán	NOMBRE: Iker Candina	NOMBRE:	NOMBRE:

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Cable Summary for Dual Fuel Conversion

NOTES

1. "C" PREFIX INDICATES CABLE SUPPLIED BY OTHERS THAN GE GAS TURBINE DIVISION. CONTROL CABLES WITH "C" PREFIX CONTAIN A NOMINAL NUMBER OF SPARES.
2. "C" PREFIX CABLES TO BE RATED NOT LESS THAN 90 DEG. C.
3. CABLE GLANDS/STRESS RELIEFS FOR CONNECTING CABLES AT JUNCTION BOXES/DEVICES ARE TO BE SUPPLIED BY OTHERS.
4. BEND RADIUS - ALL BENDS SHALL BE SO MADE THAT THE CABLE WILL NOT BE DAMAGED, AND THE RADIUS OF THE INNER EDGE OF ANY BEND SHALL NOT BE LESS THAN SHOWN IN TABLE. THIS RADIUS DOES NOT INCLUDE PULLING TENSION CALCULATION. SEE M.L. ITEM 0435 FOR FURTHER DEFINITION.
5. CABLES SUPPLIED BY OTHERS THAT ARE SHOWN ON THIS DWG. ARE ONLY FOR THOSE WHICH INTERFACE WITH GAS TURBINE SUPPLIED EQUIPMENT.
6. MAKEUP OF "C" PREFIX CABLES ARE SUGGESTED TO ENSURE SUFFICIENT CONDUCTOR COUNT.
7. "C" PREFIX CABLES FOR LEVEL 4 AND LEVEL 5 POWER SUPPLY ARE SIZED BY OTHERS.
8. SEE OUTLINE, GAS TURBINE PACKAGE CONNECTION - ELECTRICAL DIAG., M.L. ITEM 0301 FOR LOCATION OF CABLE DESTINATION POINTS (JB'S, ETC.) WITHIN EACH ON-BASE COMPARTMENT.
9. CABLE TO BE INSTALLED WITH ADEQUATE SEPARATION BETWEEN DIFFERENT LEVELS AND IN PROPER CONDUIT OR RACEWAY MATERIAL, SEE M.L. ITEM 0435, AND IN ACCORDANCE WITH LATEST ELECTRICAL CODES.
10. GROUND CABLES ARE TO BE SUPPLIED ON ALL EQUIPMENT. TWO CABLE CONNECTIONS ARE DIAGONALLY OPPOSED.
11. ONE CABLE REQUIRED PER SITE.
12. CABLE REQUIRED FOR UNITS 1 & 3 ONLY.
13. CABLE REQUIRED FOR UNITS 2 & 4 ONLY.
14. FOR ADDITIONAL COMMUNICATION CABLES SEE M.L. ITEM 4108.
15. REFER TO DWG. 358B1001 FOR CABLE ROUTING.

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Cable Summary for Dual Fuel Conversion

LOCATION DESCRIPTIONS

001 - WELDING RECEPTACLE ONE
 101 - TURBINE CONTROL PANEL (333)
 102 - GENERATOR CONTROL PANEL (333)
 108 - AUXILIARY RELAY PANEL
 114 - JB001 ACCESSORY BASE LOW LEVEL (119)
 115 - JB002 ACCESSORY BASE LEVEL3(119)
 118 - ACCESSORY BASE MOTORS (119)
 119 - ACCESSORY BASE
 114 - JB001 ACCESSORY BASE LOW LEVEL
 115 - JB002 ACCESSORY BASE LEVEL 3
 118 - ACCESSORY BASE MOTORS
 149 - CRANKING MOTOR
 348 - JB077A ACCESSORY BASE FP
 392 - JB004 ACCESSORY BASE LEVEL 4
 121 - TURBINE BASE
 122 - TURBINE ROOF MOUNTED DEVICES
 125 - JB055 TURBINE BASE LOW LEVEL
 126 - JB056 TURBINE BASE LOW LEVEL
 390 - JB034 TURBINE ROOF LOW LEVEL
 122 - TURBINE ROOF MOUNTED DEVICES (121)
 125 - JB055 TURBINE BASE LOW LEVEL (121)
 126 - JB056 TURBINE BASE LOW LEVEL (121)
 127 - JB085 LOAD GEAR COMPARTMENT LOW LEVEL (250)
 128 - EXHAUST FRAME BLOWER 88TK-1
 129 - EXHAUST FRAME BLOWER 88TK-2
 133 - JB005C GENERATOR COMPARTMENT LEVEL 4 (134)
 134 - GENERATOR COMPARTMENT
 133 - JB005C GENERATOR COMPARTMENT LEVEL 4
 135 - JB005A GENERATOR COMPARTMENT LOW LEVEL
 136 - JB005B GENERATOR COMPARTMENT LEVEL 3
 325 - JB163 GENERATOR COMPARTMENT LOW LEVEL
 135 - JB005A GENERATOR COMPARTMENT LOW LEVEL (134)
 136 - JB005B GENERATOR COMPARTMENT LEVEL 3 (134)
 146 - METAL CLAD SWITCHGEAR
 149 - CRANKING MOTOR (119)
 151 - JB215 GENERATOR FILTER SEQUENCER
 156 - FUEL GAS FLOW DEVICES
 157 - TURBINE AIR INLET FILTER COMPARTMENT
 449 - JB078 TURB. AIR INLET FILTER COMPARTMENT
 158 - GAS SCRUBBER
 563 - JB386 GAS SCRUBBER LEVEL 3
 161 - COOLING WATER MODULE #1
 428 - JB090 COOLING WATER MODULE LEVEL 3
 438 - JB090A COOLING WATER MODULE LEVEL 4
 171 - GAS FUEL (VALVE) MODULE
 363 - JB130 GAS FUEL MODULE
 441-JB131 GAS FUEL MODULE LEVEL4

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Cable Summary for Dual Fuel Conversion

172 - AIR PROCESS SKID

455 - JB297 AIR PROCESS SKID LEVEL 3

173 – JB72 WATER INJECTION SKID LEVEL 3

LOCATION DESCRIPTIONS (continued)

174 – JB79 WATER INJECTION SKID LEVEL 1

175 – WATER INJECTION SKID 480 VOLT SUPPLY

176 - LUBE OIL DEMISTER (TURBINE)

182 - MAIN TRANSFORMER (STEP UP)

183 - AUXILIARY POWER TRANSFORMER

201 - LIMIT AMP

208 - VIBRATION MONITOR PANEL (102) (333)

225 - RELATIVE HUMIDITY SENSOR

227 - HAZARDOUS GAS MONITOR (102) (333)

230 - JB019A TURBINE OFF BASE RACK LEVEL 3

231 - JB019B TURBINE OFF BASE RACK LEVEL 3

233 - JB020A TURBINE OFF BASE RACK LOW LEVEL

234 - JB020B TURBINE OFF BASE RACK LOW LEVEL

236 – TURBINE ROOF LOW LEVEL

250 - LOAD GEAR COMPARTMENT

127 - JB085 LOAD GEAR COMPARTMENT LOW LEVEL

387 - JB020G TURBINE COMPARTMENT LOW LEVEL

252 - WATER WASH SKID

456-JB010 WATERWASHSKID LEVEL3

254 - CUSTOMER DEVICES--PANELS

257 - JB037 PERFORMANCE MONITORING LOW LEVEL

280 - GENERATOR NEUTRAL ACCESSORY COMPARTMENT GNAC

581 - JB005N GEN. NEUTRAL ACCESSORIES COMP. LEVEL 3

283 - FIRE PROTECTION DEVICES

284 - FIRE PROTECTION PANEL

325 - JB163 GENERATOR COMPARTMENT LOW LEVEL (134)

329 - CRANKING MOTOR TRANSFORMER

333 - PACKAGED ELECTRICAL-ELECTRONIC CONTROL CENTER-PEECC

101 - TURBINE CONTROL PANEL

102 - GENERATOR CONTROL PANEL

208 - VIBRATION MONITOR PANEL

227 - HAZARDOUS GAS MONITOR

334 - PEECC MOTOR CONTROL CENTER

339 - JB298 PEECC LEVEL 3

562 - STATIC VOLTAGE REGULATOR--EX2000R

334 - PEECC MOTOR CONTROL CENTER (333)

335 - BUS DUCT

338 - CUSTOMER 480V SUPPLY

339 - JB298 PEECC LEVEL 3 (333)

348 - JB077A ACCESSORY BASE FP (119)

363 - JB130 GAS FUEL MODULE (171)

381 - JB021A TURBINE OFF BASE RACK LEVEL 4

387 - JB020G TURBINE COMPARTMENT LOW LEVEL (250)

390 - JB034 TURBINE ROOF LOW LEVEL (121)

392 - JB004 ACCESSORY BASE LEVEL 4 (119)

427 – LIQUID FUEL FORWARDING SKID JB01

428 - JB090 COOLING WATER MODULE LEVEL 3 (161)

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Cable Summary for Dual Fuel Conversion

429 – 88AB-1 MCC CUBICLE

430 – DEMIN WATER FORWARDING JB01

LOCATION DESCRIPTIONS (continued)

438 - JB090A COOLING WATER MODULE LEVEL 4 (161)

441 - JB131 GAS FUEL MODULE LEVEL 4 (171)

447 - INLET HEATING CONTROL VALVE

449 - JB078 TURB. AIR INLET FILTER COMPARTMENT (157)

455 - JB297 AIR PROCESS SKID LEVEL 3 (172)

456 - JB010 WATER WASH SKID LEVEL 3 (252)

514 - CUSTOMER SWITCHGEAR

562 - STATIC VOLTAGE REGULATOR--EX2000R (333)

563 - JB386 GAS SCRUBBER LEVEL 3 (158)

581 - JB005N GEN. NEUTRAL ACCESSORIES COMP. LEVEL 3 (280)

611 - INLET HEATING ISOLATION VALVE

622 - FUEL GAS HEATER CONTROL PANEL

742 - SITE LIGHTS

751 - FLAME DETECTOR INTERFACE MODULE PRIMARY

752 - FLAME DETECTOR INTERFACE MODULE SECONDARY

753 - JB309 FUEL GAS HEATING SKID LEVEL 3

901 - CUSTOMER GROUND GRID

938 - CEMS SYSTEM

939 – UNIT AREA OUTDOOR LIGHTING

940 – DEMIN WATER FORWARDING JB02

941 – LIQUID FUEL FORWARDING JB02

942 – CUSTOMER SUPPLIED MCC

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Cable Summary for Dual Fuel Conversion

CUSTOMER SUPPLIED CABLES

cable number	from	to	level / #cond	diameter / bend rad	gauge	makeup	purpose	special notes
C001	101	136	LEVEL (3) \ 19 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C006	101	363	LEVEL (1) \ 36 COND		18 AWG	1 CABLE-18 TW SHLD PAIRS	INSTRUMENTATION SIGNALS	
C009A	234	751	LEVEL (3S) \ 8 COND		18 AWG	1 CABLE-4 TW SHLD PAIRS	FLAME DETECTORS 28FD (2 WIRE)	
C009B	234	752	LEVEL (3S) \ 8 COND		18 AWG	1 CABLE-4 TW SHLD PAIRS	FLAME DETECTORS 28FD (2 WIRE)	
C012	334	392	LEVEL (4) \ 3 COND		4 AWG	1 CABLE	125VDC SUPPLY 88QE-1	15
C013C	334	392	LEVEL (4) \ 3 COND		10 AWG	1 CABLE	3 PH SUPPLY 88TM-1	15
C014	101	363	LEVEL (3) \ 37 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C017	101	135	LEVEL (1) \ 36 COND		18 AWG	1 CABLE-18 TW SHLD PAIRS	INSTRUMENTATION SIGNALS RTDS	
C018	101	135	LEVEL (1S) \ 18 COND		18 AWG	1 CABLE-9 PAIR CHROM-ALUM T/C	THERMOCOUPLES	
C022	227	363	LEVEL (2) \ 9 COND		18 AWG	1 CABLE-3 TW SHLD TRIADS	GAS DETECTORS 45HA-7 45HA-8	
C027	118	334	LEVEL (4) \ 3 COND		2 AWG	1 CABLE	3 PH SUPPLY 88QA-1	15
C028	334	392	LEVEL (4) \ 3 COND		8 AWG	1 CABLE	3 PH SUPPLY 88HQ-1	15
C037	101	115	LEVEL (3) \ 37 COND		12 AWG	1 CABLE	CONTROL SIGNALS	15
C038	101	234	LEVEL (1) \ 36 COND		18 AWG	1 CABLE-18 TW SHLD PAIRS	INSTRUMENTATION SIGNALS	
C039	101	233	LEVEL (1S) \ 18 COND		18 AWG	1 CABLE-9 PAIR CHROM-ALUM T/C	THERMOCOUPLES	
C041	101	233	LEVEL (1S) \ 18 COND		18AWG	1 CABLE-9 PAIR CHROM-ALUM T/C	THERMOCOUPLES	
C042	101	230	LEVEL (3) \ 19 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C049	102	146	LEVEL (3) \ 37 COND		12 AWG	1 CABLE	CONTROL SIGNALS GEN BREAKER	15
C055A	334	381	LEVEL (4) \ 3 COND		8 AWG	1 CABLE	3 PH SUPPLY 23HT-1	
C055B	334	381	LEVEL (4) \ 3 COND		8 AWG	1 CABLE	3 PH SUPPLY 23HT-2	
C059	133	334	LEVEL (4) \ 3 COND		10 AWG	1 CABLE	3 PH SUPPLY 23HG-1,-3,-5	
C071	128	334	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	3 PH SUPPLY 88TK-1	
C072	129	334	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	3 PH SUPPLY 88TK-2	
C073	101	387	LEVEL (1S) \ 36 COND		18 AWG	1 CABLE-18 PAIR CHROM-ALUM T/C	THERMOCOUPLES	15
C074	101	387	LEVEL (1S) \ 36 COND		18 AWG	1 CABLE-18 PAIR CHROM-ALUM T/C	THERMOCOUPLES	15
C076	101	135	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-9 TW SHLD PAIRS	INSTRUMENTATION SIGNALS	
C077	146	334	LEVEL (4) \ 3 COND		8 AWG	1 CABLE	3 PH SUPPLY	15
C080	146	335	LEVEL (3) \		12 AWG	1 CABLE	23BD-1	

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Cable Summary for Dual Fuel Conversion

CUSTOMER SUPPLIED CABLES

cable number	from	to	level / #cond	diameter / bend rad	gauge	makeup	purpose	special notes
C083	102	146	3 COND LEVEL (3) \ 12 COND		10 AWG	1 CABLE	VT SIGNALS	15
C094B	135	562	LEVEL (1) \ 8 COND		18 AWG	1 CABLE-4 TW SHLD PAIRS	SIGNAL (64F)	
C096	101	363	LEVEL (1) \ 36 COND		18 AWG	1 CABLE-18 TW SHLD PAIRS	INSTRUMENTATION SIGNALS	
C102	334	392	LEVEL (4) \ 3 COND		8 AWG	1 CABLE	3 PH SUPPLY 23QT-1,-2	15
C117A	125	208	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-6 TW SHLD TRIADS	PROXIMITORS	
C117B	126	208	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-6 TW SHLD TRIADS	PROXIMITORS	15
C117C	127	208	LEVEL (1) \ 9 COND		18 AWG	1 CABLE-3 TW SHLD TRIADS	PROXIMITORS	15
C123	136	562	LEVEL (3) \ 6 COND		10 AWG	1 CABLE	64F EXCITER FIELD	15
C125	334	392	LEVEL (4) \ 5 COND		10 AWG	1 CABLE	3 PH SUPPLY 23HA-3 & 23HT-3	15
C128	101	231	LEVEL (3) \ 6 COND		12 AWG	1 CABLE	26HT-1,-3	
C135	284	348	LEVEL (2S) \ 18 COND		18 AWG	1 CABLE-9 TW SHLD PAIRS	FIRE DETECTORS CIRCUIT (A)	
C136	284	348	LEVEL (2S) \ 18 COND		18 AWG	1 CABLE-9 TW SHLD PAIRS	FIRE DETECTORS CIRCUIT (B)	
C145	208	325	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-6 TW SHLD TRIADS	PROXIMITORS	15
C148	146	562	LEVEL (3) \ 4 COND		10 AWG	1 CABLE	CONTROL CURRENT TRANSFORMERS	15
C149	334	441	LEVEL (4) \ 3 COND		8 AWG	1 CABLE	1 PH SUPPLY 23VS-1	
C161	115	339	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	MOTOR HEATERS, AC LIGHTS	15
C171	227	234	LEVEL (2) \ 9 COND		18 AWG	1 CABLE-3 TW SHLD TRIADS	GAS DETECTORS 45HT-1, 45HT-2	
C172	114	201	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-6 TW SHLD TRIADS	RTDS 88CR-1	
C182	101	231	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	20TW DEVICES	
C190	128	339	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	MOTOR HEATER 23TK-1	
C191	101	128	LEVEL (3) \ 3 COND		12 AWG	1 CABLE	63TK-1	
C192	129	339	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	MOTOR HEATER 23TK-2	
C193	101	129	LEVEL (3) \ 3 COND		12 AWG	1 CABLE	63TK-2	
C199	122	334	LEVEL (4) \ 3 COND		8 AWG	1 CABLE	3 PH SUPPLY 88BT-1	
C199A	122	339	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	MOTOR HEATER 23BT-1	
C200	101	233	LEVEL (1S) \ 36 COND		18 AWG	1 CABLE-18 PAIR CHROM-ALUM T/C	THERMOCOUPLES	
C201	101	390	LEVEL (1) \ 8 COND		18 AWG	1 CABLE-4 TW SHLD PAIRS	96CD-1A, 96CD-1B, 96CD-1C	
C216	339	363	LEVEL (3) \ 3 COND		12 AWG	1 CABLE	AC LIGHTS	

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Cable Summary for Dual Fuel Conversion

CUSTOMER SUPPLIED CABLES

cable number	from	to	level / #cond	diameter / bend rad	gauge	makeup	purpose	special notes
C217	339	363	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	DC STANDBY LIGHTING	
C219	136	339	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	LIGHTS - RECEPTACLES	
C235A	102	146	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	CURRENT TRANSFORMERS 21-23, 60-62	15
C235B	102	146	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	CURRENT TRANSFORMERS 27-29, 48-50	15
C235C	108	146	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	CURRENT TRANSFORMERS 24-26	
C236A	102	581	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	CURRENT TRANSFORMERS 1-9, NGR	15
C236B	102	581	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	CURRENT TRANSFORMERS 7-9	15
C236C	102	146	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	CURRENT TRANSFORMERS 30-32	15
C237	146	334	LEVEL (4) \ 2 COND		6 AWG	SINGLE CONDUCTORS	125VDC BREAKER CLOSE CIRCUIT	15
C249	339	581	LEVEL (3) \ 3 COND		10 AWG	1 CABLE	23HG-20	15
C251	334	392	LEVEL (4) \ 3 COND		6 AWG	1 CABLE	3 PH. SUPPLY – IGNITION TRANSFORMERS	
C256	101	230	LEVEL (3) \ 3 COND		10 AWG	1 CABLE	120VAC SUPPLY – IGNITION TRANSFORMERS	
C257	101	231	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C270	115	339	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	LIGHTS, 26QL-1	15
C285	101	363	LEVEL (1S) \ 6 COND		18 AWG	1 CABLE-3 PAIR CHROM-ALUM T/C	THERMOCOUPLES FTG-1A,-1B,-2A,-2B	
C401	183	254	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	480V TO CUSTOMER UNIT #1	11
C402	334	939	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	480V UNIT LIGHTING	
C403	334	742	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	480V SITE LIGHTING	
C404	334	938	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	480V CEM LOADS	
C406	182	334	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	480V ALTERNATIVE POWER TO STEPUP TRANS. COOLING	13
C407	182	334	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	480V NORMAL POWER TO STEPUP TRANS. COOLING	12
C408	001	334	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	480V WELDING OUTLETS	
C409A	182	334	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	125VDC TO LOAD BREAK CKT SWITCHER	12
C409B	182	334	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	125VDC TO TRANSFORMER ANNUNCIATOR	13
C410A	254	334	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	125VDC H2235 RELAY RACK IN ROCS TRAILER REGULAR	12
C410B	254	334	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	125VDC H2235 RELAY RACK IN ROCS TRAILER BACKUP	13
C411	183	622	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	480V SUPPLY TO GAS HEATER CONTROL PANEL	
C413	622	753	LEVEL (3) \ 6 COND		18 AWG	1 CABLE-3 PAIR CHROM-ALUM T/C	THERMOCOUPLES	

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Cable Summary for Dual Fuel Conversion

CUSTOMER SUPPLIED CABLES

cable number	from	to	level / #cond	diameter / bend rad	gauge	makeup	purpose	special notes
C414	622	753	LEVEL (3) \ 3 COND		12 AWG	1 CABLE	GAS FUEL HEATER EMERGENCY STOP	
C414A	101	622	LEVEL (1) \ 6 COND		12 AWG	1 CABLE	FUEL GAS HEATER CONTROLS	
C415	183	338	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	480V SUPPLY TO AUX	
C417A	102	102	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	CT'S 7-9 & 30-31 SIGNALS GCP UNIT #2 TO GCP UNIT #1	11
C418A	102	102	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	CT'S 27-29 & 48-50 SIGNALS GCP UNIT #2 TO GCP UNIT #1	
C420A	102	254	LEVEL (3) \ 4 COND		10 AWG	1 CABLE	CUSTOMER CT'S 39-41 TO 87T	13
C420B	102	254	LEVEL (3) \ 4 COND		10 AWG	1 CABLE	CUSTOMER CT'S 42-44 TO 87U	12
C421	108	108	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	EVEN UNIT TO ODD UNIT CONTACTS	
C421A	108	108	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	ODD UNIT TO EVEN UNIT CONTACTS	
C421B	108	108	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	EVEN UNIT TO ODD UNIT CONTACTS	
C421C	108	108	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	ODD UNIT TO EVEN UNIT CONTACTS	
C422	108	108	LEVEL (3) \ 6 COND		12 AWG	1 CABLE	ODD UNIT TO EVEN UNIT CONTACTS	
C422A	108	108	LEVEL (3) \ 6 COND		12 AWG	1 CABLE	EVEN UNIT TO ODD UNIT CONTACTS	
C426	108	254	LEVEL (1) \ 12 COND		18 AWG	1 CABLE-6 TW SHLD PAIRS	96GR-1, 96AW-1, 96GV-2, 96GV-3, 96GV-1	
C426A	108	254	LEVEL (1) \ 3 COND		18 AWG	1 CABLE-1 TW SHLD TRIAD	96GG-2	
C428	101	146	LEVEL (3) \ 6 COND		12 AWG	1 CABLE	52G FAN ALARMS	
C473	101	387	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIR	39V-3A	15
C474	101	387	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIR	39V-3B	15
C480	334	514	LEVEL (3) \ 3 COND		12 AWG	1 CABLE	120VAC FOR CUSTOMER AUX POWER SUBSTATION COMPARTMENT	
C481	334	514	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	125VDC FOR CUSTOMER AUX POWER SUBSTATION	
C512	101	449	LEVEL (3) \ 7 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C513A	101	157	LEVEL (1S) \ 2 COND		18 AWG	1 CABLE-1 CHROM-ALUM T/C PAIR	AT-ID-1 THERMOCOUPLE	
C513B	101	157	LEVEL (1S) \ 2 COND		18 AWG	1 CABLE-1 CHROM-ALUM T/C PAIR	AT-ID-2 THERMOCOUPLE	
C513C	101	157	LEVEL (1S) \ 2 COND		18 AWG	1 CABLE-1 CHROM-ALUM T/C PAIR	AT-ID-3 THERMOCOUPLE	
C515	339	449	LEVEL (3) \ 3 COND		6 AWG	1 CABLE	120/240VAC SUPPLY	
C516A	101	447	LEVEL (3) \ 2 COND		12 AWG	1 CABLE	20TH-1	
C516E	101	611	LEVEL (3) \ 2 COND		12 AWG	1 CABLE	33TH-3	

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Cable Summary for Dual Fuel Conversion

CUSTOMER SUPPLIED CABLES

cable number	from	to	level / #cond	diameter / bend rad	gauge	makeup	purpose	special notes
C517A	101	447	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIR	96TH-1	
C517B	101	447	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIR	65EP-3	
C517D	101	447	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIR	96BH-1	
C517E	101	447	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIR	96BH-2	
C531	101	428	LEVEL (3) \ 6 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C532	339	428	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C533	334	438	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	3 PH. SUPPLY 88FC-1	
C534	334	438	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	3 PH. SUPPLY 88FC-2	
C535	334	438	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	3 PH. SUPPLY 88FC-3	
C537	334	438	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	3 PH. SUPPLY 88WC-1	
C538	334	438	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	3 PH. SUPPLY 88WC-2	
C544	339	428	LEVEL (3) \ 12 COND		10 AWG	1 CABLE	MOTOR HEATERS	
C549	102	254	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-6 TW SHLD TRIADS	METERING	
C549A	108	254	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-6 TW SHLD TRIADS	METERING	
C550A	101	254	LEVEL (3) \ 19 COND		12 AWG	1 CABLE	DIGITAL CONTROL SIGNALS OUT	
C550B	101	254	LEVEL (3) \ 19 COND		12 AWG	1 CABLE	DIGITAL CONTROL SIGNALS OUT	
C550C	101	254	LEVEL (3) \ 19 COND		12 AWG	1 CABLE	DIGITAL CONTROL SIGNALS OUT	
C550D	101	254	LEVEL (3) \ 19 COND		12 AWG	1 CABLE	DIGITAL CONTROL SIGNALS OUT	
C551A	101	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	DIGITAL CONTROL SIGNALS OUT	
C551B	101	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	DIGITAL CONTROL SIGNALS OUT	
C551C	101	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	DIGITAL OUTPUTS TO CUSTOMER ALARM PANEL	
C553A	101	254	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-9 TW SHLD PAIRS	ANALOGS IN/OUT	
C553B	101	254	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-9 TW SHLD PAIRS	ANALOGS IN/OUT	
C554	101	254	LEVEL (3) \ 4 COND		12 AWG	1 CABLE	REMOTE EMERGENCY TRIP R5E	
C575	149	201	LEVEL (5) \ 3 COND			SIZED BY CUSTOMER	3 PH. SUPPLY 88CR-1	
C583	183	334	LEVEL (4) \ 6 COND			2 PER PH.	3PH. 800 AMP SUPPLY FEEDER MCC1-AC	
C584	183	334	LEVEL (4) \ 6 COND			2 PER PH.	3PH. 800 AMP SUPPLY FEEDER MCC2-AC	
C590	101	201	LEVEL (3) \ 6 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C591	108	183	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	CURRENT TRANSFORMERS 51TN-2	

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Cable Summary for Dual Fuel Conversion

CUSTOMER SUPPLIED CABLES

cable number	from	to	level / #cond	diameter / bend rad	gauge	makeup	purpose	special notes
C593	108	183	LEVEL (3) \ 4 COND		10 AWG	1 CABLE	CURRENT TRANSFORMERS 50/51AT-2	
C596	201	334	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	125VDC CONTROL POWER	
C598	201	329	LEVEL (5) \ 3 COND			SIZED BY CUSTOMER	MEDIUM VOLTAGE SUPPLY	
C607	101	225	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIR	96TD-1	
C607A	225	339	LEVEL (3) \ 3 COND		12 AWG	1 CABLE	120VAC SUPPLY 96TD-1	
C610A	102	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86G1 CONTACTS TO CUSTOMER	
C610B	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86G2 CONTACTS TO CUSTOMER	
C610C	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86RE CONTACTS TO CUSTOMER	
C610D	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86AT CONTACTS TO CUSTOMER	
C610E	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86BF CONTACTS TO CUSTOMER	
C610F	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86G-1 CONTACTS TO CUSTOMER	
C610FA	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86G-2 CONTACTS TO CUSTOMER	
C610FB	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86BF CONTACTS TO CUSTOMER	
C610FC	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86RE CONTACTS TO CUSTOMER	
C610H	102	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	86T1 CONTACTS TO CUSTOMER	
C610HA	102	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	AUX 86T-1 CONTACTS TO CUSTOMER	
C610J	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	86AT CONTACTS TO CUSTOMER	
C610V	102	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CUSTOMER INTERLOCKS	
C610W	108	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CUSTOMER INTERLOCKS	
C611	102	254	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CUSTOMER TRIPS AND PERMISSIVES	
C611A	102	254	LEVEL (3) \ 6 COND		12 AWG	1 CABLE	CUSTOMER TRIPS	
C615D	101	156	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIR	96FM-1A	
C667-1	101	456	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CONTROL SIGNALS UNIT #1	11
C667-2	101	456	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CONTROL SIGNALS UNIT #1	
C667-3	101	456	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CONTROL SIGNALS UNIT #1	
C667-4	101	456	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CONTROL SIGNALS UNIT #1	
C669	183	252	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	3 PH. 480V SUPPLY WATER WASH SKID	11
C671	101	176	LEVEL (3) \ 3 COND		12 AWG	1 CABLE	63QV-1	
C672	176	334	LEVEL (4) \ 3 COND			SIZED BY CUSTOMER	3 PH. SUPPLY 88QV-1	

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Cable Summary for Dual Fuel Conversion

CUSTOMER SUPPLIED CABLES

cable number	from	to	level / #cond	diameter / bend rad	gauge	makeup	purpose	special notes
C672A	176	339	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	MOTOR HEATER 23QV-2	
C678	101	257	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-9 TW SHLD PAIRS	5 TWO WIRE TRANSDUCER PACKAGE	
C725	339	455	LEVEL (3) \ 3 COND		12 AWG	1 CABLE	CONTROL POWER SUPPLY	
C727	101	455	LEVEL (3) \ 6 COND		12 AWG	1 CABLE	63AD-4	
C743	102	201	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	59CM RELAY	
C745A	146	329	LEVEL (5) \ 3 COND			SIZED BY CUSTOMER	13.8KV TO TRANSFORMER PRIMARY	
C745B	183	329	LEVEL (5) \ 3 COND			SIZED BY CUSTOMER	13.8KV TO TRANSFORMER PRIMARY	
C776	136	151	LEVEL (3) \ 5 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C777	136	151	LEVEL (3) \ 2 COND		12 AWG	1 CABLE	120VAC SUPPLY 34GF-1	
C809	334	441	LEVEL (4) \ 3 COND		10 AWG	1 CABLE	3 PH. SUPPLY 88VL-2	
C809A	339	441	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	MOTOR HEATER 23VL-2	
C817	334	441	LEVEL (4) \ 3 COND		10 AWG	1 CABLE	3 PH. SUPPLY 88VL-1	
C817A	339	441	LEVEL (3) \ 2 COND		10 AWG	1 CABLE	MOTOR HEATER 23 VL-1	
C819	101	563	LEVEL (3) \ 19 COND		12 AWG	1 CABLE	71GS-1, -2A, -2B, -2C	
C849	201	339	LEVEL (3) \ 3 COND		10 AWG	1 CABLE	23LC HEATER	
C870	101	284	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C871	284	339	LEVEL (3) \ 3 COND		12 AWG	1 CABLE	120VAC SUPPLY	
C872	284	339	LEVEL (3) \ 12 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
C874	284	339	LEVEL (4) \ 3 COND		10 AWG	1 CABLE	3 PH SUPPLY 88RC-1	
S875	101	115	LEVEL(3) \ 19 COND		12AWG	1 CABLE	CONTROL SIGNALS	
S876	101	114	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-9 TW SHLD PAIRS	CONTROL SIGNALS	
S877	101	174	LEVEL (1) \ 18 COND		18 AWG	1 CABLE-9 TW SHLD PAIRS	CONTROL SIGNALS	
S878	101	236	LEVEL (1) \ 12 COND		18 AWG	1 CABLE-6 TW SHLD PAIRS	CONTROL SIGNALS	
S879	101	173	LEVEL(3) \ 19 COND		12AWG	1 CABLE	CONTROL SIGNALS	
C880	101	942	LEVEL(3) \ 19 COND		12AWG	1 CABLE	CONTROL SIGNALS	
S881	101	429	LEVEL(3) \ 8 COND		12AWG	1 CABLE	CONTROL SIGNALS	
S882	101	231	LEVEL(3) \ 19 COND		12AWG	1 CABLE	CONTROL SIGNALS	
C883	101	942	LEVEL(3) \ 19 COND		12AWG	1 CABLE	CONTROL SIGNALS	
S884	429	392	LEVEL(4) \ 3COND		4 AWG	1 CABLE	3 PH. SUPPLY 88AB-1	

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Cable Summary for Dual Fuel Conversion

CUSTOMER SUPPLIED CABLES

cable number	from	to	level / #cond	diameter / bend rad	gauge	makeup	purpose	special notes
C885	183	175	LEVEL(4) \ 3COND			SIZED BY CUSTOMER	3 PH. SUPPLY 88WN-1	
S886	429	115	LEVEL(4) \ 2COND		10AWG	1 CABLE	3 PH. SUPPLY 23AB-1	
C887	942	941	LEVEL(4) \ 3COND			SIZED BY CUSTOMER	3 PH. SUPPLY P203A	
C888	942	941	LEVEL(4) \ 3COND			SIZED BY CUSTOMER	3 PH. SUPPLY P203B	
C889	942	940	LEVEL(4) \ 3COND			SIZED BY CUSTOMER	3 PH. SUPPLY P400A	
C890	942	940	LEVEL(4) \ 3COND			SIZED BY CUSTOMER	3 PH. SUPPLY P400B	
S891	101	430	LEVEL(3) \ 4 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
S892	101	430	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIRS	CONTROL SIGNALS	
S893	101	427	LEVEL(3) \ 4 COND		12 AWG	1 CABLE	CONTROL SIGNALS	
S894	101	427	LEVEL (1) \ 2 COND		18 AWG	1 CABLE-1 TW SHLD PAIRS	CONTROL SIGNALS	

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Cable Summary for Dual Fuel Conversion

CUSTOMER SUPPLIED GROUND CABLES

cable number	to	from	level / #cond	diameter / bend rad	gauge	makeup	purpose	special notes
CG1007	254	901	LEVEL (4) \ 1 COND		1/0 AWG	BARE CONDUCTOR	GROUND GRID CABLE	
CG1008	333	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG1031	230	901	LEVEL (4) \ 1 COND		1/0 AWG	BARE CONDUCTOR	GROUND GRID CABLE	
CG1032	231	901	LEVEL (4) \ 1 COND		1/0 AWG	BARE CONDUCTOR	GROUND GRID CABLE	
CG1033	233 3	901	LEVEL (4) \ 1 COND		1/0 AWG	BARE CONDUCTOR	GROUND GRID CABLE	
CG1034	234	901	LEVEL (4) \ 1 COND		1/0 AWG	BARE CONDUCTOR	GROUND GRID CABLE	
CG1038	381	901	LEVEL (4) \ 1 COND		1/0 AWG	BARE CONDUCTOR	GROUND GRID CABLE	
CG1051	280	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG1059	335	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG902	157	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG906	182	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG907	146	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG910	161	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG914	121	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG915	119	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG920	134	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG926	171	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG927	176	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG928	252	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	11
CG929	172	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG931	183	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG933	201	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG954	158	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG964	128	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG965	129	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	
CG983	283	901	LEVEL (4) \ 2 COND		4/0 AWG	BARE CONDUCTORS	GROUND GRID CABLE	

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001 WELDING RECEPTACLE ONE

cable	to	lev	#cnd	gauge
C408	334 PEECC MOTOR CONTROL CENTER	4	3	

101 TURBINE CONTROL PANEL

cable	to	lev	#cnd	gauge
C1001	136 JB005B GENERATOR COMPARTMENT LEVEL 3	3	19	12 AWG
C006	363 JB130 GAS FUEL MODULE	1	36	18 AWG
C014	363 JB130 GAS FUEL MODULE	3	37	12 AWG
C017	135 JB005A GENERATOR COPARTMENT LOW FUEL LEVEL	1	36	18 AWG
C018	135 JB005A GENERATOR COPARTMENT LOW FUEL LEVEL	1S	18	18 AWG
C037	115 JB002 ACCESSORY BASSE LEVEL 3	3	37	12 AWG
C038	234 JB020B TURBINE OFF BASE RACK LOW LEVEL	1	36	18 AWG
C039	233 JB020A TURBINE OFF BASE RACK LOW LEVEL	1S	18	18 AWG
C041	233 JB020A TURBINE OFF BASE RACK LOW LEVEL	1S	18	18 AWG
C042	230 JB019A TURBINE OFF BASE RACK LEVEL 3	3	19	12 AWG
C073	387 JB020G TURBINE COMPARTMENT LOW LEVEL	1S	36	18 AWG
C074	387 JB020G TURBINE COMPARTMENT LOW LEVEL	1S	36	18 AWG
C076	135 JB005A GENERATOR COMPARTMENT LOW LEVEL	1	18	18 AWG
C096	363 JB130 GAS FUEL MODULE	1	36	18 AWG
C128	231 JB019B TURBINE OFF BASE RACK LEVEL 3	3	6	12 AWG
C182	231 JB019B TURBINE OFF BASE RACK LEVEL 3	3	12	12 AWG
C191	128 EXHAUST FRAME BLOWER 88TK-1	3	3	12 AWG
C193	128 EXHAUST FRAME BLOWER 88TK-2	3	3	12 AWG
C200	233 JB020A TURBINE OFF BASE RACK LOW LEVEL	1S	36	18 AWG
C201	390 JB034 TURBINE ROOF LOW LEVEL	1	8	18 AWG
C256	230 JB019A TURBINE OFF BASE RACK LEVEL 3	3	3	10 AWG
C257	231 JB019B TURBINE OFF BASE RACK LEVEL 3	3	12	12 AWG
C285	363 JB130 GAS FUEL MODULE	1S	6	18 AWG
C414A	622 FUEL GAS HEATER CONTROL PANEL	3	7	12 AWG
C428	146 METALCLAD SWITCHGEAR	3	6	12 AWG
C473	387 JB020G TURBINE COMPARTMENT LOW LEVEL	1	2	18 AWG
C474	387 JB020G TURBINE COMPARTMENT LOW LEVEL	1	2	18 AWG
C512	449 JB078 TURB. AIR INLET FILTER COMPARTMENT	3	7	12 AWG
C513A	157 TURBINE AIR INLET FILTER COMPARTMENT	1S	2	18 AWG
C513B	157 TURBINE AIR INLET FILTER COMPARTMENT	1S	2	18 AWG
C513C	157 TURBINE AIR INLET FILTER COMPARTMENT	1S	2	18 AWG
C516A	447 INLET HEATING CONTROL VALVE	3	2	12 AWG
C516E	611 INLET HEATING ISOLATION VALVE	3	2	12 AWG
C517A	447 INLET HEATING CONTROL VALVE	1	2	18 AWG
C517B	447 INLET HEATING CONTROL VALVE	1	2	18 AWG
C517D	447 INLET HEATING CONTROL VALVE	1	2	18 AWG
C517E	447 INLET HEATING CONTROL VALVE	1	2	18 AWG
C531	428 JB090 COOLING WATER MODULE LEVEL 3	3	6	12 AWG
C550A	254 CUSTOMER DEVICES--PANELS	3	19	12 AWG
C550B	254 CUSTOMER DEVICES--PANELS	3	19	12 AWG
C550C	254 CUSTOMER DEVICES--PANELS	3	19	12 AWG
C550D	254 CUSTOMER DEVICES--PANELS	3	19	12 AWG
C551A	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C551B	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C551C	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C553A	254 CUSTOMER DEVICES--PANELS	1	18	18 AWG
C553B	254 CUSTOMER DEVICES--PANELS	1	18	18 AWG
C554	254 CUSTOMER DEVICES--PANELS	3	4	12 AWG

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Cable Summary for Dual Fuel Conversion

101 TURBINE CONTROL PANEL

cable	to	lev	#cnd	gauge
C590	201 LIMIT AMP	3	6	12 AWG
C607	225 RELATIVE HUMIDITY SENSOR	1	2	18 AWG
C615D	156 FUEL GAS FLOW DEVICES	1	2	18 AWG
C667-1	456 JB010 WATER WASH SKID LEVEL 3	3	12	12 AWG
C667-2	456 JB010 WATER WASH SKID LEVEL 3	3	12	12 AWG
C667-3	456 JB010 WATER WASH SKID LEVEL 3	3	12	12 AWG
C667-4	456 JB010 WATER WASH SKID LEVEL 3	3	12	12 AWG
C671	176 LUBE OIL DEMISTER (TURBINE)	3	3	12 AWG
C678	257 JB037 PERFORMANCE MONITORING LOW LEVEL	1	18	18 AWG
C727	455 JB297 AIR PROCESS SKID LEVEL 3	3	6	12 AWG
C819	563 JB386 GAS SCRUBBER LEVEL 3	3	19	12 AWG
C870	284 FIRE PROTECTION PANEL	3	12	12 AWG
S875	115 JB002 ACCESSORY BASE LEVEL 3	3	19	12 AWG
S876	114 JB001 ACCESSORY BASE LOW LEVEL	1	18	18 AWG
S877	174 JB79 WATER INJECTION SKID LEVEL 1	1	18	18 AWG
S878	236 TURBINE ROOF LOW LEVEL	1	12	18 AWG
S879	173 JB72 WATER INJECTION SKID LEVEL 3	3	19	12 AWG
C880	942 CUSTOMER SUPPLIED MCC	3	19	12 AWG
S881	429 88AB-1 MCC CUBICLE	3	8	12 AWG
S882	231 JB019B TURBINE OFF BASE LEVEL-3	3	19	12 AWG
C883	942 CUSTOMER SUPPLIED MCC	3	19	12 AWG
S891	430 DEMIN WATER FORWARDING JB01	3	4	12 AWG
S892	430 DEMIN WATER FORWARDING JB01	1	2	18 AWG
S893	427 LIQUID FUEL FORWARDING JB01	3	4	12 AWG
S894	427 LIQUID FUEL FORWARDING JB01	1	2	18 AWG

102 GENERATOR CONTROL PANEL

cable	to	lev	#cnd	Gauge
C049	146 METALCLAD WITCHGEAR	3	37	12 AWG
C083	146 METALCLAD WITCHGEAR	3	12	10 AWG
C235A	146 METALCLAD WITCHGEAR	3	12	10 AWG
C235B	146 METALCLAD WITCHGEAR	3	12	10 AWG
C236A	581 JB005N GEN. NUETRAL ACCESSORIES COMP. LEVEL 3	3	12	10 AWG
C236B	581 JB005N GEN. NUETRAL ACCESSORIES COMP. LEVEL 3	3	12	10 AWG
C236C	146 METALCLAD WITCHGEAR	3	12	10 AWG
C417A	102 GENERATOR CONTROL PANEL	3	12	10 AWG
C418A	102 GENERATOR CONTROL PANEL	3	12	10 AWG
C420A	254 CUSTOMER DEVICES--PANELS	3	4	10 AWG
C420B	254 CUSTOMER DEVICES--PANELS	3	4	10 AWG
C549	254 CUSTOMER DEVICES--PANELS	1	18	18 AWG
C610A	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610H	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610HA	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610V	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C611	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C611A	254 CUSTOMER DEVICES--PANELS	3	6	12 AWG
C743	201 LIMIT AMP	3	2	10 AWG

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Cable Summary for Dual Fuel Conversion

108 AUXILIARY REPLAY PANEL

cable	to	lev	#cnd	Gauge
C235C	146 METAL CLAD SWITCHGEAR	3	12	10 AWG
C421	108 AUXILIARY PANEL	3	12	12 AWG
C421A	108 AUXILIARY PANEL	3	12	12 AWG
C421B	108 AUXILIARY PANEL	3	12	12 AWG
C421C	108 AUXILIARY PANEL	3	12	12 AWG
C422	108 AUXILIARY PANEL	3	6	12 AWG
C422A	108 AUXILIARY PANEL	3	6	12 AWG
C426	254 CUSTOMER DEVICES--PANELS	1	12	18 AWG
C426A	254 CUSTOMER DEVICES--PANELS	1	3	18 AWG
C549A	254 CUSTOMER DEVICES--PANELS	1	18	18 AWG
C591	183 AUXILIARY POWER TRANSFORMER	3	2	10 AWG
C593	183 AUXILIARY POWER TRANSFORMER	3	4	10 AWG
C610B	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610C	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610D	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610E	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610F	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610FA	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610FB	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610FC	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610J	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG
C610W	254 CUSTOMER DEVICES--PANELS	3	12	12 AWG

114 JB001 ACCESSORY BASE LOW LEVEL

cable	to	lev	#cnd	Gauge
C172	201 LIMIT AMP	1	18	18 AWG
S876	101 TURBINE CONTROL PANEL	1	18	18 AWG

115 JB001 ACCESSORY BASE LEVEL 3

cable	to	lev	#cnd	Gauge
C037	101 TURBINE CONTROL PANEL	3	37	12 AWG
C161	339 JB298 PEECC LEVEL 3	3	12	10 AWG
C270	339 JB298 PEECC LEVEL 3	3	12	12 AWG
S875	101 TURBINE CONTROL PANEL	3	19	12 AWG
S886	429 88AB-1 MCC CUBICLE	3	2	10 AWG

118 ACCESSORY BASE MOTORS

cable	to	lev	#cnd	Gauge
C027	334 PEECC MOTOR CONTROL CENTER	4	3	2 AWG

119 ACCESSORY BASE

cable	to	lev	#cnd	Gauge
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Cable Summary for Dual Fuel Conversion

CG915	901 CUSTOMER GROUND GRID	4	2	4/0 AWG
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121 TURBINE BASE

cable	to	lev	#cnd	Gauge
CG914	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

122 TURBINE ROOF MOUNTED DEVICES

cable	to	lev	#cnd	Gauge
C199	334 PEECC MOTOR CONTROL CENTER	4	3	8 AWG
C199A	339 JB298 PEECC LEVEL 3	3	2	10 AWG

125 JB055 TURBINE BASE LOW LEVEL

cable	to	lev	#cnd	Gauge
C117A	208 VIBRATION MONITOR PANEL	1	18	18 AWG

126 JB056 TURBINE BASE LOW LEVEL

cable	to	lev	#cnd	Gauge
C117B	208 VIBRATION MONITOR PANEL	1	18	18 AWG

127 JB085 LOAD GEAR COMPARTMENT LOW LEVEL

cable	to	lev	#cnd	Gauge
C117C	208 VIBRATION MONITOR PANEL	1	9	18 AWG

128 EXHAUST FRAME BLOWER 88TK-1

cable	To	lev	#cnd	Gauge
C071	334 PEECC MOTOR CONTROL CENTER	4	3	
C190	339 JB298 PEECC LEVEL 3	3	2	10 AWG
C191	101 TURBINE CONTROL PANEL	3	3	12 AWG
CG964	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

129 EXHAUST FRAME BLOWER 88TK-2

cable	To	lev	#cnd	Gauge
C072	334 PEECC MOTOR CONTROL CENTER	4	3	
C192	339 JB298 PEECC LEVEL 3	3	2	10 AWG
C193	101 TURBINE CONTROL PANEL	3	3	12 AWG
CG965	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

133 JB005C GENERATOR COMPARTMENT LEVEL 4

cable	To	lev	#cnd	Gauge
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Cable Summary for Dual Fuel Conversion

C059	334 PEECC MOTOR CONTROL CENTER	4	3	10 AWG
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134 GENERATOR COMPARTMENT

cable	To	lev	#cnd	Gauge
CG920	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

135 JB005A GENERATOR COMPARTMENT LOW LEVEL

cable	To	lev	#cnd	Gauge
C017	101 TURBINE CONTROL PANEL	1	36	18 AWG
C018	101 TURBINE CONTROL PANEL	1S	18	18 AWG
C076	101 TURBINE CONTROL PANEL	1	18	18 AWG
C094B	562 STATIC VOLTAGE REGULATOR—EX2000R	1	8	18 AWG

136 JB005B GENERATOR COMPARTMENT LEVEL 3

cable	To	lev	#cnd	Gauge
C001	101 TURBINE CONTROL PANEL	3	19	12 AWG
C123	562 STATIC VOLTAGE REGULATOR--EX2000R	3	6	10 AWG
C219	339 JB298 PEECC LEVEL 3	3	12	12 AWG
C776	151 JB215 GENERATOR FILTER SEQUENCER	3	5	12 AWG
C777	151 JB215 GENERATOR FILTER SEQUENCER	3	2	12 AWG

146 METALCLAD SWITCHGEAR

cable	To	lev	#cnd	Gauge
C049	102 GENERATOR CONTROL PANEL	3	37	12 AWG
C077	334 PEECC MOTOR CONTROL CENTER	4	3	8 AWG
C080	335 BUS DUCT	3	3	12 AWG
C083	102 GENERATOR CONTROL PANEL	3	12	10 AWG
C148	562 STATIC VOLTAGE REGULATOR--EX2000R	3	4	10 AWG
C235A	102 GENERATOR CONTROL PANEL	3	12	10 AWG
C235B	102 GENERATOR CONTROL PANEL	3	12	10 AWG
C235C	108 AUXILIARY RELAY PANEL	3	12	10 AWG
C36C	102 GENERATOR CONTROL PANEL	3	12	10 AWG
C237	334 PEECC MOTOR CONTROL CENTER	4	2	6 AWG
C428	101 TURBINE CONTROL PANEL	3	6	12 AWG
C745A	329 CRANKING MOTOR TRANSFORMER	5	3	
CG907	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

149 CRANKING MOTOR

cable	To	lev	#cnd	Gauge
C575	201 LIMIT LAMP	5	3	

151 JB215 GENERATOR FILTER SEQUENCER

cable	To	lev	#cnd	Gauge
C776	136 JB005B GENERATOR COMPARTMENT LEVEL 3	3	5	12 AWG

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Cable Summary for Dual Fuel Conversion

C777	136 JB005B GENERATOR COMPARTMENT LEVEL 3	3	2	12 AWG
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156 FUEL GAS FLOW DEVICES

cable	To	lev	#cnd	Gauge
C615D	101 TURBINE CONTROL PANEL	1	2	18 AWG

157 TURBINE AIR INLET FILTER COMPARTMENT

cable	To	lev	#cnd	Gauge
C513A	101 TURBINE CONTROL PANEL	1S	2	18 AWG
C513B	101 TURBINE CONTROL PANEL	1S	2	18 AWG
C513C	101 TURBINE CONTROL PANEL	1S	2	18 AWG
CG902	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

158 JB005B GAS SCRUBBER

cable	To	lev	#cnd	Gauge
CG954	901 CUSTOMER GROUND PANEL	4	2	4/0 AWG

161 COOLING WATER MODULE #1

cable	To	lev	#cnd	Gauge
CG910	901 CUSTOMER GOUND GRID	4	2	4/0 AWG

171 GAS FUEL (VALVE) MODULE

cable	To	lev	#cnd	Gauge
CG926	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

172 AIR PROCESS SKID

cable	To	lev	#cnd	Gauge
CG929	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

173 JB72 WATER INJECTION SKID LEVEL 3

cable	To	lev	#cnd	Gauge
S879	101 TURBINE CONTROL PANEL	3	19	12 AWG

174 JB79 WATER INJECTION SKID LEVEL 1

cable	To	lev	#cnd	Gauge
S877	101 TURBINE CONTROL PANEL	1	18	18 AWG

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Cable Summary for Dual Fuel Conversion

175 WATER INJECTION SKID 480 VOLT SUPPLY

cable	To	lev	#cnd	Gauge
C885	183 AUXILIARY POWER TRANSFORMER	1	3	CUST

176 LUBE OIL DEMISTER (TURBINE)

cable	To	lev	#cnd	Gauge
C671	101 TURBINE CONTROL PANEL	3	3	12 AWG
C672	334 PEECC MOTOR CONTROL CENTER	4	3	
C672A	339 JB298 PEECC LEVEL 3	3	2	10 AWG
CG927	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

182 MAIN TRANSFORMER (STEP UP)

cable	To	lev	#cnd	Gauge
C406	334 PEECC MOTOR CONTROL CENTER	4	3	
C407	334 PEECC MOTOR CONTROL CENTER	4	3	
C409A	334 PEECC MOTOR CONTROL CENTER	3	2	10 AWG
C409B	334 PEECC MOTOR CONTROL CENTER	3	2	10 AWG
CG906	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

183 AUXILIARY POWER TRANSFORMER

cable	To	lev	#cnd	Gauge
C401	254 CUSTOMER DEVICES--PANELS	4	3	
C411	622 FUEL GAS HEATER CONTROL PANEL	4	3	
C415	338 CUSTOMER 480V SUPPLY	4	3	
C583	334 PEECC MOTOR CONTROL CENTER	4	6	
C584	334 PEECC MOTOR CONTROL CENTER	4	6	
C591	108 AUXILIARY RELAY PANEL	3	2	10 AWG
C593	108 AUXILIARY RELAY PANEL	3	4	10 AWG
C669	252 WATER WASH SKID	4	3	
C745B	329 CRANKING MOTOR TRANSFORMER	5	3	
CG931	901 CUSTOMER GROUND GRID	4	2	4/0 AWG
C885	175 WATER INJECTION SKID 480 VOLT SUPPLY	4	3	CUST

201 LIMIT AMP

cable	To	lev	#cnd	Gauge
C172	114 JB001 ACCESSORY BASE LOW LEVEL	1	18	18 AWG
C575	149 CRANKING MOTOR	5	3	
C590	101 TURBINE CONTROL PANEL	3	6	12 AWG
C596	334 PEECC MOTOR CONTROL CENTER	3	2	10 AWG
C598	329 CRANKING MOTOR TRANSFORMER	5	3	
C743	102 GENERATOR CONTROL PANEL	3	2	10 AWG
C849	339 JB298 PEECC LEVEL 3	3	3	10 AWG
CG933	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

208 VIBRATION MONITOR PANEL

cable	To	lev	#cnd	Gauge
C117A	125 JB055 TURBINE BASE LOW LEVEL	1	18	18 AWG
C117B	126 JB056 TURBINE BASE LOW LEVEL	1	18	18 AWG

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Cable Summary for Dual Fuel Conversion

C117A	127 JB085 LOAD GEAR COMPARTMENT LOW LEVEL	1	9	18 AWG
C145	325 JB163 GENERATOR COMPARTMENT LOW LEVEL	1	8	18 AWG

225 RELATIVE HUMIDITY SENSOR

cable	To	lev	#cnd	Gauge
C607	101 TURBINE CONTROL PANEL	1	2	18 AWG
C607A	339 JB298 PEEC LEVEL 3	3	3	12 AWG

227 HAZARDOUS GAS MONITOR

cable	To	lev	#cnd	Gauge
C022	363 JB130 GAS FUEL MODULE	2	9	18 AWG
C171	234 JB020B TURBINE OFF BASE RACK LOW LEVEL	2	9	18 AWG

230 JB019A TURBINE OFF BASE RACK LEVEL 3

cable	To	lev	#cnd	Gauge
C042	101 TURBINE CONTROL PANEL	3	19	12 AWG
C256	101 TURBINE CONTROL PANEL	3	3	10 AWG
CG1031	901 CUSTOMER GROUND GRID	4	1	1/0 AWG

231 JB019B TURBINE OFF BASE RACK LEVEL 3

cable	To	lev	#cnd	Gauge
C128	101 TURBINE CONTROL PANEL	3	6	12 AWG
C182	101 TURBINE CONTROL PANEL	3	12	12 AWG
C257	101 TURBINE CONTROL PANEL	3	12	12 AWG
CG1032	901 CUSTOMER GROUND GRID	4	1	1/0 AWG
S882	101 TURBINE CONTROL PANEL	3	19	12 AWG

233 JB020A TURBINE OFF BASE RACK LOW LEVEL

cable	To	lev	#cnd	Gauge
C039	101 TURBINE CONTROL PANEL	1S	18	18 AWG
C041	101 TURBINE CONTROL PANEL	1S	18	18 AWG
C200	101 TURBINE CONTROL PANEL	1S	36	18 AWG
CG1033	901 CUSTOMER GROUND GRID	4	1	1V AWG

234 JB020B TURBINE OFF BASE RACK LOW LEVEL

cable	To	lev	#cnd	Gauge
C009A	751 FLAME DETECTOR INTERFACE MODULE PRIMARY	3S	8	18 AWG
C009B	752 FLAME DETECTOR INTERFACE MODULE SECONDARY	3S	8	18 AWG
C038	101 TURBINE CONTROL PANEL	1	36	18 AWG
C171	227 HAZARDOUS GAS MONITOR	2	9	18 AWG
CG1034	901 CUSTOMER GROUND GRID	4	1	1/0 AWG

236 TURBINE ROOF LOW LEVEL

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Cable Summary for Dual Fuel Conversion

cable	To	lev	#cnd	Gauge
S878	101 TURBINE CONTROL PANEL	1	12	18 AWG

252 WATER WASH SKID

cable	To	lev	#cnd	Gauge
C669	183 AUXILIARY POWER TRANSFORMER	4	3	
CG928	901 CUSTOMER GRUOND GRID	4	2	4/0 AWG

254 CUSTOMER DEVICES - PANELS

cable	To	lev	#cnd	Gauge
C401	183 AUXILIARY POWER TRANSFORMER	4	3	
C410A	334 PEECC MOTOR CONTROL CENTER	3	2	10 AWG
C410B	334 PEECC MOTOR CONTROL CENTER	3	2	10 AWG
C420A	102 GENERATOR CONTROL PANEL	3	4	10 AWG
C420B	102 GENERATOR CONTROL PANEL	3	4	10 AWG
C426	108 AUXILIARY RELAY PANEL	1	12	18 AWG
C426A	108 AUXILIARY RELAY PANEL	1	3	18 AWG
C549	102 GENERATOR CONTROL PANEL	1	18	18 AWG
C549A	108 AUXILIARY RELAY PANEL	1	18	18 AWG
C550A	101 TURBINE CONTROL PANEL	3	19	12 AWG
C550B	101 TURBINE CONTROL PANEL	3	19	12 AWG
C550C	101 TURBINE CONTROL PANEL	3	19	12 AWG
C550D	101 TURBINE CONTROL PANEL	3	19	12 AWG
C551A	101 TURBINE CONTROL PANEL	3	12	12 AWG
C550B	101 TURBINE CONTROL PANEL	3	12	12 AWG
C551C	101 TURBINE CONTROL PANEL	3	12	12 AWG
C553A	101 TURBINE CONTROL PANEL	1	18	18 AWG
C553B	101 TURBINE CONTROL PANEL	1	18	18 AWG
C554	101 TURBINE CONTROL PANEL	3	4	12 AWG
C610A	102 GENERATOR CONTROL PANEL	3	12	12 AWG
C610B	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C610C	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C610D	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C610E	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C610F	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C610FA	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C610FB	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C610FC	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C610H	102 GENERATOR CONTROL PANEL	3	12	12 AWG
C610HA	102 GENERATOR CONTROL PANEL	3	12	12 AWG
C610J	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C610V	102 GENERATOR CONTROL PANEL	3	12	12 AWG
C610W	108 AUXILIARY RELAY PANEL	3	12	12 AWG
C611	102 GENERATOR CONTROL PANEL	3	12	12 AWG
C611A	102 GENERATOR CONTROL PANEL	3	6	12 AWG
CG1007	901 CUSTOMER GROUND GRID	4	1	1/0 AWG

257 JB037 PERFORMANCE MONITORING LOW LEVEL

cable	To	lev	#cnd	Gauge
C678	101 TURBINE CONTROL PANEL	1	18	18 AWG

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Cable Summary for Dual Fuel Conversion

280 GENERATOR NEUTRAL ACCESSORY COMPARTMENT GNAC

cable	To	lev	#cnd	Gauge
CG1051	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

283 FIRE PROTECTION DEVICES

cable	To	lev	#cnd	Gauge
CG983	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

284 FIRE PROTECTION PANEL

cable	To	lev	#cnd	Gauge
C135	384 JB077A ACCESSORY BASE FP	2S	18	18 AWG
C136	384 JB077A ACCESSORY BASE FP	2S	18	18 AWG
C870	101 TURBINE CONTROL PANEL	3	12	12 AWG
C871	339 JB298 PEECC LEVEL 3	3	3	12 AWG
C872	339 JB298 PEECC LEVEL 3	3	12	12 AWG
C874	339 JB298 PEECC LEVEL 3	4	3	10 AWG

325 JB163 GENERATOR COMPARTMENT LOW LEVEL

cable	To	lev	#cnd	Gauge
C145	208 VIBRATION MONITOR PANEL	1	18	18 AWG

329 CRANKING MOTOR TRANSFORMER

cable	To	lev	#cnd	Gauge
C598	LIMIT AMP	5	3	
C745A	METALCLAD SWITCHGEAR	5	3	
C745B	AUXILIARY POWER TRANSFORMER	3	3	

333 PACKAGED ELECTRICAL-ELECTRONIC CONTROL CENTER-PEECC

cable	To	lev	#cnd	Gauge
CG1008	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

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Cable Summary for Dual Fuel Conversion

334 PEECC MOTOR CONTROL CENTER

cable	To	lev	#cnd	Gauge
C012	392 J004 ACCESSORY BASE LEVEL 4	4	3	4 AWG
C013C	392 J004 ACCESSORY BASE LEVEL 4	4	3	10 AWG
C027	118 ACCESSORY BASE MOTORS	4	3	2 AWG
C028	392 J004 ACCESSORY BASE LEVEL 4	4	3	8 AWG
C055A	381 JB021A TURBINE OFF CASE RACK LEVEL 4	4	3	8 AWG
C055B	381 JB021A TURBINE OFF CASE RACK LEVEL 4	4	3	8 AWG
C059	133 JB005C GENERATOR COMPARTMENT LEVEL 4	4	3	10 AWG
C071	128 EXHAUST FRAME BLOWER 88TK-1	4	3	
C072	129 EXHAUST FRAME BLOWER 88TK-2	4	3	
C077	146 METALCLAD SWITCHGEAR	4	3	8 AWG
C102	392 J004 ACCESSORY BASE LEVEL 4	4	3	8 AWG
C125	392 J004 ACCESSORY BASE LEVEL 4	4	5	10 AWG
C149	441 JB131 GAS FUEL MODULE LEVEL 4	4	3	8 AWG
C199	122 TURBINE ROOF MOUNTED DEVICES	4	3	8 AWG
C237	146 METALCLAD SWITCHGEAR	4	2	6 AWG
C251	392 J004 ACCESSORY BASE LEVEL 4	4	3	6 AWG
C402	939 UNIT AREA OUTDOOR LIGHTING	4	3	
C403	742 SITE LIGHTS	4	3	
C404	938 CEMS SYSTEM	4	3	
C406	182 MAIN TRANSFORMER (STEP UP)	4	3	
C407	182 MAIN TRANSFORMER (STEP UP)	4	3	
C408	001 WELDING RECEPTACLE ONE	4	3	
C409A	182 MAIN TRANSFORMER (STEP UP)	3	2	10 AWG
C409B	182 MAIN TRANSFORMER (STEP UP)	3	2	10 AWG
C410A	254 CUSTOMER DECIVES--PANELS	3	2	10 AWG
C410B	254 CUSTOMER DECIVES--PANELS	3	2	10 AWG
C480	514 CUSTOMER SWITCHGEAR	3	3	12 AWG
C481	514 CUSTOMER SWITCHGEAR	3	2	10 AWG
C533	438 JB090A COOLING WATER MODULE LEVEL 4	4	3	
C534	438 JB090A COOLING WATER MODULE LEVEL 4	4	3	
C535	438 JB090A COOLING WATER MODULE LEVEL 4	4	3	
C537	438 JB090A COOLING WATER MODULE LEVEL 4	4	3	
C538	438 JB090A COOLING WATER MODULE LEVEL 4	4	3	
C583	183 AUXILIARY POWER TRANSFORMER	4	6	
C584	183 AUXILIARY POWER TRANSFORMER	4	6	
C596	201 LIMIT AMP	3	2	10 AWG
C672	176 LUBE OIL DEMISTER (TURBINE)	4	3	
C809	441 JB131 GAS FUEL MODULE LEVEL 4	4	3	10 AWG
C817	441 JB131 GAS FUEL MODULE LEVEL 4	4	3	10 AWG

335 BUS DUCT

cable	To	lev	#cnd	Gauge
C080	146 METALCLAD SWITCHGEAR	3	3	12 AWG
CG1059	901 CUSTOMER GROUND GRID	4	2	4/0 AWG

338 CUSTOMER 480V SUPPLY

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Cable Summary for Dual Fuel Conversion

cable	To	lev	#cnd	Gauge
C415	183 AUXILIARY POWER TRANSFORMER	4	3	

339 JB298 PEECC LEVEL 3

cable	To	lev	#cnd	Gauge
C161	115 JB002 ACCESSORY BASE LEVEL 3	3	12	10 AWG
C190	128 EXHAUST FRAME BLOWER 88TK-1	3	2	10 AWG
C192	129 EXHAUST FRAME BLOWER 88TK-2	3	2	10 AWG
C199A	122 TURBINE ROOF MOUNTED DEVICES	3	2	10 AWG
C216	363 JB130 GAS FUEL MODULE	3	3	12 AWG
C217	363 JB130 GAS FUEL MODULE	3	2	10 AWG
C219	136 JB005B GENERATOR COMPARTMENT LEVEL 3	3	12	12 AWG
C249	581 JB005N GEN. NEUTRAL ACCESSORIES COMP. LEVEL 3	3	3	10 AWG
C270	115 JB002 ACCESSORY BASE LEVEL 3	3	12	12 AWG
C515	449 JB078 TURB. AIR INLET FILTER CMOPARTMENT	3	3	6 AWG
C532	428 JB090 COOLING WATER MODULE LEVEL 3	3	12	12 AWG
C544	428 JB090 COOLING WATER MODULE LEVEL 3	3	12	10 AWG
C607A	225 RELATIVE HUMIDITY SENSOR	3	3	12 AWG
C672A	176 LUBE OIL DEMISTER (TURBINE)	3	2	10 AWG
C725	455 JB297 AIR PROCESS SKID LEVEL 3	3	3	12 AWG
C809A	441 JB131 GAS FUEL MODULE LEVEL 4	3	2	10 AWG
C817A	441 JB131 GAS FUEL MODULE LEVEL 4	3	2	10 AWG
C849	201 LIMIT AMP	3	3	10 AWG
C871	284 FIRE PROTECTION PANEL	3	3	12 AWG
C872	284 FIRE PROTECTION PANEL	3	12	12 AWG
C874	284 FIRE PROTECTION PANEL	4	3	10 AWG

348 JB077A ACCESSORY BASE FP

cable	To	lev	#cnd	Gauge
C135	284 FIRE PROTECTION PANEL	2S	18	18 AWG
C136	284 FIRE PROTECTION PANEL	2S	18	18 AWG

363 JB130 GAS FUEL MODULE

cable	To	lev	#cnd	Gauge
C006	101 TURBINE CONTROL PANEL	1	36	18 AWG
C014	101 TURBINE CONTROL PANEL	3	37	12 AWG
C022	227 HAZARDOUS GAS MONITOR	2	9	18 AWG
C096	101 TURBINE CONTROL PANEL	1	36	18 AWG
C216	339 JB298 PEECC LEVEL 3	3	3	12 AWG
C217	339 JB298 PEECC LEVEL 3	3	2	10 AWG
C285	101 TURBINE CONTROL PANEL	1S	6	18 AWG

381 JB021A TURBINE OFF BASE RACK LEVEL 4

cable	To	lev	#cnd	Gauge
C055A	334 PEECC MOTOR CONTROL CENTER	4	3	8 AWG
C055B	334 PEECC MOTOR CONTROL CENTER	4	3	8 AWG
CG1038	901 CUSTOMER GROUND GRID	4	1	1/0 AWG

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Cable Summary for Dual Fuel Conversion

387 JB020G TURBINE COMPARTMENT LOW LEVEL

cable	To	lev	#cnd	Gauge
C073	101 TURBINE CONTROL PANEL	1S	36	18 AWG
C074	101 TURBINE CONTROL PANEL	1S	36	18 AWG
C473	101 TURBINE CONTROL PANEL	1	2	18 AWG
C474	101 TURBINE CONTROL PANEL	1	2	18 AWG

390 JB034 TURBINE ROOF LOW LEVEL

cable	To	lev	#cnd	Gauge
C201	101 TURBINE CONTROL PANEL	1	8	18 AWG

392 JB004 ACCESSORY BASE LEVEL 4

cable	To	lev	#cnd	Gauge
C012	334 PEECC MOTOR CONTROL CENTER	4	3	4 AWG
C012C	334 PEECC MOTOR CONTROL CENTER	4	3	10 AWG
C028	334 PEECC MOTOR CONTROL CENTER	4	3	8 AWG
C102	334 PEECC MOTOR CONTROL CENTER	4	3	8 AWG
C125	334 PEECC MOTOR CONTROL CENTER	4	5	10 AWG
C251	334 PEECC MOTOR CONTROL CENTER	4	3	6 AWG
S884	429 88AB-1 MCC CUBICLE	4	3	4 AWG

427 LIQUID FUEL FORWARDING SKID JB01

cable	To	lev	#cnd	Gauge
S893	101 TURBINE CONTROL PANEL	3	4	12 AWG
S894	101 TURBINE CONTROL PANEL	1	2	18 AWG

428 JB090 COOLING WATER MODULE LEVEL 3

cable	To	lev	#cnd	Gauge
C531	101 TURBINE CONTROL PANEL	3	6	12 AWG
C532	339 JB298 PEECC LEVEL 3	3	12	12 AWG
C544	339 JB298 PEECC LEVEL 3	3	12	10 AWG

429 88AB-1 MCC CUBICLE

cable	To	lev	#cnd	Gauge
S884	392 JB004 ACCESSORY BASE LEVEL 4	4	3	4 AWG
S886	115 JB002 ACCESSORY BAST LEVEL 3	3	2	10 AWG
S881	101 TURBINE CONTROL PANEL	3	8	12 AWG

430 DEMIN WATER FORWARDING JB01

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Cable Summary for Dual Fuel Conversion

cable	To	lev	#cnd	Gauge
S891	101 TURBINE CONTROL PANEL	3	4	12 AWG
S892	101 TURBINE CONTROL PANEL	1	2	18 AWG

438 JB090A COOLING WATER MODULE LEVEL 4

Cable	to	lev	#cnd	Gauge
C533	334 PEECC MOTOR CONTROL CENTER	4	3	
C534	334 PEECC MOTOR CONTROL CENTER	4	3	
C535	334 PEECC MOTOR CONTROL CENTER	4	3	
C537	334 PEECC MOTOR CONTROL CENTER	4	3	
C538	334 PEECC MOTOR CONTROL CENTER	4	3	

441 JB131 GAS FUEL MODULE LEVEL 4

Cable	to	lev	#cnd	Gauge
C149	334 PEECC MOTOR CONTROL CENTER	4	3	8 AWG
C809	334 PEECC MOTOR CONTROL CENTER	4	3	10 AWG
C809A	339 JB298 PEECC LEVEL 3	3	2	10 AWG
C817	334 PEECC MOTOR CONTROL CENTER	4	3	10 AWG
C817A	339 JB298 PEECC LEVEL 3	3	2	10 AWG

447 INLET HEATING CONTROL VALVE

Cable	to	lev	#cnd	gauge
C516A	101 TURBINE CONTROL PANEL	3	2	18 AWG
C517A	101 TURBINE CONTROL PANEL	1	2	18 AWG
C517	101 TURBINE CONTROL PANEL	1	2	18 AWG
C517D	101 TURBINE CONTROL PANEL	1	2	18 AWG
C517E	101 TURBINE CONTROL PANEL	1	2	18 AWG

449 JB078 TURBINE AIR INLET FILTER COMPARTMENT

Cable	to	lev	#cnd	gauge
C512	101 TURBINE CONTROL PANEL	3	7	12 AWG
C515	339 JB298 PEECC LEVEL 3	3	3	6 AWG

455 JB297 AIR PROCESS SKID LEVEL 3

Cable	to	lev	#cnd	gauge
C725	339 JB298 PEECC LEVEL 3	3	3	12 AWG
C727	101 TURBINE CONTROL PANEL	3	6	12 AWG

456 JB010 WATER WASH SKID LEVEL 3

Cable	to	lev	#cnd	gauge
C667-1	101 TURBINE CONTROL PANEL	1	12	12 AWG
C667-2	101 TURBINE CONTROL PANEL	1	12	12 AWG
C667-3	101 TURBINE CONTROL PANEL	1	12	12 AWG
C667-4	101 TURBINE CONTROL PANEL	1	12	12 AWG

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Cable Summary for Dual Fuel Conversion

514 CUSTOMER SWITCHGEAR

Cable	to	lev	#cnd	gauge
C480	334 PEECC MOTOR CONTROL CENTER	3	3	12 AWG
C481	334 PEECC MOTOR CONTROL CENTER	3	2	10 AWG

562 STATIC VOLTAGE REGULATOR – EX2000R

Cable	to	lev	#cnd	gauge
C094B	135 JB005A GENERATOR COMPARTMENT LOW LEVEL	1	8	18 AWG
C123	136 JB005B GENERATOR COMPARTMENT LEVEL 3	3	6	10 AWG
C148	146 METALCLAD SWITCHGEAR	3	4	10 AWG

563 JB386 GAS SCRUBBER LEVEL 3

Cable	to	lev	#cnd	gauge
C819	101 TURBINE CONTROL PANEL	3	19	12 AWG

581 JB005N GENERATOR NEUTRAL ACCESSORIES COMPARTMENT LEVEL 3

Cable	to	lev	#cnd	gauge
C236A	102 GENERATOR CONTROL PANEL	3	12	10 AWG
C236B	102 GENERATOR CONTROL PANEL	3	12	10 AWG
C249	339 JB298 PEECC LEVEL 3	3	3	10 AWG

611 INLET HEATING ISOLATION VALVE

Cable	to	lev	#cnd	gauge
C516E	101 TURBINE CONTROL PANEL	3	2	12 AWG

622 FUEL GAS HEATER CONTROL PANEL

Cable	to	lev	#cnd	gauge
C411	183 AUXILIARY POWER TRANSFORMER	4	3	
C413	753 JB309 FUEL GAS HEATING SKID LEVEL 3	1	6	18 AWG
C414	753 JB309 FUEL GAS HEATING SKID LEVEL 3	3	3	12 AWG
C414A	101 TURBINE CONTROL PANEL	3	7	12 AWG

742 SITE LIGHTS

Cable	to	lev	#cnd	gauge
C403	334 PEECC MOTOR CONTROL CENTER	4	3	

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Cable Summary for Dual Fuel Conversion

751 FLAME DETECTOR INTERFACE MODULE PRIMARY

Cable	to	lev	#cnd	gauge
C009A	234 JB020B TURBINE OFF BASE RACK LOW LEVEL	3S	8	18 AWG

752 FLAME DETECTOR INTERFACE MODULE SECONDARY

Cable	to	lev	#cnd	gauge
C009B	234 JB020B TURBINE OFF BASE RACK LOW LEVEL	3S	8	18 AWG

753 JB309 FUEL GAS HEATING SKID LEVEL 3

Cable	to	lev	#cnd	gauge
C413	622 FUEL GAS HEATER CONTROL PANEL	1	6	18 AWG
C414	622 FUEL GAS HEATER CONTROL PANEL	3	3	12 AWG

901 CUSTOMER GROUND GRID

cable	to	lev	#cnd	gauge
CG1007	254 CUSTOMER DECIVES--PANELS	4	1	1/0 AWG
CG1008	333 PACKAGED DELECTRICAL-ELECTRIC CONTROL CENTER-PEECC	4	2	4/0 AWG
CG1031	230 JB019A TURBINE OFF BASE RACK LEVEL 3	4	1	1/0 AWG
CG1032	231 JB019B TURBINE OFF BASE RACK LEVEL 3	4	1	1/0 AWG
CG1033	233 JB020A TURBINE OFF BASE RACK LOW LEVEL	4	1	1/0 AWG
CG1034	234 JB020B TURBINE OFF BASE RACK LOW LEVEL	4	1	1/0 AWG
CG1038	381 JB021A TURBINE OFF BASE RACK LEVEL 4	4	1	1/0 AWG
CG1051	280 GENERATOR NEUTRAL ACCESSORY COMPARTMENT GNAC	4	2	4/0 AWG
CG1059	335 BUS DUCT	4	2	4/0 AWG
CG902	157 TURBINE AIR INLET FILTER COMPARTMENT	4	2	4/0 AWG
CG906	182 MAIN TRANSFORMER (STEP UP)	4	2	4/0 AWG
CG907	146 METALCLAD SWITCHGEAR	4	2	4/0 AWG
CG910	161 COOLING WATER MODULE #1	4	2	4/0 AWG
CG914	121 TURBINE BASE	4	2	4/0 AWG
CG915	119 ACCESSORY BASE	4	2	4/0 AWG
CG920	134 GENERATOR COMPARTMENT	4	2	4/0 AWG
CG926	171 GAS FUEL (VALVE) MODULE	4	2	4/0 AWG
CG927	176 LUBE OIL DEMISTER (TURBINE)	4	2	4/0 AWG
CG928	252 WATER WASH SKID	4	2	4/0 AWG
CG929	172 AIR PROCESS SKID	4	2	4/0 AWG
CG931	183 AUXILIARY POWER TRANSFORMER	4	2	4/0 AWG
CG933	201 LIMIT AMP	4	2	4/0 AWG
CG954	158 GAS SCRUBBER	4	2	4/0 AWG
CG964	128 EXHAUST FRAME BLOWER 88TK-1	4	2	4/0 AWG
CG965	129 EXHASUT FRAME BLOWER 88TK-2	4	2	4/0 AWG
CG983	283 FIRE PROTECTION DEVICES	4	2	4/0 AWG

938 CEMS SYSTEM

cable	to	lev	#cnd	gauge
C404	334 PEECC MOTOR CONTROL CENTER	4	3	

939 UNIT AREA OUTDOOR LIGHTING

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Cable Summary for Dual Fuel Conversion

cable	to	lev	#cnd	gauge
C402	334 PEECC MOTOR CONTROL CENTER	4	3	

940 DEMIN WATER FORWARDING JB02

cable	To	lev	#cnd	Gauge
C889	942 CUSTOMER SUPPLIED MCC	4	3	CUST
C890	942 CUSTOMER SUPPLIED MCC	4	3	CUST

941 LIQUID FUEL FORWARDING JB02

cable	To	lev	#cnd	Gauge
C887	942 CUSTOMER SUPPLIED MCC	4	3	CUST
C888	942 CUSTOMER SUPPLIED MCC	4	3	CUST

942 CUSTOMER SUPPLIED MCC

cable	To	lev	#cnd	Gauge
C880	101 TURBINE CONTROL PANEL	3	19	12 AWG
C883	101 TURBINE CONTROL PANEL	3	19	12 AWG
C887	941 DEMIN WATER FORWARDING JB02	4	3	CUST
C888	941 DEMIN WATER FORWARDING JB02	4	3	CUST
C889	940 LIQUID FUEL FORWARDING JB02	4	3	CUST
C890	940 LIQUID FUEL FORWARDING JB02	4	3	CUST

Notes

1. "C" PREFIX INDICATES CABLE SUPPLIED BY OTHERS THAN GE-GAS TURBINE DIVISION. CONTROL CABLES WITH "C" PREFIX CONTAIN A NOMINAL NUMBER OF SPARES.
2. "C" PREFIX CABLES TO BE RATED NOT LESS THAN 90 DEG. C.
3. CABLE GLANDS/STRESS RELIEFS FOR CONNECTING CABLES AT JUNCTION BOXES/DEVICES ARE TO BE SUPPLIED BY OTHERS.
4. BEND RADIUS – BENDS SHALL BE SO MADE THAT CABLE WILL NOT BE DAMAGED. AND RADIUS OF THE INNER EDGE OF ANY BEND SHALL NOT BE LESS THAN SHOWN IN TABLE. THIS RADIUS DOES NOT INCLUDE PULLING TENSINO CALCULATION. SEE ML ITEM 0435 FOR FURTHER DEFINITION.
5. CABLES SUPPLIED BY OTHERS THAT ARE SHOWN ON THIS DWG. ARE ONLY FOR THOSE WHICH INTERFACE WITH GAS TURBINE SUPPLIED EQUIPMENT.
6. MAKEUP OF "C" PREFIX CABLES ARE SUGGESTED TO ENSURE SUFFICIENT CONDUCTOR COUNT.
7. "C" PREFIX CABLES FOR LEVEL 4 AND LEFEL 5 POWER SUPPLY ARE SIZED BY OTHERS.
8. SEE OUTLINE. GAS TURBINE PACKAGE CONNECTION – ELECTRICAL DIAG. ML ITEM 0301 FOR LOCATION OF CABLE DESTINATION POINTS (JB'S. ETC.) WITHIN EACH ON-BASE COMPARTMENT.
9. CABLE TO BE INSTALLED WITH ADEQUATE SEPARATION BETWEEN DIFFERENT LEVELS AND IN PROPER CONDUIT OR RACEWAY MATERIAL. SEE M.L. ITEM 0435. AND IN ACCORDANCE WITH LATEST ELECTRICAL CODES.
10. GROUND CABLES ARE TO BE SUPPLIED ON ALL EQUIPMENT. TWO CABLE CONNECTIONS ARE DIAGONALLY OPPOSED.
11. ONE CABLE REQUIRED PER SITE.
12. MODIFIED OR ADDED CABLES ARE IN RED TEXT.

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