

REV	DATE	DESCRIPTION	DRAWN	CKD	APPD
1	2017/03/24	ISSUE FOR TENDER	RCM		
0	2017/03/03	ISSUE FOR CLIENT REVIEW	RCM		
No		REVISION DESCRIPTION			

REF	DESCRIPTION
1	REFERENCE DRAWINGS
2	
3	
4	REVISION REGISTER
5	
6	
7	

CLIENT: Natural Resources Canada / Ressources naturelles Canada
CANMET Energy Technology Center / Centre de la technologie de l'énergie de CANMET


DESIGNED: R. McNAIR
DRAWN: R. McNAIR
CHECKED:
APPROVED:
DATE: 2017/02/03
SCALE: NONE

PROJECT: NRCAN CANMET DCSG/HIPROX
TITLE: ELECTRICAL DCSG-HIPROX CABLE DISTRIBUTION CABINET - TO - CABINET

USER	PROJECT	BUILDING	DRAWING	REV.
E	DCSG	BCC4	050	1

ITEM	CABLE NO.	FROM	TO	MFG/CAT NO.	CABLE CONDUCTOR/ SIZE (AWG)	CABLE TYPE	CABLE RATING	ESTIMATE D LENGTH (FT)	REF. DWG.	NOTES
1	DG-001	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 400 TO 419	ANALOG I/O CABINET- DCSG-AJB-01 TB 1000 TO 1087	PROVO/6775	25C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-101 E-DCSG-BCC4-102	
2	DG-002	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 420 TO 439	ANALOG I/O CABINET- DCSG-AJB-01 TB 1088 TO 1175	PROVO/6775	25C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-103 E-DCSG-BCC4-104	
3	DG-003	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 440 TO 449	ANALOG I/O CABINET- DCSG-AJB-01 TB 1176 TO 1219	PROVO/6762	12C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-105	
4	DG-004	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 450 TO 469	ANALOG I/O CABINET- DCSG-AJB-01 TB 1220 TO 1259	PROVO/6775	25C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-106	
5	DG-005	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 470 TO 489	ANALOG I/O CABINET- DCSG-AJB-01 TB 1260 TO 1299	PROVO/6775	25C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-107	
6	DG-006	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 500 TO 519	ANALOG I/O CABINET- DCSG-AJB-01 TB 1300 TO 1339	PROVO/6775	25C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-110	
7	DG-007	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 520 TO 539	ANALOG I/O CABINET- DCSG-AJB-01 TB 1340 TO 1379	PROVO/6775	25C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-111	
8	DG-008	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 540 TO 559	ANALOG I/O CABINET- DCSG-AJB-01 TB 1380 TO 1419	PROVO/6775	25C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-112	
9	DG-009	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 560 TO 579	ANALOG I/O CABINET- DCSG-AJB-01 TB 1420 TO 1459	PROVO/6775	25C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-113	
10	DG-010	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 580 TO 599	ANALOG I/O CABINET- DCSG-AJB-01 TB 1460 TO 1499	PROVO/6775	25C, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-114 E-DCSG-BCC4-117	
11	DG-011	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 600 TO 615	ANALOG I/O CABINET- DCSG-AJB-01 TB 1500 TO 1515	PROVO/1712	12P, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-108	
12	DG-012	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 616 TO 631	ANALOG I/O CABINET- DCSG-AJB-01 TB 1516 TO 1531	PROVO/1712	12P, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-108	
13	DG-013	CONTROL CABINET - ANALOG INPUT TB 632 TO 647	ANALOG I/O CABINET- DCSG-AJB-01 TB 1532 TO 1547	PROVO/1712	12P, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-109	
14	DG-014	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 648 TO 663	ANALOG I/O CABINET- DCSG-AJB-01 TB 1548 TO 1563	PROVO/1712	12P, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-115	
15	DG-015	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 664 TO 679	ANALOG I/O CABINET- DCSG-AJB-01 TB 1564 TO 1579	PROVO/1712	12P, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-115	
16	DG-016	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 680 TO 695	ANALOG I/O CABINET- DCSG-AJB-01 TB 1580 TO 1595	PROVO/1712	12P, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-116	
17	DG-017	CONTROL CABINET- DCSG-CC-01 ANALOG INPUT TB 696 TO 711	ANALOG I/O CABINET- DCSG-AJB-01 TB 1596 TO 1611	PROVO/1712	12P, 20 AWG	PVC, OVRSHLD	600 V	90	E-DCSG-BCC4-120	
18	DG-020	CONTROL CABINET- DCSG-CC-01 TB CB7, N	DIGITAL I/O CABINET- DCSG-DJB-01 TB 2000, 2001	-	2C, 14AWG	CU, TECK90,	600 V	90	E-DCSG-BCC4-015	
19	DG-021	CONTROL CABINET- DCSG-CC-01 TB CB8, N	TC I/O CABINET- DCSG-TGJB-01 TB 3001, 3002	-	2C, 14AWG	CU, TECK90,	600 V	90	E-DCSG-BCC4-015	
20	DG-025	CONTROL CABINET- DCSG-CC-01 TB 274 TO 285, 308 TO 318	BMS CABINET- DCSG-BMS-01 TB 1 TO 7, 51 TO 57	PROVO/9019	19C, 20 AWG	PVC, UNSHLD	600 V	50	E-DCSG-BCC4-123 E-DCSG-BCC4-124 E-DCSG-BCC4-901	
21	DG-FIC-2302	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG OUTPUT TB 1516 TO 1517	VSD CABINET - DCSG-VSD-01 VFD-2302 TB 15 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-108 E-DCSG-BCC4-501	
22	DG-FIC-4304	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG OUTPUT TB 1568 TO 1569	VSD CABINET - DCSG-VSD-01 VFD-4304 TB 15 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-115 E-DCSG-BCC4-502	
23	DG-FIC-2601	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG OUTPUT TB 1524 TO 1525	VSD CABINET - DCSG-VSD-01 VFD-2601 TB 15 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-108 E-DCSG-BCC4-503	
24	DG-FIC-2610	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG OUTPUT TB 1522 TO 1523	VSD CABINET - DCSG-VSD-01 VFD-2610 TB 15 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-108 E-DCSG-BCC4-504	
25	DG-FIC-2403	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG OUTPUT TB 1518 TO 1519	VSD CABINET - DCSG-VSD-01 VFD-2403 TB 15 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-108 E-DCSG-BCC4-505	
26	DG-SIC-2301	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG OUTPUT TB 1514 TO 1515	VSD CABINET - DCSG-VSD-01 VFD-2301 TB 15 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-108 E-DCSG-BCC4-512	
27	DG-IT-2302	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1386 TO 1387	VSD CABINET - DCSG-VSD-01 VFD-2302 TB 16 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-112 E-DCSG-BCC4-501	
28	DG-IT-4304	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1468 TO 1469	VSD CABINET - DCSG-VSD-01 VFD-4304 TB 16 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-114 E-DCSG-BCC4-502	
29	DG-IT-2601	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1412 TO 1413	VSD CABINET - DCSG-VSD-01 VFD-2601 TB 16 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-112 E-DCSG-BCC4-503	
30	DG-IT-2610	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1398 TO 1399	VSD CABINET - DCSG-VSD-01 VFD-2610 TB 16 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-112 E-DCSG-BCC4-504	
31	DG-IT-2403	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1392 TO 1393	VSD CABINET - DCSG-VSD-01 VFD-2403 TB 16 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-112 E-DCSG-BCC4-505	
32	DG-IT-2301	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1378 TO 1379	VSD CABINET - DCSG-VSD-01 VFD-2403 TB 16 & 14	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-111 E-DCSG-BCC4-512	
33	DG-IT-4402	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1476 TO 1477	VSD CABINET - DCSG-VSD-01 ACT050-42L-F Term +, -	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	50	E-DCSG-BCC4-114 E-DCSG-BCC4-506	
34	DG-A-1102	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1228 TO 1237	CO2 COMP CABINET- DCSG-CO2-01 CT +, - & PROCESS METERS	PROVO/1706	6P, 20 AWG	PVC, OVRSHLD	600 V	75	E-DCSG-BCC4-106 E-DCSG-BCC4-852	
35	DG-A-1203	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1252 TO 1265	O2 COMP CABINET- DCSG-O2-01 CT +, - & PROCESS METERS	NORAMCO 33H1806X	6P, 18 AWG	ARMOURED, TECK	600 V	300	E-DCSG-BCC4-106 E-DCSG-BCC4-107 E-DCSG-BCC4-853	
36	DG-A-1302	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1272 TO 1285	N2 COMP CABINET- DCSG-N2-01 CT +, - & PROCESS METERS	PROVO/1706	6P, 20 AWG	PVC, OVRSHLD	600 V	75	E-DCSG-BCC4-107 E-DCSG-BCC4-854	
37	DG-A-1401	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1288 TO 1291	NG COMP CABINET- DCSG-NATG-01 SOFT START: 14,15 FC-11: B+, B-	PROVO/1706	6P, 20 AWG	PVC, OVRSHLD	600 V	75	E-DCSG-BCC4-106 E-DCSG-BCC4-855	
38	DG-IS-1102	CO2 COMP CABINET- DCSG-CO2-01 BLDG 4 HALLWAY	CO2 COMP LOCAL JB OUTSIDE: TB 1- 10	NORAMCO 33H1806X	10C, 20 AWG	ARMOURED, TECK	600 V	330	E-DCSG-BCC4-852	
39	DG-IS-1302	N2 COMP CABINET- DCSG-N2-01 BLDG 4 HALLWAY	N2 COMP LOCAL JB OUTSIDE: TB 1- 10	NORAMCO 33H1806X	10C, 20 AWG	ARMOURED, TECK	600 V	330	E-DCSG-BCC4-854	
40	DG-IS-1401	NG COMP CABINET- DCSG-NATG-01 TB1: 1-7 TB2: 1-8	NG COMP LOCAL JB OUTSIDE TB1: 1,8-13 TB2: 1-8	NORAMCO 33H1806X	20C, 16 AWG	ARMOURED, TECK	600 V	330	E-DCSG-BCC4-855	
41	DG-PT-1401	NG COMP CABINET- DCSG-NATG-01 TB1: 9,11,24V	NG COMP LOCAL JB OUTSIDE TB1: 16,15,6,5	E-CABLES 6PAANS0S18-2PR-TFT4-HL	2 PR, 18 AWG	TWSH, ACIC	600 V	330	E-DCSG-BCC4-855	
42	DG-IT-1604	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1294 TO 1295	H2O PUMPS CABINET-DCSG-PMP-01 TB 1-2	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	60	E-DCSG-BCC4-107 E-DCSG-BCC4-702	
43	DG-IT-1603	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1304 TO 1305	H2O PUMPS CABINET-DCSG-PMP-01 TB 3-4	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	60	E-DCSG-BCC4-110 E-DCSG-BCC4-702	
44	DG-IT-1606	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1292 TO 1293	H2O PUMPS CABINET-DCSG-PMP-01 TB 5-6	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	60	E-DCSG-BCC4-107 E-DCSG-BCC4-702	
45	DG-IT-1605	ANALOG I/O CABINET- DCSG-AJB-01 ANALOG INPUT TB 1298 TO 1299	H2O PUMPS CABINET-DCSG-PMP-01 TB 7-8	BELDEN'1033A	1 PR, 20 AWG	TWSH, INST	600 V	60	E-DCSG-BCC4-107 E-DCSG-BCC4-702	


REFERENCE DRAWINGS	
1	ISSUE FOR TENDER
0	ISSUE FOR CLIENT REVIEW
REVISION REGISTER	
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DATE (Y/M/D)	DATE
DRAWN	DATE
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APPD	DATE



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CLIENT



 Natural Resources Canada

 CANMET Energy Technology Center

 Ressources naturelles Canada

 Centre de la technologie de l'énergie de CANMET

DESIGNED	R. McNair
DRAWN	R. McNair
CHECKED	R. McNair
APPROVED	
DATE	2017/02/03
SCALE	NONE
PROJECT	DCSG-hiprox
BUILDING	BCC4
DRAWING	051
REV.	1

PROJECT: NRCAN CANMET DCSG/HIPROX





 TITLE: ELECTRICAL DCSG-HIPROX

 FIELD ANALOG JUNCTION BOX

 CABLE SCHEDULE

ITEM	CABLE NO.	FROM	TO	MFG/CAT NO.	CABLE CONDUCTOR/ SIZE (AWG)	CABLE TYPE	CABLE RATING	ESTIMATE D LENGTH (FT)	REF. DWG.	NOTES								
1	DG-027	DIGITAL I/O CABINET - DCSG-DJB-01	VSD CABINET - DCSG-VSD-01	PROVO/9025	25C , 20 AWG	PVC, UNSHLD	600 V	50		E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2155 COLOUR WHITE	TB 6							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2156 COLOUR RED	TB 10							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2157 COLOUR GREEN	TB 9							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2159 COLOUR ORANGE	TB 11							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2160 COLOUR BLUE	TB 46							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2161 COLOUR WHITE/BLACK	TB 45							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2163 COLOUR RED/BLACK	TB 47							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2178 COLOUR GREEN/BLACK	TB 61							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2179 COLOUR ORANGE/BLACK	TB 60							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2197 COLOUR BLUE/BLACK	TB 17							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2198 COLOUR BLACK/WHITE	TB 21							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2199 COLOUR RED/WHITE	TB 20							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2201 COLOUR GREEN/WHITE	TB 22							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2256 COLOUR BLUE/WHITE	TB 7							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2257 COLOUR BLACK/RED	TB 8							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2260 COLOUR WHITE/RED	TB 43							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2261 COLOUR ORANGE/RED	TB 44							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2266 COLOUR BLUE/RED	TB 58							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2267 COLOUR RED/GREEN	TB 59							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2268 COLOUR ORANGE/GREEN	TB 18							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		TB 2269 COLOUR BLACK/WHITE/RED	TB 19							E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-501								
		2	DG-028							DIGITAL I/O CABINET - DCSG-DJB-01	VSD CABINET - DCSG-VSD-01	PROVO/9025	25C , 20 AWG	PVC, UNSHLD	600 V	50		E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504
										TB 2171 COLOUR WHITE	TB 38							E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504
										TB 2172 COLOUR RED	TB 39							E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504
										TB 2173 COLOUR GREEN	TB 40							E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504
										TB 2184 COLOUR ORANGE	TB 32							E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504
TB 2185 COLOUR BLUE	TB 31			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2187 COLOUR WHITE/BLACK	TB 33			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2193 COLOUR RED/BLACK	TB 28			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2207 COLOUR GREEN/BLACK	TB 54			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2208 COLOUR ORANGE/BLACK	TB 52			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2209 COLOUR BLUE/BLACK	TB 53			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2211 COLOUR BLACK/WHITE	TB 57			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2214 COLOUR RED/WHITE	TB 65			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2215 COLOUR GREEN/WHITE	TB 64			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2262 COLOUR BLUE/WHITE	TB 29			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2263 COLOUR BLACK/RED	TB 30			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2264 COLOUR WHITE/RED	TB 36			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2265 COLOUR ORANGE/RED	TB 37			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2272 COLOUR BLUE/RED	TB 55			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2273 COLOUR RED/GREEN	TB 56			E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504														
TB 2274 COLOUR ORANGE/GREEN	TB 62	E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504																
TB 2275 COLOUR BLACK/WHITE/RED	TB 63	E-DCSG-BCC4-203 E-DCSG-BCC4-205 E-DCSG-BCC4-504																
3	DG-X-2301	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2150,2151,2153,2254,2255	VSD CABINET - DCSG-VSD-01 TB 87,86,88,84,85	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	50		E-DCSG-BCC4-202 E-DCSG-BCC4-205 E-DCSG-BCC4-512								
4	DG-HA-2302	VSD CABINET - DCSG-VSD-01 TB 2 - 6	KILARK HAND-OFF-AUTO SELECTOR SWITCH	ARMCON/ 46A1607-40	7C , 16 AWG	ARMOURED, TECK	600 V	120		E-DCSG-BCC4-501								
5	DG-ES-2302	VSD CABINET - DCSG-VSD-01 TB 1, 2	KILARK EMERGENCY STOP PUSHBUTTON SWITCH	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	120		E-DCSG-BCC4-501								
6	DG-HA-4304	VSD CABINET - DCSG-VSD-01 TB 13 - 17	KILARK HAND-OFF-AUTO SELECTOR SWITCH	ARMCON/ 46A1607-40	7C , 16 AWG	ARMOURED, TECK	600 V	90		E-DCSG-BCC4-502								
7	DG-ES-4304	VSD CABINET - DCSG-VSD-01 TB 12, 13	KILARK EMERGENCY STOP PUSHBUTTON SWITCH	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	90		E-DCSG-BCC4-502								
8	DG-HA-2601	VSD CABINET - DCSG-VSD-01 TB 24 - 28	KILARK HAND-OFF-AUTO SELECTOR SWITCH	ARMCON/ 46A1607-40	7C , 16 AWG	ARMOURED, TECK	600 V	90		E-DCSG-BCC4-503								
9	DG-ES-2601	VSD CABINET - DCSG-VSD-01 TB 23, 24	KILARK EMERGENCY STOP PUSHBUTTON SWITCH	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	90		E-DCSG-BCC4-503								
10	DG-ES-2610	VSD CABINET - DCSG-VSD-01 TB 34, 35	KILARK EMERGENCY STOP PUSHBUTTON SWITCH	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	90		E-DCSG-BCC4-504								
11	DG-ES-2403	VSD CABINET - DCSG-VSD-01 TB 41, 42	KILARK EMERGENCY STOP PUSHBUTTON SWITCH	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	[FUTURE]		E-DCSG-BCC4-505								
12	DG-HA-4402	VSD CABINET - DCSG-VSD-01 TB 48 - 51	KILARK HAND-OFF-AUTO SELECTOR SWITCH	ARMCON/ 46A1607-40	7C , 16 AWG	ARMOURED, TECK	600 V	90		E-DCSG-BCC4-506								
13	DG-ES-2301	VSD CABINET - DCSG-VSD-01 TB 82, 83	KILARK EMERGENCY STOP PUSHBUTTON SWITCH	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	120		E-DCSG-BCC4-512								


REFERENCE DRAWINGS		REVISION REGISTER	
No	ISSUE FOR CLIENT REVIEW	DATE (Y/M/D)	BY
0	ISSUE FOR CLIENT REVIEW	2017/02/03	RCM
1	ISSUE FOR TENDER	2017/03/24	RCM
DESIGNED	R. McNAIR	CHECKED	R. McNAIR
DATE	2017/02/03	SCALE	NONE
PROJECT	NRCAN CANMET DCSG/HIPROX		
TITLE	ELECTRICAL DCSG-HIPROX FIELD DIGITAL SIGNALS (1) CABLE SCHEDULE		
USER	DCSG	BUILDING	BCC4
PROJECT	052	DRAWING	1

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ITEM	CABLE NO.	FROM	TO	MFG/CAT NO.	CABLE CONDUCTOR/ SIZE (AWG)	CABLE TYPE	CABLE RATING	ESTIMATE D LENGTH (FT)	REF. DWG.	NOTES
1	DG-X-3124	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2220,2221,2223,2504,2505	VSD CABINET - DCSG-VSD-01 TB 66,67,68,72,73	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	50	E-DCSG-BCC4-204 E-DCSG-BCC4-212 E-DCSG-BCC4-510	
2	DG-ACT-3124	VSD CABINET - TB 66,67,68,69,70,71	REACTOR AHS HANDLING DISCHARGE VALVE TB 8.7.6.11.3.2	ARMCON/ 46A1607-40	7C , 16 AWG	ARMOURED, TECK	600 V	60	E-DCSG-BCC4-204 E-DCSG-BCC4-212 E-DCSG-BCC4-510	
3	DG-X-3125	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2224,2225,2227,2506,2507	VSD CABINET - DCSG-VSD-01 TB 74,75,76,80,81	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	50	E-DCSG-BCC4-204 E-DCSG-BCC4-212 E-DCSG-BCC4-511	
4	DG-ACT-3125	VSD CABINET - TB 74,75,76,77,78,79	REACTOR AHS HANDLING DISCHARGE VALVE 2 TB 8.7.6.11.3.2	ARMCON/ 46A1607-40	7C , 16 AWG	ARMOURED, TECK	600 V	60	E-DCSG-BCC4-204 E-DCSG-BCC4-212 E-DCSG-BCC4-511	
5	DG-040	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2327 TO 2304	SOLENOID CABINET SC-M9-1 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	80	E-DCSG-BCC4-206 E-DCSG-BCC4-601	
6	DG-041	DIGITAL I/O CABINET - DIGITAL OUTPUT TB 2307 TO 2321	SOLENOID CABINET SC-M9-2 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	80	E-DCSG-BCC4-207 E-DCSG-BCC4-602	
7	DG-042	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2323 TO 2337	SOLENOID CABINET SC-M9-3 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	80	E-DCSG-BCC4-207 E-DCSG-BCC4-603	
8	DG-043	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2341 TO 2355	SOLENOID CABINET SC-116-1 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	70	E-DCSG-BCC4-208 E-DCSG-BCC4-604	
9	DG-044	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2357 TO 2371	SOLENOID CABINET SC-116-2 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	70	E-DCSG-BCC4-208 E-DCSG-BCC4-605	
10	DG-045	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2410 TO 2424	SOLENOID CABINET SC-M8-1 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	75	E-DCSG-BCC4-209 E-DCSG-BCC4-606	
11	DG-046	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2391 TO 2406	SOLENOID CABINET SC-M8-2 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	75	E-DCSG-BCC4-209 E-DCSG-BCC4-607	
12	DG-047	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2444 TO 2424	SOLENOID CABINET SC-M9-4 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	80	E-DCSG-BCC4-210 E-DCSG-BCC4-608	
13	DG-048	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2426 TO 2440	SOLENOID CABINET SC-M8-4 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	75	E-DCSG-BCC4-210 E-DCSG-BCC4-609	
14	DG-049	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2478 TO 2458	SOLENOID CABINET SC-115-1 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	50	E-DCSG-BCC4-211 E-DCSG-BCC4-610	
15	DG-050	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2460 TO 2474	SOLENOID CABINET SC-115-2 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	50	E-DCSG-BCC4-211 E-DCSG-BCC4-611	
16	DG-051	DIGITAL I/O CABINET - DCSG-DJB-01 DIGITAL OUTPUT TB 2478 TO 2492	SOLENOID CABINET SC-M8-3 TB 1 TO 12	ARMCON/ 46A1610-40	10C , 16 AWG	ARMOURED, TECK	600 V	75	E-DCSG-BCC4-212 E-DCSG-BCC4-612	
17	DG-052	SOLENOID CABINET SC-M8-3 TB 21, 22, 23	BMS CABINET - DCSG-BMS-01 TB 92, 93, 94	ARMCON/ 46A1604-40	4C , 16 AWG	ARMOURED, TECK	600 V	135	E-DCSG-BCC4-612 E-DCSG-BCC4-901	
18	DG-X-4502	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2212, 2213, 2276, 2277	GLYCOL HEAT EXCHANGER ON ROOF (FOR FUTURE USE)	ARMCON/ 46A1607-40	7C , 16 AWG	ARMOURED, TECK	600 V	135	E-DCSG-BCC4-204 E-DCSG-BCC4-206 E-DCSG-BCC4-509	
19	DG-X-1600	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2125 TO 2253	H2O PUMPS CABINET-DCSG-PMP- 01 TB 9 TO 30	PROVO/9025	25C , 20 AWG	PVC, UNSHLD	600 V	50	E-DCSG-BCC4- 201,202,203,205,702	
20	DG-H-2609	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2176,2177,2282,2283,2494,2495	MCC#1 CABINET Loc. 2C TB 5,6, SSR+, SSR-, 7,8	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	70	E-DCSG-BCC4- 203, 206, 212, 803	
21	DG-H-2607	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2180,2181,2280,2281,2496,2497	MCC#1 CABINET Loc. 1G TB 5,6, SSR+, SSR-, 7,8	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	70	E-DCSG-BCC4- 203, 206, 212, 804	
22	DG-H-2605	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2182,2183,2278,2279,2498,2499	MCC#1 CABINET Loc. 1M TB 5,6, SSR+, SSR-, 7,8	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	70	E-DCSG-BCC4- 203, 206, 212, 805	
23	DG-H-3202	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2228,2229,2284,2285,2500,2501	MCC#1 CABINET Loc. 2F TB 5,6, SSR+, SSR-, 7,8	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	70	E-DCSG-BCC4- 204, 206, 212, 806	
24	DG-H-4305	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2204,2205,2286,2287,2502,2503	MCC#1 CABINET Loc. 2J TB 5,6, SSR+, SSR-, 7,8	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	70	E-DCSG-BCC4- 204, 206, 212, 807	
25	DG-XI-3403	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2188, 2189, 2190, 2191	FLARE SYSTEM CAB - DCSG-FLR-01 TB 23, 22, 14, 13	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	90	E-DCSG-BCC4-203 E-DCSG-BCC4-903	
26	DG-X-1102	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2102,2103,2104,2105, 2238, 2239	CO2 COMP CABINET- DCSG-CO2-01 BLDG 4 HALLWAY	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	60	E-DCSG-BCC4-201 E-DCSG-BCC4-205 E-DCSG-BCC4-852 E-DCSG-BCC4-854 E-DCSG-BCC4-855	
27	DG-X-1203	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2106,2107,2108,2109, 2240, 2241	O2 COMP CABINET- DCSG-O2-01 OUTSIDE	ARMCON/ 46A1607-40	7C , 16 AWG	ARMOURED, TECK	600 V	300	E-DCSG-BCC4-205 E-DCSG-BCC4-853 E-DCSG-BCC4-201 E-DCSG-BCC4-205 E-DCSG-BCC4-854 E-DCSG-BCC4-855	
28	DG-X-1302	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2110,2111,2112,2113, 2242, 2243	N2 COMP CABINET- DCSG-N2-01 BLDG 4 HALLWAY	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	30	E-DCSG-BCC4-205 E-DCSG-BCC4-201 E-DCSG-BCC4-854 E-DCSG-BCC4-855	
29	DG-X-1401	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2118,2119,2120,2121,2244,2245	NG COMP CABINET- DCSG-NATG-01 TB3: 10,9,8,7, TB1: 8,COM	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	40	E-DCSG-BCC4-201 E-DCSG-BCC4-205 E-DCSG-BCC4-855	
30	DG-120-1102	CO2 COMP CABINET- DCSG-CO2-01 BLDG 4 HALLWAY	CO2 COMP LOCAL JB OUTSIDE: TB 11 - 17	SHAWFLEX/ 4C010M14100000 0	10C , 14 AWG	ARMOURED, TECK	600 V	330	E-DCSG-BCC4-852	
31	DG-120-1302	N2 COMP CABINET- DCSG-N2-01 BLDG 4 HALLWAY	N2 COMP LOCAL JB OUTSIDE: TB 11 - 17	SHAWFLEX/ 4C010M14100000 0	10C , 14 AWG	ARMOURED, TECK	600 V	300	E-DCSG-BCC4-854	
32	DG-120-1401	NG COMP CABINET- DCSG-NATG-01 TB3: 1 - 6	NG COMP LOCAL JB OUTSIDE: TB3: 1 - 6	SHAWFLEX/ 4C010M14080000 0	6C , 14 AWG	ARMOURED, TECK	600 V	330	E-DCSG-BCC4-855	
33	DG-PDSH-1604	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2128, 2129	FIELD DEVICE: DIFF PRESS. HIGH RM 116	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	70	E-DCSG-BCC4-201	
34	DG-PDSH-1603	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2140, 2141	FIELD DEVICE: DIFF PRESS. HIGH RM 116	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	70	E-DCSG-BCC4-202	
35	DG-PSL-2501	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2164, 2165 2129	FIELD DEVICE:PRESS. SW LOW RM 116	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	70	E-DCSG-BCC4-202	
36	DG-FSH-2610	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2174, 2175	FIELD DEVICE: FLOW SWITCH LOW RM 116	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	70	E-DCSG-BCC4-203	
37	DG-FSL-3214	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2194,2195	FIELD DEVICE: FLOW SWITCH LOW RM M8	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	75	E-DCSG-BCC4-203	
38	DG-FSL-4504	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2216, 2217	FIELD DEVICE: FLOW SWITCH LOW RM 116	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	70	E-DCSG-BCC4-204	
39	DG-FSL-5204	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2218, 2219	FIELD DEVICE: FLOW SWITCH LOW: RM 116	ARMCON/ 46A1602-40	2C , 16 AWG	ARMOURED, TECK	600 V	70	E-DCSG-BCC4-204	
40	DG-HS-3126	CONTROL CABINET- DCSG-CC-01 DIGITAL INPUT TB 290 TO 293	HS-3126: EMERGENCY STOP HS-3127: SIREN SEL SWITCH 1st FLOOR CONTROL ROOM	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	90	E-DCSG-BCC4-123	
41	DG-ALM-3179	CONTROL CABINET- DCSG-CC-01 DIGITAL OUTPUT TB 324 TO 327	ALM-3179: EMERGENCY LIGHTS ALM-3180: AUDIBLE ALARM 1st FLOOR CONTROL ROOM	PROVO/9207	7C , 20 AWG	PVC, UNSHLD	600 V	90	E-DCSG-BCC4-124	
42	DG-PFB-06	CONTROL CABINET- DCSG-CC-01 TB 122, 123	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2032, 2033	-	-	PROFIBUS CABLE	-	65	E-DCSG-BCC4-031	SUPPLIED BY NRCAN
43	DG-PFB-10	DIGITAL I/O CABINET - DCSG-DJB-01 TB 2034, 2035	T/C CABINET - DCSG-TCJB-01 TB 3050, 3051	-	-	PROFIBUS CABLE	-	45	E-DCSG-BCC4-031	SUPPLIED BY NRCAN
44	DG-RS-01	CONTROL CABINET- DCSG-CC-01 TB 126, 127	HEAT TRACING CAB - DCSG-HTC-01 TB 40, 41	-	-	-	-	90	E-DCSG-BCC4-405	

1	ISSUE FOR TENDER	2017/03/24	RCM
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DESIGNED	R. McNAIR
DRAWN	R. McNAIR
CHECKED	R. McNAIR
APPROVED	
DATE	2017/02/03
SCALE	NONE
PROJECT	NRCAN CANMET DCSG/HIPROX
TITLE	ELECTRICAL DCSG-HIPROX FIELD DIGITAL SIGNALS (2) CABLE SCHEDULE
USER	E
PROJECT	DCSG
BUILDING	BCC4
DRAWING	053
REV.	1

REFERENCE DRAWINGS

ITEM	CABLE NO.	FROM	TO	MFG/CAT NO.	CABLE CONDUCTOR/SIZE (AWG)	CABLE TYPE	CABLE RATING	ESTIMATE D LENGTH (FT)	REF. DWG.	NOTES
1	DG-080	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-6 M-1	THERMOCOUPLE JACK PANEL JKP NL-115-1 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	50	E-DCSG-BCC4-301	
2	DG-081	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-6 M-2	THERMOCOUPLE JACK PANEL JKP NL-115-1 (INPUTS 9-16)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	50	E-DCSG-BCC4-301	
3	DG-082	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-6 M-3	THERMOCOUPLE JACK PANEL JKP NL-115-2 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	50	E-DCSG-BCC4-302	
4	DG-083	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-6 M-4	THERMOCOUPLE JACK PANEL JKP NL-116-1 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-302	
5	DG-084	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-6 M-5	THERMOCOUPLE JACK PANEL JKP NL-116-2 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-303	
6	DG-085	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-6 M-6	THERMOCOUPLE JACK PANEL JKP NL-M8-1 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-303	
7	DG-086	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-6 M-7	THERMOCOUPLE JACK PANEL JKP NL-M8-2 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-304	
8	DG-087	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-6 M-8	THERMOCOUPLE JACK PANEL JKP NL-M8-2 (INPUTS 9-16)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-304	
9	DG-088	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-7 M-1	THERMOCOUPLE JACK PANEL JKP NL-M8-3 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-305	
10	DG-089	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-7 M-2	THERMOCOUPLE JACK PANEL JKP NL-M8-3 (INPUTS 9-16)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-305	
11	DG-090	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-7 M-3	THERMOCOUPLE JACK PANEL JKP NL-M8-4 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-306	
12	DG-091	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-7 M-4	THERMOCOUPLE JACK PANEL JKP NL-M8-4 (INPUTS 9-16)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-306	
13	DG-092	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-7 M-5	THERMOCOUPLE JACK PANEL JKP NL-M8-1 (INPUTS 9-16)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-303	
14	DG-093	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-7 M-6	THERMOCOUPLE JACK PANEL JKP NL-M9-1 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	135	E-DCSG-BCC4-307	
15	DG-094	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-7 M-7	THERMOCOUPLE JACK PANEL JKP NL-M9-2 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	135	E-DCSG-BCC4-308	
16	DG-095	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-7 M-8	THERMOCOUPLE JACK PANEL JKP NL-MEZZ-1 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-308	
17	DG-096	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-8 M-1	THERMOCOUPLE JACK PANEL JKP NL-MEZZ-2 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-309	
18	DG-097	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-8 M-2	THERMOCOUPLE JACK PANEL JKP NL-MEZZ-3 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-310	
19	DG-098	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-8 M-3	THERMOCOUPLE JACK PANEL JKP NL-MEZZ-3 (INPUTS 13-16)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-310	
20	DG-099	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-8 M-4	THERMOCOUPLE JACK PANEL JKP NL-MEZZ-3 (INPUTS 17-24)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-310	
21	DG-100	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-8 M-5	THERMOCOUPLE JACK PANEL JKP NL-MEZZ-4 (INPUTS 1-8)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-311	
22	DG-101	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-8 M-6	THERMOCOUPLE JACK PANEL JKP NL-MEZZ-4 (INPUTS 9-16)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-311	
23	DG-102	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-8 M-7	THERMOCOUPLE JACK PANEL JKP NL-MEZZ-4 (INPUTS 17-24)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-311	
24	DG-103	THERMOCOUPLE CAB - DCSG-TCJB-01 I/O CARD N-8 M-8	THERMOCOUPLE JACK PANEL JKP NL-M8-4 (INPUTS 17-24)	SHAWFLEX/74222M2008XY700	8P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-306	
25	DG-TE-2609B	MCC #1 TSH-2609 HI-LIMIT ALARM TERMINALS, 4 & 5	FIELD DEVICE RM 8 QUENCH INJECTION HEATER	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	60	E-DCSG-BCC4-803	
26	DG-TE-2607B	MCC #1 TSH-2607 HI-LIMIT ALARM TERMINALS, 4 & 5	FIELD DEVICE RM 8 SCRUBBER INJECTION HEATER	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	60	E-DCSG-BCC4-804	
27	DG-TE-2605B	MCC #1 TSH-2605 HI-LIMIT ALARM TERMINALS, 4 & 5	FIELD DEVICE RM 8 REACTOR INJECTION HEATER	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	60	E-DCSG-BCC4-805	
28	DG-TE-3202B	MCC #1 TSH-3202 HI-LIMIT ALARM TERMINALS, 4 & 5	FIELD DEVICE RM 8 SCRUBBER VESSEL HEATER	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	80	E-DCSG-BCC4-806	
29	DG-TE-4305B	MCC #1 TSH-4305 HI-LIMIT ALARM TERMINALS, 4 & 5	FIELD DEVICE RM 8 REACTOR WATER WALL HEAT	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	60	E-DCSG-BCC4-807	
30	DG-TE-1103	CO2 HEATER CABINET SOLO, 1&2 TEMPCO, 4&5	FIELD DEVICE OUTSIDE CO2 HEATER	SHAWFLEX/74221M2002XY700	2P , 20 AWG	KX TYPE, XLPE, AIA	300 V	300	E-DCSG-BCC4-801	
31	DG-TE-3403B	FLARE SYSTEM THERMOCOUPLE JB TB 3+, 4-, 7+, 8-	THERMOCOUPLE JACK PANEL JKP NL-MEZZ-2 INPUT 6+, 6-, 5+, 5-	SHAWFLEX/74221M2002XY700	2P , 20 AWG	NX TYPE, XLPE, AIA	300 V	50	E-DCSG-BCC4-903	
32	DG-TE-1104	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE OUTSIDE CO2 COMP BLANKET HEATER	SHAWFLEX/74221M2001XY700	1P , 20 AWG	KX TYPE, XLPE, AIA	300 V	300	E-DCSG-BCC4-404	
33	DG-TE-1105	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE OUTSIDE CO2 COMP HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	300	E-DCSG-BCC4-404	
34	DG-TE-2401	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 116 OIL TANK HEATER	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	300	E-DCSG-BCC4-404	FUTURE USE, DO NOT RUN CABLE
35	DG-TE-3216	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 SCRUBBER GAS HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
36	DG-TE-3218	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 SCRUBBER GAS HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
37	DG-TE-5107	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 REACTOR GAS HEATED LINE	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
38	DG-TE-5120	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 OS SAMPLE GAS HEATED LINE	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
39	DG-TE-5132	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 SCRUBBER GAS HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
40	DG-TE-5102	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 REACTOR GAS HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
41	DG-TE-5109	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 REACTOR GAS HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
42	DG-TE-5115	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 OS GAS HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
43	DG-TE-5122	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 OS GAS HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
44	DG-TE-5128	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 SCRUBBER GAS HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
45	DG-TE-5134	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE RM 8 SCRUBBER GAS HEAT TRACING	SHAWFLEX/74221M2001XY700	1P , 20 AWG	NX TYPE, XLPE, AIA	300 V	100	E-DCSG-BCC4-404	
46	DG-TE-3112A	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE MEZZANINE COMPBUSTER PORT 1 TEMP	SHAWFLEX/74221M2001XY700	1P , 20 AWG	BX TYPE, XLPE, AIA	300 V	125	E-DCSG-BCC4-310	
47	DG-TE-3112B	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE MEZZANINE COMPBUSTER PORT 2 TEMP	SHAWFLEX/74221M2001XY700	1P , 20 AWG	BX TYPE, XLPE, AIA	300 V	125	E-DCSG-BCC4-310	
48	DG-TE-3112C	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE MEZZANINE COMPBUSTER PORT 3 TEMP	SHAWFLEX/74221M2001XY700	1P , 20 AWG	BX TYPE, XLPE, AIA	300 V	125	E-DCSG-BCC4-310	
49	DG-TE-3112D	HEAT TRACING CABINET-DCSG-HTC-01 TEMP CONT. TERMINALS, 4 & 5	FIELD DEVICE MEZZANINE COMPBUSTER PORT 3 TEMP	SHAWFLEX/74221M2001XY700	1P , 20 AWG	BX TYPE, XLPE, AIA	300 V	125	E-DCSG-BCC4-310	

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ITEM	CABLE NO.	INSTRUMENT DESCRIPTION	FROM JB	TERMINAL NO.	TO	P&ID SHEET NO.	MFG	CAT NO.	CABLE CONDUCTOR/ SIZE (AWG)	ESTIMATE D LENGTH (FT)	REF. DWG.
1	DG-FT-2103A	O2 GAS SUPPLY STAGE 1 FLOW	DCSG-AIB-01	1004	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-101
2	DG-FT-2103B	O2 GAS SUPPLY STAGE 2 FLOW	DCSG-AIB-01	1009	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-101
3	DG-FT-2103C	O2 GAS SUPPLY STAGE 3 FLOW	DCSG-AIB-01	1014	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-101
4	DG-FT-2107A	N2 REACTOR SAMPLE PROBE OUTER COOLING FLOW	DCSG-AIB-01	1019	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-101
5	DG-FT-2107B	N2 REACTOR SAMPLE PROBE INNER COOLING FLOW	DCSG-AIB-01	1024	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-101
6	DG-FT-2107C	N2 QS SAMPLE PROBE COOLING FLOW	DCSG-AIB-01	1029	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-101
7	DG-FT-2108A	CO2 GAS SUPPLY STAGE 1 FLOW	DCSG-AIB-01	1034	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-101
8	DG-FT-2108B	CO2 GAS SUPPLY STAGE 2 FLOW	DCSG-AIB-01	1039	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-101
9	DG-FT-2108C	CO2 GAS SUPPLY STAGE 3 FLOW	DCSG-AIB-01	1048	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-102
10	DG-FT-2111	CO2 GAS SUPPLY TO REACTOR HEAD FLOW	DCSG-AIB-01	1053	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-102
11	DG-FT-2112	CO2 INTERMEDIATE QUENCH JACKET FLOW	DCSG-AIB-01	1058	RMMB	2-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-102
12	DG-FT-2203	HP NATURAL GAS STAGE 3 FLOW	DCSG-AIB-01	1063	MEZZ	2-02	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	110	E-DCSG-BCC4-102
13	DG-FT-2205	HP NATURAL GAS STAGE 2 FLOW	DCSG-AIB-01	1068	MEZZ	2-02	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	110	E-DCSG-BCC4-102
14	DG-FT-2209	HP NATURAL GAS STAGE 1 FLOW	DCSG-AIB-01	1073	MEZZ	2-02	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	110	E-DCSG-BCC4-102
15	DG-FT-2403	LIQUID FUEL SYS DISCHARGE PUMP FLOW (FUTURE)	DCSG-AIB-01	1078	MEZZ	2-04	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	110	E-DCSG-BCC4-102
16	DG-FT-2505	LOW PRESS WATER SUPPLY TO REACTOR COOLER FLOW	DCSG-AIB-01	1083	RM116	2-05	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	95	E-DCSG-BCC4-102
17	DG-FT-2610	HIGH PRESS WATER RECYCLE PUMP FLOW	DCSG-AIB-01	1082	RM116	2-06	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	95	E-DCSG-BCC4-102
18	DG-FT-2609	QUENCH INJECTION FLOW	DCSG-AIB-01	1097	RM116	2-06	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	95	E-DCSG-BCC4-103
19	DG-FT-2608	BUFFER SOLUTION FEED PUMP TO QUENCH INJECTION FLOW	DCSG-AIB-01	1102	RM116	2-06	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	95	E-DCSG-BCC4-103
20	DG-FT-2606	BUFFER SOLUTION FEED PUMP TO SCRUBBER INJECTION FLOW	DCSG-AIB-01	1107	RM116	2-06	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	95	E-DCSG-BCC4-103
21	DG-FT-2607	SCRUBBER INJECTION WATER FLOW	DCSG-AIB-01	1112	RM116	2-06	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	95	E-DCSG-BCC4-103
22	DG-FT-2605	REACTOR INJECTION WATER FLOW	DCSG-AIB-01	1117	RM116	2-06	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	95	E-DCSG-BCC4-103
23	DG-FT-3221	SAMPLE GAS SYS OUTLET FLOW	DCSG-AIB-01	1122	RMMB	3-02	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	100	E-DCSG-BCC4-103
24	DG-FT-3301	QUENCH LIQUID FILTERS OUTLET FLOW	DCSG-AIB-01	1127	RM115	3-03	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	75	E-DCSG-BCC4-103
25	DG-FT-3302	SCRUBBER LIQUID FILTERS OUTLET FLOW	DCSG-AIB-01	1136	RM115	3-03	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	75	E-DCSG-BCC4-104
26	DG-FT-4101	LP COOLING WATER TO QUENCH JACKET FLOW	DCSG-AIB-01	1141	RMMB	4-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-104
27	DG-FT-4102	LP COOLING WATER TO REACTOR PROBE NOZZLE FLOW	DCSG-AIB-01	1146	RMMB	4-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-104
28	DG-FT-4103	LP COOLING WATER TO HEAD EXTERNAL FLOW	DCSG-AIB-01	1151	RMMB	4-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-104
29	DG-FT-4104	LP COOLING WATER TO QUENCH LIQ HX OUTLET FLOW	DCSG-AIB-01	1156	RMMB	4-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-104
30	DG-FT-4105	LP COOLING WATER TO SCRUBBER LIQ SAMPLE HX FLOW	DCSG-AIB-01	1161	RMMB	4-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-104
31	DG-FT-4201A	HP COOLING WATER TO OUTER BURNER COOLING FLOW	DCSG-AIB-01	1166	RMMB	4-02	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-104
32	DG-FT-4201B	HP COOLING WATER TO INNER BURNER COOLING FLOW	DCSG-AIB-01	1171	RMMB	4-02	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	115	E-DCSG-BCC4-104
33	DG-FT-4304	HP WATER WALL RECIRCULATION PUMP OUTLET FLOW	DCSG-AIB-01	1180	RMMB	4-03	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	100	E-DCSG-BCC4-105
34	DG-FT-5106	REACTOR SAMPLE GAS SYS STAGE 1 FLOW	DCSG-AIB-01	1185	RMMB	5-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	100	E-DCSG-BCC4-105
35	DG-FT-5108	REACTOR SAMPLE GAS SYS OUTLET FLOW	DCSG-AIB-01	1190	RMMB	5-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	100	E-DCSG-BCC4-105
36	DG-FT-5119	QS LINE SAMPLE GAS SYS STAGE 1 FLOW	DCSG-AIB-01	1195	RMMB	5-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	100	E-DCSG-BCC4-105
37	DG-FT-5121	QS LINE SAMPLE GAS SYS OUTLET FLOW	DCSG-AIB-01	1200	RMMB	5-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	100	E-DCSG-BCC4-105
38	DG-FT-5131	SCRUBBER SAMPLE GAS SYS STAGE 1 FLOW	DCSG-AIB-01	1205	RMMB	5-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	100	E-DCSG-BCC4-105
39	DG-FT-5133	SCRUBBER SAMPLE GAS SYS OUTLET FLOW	DCSG-AIB-01	1210	RMMB	5-01	ELECTROCABLES	6PAASOS18-2PR-TFT4-HL	2 PR #18 TWSHACC	100	E-DCSG-BCC4-105
40	DG-PT-1101	CO2 BULK TANK PRESS	DCSG-AIB-01	1224	(OUTSIDE)	1-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	275	E-DCSG-BCC4-106
41	DG-LT-1101	CO2 BULK TANK LEVEL	DCSG-AIB-01	1226	(OUTSIDE)	1-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	275	E-DCSG-BCC4-106
42	DG-PT-1104	CO2 BUFFER TANK PRESS	DCSG-AIB-01	1238	(OUTSIDE)	1-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	275	E-DCSG-BCC4-106
43	DG-PT-1201	O2 LARGE TANK PRESS	DCSG-AIB-01	1244	(OUTSIDE)	1-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	250	E-DCSG-BCC4-106
44	DG-LT-1201	O2 LARGE TANK LEVEL	DCSG-AIB-01	1246	(OUTSIDE)	1-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	250	E-DCSG-BCC4-106
45	DG-PT-1202	O2 SMALL TANK PRESS	DCSG-AIB-01	1248	(OUTSIDE)	1-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	250	E-DCSG-BCC4-106
46	DG-LT-1202	O2 SMALL TANK LEVEL	DCSG-AIB-01	1250	(OUTSIDE)	1-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	250	E-DCSG-BCC4-106
47	DG-PT-1204	O2 BUFFER TANK PRESS	DCSG-AIB-01	1266	(OUTSIDE)	1-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	275	E-DCSG-BCC4-107
48	DG-PT-1301	N2 SMALL TANK PRESS	DCSG-AIB-01	1268	(OUTSIDE)	1-03	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	300	E-DCSG-BCC4-107
49	DG-LT-1301	N2 SMALL TANK LEVEL	DCSG-AIB-01	1270	(OUTSIDE)	1-03	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	300	E-DCSG-BCC4-107
50	DG-PT-1303	N2 BUFFER TANK PRESS	DCSG-AIB-01	1286	(OUTSIDE)	1-03	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	300	E-DCSG-BCC4-107
51	DG-PT-1605	PRODUCED WATER SUPPLY PUMP OUTLET PRESS	DCSG-AIB-01	1296	RM116	1-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-107
52	DG-PCV-1605	PRODUCED WATER RECIRC CONTROL VALVE	DCSG-AIB-01	1500	RM116	1-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-108
53	DG-PCV-1606	PRODUCED OILY WATER RECIRC CONTROL VALVE	DCSG-AIB-01	1502	RM116	1-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-108
54	DG-FCV-2111	CO2 GAS SUPPLY TO REACTOR HEAD CONTROL VALVE	DCSG-AIB-01	1504	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-108
55	DG-FCV-2112	CO2 INTERMEDIATE QUENCH JACKET FLOW CONTROL VALVE	DCSG-AIB-01	1506	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-108
56	DG-FCV-2203	HP NATURAL GAS STAGE 3 FLOW CONTROL VALVE	DCSG-AIB-01	1508	MEZZ	2-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	110	E-DCSG-BCC4-108
57	DG-FCV-2206	HP NATURAL GAS STAGE 2 FLOW CONTROL VALVE	DCSG-AIB-01	1510	MEZZ	2-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	110	E-DCSG-BCC4-108
58	DG-FCV-2209	HP NATURAL GAS STAGE 1 FLOW CONTROL VALVE	DCSG-AIB-01	1512	MEZZ	2-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	110	E-DCSG-BCC4-108
59	DG-SIC-2301	SLURRY TANK AGITATOR MOTOR SPEED CONTROL	DCSG-AIB-01	1514	RMMB	2-03	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-108
60	DG-FCV-2505	LOW PRESS WATER SUPPLY TO REACTOR COOLER FLOW CONTROL VALVE	DCSG-AIB-01	1520	RM116	2-05	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-108
61	DG-FCV-2609	QUENCH INJECTION FLOW CONTROL VALVE	DCSG-AIB-01	1526	RM116	2-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-108
62	DG-FCV-2608	BUFFER SOLUTION FEED PUMP FLOW QUENCH INJECTION CONTROL VALVE	DCSG-AIB-01	1528	RM116	2-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-108
63	DG-FCV-2606	BUFFER SOLUTION FEED PUMP FLOW SCRUBBER INJECTION CONTROL VALVE	DCSG-AIB-01	1530	RM116	2-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-108
64	DG-FCV-2607	SCRUBBER INJECTION WATER FLOW CONTROL VALVE	DCSG-AIB-01	1532	RM116	2-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-109
65	DG-FCV-2605	REACTOR INJECTION WATER FLOW CONTROL VALVE	DCSG-AIB-01	1534	RM116	2-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-109
66	DG-PIC-2601	LOW PRESS WATER RECYCLE PUMP PRESS CONTROL	DCSG-AIB-01	1536	RM116	2-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-109
67	DG-PCV-3216A	SAMPLE GAS VALVE TRAIN 1 PRESS CONTROL VALVE	DCSG-AIB-01	1538	RMMB	3-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	100	E-DCSG-BCC4-109
68	DG-PCV-3217	SAMPLE GAS VALVE TRAIN 1 PRESS 1 CONTROL VALVE	DCSG-AIB-01	1540	RMMB	3-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	100	E-DCSG-BCC4-109
69	DG-PCV-3219	SAMPLE GAS VALVE TRAIN 1 PRESS 2 CONTROL VALVE	DCSG-AIB-01	1542	RMMB	3-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	100	E-DCSG-BCC4-109
70	DG-PCV-3216B	SAMPLE GAS VALVE TRAIN 2 PRESS CONTROL VALVE	DCSG-AIB-01	1544	RMMB	3-02	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	100	E-DCSG-BCC4-109
71	DG-LCV-3301	QUENCH LIQUID FILTERS OUTLET LEVEL CONTROL VALVE	DCSG-AIB-01	1546	RM115	3-03	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	75	E-DCSG-BCC4-109
72	DG-PT-1606	PRODUCED OILY WATER SUPPLY PUMP OUTLET PRESS	DCSG-AIB-01	1307	RM116	1-06	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	95	E-DCSG-BCC4-110
73	DG-PT-2101	O2 GAS SUPPLY SYS PRESS	DCSG-AIB-01	1309	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-110
74	DG-PT-2103B	O2 GAS PRESS STAGE 2	DCSG-AIB-01	1311	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-110
75	DG-PT-2103C	O2 GAS PRESS STAGE 3	DCSG-AIB-01	1313	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-110
76	DG-PT-2104	O2 GAS SUPPLY PRESS TO BURNER	DCSG-AIB-01	1325	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-110
77	DG-PT-2105	N2 GAS SUPPLY SYS PRESS	DCSG-AIB-01	1327	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-110
78	DG-PT-2107A	N2 REACTOR SAMPLE PROBE OUTER COOLING PRESS	DCSG-AIB-01	1335	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-110
79	DG-PT-2107B	N2 REACTOR SAMPLE PROBE INNER COOLING PRESS	DCSG-AIB-01	1337	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-110
80	DG-PT-2107C	N2 QS SAMPLE PROBE COOLING PRESS	DCSG-AIB-01	1339	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-110
81	DG-PT-2108	CO2 GAS SUPPLY SYS PRESS	DCSG-AIB-01	1345	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-111
82	DG-PT-2109B	CO2 GAS PRESS STAGE 2	DCSG-AIB-01	1347	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-111
83	DG-PT-2109C	CO2 GAS PRESS STAGE 3	DCSG-AIB-01	1349	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-111
84	DG-PT-2110	CO2 GAS SUPPLY PRESS TO BURNER	DCSG-AIB-01	1357	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-111
85	DG-PT-2111	CO2 GAS SUPPLY TO REACTOR HEAD PRESS	DCSG-AIB-01	1359	RMMB	2-01	ELECTROCABLES	6PAASOS18-1PR-TFT4-HL	1 PR #18 TWSHACC	115	E-DCSG-BCC4-111

REFERENCE DRAWINGS

ITEM	CABLE NO.	INSTRUMENT DESCRIPTION	FROM JB	TERMINAL NO.	TO	P&ID SHEET NO	MFG	CAT NO.	CABLE CONDUCTOR/ SIZE (AWG)	ESTIMATE D LENGTH (FT)	REF. DWG.
1	DG-PT-2112	CO2 INTERMEDIATE QUENCH JACKET SUPPLY PRESS	DCSG-AIB-01	1365	RM M9	2-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-111
2	DG-PT-2201	HP NATURAL GAS STAGE 3 PRESS	DCSG-AIB-01	1367	MEZZ	2-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	110	E-DCSG-BCC4-111
3	DG-PT-2204	HP NATURAL GAS STAGE 2 PRESS	DCSG-AIB-01	1369	MEZZ	2-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	110	E-DCSG-BCC4-111
4	DG-PT-2207	HP NATURAL GAS STAGE 1 PRESS	DCSG-AIB-01	1371	MEZZ	2-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	110	E-DCSG-BCC4-111
5	DG-PT-2203	HP NATURAL GAS STAGE 3 OUTLET PRESS	DCSG-AIB-01	1373	MEZZ	2-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	110	E-DCSG-BCC4-111
6	DG-PT-2206	HP NATURAL GAS STAGE 2 OUTLET PRESS	DCSG-AIB-01	1375	MEZZ	2-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	110	E-DCSG-BCC4-111
7	DG-PT-2209	HP NATURAL GAS STAGE 1 OUTLET PRESS	DCSG-AIB-01	1377	MEZZ	2-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	110	E-DCSG-BCC4-111
8	DG-WT-2301	SLURRY TANK WEIGHT	DCSG-AIB-01	1385	RM M9	2-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-112
9	DG-PT-2302	SLURRY TANK DISCHARGE PUMP PRESS	DCSG-AIB-01	1389	RM M9	2-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-112
10	DG-LT-2402	LIQUID FUEL SYS TANK LEVEL [FUTURE]	DCSG-AIB-01	1391	RM M9	2-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-112
11	DG-PT-2403	LIQUID FUEL SYS DISCHARGE PUMP PRESS [FUTURE]	DCSG-AIB-01	1395	RM M9	2-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-112
12	DG-PT-2502	LOW PRESS WATER SUPPLY PRESS	DCSG-AIB-01	1397	RM 116	2-05	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-112
13	DG-PT-2610	HIGH PRESS WATER RECYCLE PUMP PRESS	DCSG-AIB-01	1405	RM 116	2-06	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-112
14	DG-PT-2609	QUENCH INJECTION PRESSURE	DCSG-AIB-01	1407	RM 116	2-06	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-112
15	DG-PT-2607	SCRUBBER INJECTION WATER PRESS	DCSG-AIB-01	1409	RM 116	2-06	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-112
16	DG-PT-2605	REACTOR INJECTION WATER PRESS	DCSG-AIB-01	1411	RM 116	2-06	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-112
17	DG-PT-2601	LOW PRESS WATER RECYCLE PUMP PRESS	DCSG-AIB-01	1415	RM 116	2-06	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-112
18	DG-PT-3107A	REACTOR TOP HEAD PRESS	DCSG-AIB-01	1417	MEZZ	3-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	110	E-DCSG-BCC4-112
19	DG-PT-3107B	REACTOR QUENCH VESSEL OUTLET PRESS	DCSG-AIB-01	1419	MEZZ	3-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	110	E-DCSG-BCC4-112
20	DG-LT-3120	REACTOR QUENCH TO ASH HANDLING SECTION 2 LEVEL	DCSG-AIB-01	1425	RM M8	3-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
21	DG-PT-3128	HIPROX FACILITY INSTRUMENT AIR PRESS	DCSG-AIB-01	1427	RM M8	3-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
22	DG-PT-3129	HIPROX FACILITY ATMOSPHERE AIR PRESS	DCSG-AIB-01	1429	RM M8	3-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
23	DG-PT-3208	SCRUBBER VESSEL N2 PRESS	DCSG-AIB-01	1431	RM M8	3-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
24	DG-LT-3205	SCRUBBER VESSEL LEVEL	DCSG-AIB-01	1433	RM M8	3-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
25	DG-PDT-3210	GAS FILTER 1 DIFFERENTIAL PRESS	DCSG-AIB-01	1435	RM M8	3-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
26	DG-PDT-3211	GAS FILTER 2 DIFFERENTIAL PRESS	DCSG-AIB-01	1437	RM M8	3-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
27	DG-PT-3217	GAS FILTERS OUTLET TO SAMPLE SYS/BLOWDOWN PRESS	DCSG-AIB-01	1439	RM M8	3-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
28	DG-PT-3216	SAMPLE GAS VALVE TRAIN 1 PRESS 1	DCSG-AIB-01	1445	RM M8	3-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
29	DG-PT-3219	SAMPLE GAS VALVE TRAIN 1 PRESS 2	DCSG-AIB-01	1447	RM M8	3-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
30	DG-PT-3221	SAMPLE GAS SYS OUTLET PRESS	DCSG-AIB-01	1449	RM M8	3-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-113
31	DG-PDT-3301A	QUENCH LIQUID FILETER 1 DIFFERENTIAL PRESS	DCSG-AIB-01	1451	RM 115	3-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	75	E-DCSG-BCC4-113
32	DG-PDT-3301B	QUENCH LIQUID FILETER 2 DIFFERENTIAL PRESS	DCSG-AIB-01	1453	RM 115	3-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	75	E-DCSG-BCC4-113
33	DG-PDT-3302A	SCRUBBER LIQUID FILETER 1 DIFFERENTIAL PRESS	DCSG-AIB-01	1455	RM 115	3-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	75	E-DCSG-BCC4-113
34	DG-PDT-3302B	SCRUBBER LIQUID FILETER 2 DIFFERENTIAL PRESS	DCSG-AIB-01	1457	RM 115	3-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	75	E-DCSG-BCC4-113
35	DG-LT-3401	BLOWDOWN TANK V-3401 LEVEL	DCSG-AIB-01	1459	RM M8	3-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	110	E-DCSG-BCC4-113
36	DG-LT-3403	FLARE KNOCKOUT DRUM V-3403 LEVEL	DCSG-AIB-01	1465	MEZZ	3-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	125	E-DCSG-BCC4-114
37	DG-PT-4304	REACTOR REACTOR WATER WALL OUTLET PRESS	DCSG-AIB-01	1467	RM M8	4-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-114
38	DG-PT-4306	HP WATER WALL RECIRCULATION PUMP OUTLET PRESS	DCSG-AIB-01	1471	RM M8	4-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-114
39	DG-PT-4401	RECYCLE WATER BURNER COOLER OUTLET PRESS	DCSG-AIB-01	1473	RM 116	4-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-114
40	DG-LT-4401	RECYCLE WATER VESSEL V-4401 LEVEL	DCSG-AIB-01	1475	RM 116	4-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-114
41	DG-PT-4504	GLYCOL COOLER PUMP OUTLET PRESS	DCSG-AIB-01	1479	RM 116	4-05	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-114
42	DG-LCV-3302	SCRUBBER LIQUID FILETERS OUTLET LEVEL CONTROL VALVE	DCSG-AIB-01	1548	RM 115	3-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	75	E-DCSG-BCC4-115
43	DG-TCV-4101	LP COOLING WATER TO QUENCH JACKET TEMP CONTROL VALVE	DCSG-AIB-01	1550	RM M9	4-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-115
44	DG-TCV-4102	LP COOLING WATER TO REACTOR PROBE NOZZLE TEMP CONTROL VALVE	DCSG-AIB-01	1552	RM M9	4-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-115
45	DG-TCV-4103	LP COOLING WATER TO HEAD EXTERNAL TEMP CONTROL VALVE	DCSG-AIB-01	1554	RM M9	4-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-115
46	DG-TCV-4104	LP COOLING WATER TO QUENCH LIQ HX OUTLET TEMP CONTROL VALVE	DCSG-AIB-01	1556	RM M9	4-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-115
47	DG-TCV-4105	LP COOLING WATER TO SCRUBBER LIQ SAMPLE HX TEMP CONTROL VALVE	DCSG-AIB-01	1558	RM M9	4-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-115
48	DG-TCV-4201A	HP COOLING WATER TO OUTER BURNER COOLING TEMP CONTROL VALVE	DCSG-AIB-01	1560	RM M9	4-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-115
49	DG-TCV-4201B	HP COOLING WATER TO INNER BURNER COOLING TEMP CONTROL VALVE	DCSG-AIB-01	1562	RM M9	4-02	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-115
50	DG-TCV-4302A	REACTOR WATER WALL OUTLET TEMP CONTROL VALVE	DCSG-AIB-01	1564	RM M8	4-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-115
51	DG-TCV-4302B	REACTOR WATER WALL OUTLET BYPASS TEMP CONTROL VALVE	DCSG-AIB-01	1566	RM M8	4-03	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-115
52	DG-PCV-4401	RECYCLE WATER BURNER COOLER OUTLET PRESS CONTROL VALVE	DCSG-AIB-01	1570	RM 116	4-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	95	E-DCSG-BCC4-115
53	DG-FCV-5105	REACTOR SAMPLE GAS SYS STAGE 1 FLOW CONTROL VALVE	DCSG-AIB-01	1572	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-115
54	DG-FCV-5108	REACTOR SAMPLE GAS SYS STAGE 2 FLOW CONTROL VALVE	DCSG-AIB-01	1574	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-115
55	DG-FCV-5119	QS LINE SAMPLE GAS SYS STAGE 1 FLOW CONTROL VALVE	DCSG-AIB-01	1576	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-115
56	DG-FCV-5121	QS LINE SAMPLE GAS SYS STAGE 2 FLOW CONTROL VALVE	DCSG-AIB-01	1578	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-115
57	DG-FCV-5131	SCRUBBER SAMPLE GAS SYS STAGE 1 FLOW CONTROL VALVE	DCSG-AIB-01	1588	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-116
58	DG-FCV-5133	SCRUBBER SAMPLE GAS SYS STAGE 2 FLOW CONTROL VALVE	DCSG-AIB-01	1590	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-116
59	DG-PT-5106	REACTOR SAMPLE GAS SYS STAGE 1 PRESS	DCSG-AIB-01	1485	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-117
60	DG-PT-5108	REACTOR SAMPLE GAS SYS STAGE 2 PRESS	DCSG-AIB-01	1487	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-117
61	DG-PT-5119	QS LINE SAMPLE GAS SYS STAGE 1 PRESS	DCSG-AIB-01	1489	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-117
62	DG-PT-5121	QS LINE SAMPLE GAS SYS STAGE 2 PRESS	DCSG-AIB-01	1491	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-117
63	DG-PT-5131	SCRUBBER SAMPLE GAS SYS STAGE 1 PRESS	DCSG-AIB-01	1493	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-117
64	DG-PT-5133	SCRUBBER SAMPLE GAS SYS STAGE 2 PRESS	DCSG-AIB-01	1495	RM M8	5-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	100	E-DCSG-BCC4-117
65	DG-AT-5401A	REACTOR SAMPLE GAS O2 ANALYZER	DCSG-DCS-01	153		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-118
66	DG-AT-5401B	REACTOR SAMPLE GAS CO2 ANALYZER	DCSG-DCS-01	155		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-118
67	DG-AT-5401C	REACTOR SAMPLE GAS CO ANALYZER	DCSG-DCS-01	157		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-118
68	DG-AT-5401D	REACTOR SAMPLE GAS SO2 ANALYZER	DCSG-DCS-01	159		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-118
69	DG-AT-5401E	REACTOR SAMPLE GAS NOX ANALYZER	DCSG-DCS-01	161		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-118
70	DG-AT-5404A	BACK END SAMPLE GAS O2 ANALYZER	DCSG-DCS-01	171		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
71	DG-AT-5404B	BACK END SAMPLE GAS CO2 ANALYZER	DCSG-DCS-01	173		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
72	DG-AT-5404C	BACK END SAMPLE GAS CO ANALYZER	DCSG-DCS-01	175		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
73	DG-AT-5404D	BACK END SAMPLE GAS SO2 ANALYZER	DCSG-DCS-01	177		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
74	DG-AT-5404E	BACK END SAMPLE GAS NOX ANALYZER	DCSG-DCS-01	179		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
75	DG-AT-5402A	QS SAMPLE GAS O2 ANALYZER	DCSG-DCS-01	189		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
76	DG-AT-5402B	QS SAMPLE GAS CO2 ANALYZER	DCSG-DCS-01	191		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
77	DG-AT-5402C	QS SAMPLE GAS CO ANALYZER	DCSG-DCS-01	193		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
78	DG-AT-5403A	SCRUBBER SAMPLE GAS O2 ANALYZER	DCSG-DCS-01	195		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
79	DG-AT-5403B	SCRUBBER SAMPLE GAS CO2 ANALYZER	DCSG-DCS-01	197		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
80	DG-AT-5403C	SCRUBBER SAMPLE GAS CO ANALYZER	DCSG-DCS-01	199		5-04	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	50	E-DCSG-BCC4-119
81	DG-FCV-2103A	O2 GAS SUPPLY STAGE 1 FLOW CONTROL VALVE	DCSG-AIB-01	1597	RM M9	2-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-120
82	DG-FCV-2103B	O2 GAS SUPPLY STAGE 2 FLOW CONTROL VALVE	DCSG-AIB-01	1599	RM M9	2-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-120
83	DG-FCV-2103C	O2 GAS SUPPLY STAGE 3 FLOW CONTROL VALVE	DCSG-AIB-01	1601	RM M9	2-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-120
84	DG-FCV-2107A	N2 REACTOR SAMPLE PROBE OUTER COOLING FLOW CONTROL VALVE	DCSG-AIB-01	1603	RM M9	2-01	ELECTROCABLES	6PAAOS18-1PR-TFT4-HL	1 PR #18 TWSH ACIC	115	E-DCSG-BCC4-120
85	DG-FCV-2107B	N2 REACTOR SAMPLE PROBE INNER COOLING FLOW CONTROL VALVE	DCSG-AIB-01</								

ITEM	CABLE NO.	INSTRUMENT DESCRIPTION	FROM JB	TO	MFG/CAT NO.	CABLE CONDUCTOR/ SIZE (AWG)	CABLE TYPE	ESTIMATE D LENGTH (FT)	REF. DWG.	NOTES
1	DG-P-001	HEAT TRACING CABINET POWER	10-212-4008 PP-4W cct#13.5	DCSG-HTC-01	-	4C, 2 AWG	CU, TECK90, 1000V	50	E-DCSG-BCC4-005	
2	DG-P-002	VSD CABINET POWER	10-212-4003 PP-4E cct#10	DCSG-VSD-01	-	3C, 2/0 AWG	CU, TECK90, 1000V	50	E-DCSG-BCC4-005	
3	DG-P-003	MCC#2 CABINET POWER	10-210-4001 PP-4C	DCSG-MCC #1	-	3C, 3/0 AWG	CU, TECK90, 1000V	75	E-DCSG-BCC4-005	
4	DG-P-004	MCC#1 CABINET POWER	05-220-4003 cct#31.33.35	DCSG-MCC #1	-	3C, 4/0 AWG	CU, TECK90, 1000V	75	E-DCSG-BCC4-005	
5	DG-P-005	WATER PUMPS CABINET POWER	05-220-4003 cct#32.34.36	DCSG-PMP-01	-	3C, 2 AWG	CU, TECK90, 1000V	75	E-DCSG-BCC4-005	
6	DG-P-006	POW/PW TANKS BUILDING 208/120V	10-212-4008 PP-4W cct#10.12.14	POW/PW TANKS SHED	-	4C, 2 AWG	CU, TECK90, 1000V	375	E-DCSG-BCC4-005	
7	DG-P-007	POW/PW TANKS BUILDING 600V	10-212-4003 PP-4E cct#13	POW/PW TANKS SHED	-	3C, 14 AWG	CU, TECK90, 1000V	375	E-DCSG-BCC4-005	
8	DG-UPS-001	CONTROL CABINETS POWER	UPS Rack	DCSG-CC-01	-	2C, 12 AWG	CU, TECK90, 600V	25	E-DCSG-BCC4-005	
9	DG-UPS-002	BMS CABINET POWER	Analizer Rm 2nd Floor UPS Rack	DCSG-BMS-01	-	2C, 12 AWG	CU, TECK90, 600V	70	E-DCSG-BCC4-005	
10	DG-UPS-003	FLARE CONTROL CABINET POWER	Analizer Rm 2nd Floor UPS Rack	DCSG-FLR-01	-	2C, 12 AWG	CU, TECK90, 600V	70	E-DCSG-BCC4-005	
11	DG-EH-1104	CO2 COMPRESSOR OUTLET BLANKET HEATER	HEAT TRACING CAB	DISCONNECT OUTSIDE	-	3C, 14 AWG	CU, TECK90, 600V	280	E-DCSG-BCC4-401	
12	DG-EH-1104-A	CO2 COMPRESSOR OUTLET BLANKET HEATER	DISCONNECT OUTSIDE	HEATER	-	3C, 14 AWG	CU, TECK90, 600V	10	E-DCSG-BCC4-401	
13	DG-EH-1105	CO2 COMPRESSOR OUTLET HEAT TRACING	HEAT TRACING CAB	OUTSIDE	-	2C, 10 AWG	CU, TECK90, 600V	280	E-DCSG-BCC4-401	
14	DG-EH-1105-A	CO2 COMPRESSOR OUTLET HEAT TRACING	DISCONNECT OUTSIDE	HEAT TRACE	-	2C, 10 AWG	CU, TECK90, 600V	10	E-DCSG-BCC4-401	
15	DG-EH-2401	LIQUID FUEL SUPPLY TANK OIL HEATER	HEAT TRACING CAB	RM 116	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-402	
16	DG-EH-3216	SCRUBBER GAS OUTLET HEAT TRACING	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-402	
17	DG-EH-3218	SCRUBBER GAS OUTLET HEAT TRACING	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-402	
18	DG-EH-5107	REACTOR SAMPLE GAS HEATED LINE	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-402	
19	DG-EH-5120	OS SAMPLE GAS HEATED LINE	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-402	
20	DG-EH-5132	SCRUBBER SAMPLE GAS HEAT TRACING	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-402	
21	DG-EH-5102	REACTOR SAMPLE GAS HEAT TRACING	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-403	
22	DG-EH-5109	REACTOR SAMPLE GAS HEAT TRACING	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-403	
23	DG-EH-5115	OS SAMPLE GAS HEAT TRACING	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-403	
24	DG-EH-5122	OS SAMPLE GAS HEAT TRACING	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-403	
25	DG-EH-5128	SCRUBBER SAMPLE GAS HEAT TRACING	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-403	
26	DG-EH-5134	SCRUBBER SAMPLE GAS HEAT TRACING	HEAT TRACING CAB	RM M8	-	2C, 14 AWG	CU, TECK90, 600V	100	E-DCSG-BCC4-403	
27	DG-H-1103	CO2 COMPRESSOR OUTLET HEATER CABINET	MCC#1	CO2 COMP OUTLET HFATER CABINET DISCONNECT OUTSIDE	-	3C, 8 AWG	CU, TECK90, 1000V	70	E-DCSG-BCC4-801	
28	DG-EH-1103	CO2 COMPRESSOR OUTLET HEATER	CO2 COMP OUTLET HFATER CABINET DISCONNECT OUTSIDE	HEATER H-1103	-	3C, 8 AWG	CU, TECK90, 1000V	280	E-DCSG-BCC4-801	
29	DG-EH-1103-A	CO2 COMPRESSOR OUTLET HEATER	DISCONNECT OUTSIDE	HEATER H-1103	-	3C, 8 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-801	
30	DG-EH-1101A/B	CO2 BULK TANK VAPOURIZER	MCC#1	H-1101A/B (OUTSIDE)	-	3C, 2 AWG	CU, TECK90, 1000V	280	E-DCSG-BCC4-802	
31	DG-EH-2609	QUENCH INJECTION HEATER	MCC#1	DISCONNECT (RM M8)	-	3C, 12 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-803	
32	DG-EH-2609-A	QUENCH INJECTION HEATER	DISCONNECT (RM M8)	H-2609 RM M8	-	3C, 12 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-803	
33	DG-EH-2607	SCRUBBER INJECTION HEATER	MCC#1	DISCONNECT (RM M8)	-	3C, 8 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-804	
34	DG-EH-2607-A	SCRUBBER INJECTION HEATER	DISCONNECT (RM M8)	H-2607 RM M8	-	3C, 8 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-804	
35	DG-EH-2605	REACTOR INJECTION HEATER	MCC#1	DISCONNECT (RM M8)	-	3C, 4 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-805	
36	DG-EH-2605-A	REACTOR INJECTION HEATER	DISCONNECT (RM M8)	H-2605 RM M8	-	3C, 4 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-805	
37	DG-EH-3202	SCRUBBER VESSEL HEATER	MCC#1	DISCONNECT (RM M8)	-	3C, 14 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-806	
38	DG-EH-3202-A	SCRUBBER VESSEL HEATER	DISCONNECT (RM M8)	H-3202 RM M8	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-806	
39	DG-EH-4305	REACTOR WATER WALL HEATER	MCC#1	DISCONNECT (RM M8)	-	3C, 14 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-807	
40	DG-EH-4305-A	REACTOR WATER WALL HEATER	DISCONNECT (RM M8)	H-4305 RM M8	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-807	
41	DG-EM-2302	SLURRY TANK DISCHARGE PUMP	VSD CABINET	DISCONNECT (RM M8)	-	3C, 8 AWG	CU, TECK90, 1000V	110	E-DCSG-BCC4-501	
42	DG-EM-2302-A	SLURRY TANK DISCHARGE PUMP	DISCONNECT (RM M8)	MOTOR M-2302	-	3C, 8 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-501	
43	DG-EM-4304	HP WATER WALL RECIRCULATION PUMP	VSD CABINET	DISCONNECT (RM M8)	-	3C, 6 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-502	
44	DG-EM-4304-A	HP WATER WALL RECIRCULATION PUMP	DISCONNECT (RM M8)	MOTOR M-4304	-	3C, 6 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-502	
45	DG-EM-2601	LOW PRESS WATER RECYCLE PUMP	VSD CABINET	DISCONNECT (RM116)	-	3C, 6 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-503	
46	DG-EM-2601-A	LOW PRESS WATER RECYCLE PUMP	DISCONNECT (RM116)	MOTOR M-2601	-	3C, 6 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-503	
47	DG-EM-2610	HIGH PRESS WATER RECYCLE PUMP	VSD CABINET	DISCONNECT (RM116)	-	3C, 12 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-504	
48	DG-EM-2610-A	HIGH PRESS WATER RECYCLE PUMP	DISCONNECT (RM116)	MOTOR M-2610	-	3C, 12 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-504	
49	DG-EM-2403	LIQUID FUEL SYS DISCHARGE PUMP	VSD CABINET	DISCONNECT (RM116)	-	3C, 14 AWG	CU, TECK90, 1000V	[FUTURE]	E-DCSG-BCC4-505	
50	DG-EM-2403-A	LIQUID FUEL SYS DISCHARGE PUMP	DISCONNECT (RM116)	MOTOR M-2403	-	3C, 14 AWG	CU, TECK90, 1000V	[FUTURE]	E-DCSG-BCC4-505	
51	DG-EM-4402	COOLING WATER RECYCLE PUMP	VSD CABINET	DISCONNECT (RM116)	-	3C, 14 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-506	
52	DG-EM-4402-A	COOLING WATER RECYCLE PUMP	DISCONNECT (RM116)	MOTOR M-4402	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-506	
53	DG-EM-2603	BUFFER SOLUTION FEED PUMP	VSD CABINET	DISCONNECT (RM116)	-	3C, 14 AWG	CU, TECK90, 1000V	[FUTURE]	E-DCSG-BCC4-507	
54	DG-EM-2603-A	BUFFER SOLUTION FEED PUMP	DISCONNECT (RM116)	MOTOR M-2603	-	3C, 14 AWG	CU, TECK90, 1000V	[FUTURE]	E-DCSG-BCC4-507	
55	DG-EM-4504	GLYCOL RECIRCULATION PUMP	VSD CABINET	DISCONNECT (RM116)	-	3C, 14 AWG	CU, TECK90, 1000V	110	E-DCSG-BCC4-508	
56	DG-EM-4504-A	GLYCOL RECIRCULATION PUMP	DISCONNECT (RM116)	MOTOR M-4504	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-508	
57	DG-EM-4502A/B	GLYCOL AIR COOLER FANS	VSD CABINET	ON ROOF	-	3C, 14 AWG	CU, TECK90, 1000V	150	E-DCSG-BCC4-509	
58	DG-YV-3124	REACTOR AHS HANDLING DISCHARGE VAI VF	VSD CABINET	RM 115	-	3C, 14 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-510	
59	DG-YV-3125	REACTOR AHS HANDLING DISCHARGE VAI VF 2	VSD CABINET	RM 115	-	3C, 14 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-511	
60	DG-EM-2301	SLURRY TANK AGITATOR	VSD CABINET	DISCONNECT (RM M8)	-	3C, 14 AWG	CU, TECK90, 1000V	110	E-DCSG-BCC4-512	
61	DG-EM-2301-A	SLURRY TANK AGITATOR	DISCONNECT (RM M8)	MOTOR M-2302	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-512	
62	DG-EM-1606	PRODUCED OILY WATER SUPPLY PUMP	WATER PUMPS CAB	DISCONNECT (RM116)	-	3C, 14 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-701	
63	DG-EM-1606-A	PRODUCED OILY WATER SUPPLY PUMP	DISCONNECT (RM116)	MOTOR M-1606	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-701	
64	DG-EM-1604	PRODUCED OILY WATER RECIRC PUMP	WATER PUMPS CAB	DISCONNECT (RM116)	-	3C, 8 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-701	
65	DG-EM-1604-A	PRODUCED OILY WATER RECIRC PUMP	DISCONNECT (RM116)	MOTOR M-1604	-	3C, 8 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-701	
66	DG-EM-1605	PRODUCED WATER SUPPLY PUMP	WATER PUMPS CAB	DISCONNECT (RM116)	-	3C, 14 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-701	
67	DG-EM-1605-A	PRODUCED WATER SUPPLY PUMP	DISCONNECT (RM116)	MOTOR M-1605	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-701	
68	DG-EM-1603	PRODUCED WATER RECIRC PUMP	WATER PUMPS CAB	DISCONNECT (RM116)	-	3C, 8 AWG	CU, TECK90, 1000V	80	E-DCSG-BCC4-701	
69	DG-EM-1603-A	PRODUCED WATER RECIRC PUMP	DISCONNECT (RM116)	MOTOR M-1603	-	3C, 8 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-701	
70	DG-EM-1102	CO2 COMPRESSOR MOTOR	MCC#2	CO2 COMP CABINET	-	3C, 3 AWG	CU, TECK90, 1000V	90	E-DCSG-BCC4-852	
71	DG-EM-1102D	CO2 COMPRESSOR MOTOR	CO2 COMP CABINET	DISCONNECT OUTSIDE	-	3C, 3 AWG	CU, TECK90, 1000V	330	E-DCSG-BCC4-852	
72	DG-EM-1102F	CO2 COMPRESSOR MOTOR	CO2 COMP CABINET	DISCONNECT OUTSIDE	-	3C, 14 AWG	CU, TECK90, 1000V	330	E-DCSG-BCC4-852	
73	DG-EM-1102D-A	CO2 COMPRESSOR MOTOR	DISCONNECT OUTSIDE	DRIVE MOTOR	-	3C, 3 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-852	
74	DG-EM-1102F-A	CO2 COMPRESSOR MOTOR	DISCONNECT OUTSIDE	FAN MOTOR	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-852	
75	DG-EM-1203	O2 COMPRESSOR MOTOR	MCC#2	O2 COMP CABINET (OUTSIDE)	-	3C, 8 AWG	CU, TECK90, 1000V	300	E-DCSG-BCC4-853	
76	DG-EM-1203D	O2 COMPRESSOR MOTOR	O2 COMP CABINET	DISCONNECT	-	3C, 8 AWG	CU, TECK90, 1000V	25	E-DCSG-BCC4-853	
77	DG-EM-1203F	O2 COMPRESSOR MOTOR	O2 COMP CABINET	DISCONNECT	-	3C, 14 AWG	CU, TECK90, 1000V	25	E-DCSG-BCC4-853	
78	DG-EM-1203D-A	O2 COMPRESSOR MOTOR	DISCONNECT	DRIVE MOTOR	-	3C, 8 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-853	
79	DG-EM-1203F-A	O2 COMPRESSOR MOTOR	DISCONNECT	FAN MOTOR	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-853	
80	DG-EM-1302	N2 COMPRESSOR MOTOR	MCC#2	N2 COMP CABINET	-	3C, 3 AWG	CU, TECK90, 1000V	90	E-DCSG-BCC4-854	
81	DG-EM-1302D	N2 COMPRESSOR MOTOR	N2 COMP CABINET	DISCONNECT OUTSIDE	-	3C, 3 AWG	CU, TECK90, 1000V	330	E-DCSG-BCC4-854	
82	DG-EM-1302F	N2 COMPRESSOR MOTOR	N2 COMP CABINET	DISCONNECT OUTSIDE	-	3C, 14 AWG	CU, TECK90, 1000V	330	E-DCSG-BCC4-854	
83	DG-EM-1302D-A	N2 COMPRESSOR MOTOR	DISCONNECT OUTSIDE	DRIVE MOTOR	-	3C, 3 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-854	
84	DG-EM-1302F-A	N2 COMPRESSOR MOTOR	DISCONNECT OUTSIDE	FAN MOTOR	-	3C, 14 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-854	
85	DG-EM-1401	NG COMPRESSOR MOTOR	MCC#2	NG COMP CABINET	-	3C, 1 AWG	CU, TECK90, 1000V	60	E-DCSG-BCC4-855	
86	DG-EM-1401D	NG COMPRESSOR MOTOR	NG COMP CABINET	DISCONNECT OUTSIDE	-	3C, 1 AWG	CU, TECK90, 1000V	330	E-DCSG-BCC4-855	
87	DG-EM-1401D-A	NG COMPRESSOR MOTOR	DISCONNECT OUTSIDE	MOTOR	-	3C, 1 AWG	CU, TECK90, 1000V	10	E-DCSG-BCC4-855	
88	DG-EM-1601	PW TANK MIXER MOTOR	POW/PW SHED	COMBINATION STARTFR	-	3C, 14 AWG	CU, TECK90, 1000V	5	E-DCSG-BCC4-921	
89	DG-EM-1601-A	PW TANK MIXER MOTOR	FUSED DISCONNECT COMBINATION STARTFR	MIXER MOTOR	-	3C, 14 AWG	CU, TECK90, 1000V	100	E-DCSG-BCC4-921	
90	DG-EM-1602	PW TANK MIXER MOTOR	POW/PW SHED	COMBINATION STARTFR	-	3C, 14 AWG	CU, TECK90, 1000V	5	E-DCSG-BCC4-921	
91	DG-EM-1602-A	PW TANK MIXER MOTOR	FUSED DISCONNECT COMBINATION STARTFR	MIXER MOTOR	-	3C, 14 AWG	CU, TECK90, 1000V	100	E-DCSG-BCC4-9	