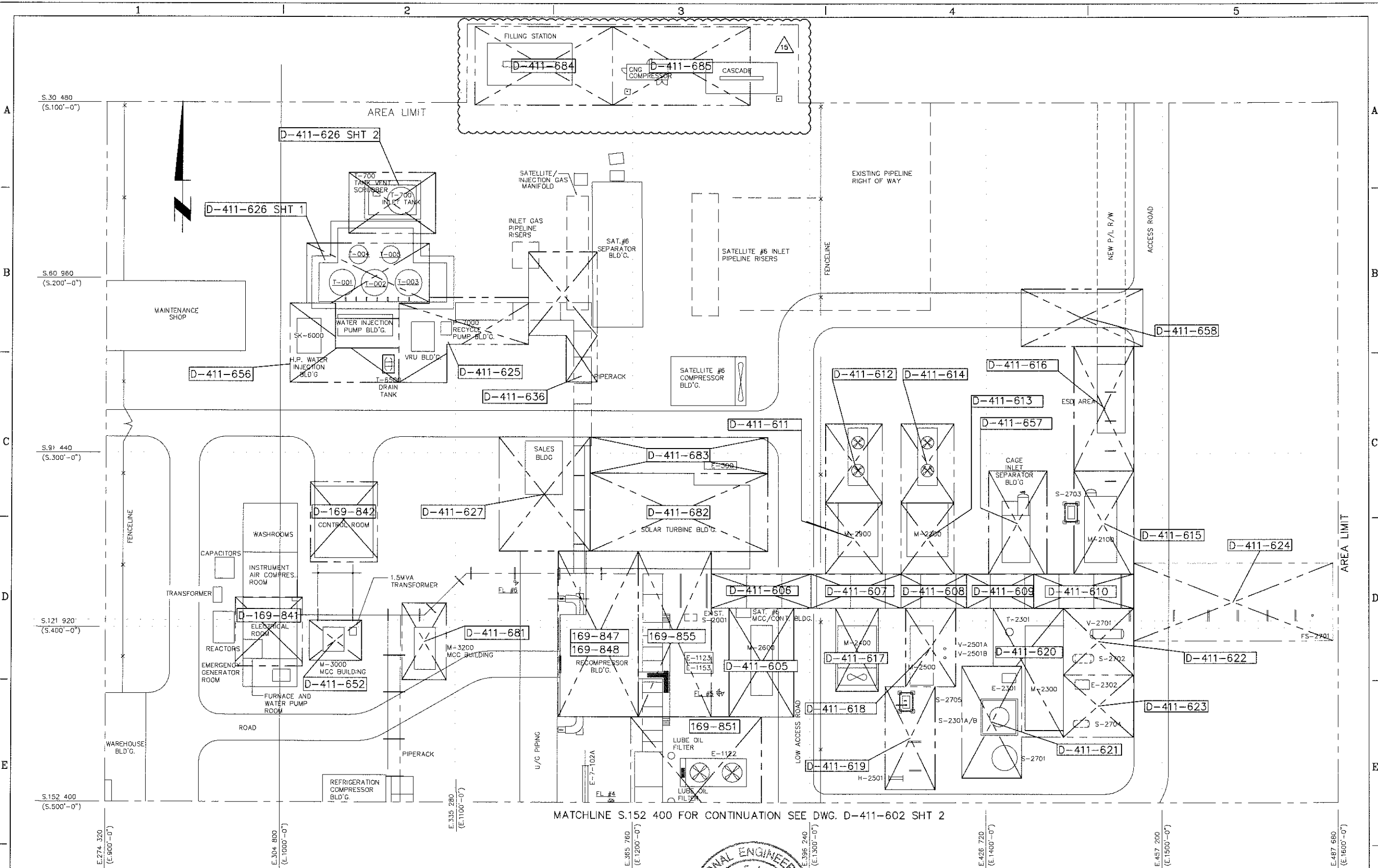
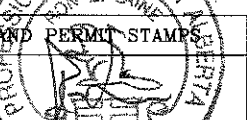
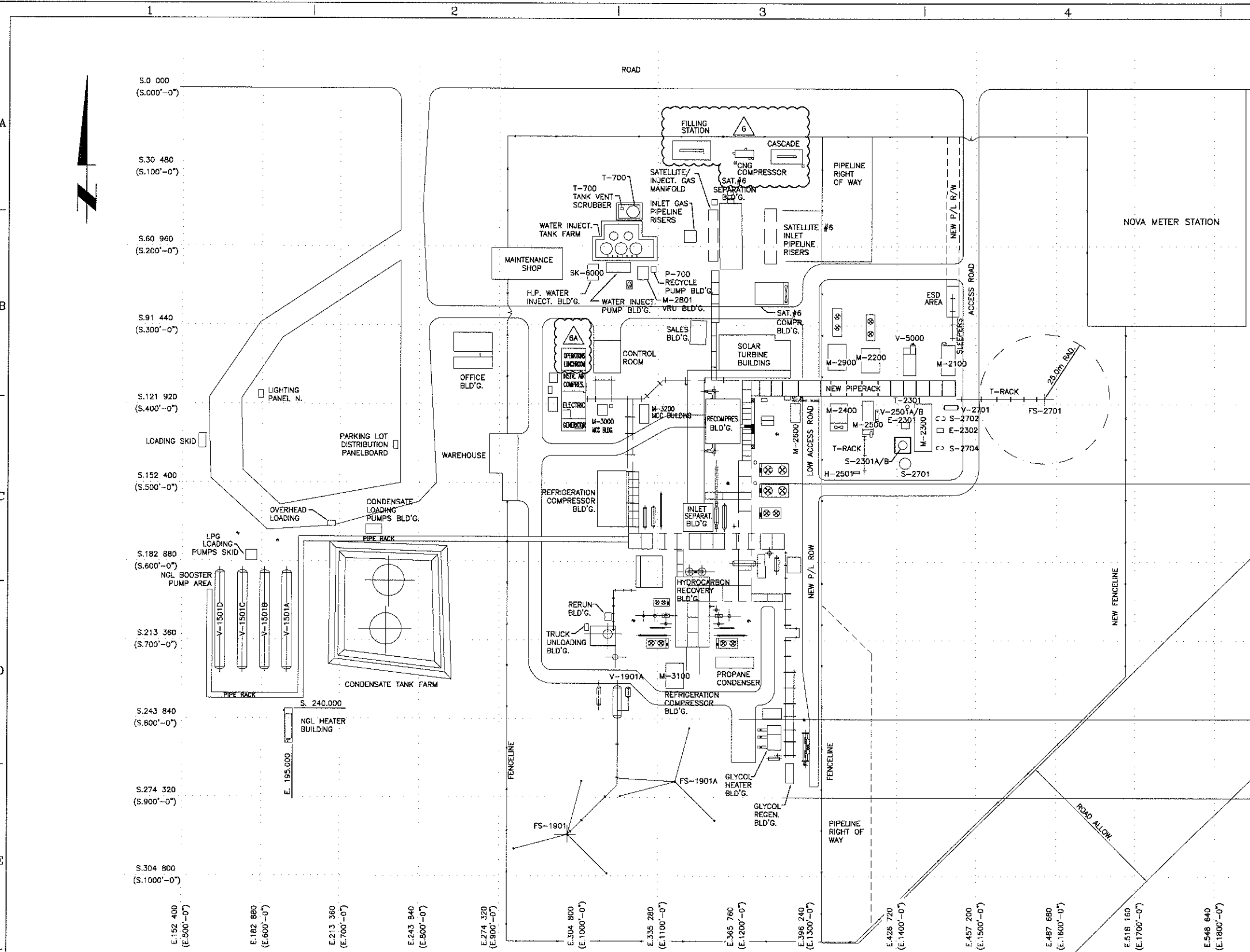




DWG. NO.	REFERENCE DRAWINGS	REV	REVISIONS	DATE	BY	CHK'D	APP'D	CLIENT APP'D	ENGINEER AND PERMIT STAMPS	DRAWING ISSUE RECORD	BY	DATE							
		8	GETTING SPILL LINE ADDITION	04/10/30	KDDS	DA	DA		 ENGINEER'S SEAL APPLIES TO ISSUED FOR CONSTRUCTION REV '15 ONLY APRIL 29, 2011 PERMIT TO PRACTICE APEGGA No. P 7119	ISSUE	1	2	3	4	5	6	DESIGNED	TLW	98-03-18
		15	IFC - CNG FILLING STATION INSTALLATION (ABB BM 419529)	11/04/29	SS	DA				REVIEW AND COMMENTS							DRAWN	TLW	98-03-18
		14	AS-BUILT - WASTE HEAT RECOVERY UNIT (ABB BM 408382)	11/03/18	SS	DA				APPROVAL							CHECKED		
		13	IFC - WASTE HEAT RECOVERY UNIT (ABB BM 408382)	11/01/28	SS	DA				TENDER							PROCESS CK.		
		12	AS BUILT - INLET COMP. CNTL. PANEL REPLACEMENT	11/02/02	JNJ	DA	DA			CONSTRUCTION							MECH. CK.		
		11	IFC - INLET COMP. CNTL. PANEL REPLACEMENT	10/09/21	DC	DA	DA			REFERENCE							STRUCT. CK.		
		10	AS BUILT - SATELLITE #6 TANK REPLACEMENT	10/05/26	JNJ	DA	DA										ELECT. CK.		
		9	IFC - SATELLITE #6 TANK REPLACEMENT	09/11/27	DC	DA	DA										CLIENT APP.		
																	CLIENT APP.		
																	CLIENT APP.		
										colt engineering corporation consulting engineers									
										ANDERSON EXPLORATION CALGARY, ALBERTA, CANADA									
										PROJECT DUNVEGAN GAS PLANT									
										ELECTRICAL KEY PLAN									
										LSD 15-03-81-04 W6M									
										JOB NO.	SCALE	DWG. NO.	SHT						
										1011982	1:300(A1)	D-411-602	1						



DWG. NO.	REFERENCE DRAWINGS	REV	REVISIONS	DATE	BY	CHK'D	APP'D	CLIENT APP'D
		6	IFC - CNG FILLING STATION INSTALLATION (ABB BM 419529)	11/04/29	SS	DA		
		5	AS BUILT - INLET COMP. CNTL. PANEL REPLACEMENT	11/01/12	JNJ	DA	DA	
		4	IFC - INLET COMP. CNTL. PANEL REPLACEMENT	10/09/21	DC	DA	DA	
		3	AS BUILT - SATELLITE #6 TANK REPLACEMENT	10/05/26	JNJ	DA	DA	
		2	IFC - SATELLITE #8 TANK REPLACEMENT	09/11/27	JNJ	DA	DA	
		1	AS BUILT - NGL HEATER BLDG. ADDITION	09/02/06	JNJ	DA	DA	
		0	NGL HEATER BLDG. ADDITION	08/08/05	JNJ	DA	DA	

PROFESSIONAL ENGINEER
ANDERSON EXPLORATION
CALGARY, ALBERTA, CANADA

ENGINEER'S SEAL APPLIES TO
ISSUED FOR CONSTRUCTION
REV 77 ONLY
APRIL 29, 2011

PERMIT TO PRACTICE
APEGGA No. P 7119

ISSUE	1	2	3	4	5	6	DESIGNED	DA	08/08/01
REVIEW AND COMMENTS							DRAWN	JNJ	08/08/01
APPROVAL							CHECKED		
TENDER							PROCESS CK		
CONSTRUCTION							MECH. CK.		
REFERENCE							STRUCT. CK.		
							ELECT. CK.		
							CDLT APP.		
							CLIENT APP.		
							CLIENT APP.		

REV.	DATE	BY	CHK'D	APP'D	REVISION ISSUE
6A	11/03/23	SS	DA	-	IFC - CONTROL SYSTEM UPGRADE (ABB BM 378480)
7A	11/04/06	SS	DA	-	IFC - CNG FILLING STATION INSTALLATION (ABB BM 419529)

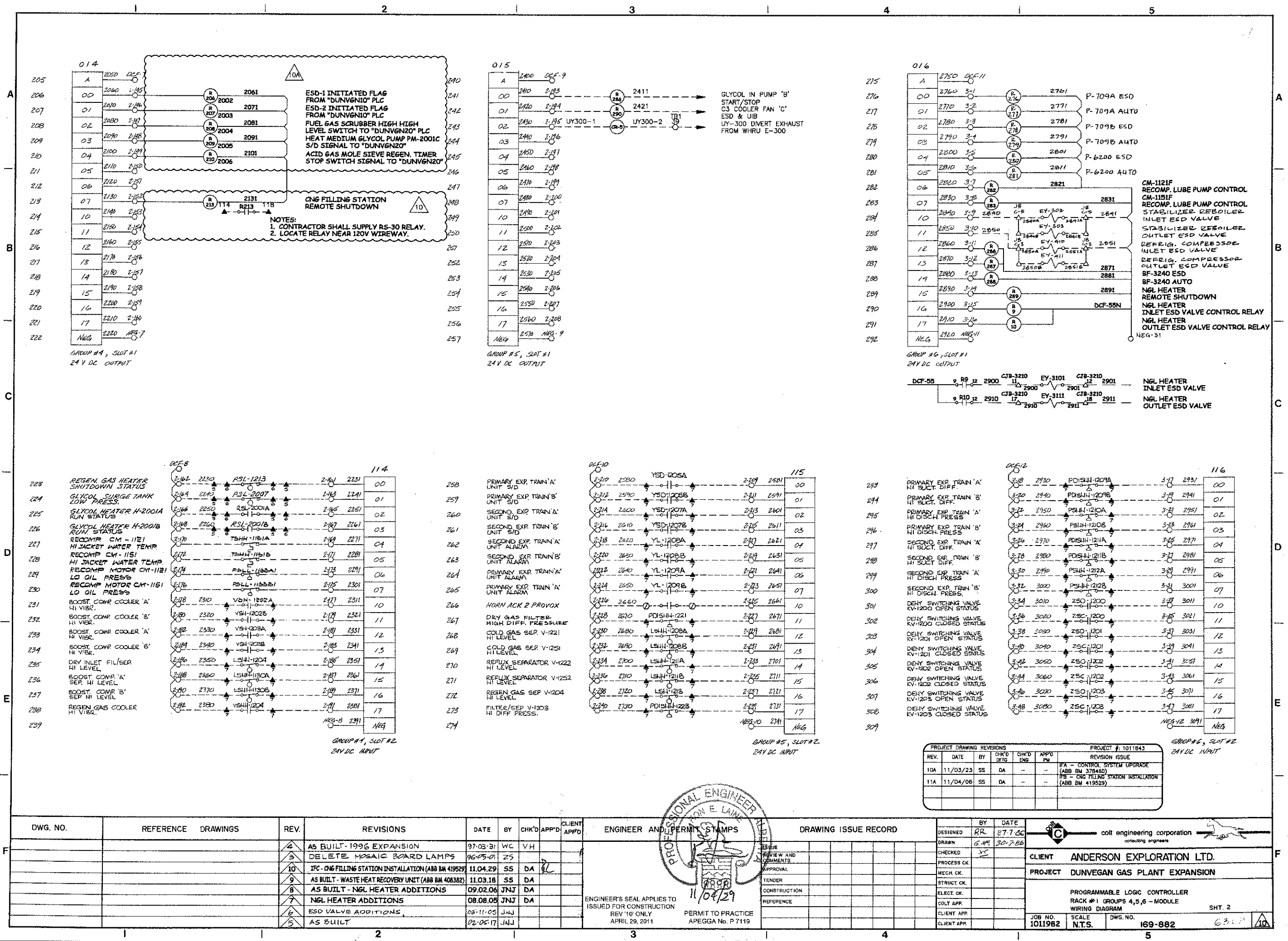
colt engineering corporation
consulting engineers

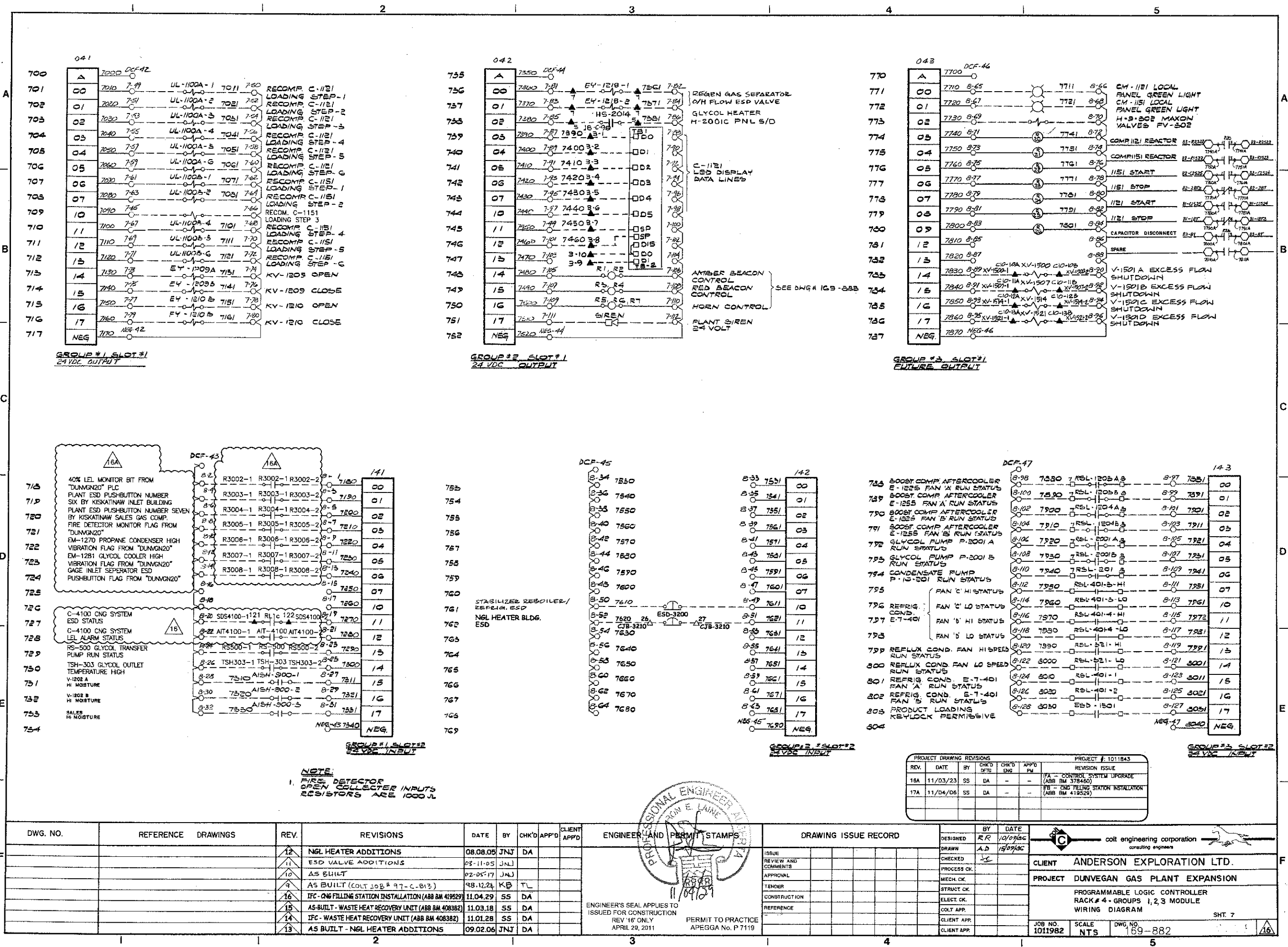
ANDERSON EXPLORATION
CALGARY, ALBERTA, CANADA

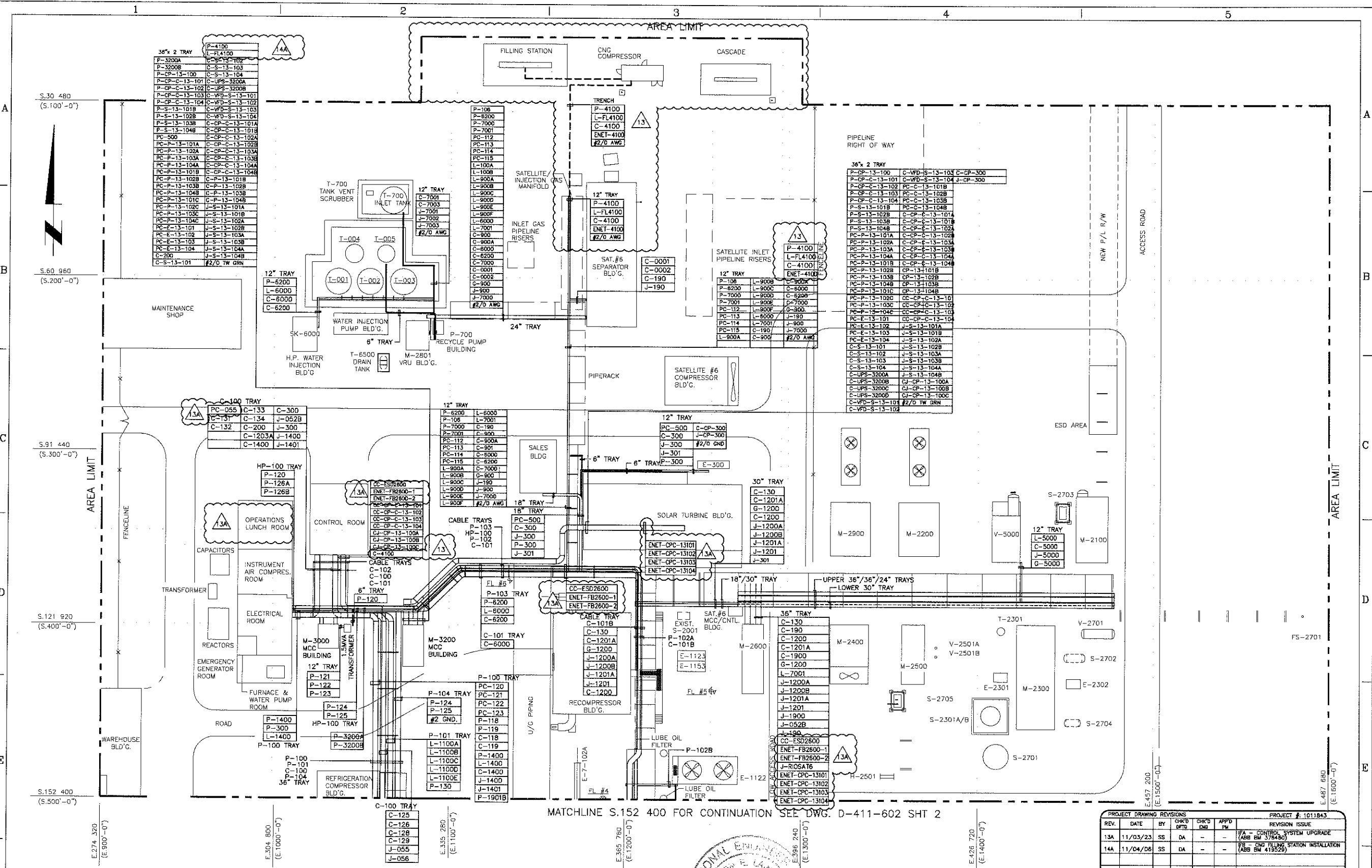
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ELECTRICAL PLOT PLAN
LSD 15-03-81-04 W6M

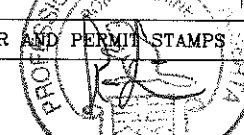
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SHT 1

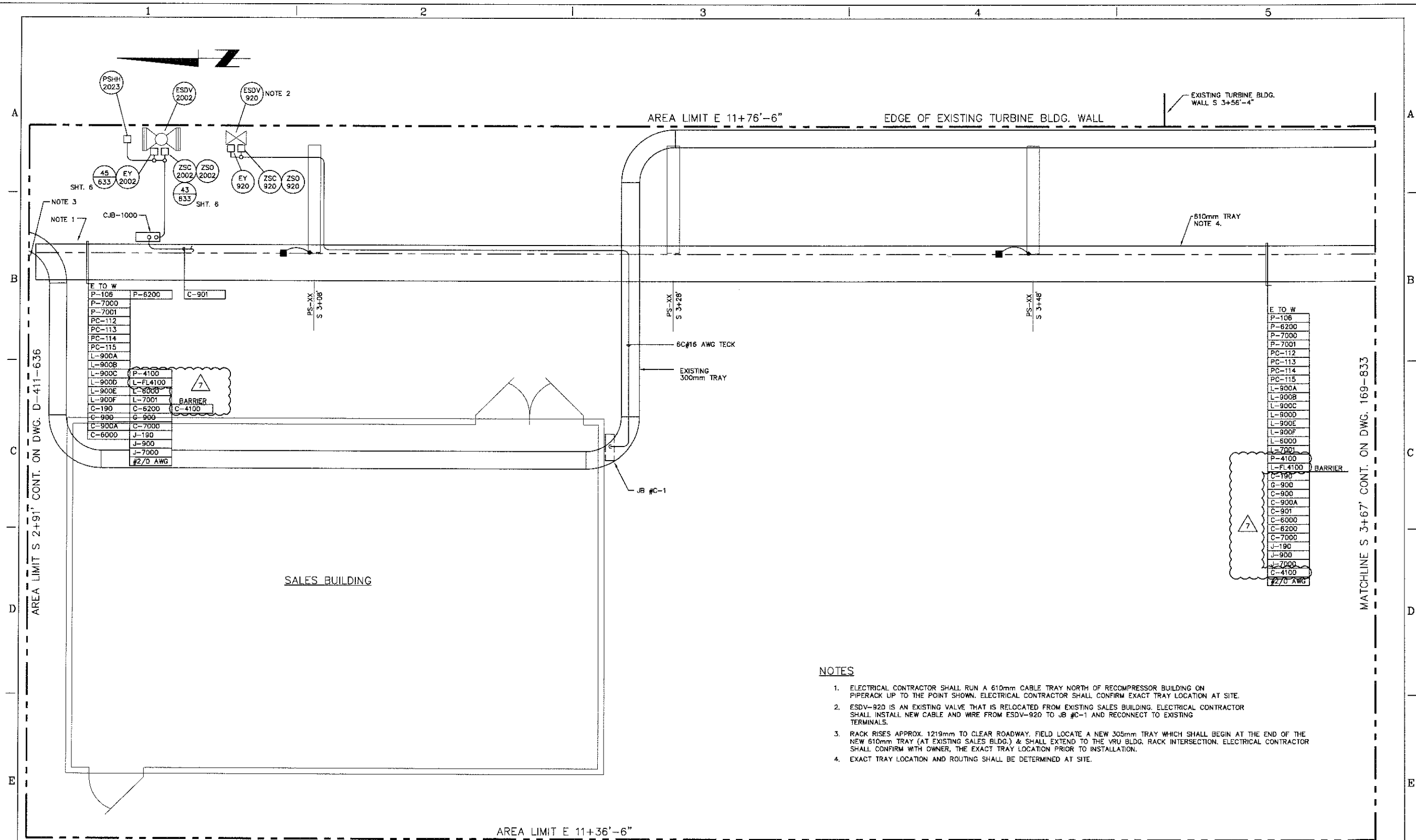
1													2													3													4													5												
CONDUIT OR CABLE NO.	APPLICATION	LOAD		RUN			CONDUIT		WIRE					CONDUIT OR CABLE NO.	APPLICATION	LOAD		RUN			CONDUIT		WIRE					CONDUIT OR CABLE NO.	APPLICATION	LOAD		RUN			CONDUIT		WIRE																											
		HP KW KVA	VOLTS	FROM	VIA	TO	SIZE TYPE	(EST.) LENGTH METERS	SIZE AWG	NO. OF	INSUL.	VOLTS	SPARE			HP KW KVA	VOLTS	FROM	VIA	TO	SIZE TYPE	(EST.) LENGTH METERS	SIZE AWG	NO. OF	INSUL.	VOLTS	SPARE			HP KW KVA	VOLTS	FROM	VIA	TO	SIZE TYPE	(EST.) LENGTH METERS	SIZE AWG	NO. OF	INSUL.	VOLTS	SPARE																							
LIG-3200	120V POWER		120 VAC	LJB-JB LIG. PANEL ELECTRICAL BLDG.	TRAY	LJB-3200 NGL HEATER BLDG.	TECK		10	20	RW90	600	10	P-131	480V POWER		480 VAC	NORMAL MCC	TRAY U/G	200A MAIN DISCONNECT PARKING LOT DIST. PANELBD.			2/0	3	1000	480	0																																					
LIG-3201	120V POWER		120 VAC	LJB-JB LIG. PANEL ELECTRICAL BLDG.	TRAY	LJB-3200 NGL HEATER BLDG.	TECK		6	4	RW90	600	0	P-132	480V POWER		480 VAC	200A MAIN DISCONNECT PARKING LOT DIST. PANELBD.	SURFACE	75KVA TRANSFORMER PARKING LOT DIST. PANELBD.			2/0	3	1000	480	0																																					
LIG-3202	120V POWER		120 VAC	LJB-3200 NGL HEATER BLDG.	SURFACE	120VAC DEVICES NGL HEATER BLDG.	TECK		10	10	RW90	600	2	P-133	120/208V POWER		120/208	75KVA TRANSFORMER PARKING LOT DIST. PANELBD.	SURFACE	225A SPLITTER PARKING LOT DIST. PANELBD.		250MCM	4	1000	120/208	0																																						
LIG-3203	120V POWER		120 VAC	LJB-3200 NGL HEATER BLDG.	SURFACE	BH-3230 DISC. NGL HEATER BLDG.	TECK		10	2	RW90	600	0	P-134	120/208V POWER		120/208	100A FUSIBLE DISCONNECT PARKING LOT DIST. PANELBD.	U/G	DISTRIBUTION PANEL "N" PARKING LOT DIST. PANELBD.			2	4	1000	120/208	0																																					
LIG-3203A	120V POWER		120 VAC	LJB-3200 NGL HEATER BLDG.	SURFACE	BH-3230 DISC. NGL HEATER BLDG.	TECK		10	2	RW90	600	0	P-135	120/208V POWER		120/208	225A SPLITTER PARKING LOT DIST. PANELBD.	SURFACE	200A FUSIBLE DISCONNECT PARKING LOT DIST. PANELBD.			2/0	4	1000	120/208	0	2" CONDUIT																																				
LIG-3204	120V POWER		120 VAC	LJB-3200 NGL HEATER BLDG.	TRAY	PHOTOCELL NGL HEATER BLDG.	TECK		10	2	RW90	600	0	P-136	120/208V POWER		120/208	200A FUSIBLE DISCONNECT PARKING LOT DIST. PANELBD.	SURFACE	DISTRIBUTION PANEL "M" PARKING LOT DIST. PANELBD.			2/0	4	1000	120/208	0	2" CONDUIT																																				
														P-137	120/208V POWER		120/208	225A SPLITTER PARKING LOT DIST. PANELBD.	SURFACE	100A FUSIBLE DISCONNECT PARKING LOT DIST. PANELBD.			2	4	1000	120/208	0	1.5" CONDUIT																																				
														P-138	120V POWER		120 VAC	DISTRIBUTION PANEL "M" PARKING LOT DIST. PANELBD.	SURFACE	CAR RAIL (EAST)			-	-	1000	120	0	2" CONDUIT FLEX																																				
CC-035A	120V CONTROL		120 VAC	LJB-JB LIG. PANEL ELECTRICAL BLDG.	TRAY	LJB-3200 NGL HEATER BLDG.	TECK		10	14	RW90	600	6																																																			
CC-3210	24V CONTROL		24 VDC	CONTROL ROOM	TRAY	CJB-3210 NGL HEATER BLDG.	TECK		10	25	RW90	600	5																																																			
CC-3210A	24V CONTROL		24 VDC	CJB-3210 NGL HEATER BLDG.	SURFACE	EJD-3200 NGL HEATER BLDG.	TECK		14	2	RW90	600	0																																																			
CC-3211	24V CONTROL		24 VDC	CONTROL ROOM	TRAY	CJB-3210 NGL HEATER BLDG.	TECK		10	25	RW90	600	21	C-4100	24V CONTROL	-	120 VAC	CP-2 CONTROL ROOM PLC	TRAY U/G	CNG CONTROL PANEL	TECK		14	20	RW90	600	8																																					
CC-3221	24V CONTROL		24 VDC	BMSJB-3220 NGL HEATER BLDG.	TRAY	BMS-3220 NGL HEATER BLDG.	TECK		14	20	RW90	600	6	ENET-4100	COMMUNICATION - ETHERNET	-	ENET	FB-4100 PIPERACK FIBER BOX	TRAY U/G	CNG CONTROL PANEL	TECK		24	4PR	-	-	-	CAISE CABLE SUPP'D/INSTALLED BY ELECT CONTRACTOR																																				
CC-3221A	24V CONTROL		24 VDC	BMS-3220 NGL HEATER BLDG.	TRAY	HEATER FIRE TUBE NGL HEATER BLDG.	TECK		14	8	RW90	600	0																																																			
CC-3221B	24V CONTROL		24 VDC	BMS-3220 NGL HEATER BLDG.	TRAY	TSH-3200 NGL HEATER BLDG.	TECK		18	2	RW90	600	0																																																			
CC-3221C	24V CONTROL		24 VDC	BMS-3220 NGL HEATER BLDG.	TRAY	EY-3201 NGL HEATER BLDG.	TECK		14	2	RW90	600	0	C-EC3AA	120VAC POWER	-	120 VAC	CNG CONTROL PANEL	U/G	DISPENSER 1 CNG FUELING STATION	TECK		14	4	RW90	600	2																																					
CC-3101	24V CONTROL		24 VDC	CJB-3210 NGL HEATER BLDG.	TRAY	EYZSC/ZSO-3101 NGL BOOSTER PUMP AREA	TECK		14	6	RW90	600	0	C-EC3A	120VAC CONTROL	-	120 VAC	CNG CONTROL PANEL	U/G	DISPENSER 1 CNG FUELING STATION	TECK		14	6	RW90	600	4																																					
CC-3111	24V CONTROL		24 VDC	CJB-3210 NGL HEATER BLDG.	TRAY	EYZSC/ZSO-3111 NGL BOOSTER PUMP AREA	TECK		14	6	RW90	600	0	C-EC3B	120V CONTROL	-	120 VAC	DISPENSER 1 CNG FUELING STATION	U/G	FUEL MGMT CONTROLLER CNG FUELING STATION	TECK		14	6	RW90	600	2																																					
CC-3212	24V CONTROL		24 VDC	CJB-3210 NGL HEATER BLDG.	TRAY	US-P711 NGL BOOSTER PUMP AREA	TECK		14	8	RW90	600	4	J-EC3B	ANALOG SIGNALS	-	4-20 mA	DISPENSER 1 CNG FUELING STATION	U/G	FUEL MGMT CONTROLLER CNG FUELING STATION	TECK		18	4PR	RW90	300	2PR																																					
CC-3220	24V CONTROL		24 VDC	CJB-3210 NGL HEATER BLDG.	TRAY	BMSJB-3220 NGL HEATER BLDG.	TECK		10	10	RW90	600	4	C-EC4	120VAC POWER	-	120 VAC	CNG CONTROL PANEL	U/G	FUEL MGMT CONTROLLER CNG FUELING STATION	TECK		14	6	RW90	600	4																																					
														ENET-EC5	COMMUNICATION - ETHERNET	-	ENET	CNG CONTROL PANEL	U/G	FUEL MGMT CONTROLLER CNG FUELING STATION	TECK		24	4PR	-	-	-	CAISE CABLE SUPP'D/INSTALLED BY ELECT CONTRACTOR																																				
FD/GD-3220	FIRE DETECTION		24 VDC	CONTROL ROOM	TRAY	CJB-3210 NGL HEATER BLDG.	TECK		16	4TR.	RW90	300	2																																																			
CJ-3220	ANALOG SIGNALS		4-20 mA	CONTROL ROOM	TRAY	CEGJB-3220 NGL HEATER BLDG.	TECK		16	BPR.	RW90	300	8																																																			
CJ-3111A	ANALOG SIGNALS		4-20 mA	CEGJB-3220 NGL HEATER BLDG.	TRAY	III-3111 NGL BOOSTER PUMP AREA	TECK		18	1PR.	RW90	300	0																																																			
CJ-3111B	ANALOG SIGNALS		4-20 mA	CEGJB-3220 NGL HEATER BLDG.	TRAY	IV-3101 NGL BOOSTER PUMP AREA	TECK		18	1PR.	RW90	300	0																																																			
CJ-3111C	ANALOG SIGNALS		4-20 mA	CEGJB-3220 NGL HEATER BLDG.	TRAY	PIT-3111 NGL BOOSTER PUMP AREA	TECK		18	1PR.	RW90	300	0																																																			
CC-CP-C-13-101	24V CONTROL		24 VDC	CONTROL ROOM	TRAY	CP-C-13-101 SOLAR TURBINE BLDG.	TECK		14	10	RW90	600	4																																																			
CC-CP-C-13-102	24V CONTROL		24 VDC	CONTROL ROOM	TRAY	CP-C-13-102 SOLAR TURBINE BLDG.	TECK		14	10	RW90	600	4																																																			
CC-CP-C-13-103	24V CONTROL		24 VDC	CONTROL ROOM	TRAY	CP-C-13-103 SOLAR TURBINE BLDG.	TECK		14	10	RW90	600	4																																																			
CC-CP-C-13-104	24V CONTROL		24 VDC	CONTROL ROOM	TRAY	CP-C-13-104 SOLAR TURBINE BLDG.	TECK		14	10	RW90	600	4																																																			
CJ-CP-13-100A	ANALOG SIGNALS		24 VDC	CONTROL ROOM	TRAY	CP-C-100 SOLAR TURBINE BLDG.	TECK		18	2PR	RW90	300	1PR																																																			





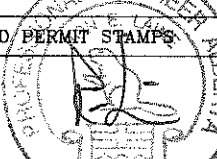


DWG. NO.	REFERENCE DRAWINGS	REV	REVISIONS	DATE	BY	CHK'D	APP'D	CLIENT APP'D	ENGINEER AND PERMIT STAMPS	DRAWING ISSUE RECORD	BY	DATE	colt engineering corporation consulting engineers									
		7	IFC - SATELLITE #6 TANK REPLACEMENT	09/11/27	DC	DA	DA		 ENGINEER'S SEAL APPLIES TO ISSUED FOR CONSTRUCTION REV 13 ONLY APRIL 28, 2011 PERMIT TO PRACTICE APEGGA No. P 7119	ISSUE	1	2	3	4	5	6	DESIGNED	TH	98/05/30	 colt engineering corporation consulting engineers		
		6	GETTING SPILL LINE ADDITION	04/10/30	KDDS	DA	DA			REVIEW AND COMMENTS									DRAWN		TH	98/05/08
		13	IFC - CNG FILLING STATION INSTALLATION (ABB BM 419529)	11/04/29	SS	DA	DA			APPROVAL									CHECKED			PROJECT DUNVEGAN GAS PLANT
		12	AS-BUILT - WASTE HEAT RECOVERY UNIT (ABB BM 408382)	11/03/18	SS	DA				TENDER									PROCESS OK			
		11	IFC - WASTE HEAT RECOVERY UNIT (ABB BM 408382)	11/02/02	SS	DA				CONSTRUCTION									MECH. OK			LSD 15-03-84-04 W6M
		10	AS BUILT - INLET COMP. CNTL. PANEL REPLACEMENT	11/01/12	JNJ	DA	DA			REFERENCE									STRUCT. OK			
		9	IFC - INLET COMP. CNTL. PANEL REPLACEMENT	10/09/21	DC	DA	DA												ELECT. OK			13
169-833 SHT.2	CABLE TRAY & CONDUIT LAYOUT	8	AS BUILT - SATELLITE #6 TANK REPLACEMENT	10/05/26	JNJ	DA	DA												CLIENT APP.			

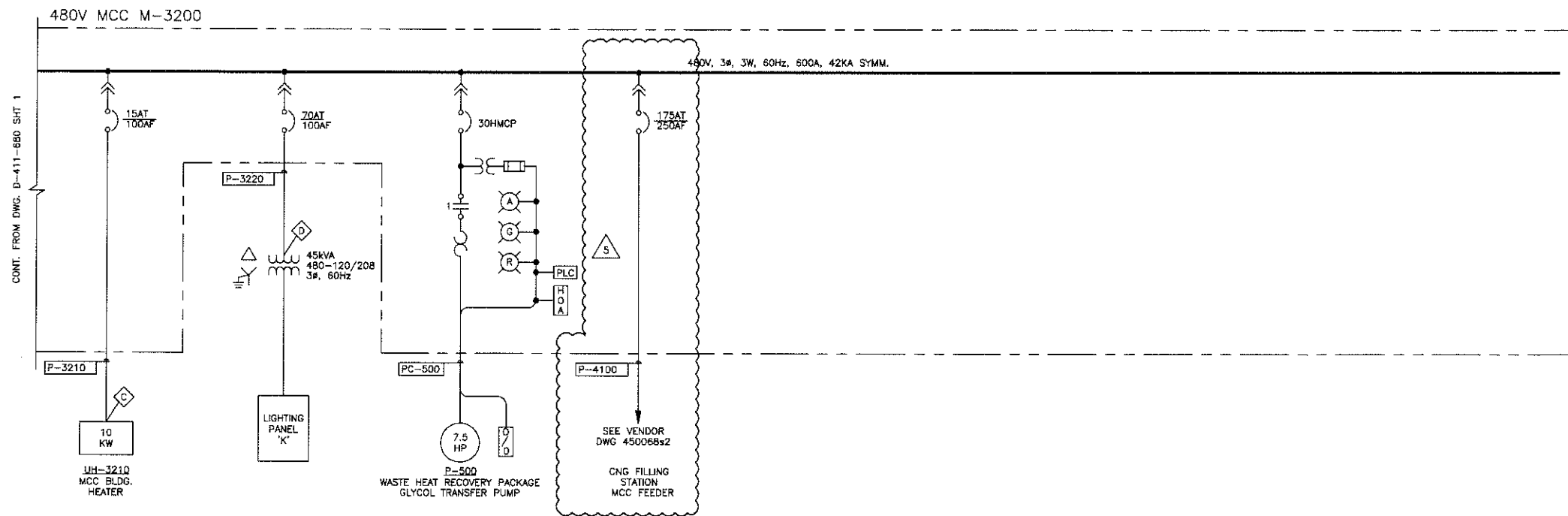


NOTES

1. ELECTRICAL CONTRACTOR SHALL RUN A 610mm CABLE TRAY NORTH OF RECOMPRESSOR BUILDING ON PIPERACK UP TO THE POINT SHOWN. ELECTRICAL CONTRACTOR SHALL CONFIRM EXACT TRAY LOCATION AT SITE.
2. ESDV-920 IS AN EXISTING VALVE THAT IS RELOCATED FROM EXISTING SALES BUILDING. ELECTRICAL CONTRACTOR SHALL INSTALL NEW CABLE AND WIRE FROM ESDV-920 TO JB #C-1 AND RECONNECT TO EXISTING TERMINALS.
3. RACK RISES APPROX. 1219mm TO CLEAR ROADWAY. FIELD LOCATE A NEW 305mm TRAY WHICH SHALL BEGIN AT THE END OF THE NEW 610mm TRAY (AT EXISTING SALES BLDG.) & SHALL EXTEND TO THE VRU BLDG. RACK INTERSECTION. ELECTRICAL CONTRACTOR SHALL CONFIRM WITH OWNER, THE EXACT TRAY LOCATION PRIOR TO INSTALLATION.
4. EXACT TRAY LOCATION AND ROUTING SHALL BE DETERMINED AT SITE.

DWG. NO.	REFERENCE DRAWINGS	REV	REVISIONS	DATE	BY	CHK'D	APP'D	CLIENT APP'D	ENGINEER AND PERMIT STAMPS	DRAWING ISSUE RECORD		BY	DATE	Calt Engineering Corporation consulting engineers		
D-411-630	CABLE CONDUIT SCHEDULE	6	AS BUILT - SATELLITE #6 TANK REPLACEMENT	10/05/26	JUNJ	DA	DA		 ENGINEER'S SEAL APPLIES TO ISSUED FOR CONSTRUCTION REV 7 ONLY APRIL 28, 2011 PERMIT TO PRACTICE APEGGA No. P 7119	DESIGNED	KO	98/04/21	 Calt Engineering Corporation consulting engineers			
D-411-633	STANDARD DETAILS	5	IFC - SATELLITE #6 TANK REPLACEMENT	09/11/27	DC	DA	DA	DRAWN		KO	96/04/21	ANDERSON EXPLORATION CALGARY, ALBERTA, CANADA				
169-865	JB C-1 WIRING DIAGRAM	4	GETTING SPILL LINE ADDITION	04/10/30	KDOS	DA	DA	CHECKED								
		3	H.P. WATER INJECTION BLDG. ADDITION	01/11/15	JUNJ	DA	DA	PROCESS CK.						PROJECT DUNVEGAN SOUR GAS PLANT		
		2	AS BUILT	97/01/10	DMB	VH		MECH. CK.								
		1	REVISED AS NOTED	96/08/12	ZS	VH		STRUCT. CK.							ELECTRICAL/INSTRUMENTATION LAYOUT EXISTING SALES BUILDING	
		0	ISSUED FOR CONSTRUCTION	96/05/24	TLW	VH		ELECT. CK.				JOB NO. 1011982		SCALE 1:30 (A1)		DWG. NO. D-411-627
		7	IFC - CNG FILLING STATION INSTALLATION (ABB BM 419529)	11/04/29	SS	DA		COLT APP.			CLIENT APP.					
												CLIENT APP.				

1													2													3													4													5																																																																																																																																																																																																																																																						
CONDUIT OR CABLE NO.	APPLICATION	LOAD		RUN			CONDUIT		WIRE						CONDUIT OR CABLE NO.	APPLICATION	LOAD		RUN			CONDUIT		WIRE																																																																																																																																																																																																																																																																																		
		HP KW	VOLTS	FROM	VIA	TO	SIZE TYPE	(EST.) LENGTH METERS	SIZE AWG	NO. OF	INSUL	VOLTS	SPARE	HP KW			VOLTS	FROM	VIA	TO	SIZE TYPE	(EST.) LENGTH METERS	SIZE AWG	NO. OF	INSUL	VOLTS	SPARE																																																																																																																																																																																																																																																																															
P-3200A	480V MAIN FEEDER		480	480V MCC M-3200 MCC BUILDING	TRAY	480V MCC M-3200 MCC BUILDING	TECK		350 MCM	3	RW90	1000	-	PC-P-13-101	480V POWER & 120V CONTROL	7.46 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	P-13-101C SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																															
P-3200B	480V MAIN FEEDER		480	480V MCC M-3200 MCC BUILDING	TRAY	480V MCC M-3200 MCC BUILDING	TECK		350 MCM	3	RW90	1000	-	PC-P-13-102	480V POWER & 120V CONTROL	7.46 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	P-13-102C SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																															
P-3210	480V POWER		480	480V MCC M-3200 MCC BUILDING	TRAY	UH-3210 M-3200 MCC BUILDING	TECK		#10	3	RW90	600	-	PC-P-13-103	480V POWER & 120V CONTROL	7.46 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	P-13-103C SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																															
P-3220	480V POWER		480	480V MCC M-3200 MCC BUILDING	TRAY	DISTRIBUTION TRANSFORMER M-3200 MCC BUILDING	TECK		#4	3	RW90	1000	-	PC-P-13-104	480V POWER & 120V CONTROL	7.46 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	P-13-104C SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																															
P-CP-13-100	24V UPS		24	UPS-3200A M-3200 MCC BUILDING	TRAY	CP-13-100 SOLAR TURBINE BUILDING	TECK		#2	2	RW90	600	-	PC-E-13-101	480V POWER & 120V CONTROL	3.73 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	E-13-101 SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																															
P-CP-13-101	24V UPS		24	UPS-3200A M-3200 MCC BUILDING	TRAY	CP-13-101 SOLAR TURBINE BUILDING	TECK		#2	2	RW90	600	-	PC-E-13-102	480V POWER & 120V CONTROL	3.73 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	E-13-102 SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																															
P-CP-13-102	24V UPS		24	UPS-3200A M-3200 MCC BUILDING	TRAY	CP-13-102 SOLAR TURBINE BUILDING	TECK		#2	2	RW90	600	-	PC-E-13-103	480V POWER & 120V CONTROL	3.73 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	E-13-103 SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																															
P-CP-13-103	24V UPS		24	UPS-3200A M-3200 MCC BUILDING	TRAY	CP-13-103 SOLAR TURBINE BUILDING	TECK		#2	2	RW90	600	-	PC-E-13-104	480V POWER & 120V CONTROL	3.73 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	E-13-104 SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																															
P-CP-13-104	24V UPS		24	UPS-3200A M-3200 MCC BUILDING	TRAY	CP-13-104 SOLAR TURBINE BUILDING	TECK		#2	2	RW90	600	-																																																																																																																																																																																																																																																																																													
P-S-13-101A	480V POWER	7.46 KW	480	MCC M-3200 MCC BUILDING	TRAY	S-13-101 LINE REACTOR SOLAR TURBINE BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
P-S-13-101B	480V POWER	7.46 KW	480	S-13-101 REACTOR M-3200 MCC BUILDING	TRAY	S-13-101 VFD M-3200 MCC BUILDING	TECK		#1	3	RW90	1000	-	P-4100	480V MCC FEEDER CNG FILLING STATION		480	480V MCC M-3200 MCC BUILDING	TRAY/UG	480V MCC MCC CNG ELEC. ROOM	TECK		#1/0	3	RW90	1000	-	5																																																																																																																																																																																																																																																																														
P-S-13-101B	480V POWER	7.46 KW	480	S-13-101 VFD M-3200 MCC BUILDING	TRAY	CP-S-13-101 SOLAR TURBINE BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
P-S-13-102A	480V POWER	7.46 KW	480	MCC M-3200 MCC BUILDING	TRAY	S-13-102 LINE REACTOR SOLAR TURBINE BUILDING	TECK		#1	3	RW90	1000	-	L-FL4100	208V POWER	-	208	LIGHTING PANEL LP-K M-3200 MCC BUILDING	TRAY/UG	FLOOD LIGHT CNG FILLING STATION	TECK		6	4	RW90	600	2																																																																																																																																																																																																																																																																															
P-S-13-101-2A	480V POWER	7.46 KW	480	S-13-102 REACTOR M-3200 MCC BUILDING	TRAY	S-13-102 VFD M-3200 MCC BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
P-S-13-102B	480V POWER	7.46 KW	480	S-13-102 VFD M-3200 MCC BUILDING	TRAY	CP-S-13-102 SOLAR TURBINE BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
P-S-13-103A	480V POWER	7.46 KW	480	MCC M-3200 MCC BUILDING	TRAY	S-13-103 LINE REACTOR SOLAR TURBINE BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
P-S-13-101-3A	480V POWER	7.46 KW	480	S-13-103 REACTOR M-3200 MCC BUILDING	TRAY	S-13-103 VFD M-3200 MCC BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
P-S-13-103B	480V POWER	7.46 KW	480	S-13-103 VFD M-3200 MCC BUILDING	TRAY	CP-S-13-103 SOLAR TURBINE BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
P-S-13-104A	480V POWER	7.46 KW	480	MCC M-3200 MCC BUILDING	TRAY	S-13-104 LINE REACTOR SOLAR TURBINE BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
P-S-13-101-4A	480V POWER	7.46 KW	480	S-13-104 REACTOR M-3200 MCC BUILDING	TRAY	S-13-104 VFD M-3200 MCC BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
P-S-13-104B	480V POWER	7.46 KW	480	S-13-104 VFD M-3200 MCC BUILDING	TRAY	CP-S-13-104 SOLAR TURBINE BUILDING	TECK		#1	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
PC-P-13-101A	480V POWER & 120V CONTROL	3.73 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	P-13-101A SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																																													
PC-P-13-102A	480V POWER & 120V CONTROL	3.73 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	P-13-102A SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																																													
PC-P-13-103A	480V POWER & 120V CONTROL	3.73 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	P-13-103A SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																																													
PC-P-13-104A	480V POWER & 120V CONTROL	3.73 KW	480	480V MCC M-3200 MCC BUILDING	TRAY	P-13-104A SOLAR TURBINE BUILDING	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																																													
PC-500	480V POWER & 120V CONTROL	7.5 HP	480	480V MCC M-3200 MCC BUILDING	TRAY	P-500 GLYCOL TRANSFER PUMP WHRU SOLAR TURBINE BLD	TECK		#10	3	RW90	600	-																																																																																																																																																																																																																																																																																													
PC-P-13-101B	24V POWER		24	CP-04 M-3200 MCC BUILDING	TRAY	TB-P-13-101B SOLAR TURBINE BUILDING	TECK		#4/0	3	RW90	1000	1																																																																																																																																																																																																																																																																																													
P-13-101B	24V POWER		24	TB-P-13-101B SOLAR TURBINE BUILDING	TRAY	P-13-101B SOLAR TURBINE BUILDING	TECK		#6	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
PC-C-13-101B	24V CONTROL		24	CP-04 M-3200 MCC BUILDING	TRAY	O/O P-13-101B SOLAR TURBINE BUILDING	TECK		#14	2	RW90	1000	-																																																																																																																																																																																																																																																																																													
PC-P-13-102B	24V POWER		24	CP-04 M-3200 MCC BUILDING	TRAY	TB-P-13-102B SOLAR TURBINE BUILDING	TECK		#4/0	3	RW90	1000	1																																																																																																																																																																																																																																																																																													
P-13-102B	24V POWER		24	TB-P-13-102B SOLAR TURBINE BUILDING	TRAY	P-13-102B SOLAR TURBINE BUILDING	TECK		#6	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
PC-C-13-102B	24V CONTROL		24	CP-04 M-3200 MCC BUILDING	TRAY	O/O P-13-102B SOLAR TURBINE BUILDING	TECK		#14	2	RW90	1000	-																																																																																																																																																																																																																																																																																													
PC-P-13-103B	24V POWER		24	CP-04 M-3200 MCC BUILDING	TRAY	TB-P-13-103B SOLAR TURBINE BUILDING	TECK		#4/0	3	RW90	1000	1																																																																																																																																																																																																																																																																																													
P-13-103B	24V POWER		24	TB-P-13-103B SOLAR TURBINE BUILDING	TRAY	P-13-103B SOLAR TURBINE BUILDING	TECK		#6	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
PC-C-13-103B	24V CONTROL		24	CP-04 M-3200 MCC BUILDING	TRAY	O/O P-13-103B SOLAR TURBINE BUILDING	TECK		#14	2	RW90	1000	-																																																																																																																																																																																																																																																																																													
PC-P-13-104B	24V POWER		24	CP-04 M-3200 MCC BUILDING	TRAY	TB-P-13-104B SOLAR TURBINE BUILDING	TECK		#4/0	3	RW90	1000	1																																																																																																																																																																																																																																																																																													
P-13-104B	24V POWER		24	TB-P-13-104B SOLAR TURBINE BUILDING	TRAY	P-13-104B SOLAR TURBINE BUILDING	TECK		#6	3	RW90	1000	-																																																																																																																																																																																																																																																																																													
PC-C-13-104B	24V CONTROL		24	CP-04 M-3200 MCC BUILDING	TRAY	O/O P-13-104B SOLAR TURBINE BUILDING	TECK		#14	2	RW90	1000	-																																																																																																																																																																																																																																																																																													
DWG. NO.													REFERENCE DRAWINGS													REV													REVISIONS													DATE													BY													CHK'D													APP'D													CLIENT APP'D													ENGINEER AND PERMIT STAMPS													DRAWING ISSUE RECORD													BY													DATE													C													colt engineering corporation consulting engineers													ANDERSON EXPLORATION CALGARY, ALBERTA, CANADA													PROJECT DUNVEGAN GAS PLANT													CABLE/CONDUIT SCHEDULE M-3200 MCC BUILDING LSD 15-03-81-04 W6M													JOB NO. 1011982													SCALE NTS (A1)													DWG. NO. D-411-630													SHT 6													5												



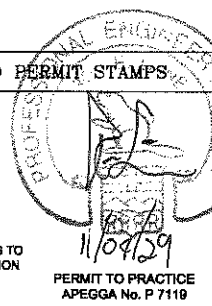
ARC FLASH RATINGS

A	IE = 0.89 CAL/CM ² AFB = 15 IN WD = 18 IN FR = CAT 0
B	IE = 0.61 CAL/CM ² AFB = 12 IN WD = 18 IN FR = CAT 0
C	IE = 0.39 CAL/CM ² AFB = 9 IN WD = 18 IN FR = CAT 0
D	IE = 0.56 CAL/CM ² AFB = 11 IN WD = 18 IN FR = CAT 0

LEGEND:

IE = INCIDENT ENERGY
AFB = ARC FLASH BOUNDARY
WD = WORKING DISTANCE
FR = FR CLOTHING CLASS

DWG. NO.	REFERENCE DRAWINGS	REV	REVISIONS	DATE	BY	CHK'D	APP'D	CLIENT APP'D	ENGINEER AND PERMIT STAMPS	DRAWING ISSUE RECORD	BY	DATE	JOB NO.	SCALE	DWG. NO.	SHT
D-411-680-S1.DWG	480VAC MCC M-3200 SINGLE LINE DIAGRAM	0											1011982	NTS	D-411-680	2
		1	IFC - INLET COMP. CNTL. PANEL REPLACEMENT	10/10/05	DC	DA	DA									
		2	AS BUILT - INLET COMP. CNTL. PANEL REPLACEMENT	11/01/12	JNJ	DA	DA									
		3	IFC - WASTE HEAT RECOVERY UNIT (ABB BM 408382)	11/01/28	SS	DA	MJS									
		4	AS-BUILT - WASTE HEAT RECOVERY UNIT (ABB BM 408382)	11/03/18	SS	DA										
		5	IFC - CNG FILLING STATION INSTALLATION (ABB BM 419529)	11/04/29	SS	DA										



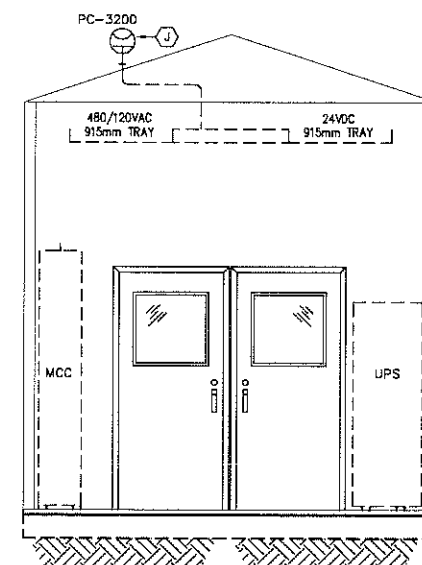
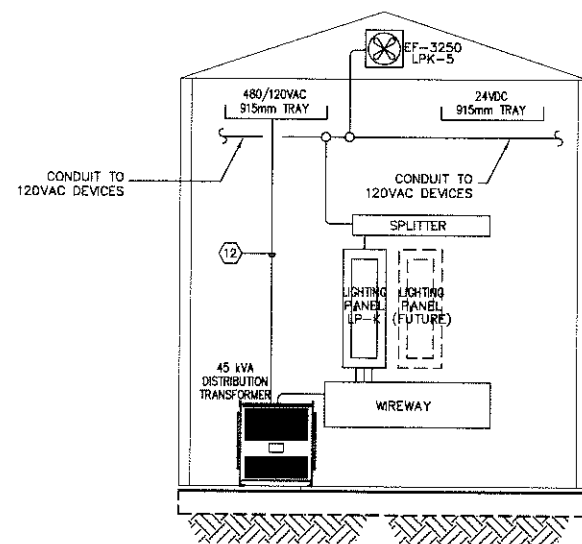
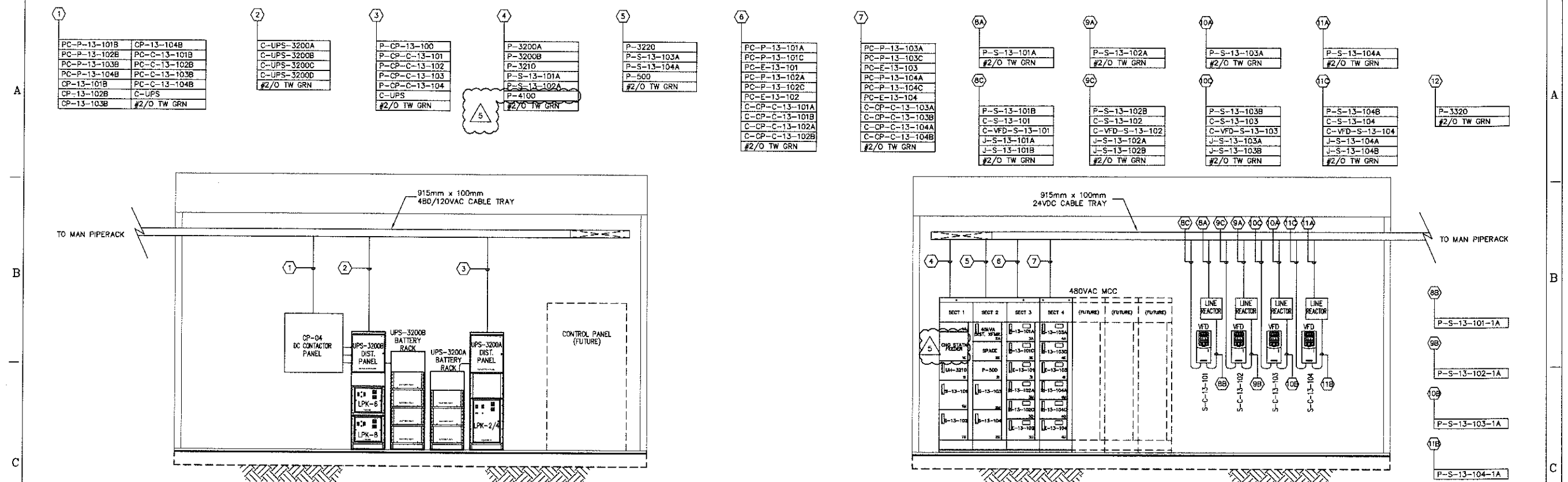
calt engineering corporation
consulting engineers

ANDERSON EXPLORATION
CALGARY, ALBERTA, CANADA

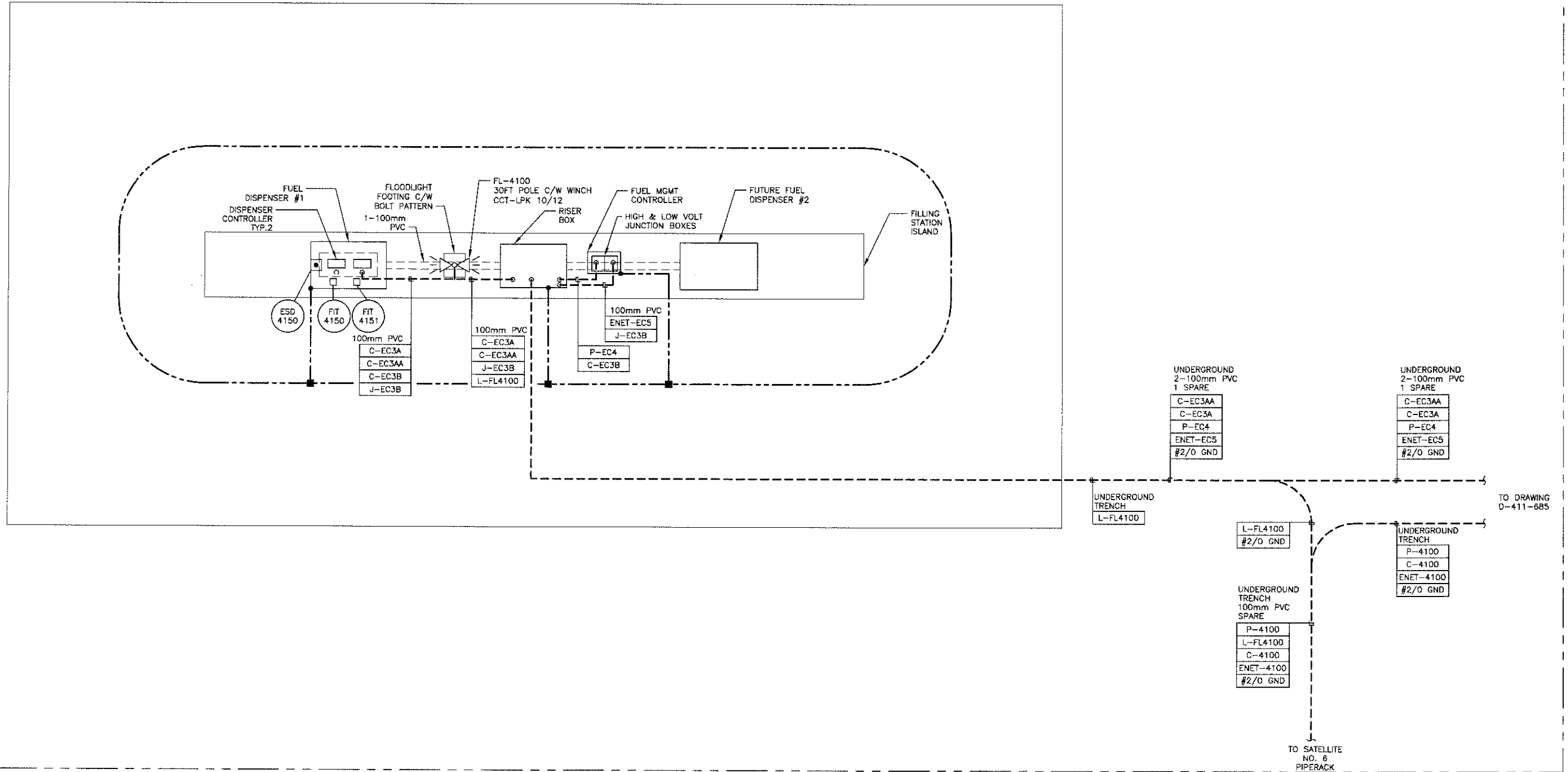
PROJECT DUNVEGAN GAS PLANT

480VAC MCC M-3200
SINGLE LINE DIAGRAM
LSD 15-03-81-04 W6M

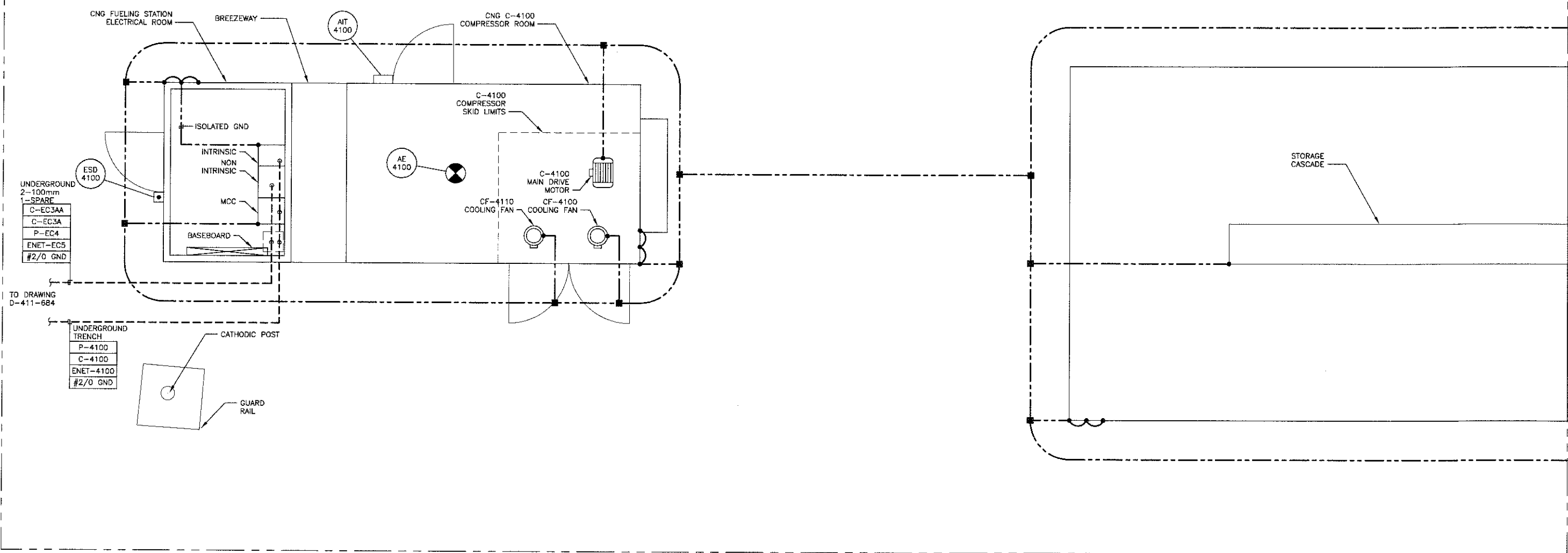
JOB NO. 1011982
SCALE NTS
DWG. NO. D-411-680
SHT 2



DWG. NO.	REFERENCE DRAWINGS	REV	REVISIONS	DATE	BY	CHK'D	APP'D	CLIENT APP'D	ENGINEER AND PERMIT STAMPS	DRAWING ISSUE RECORD		BY	DATE	C colt engineering corporation consulting engineers							
									 ENGINEER'S SEAL APPLIES TO ISSUED FOR CONSTRUCTION REV 15 ONLY APRIL 28, 2011 PERMIT TO PRACTICE APEGGA No. P 7119	ISSUE	1	2	3	4	5	6	DESIGNED	DA	10-09-13	ANDERSON EXPLORATION CALGARY, ALBERTA, CANADA	
										REVIEW AND COMMENTS								DRAWN	DC		10-09-13
		5	IFC - ONS FILLING STATION INSTALLATION (ABB BM 419529)	11/04/29	SS	DA				APPROVAL								CHECKED			
		4	AS-BUILT - WASTE HEAT RECOVERY UNIT (ABB BM 408382)	11/03/18	SS	DA				TENDER								PROCESS CK.			
		3	IFC - WASTE HEAT RECOVERY UNIT (ABB BM 408382)	11/02/02	SS	DA	MJS			CONSTRUCTION								MECH. CK.			
		2	AS BUILT - INLET COMP. CNTL. PANEL REPLACEMENT	11/01/12	JNJ	DA	DA			REFERENCE								STRUCT. CK.			
		1	RIFC - INLET COMP. CNTL. PANEL REPLACEMENT	10/10/05	DC	DA	DA										ELECT. CK.				
		0	IFC - INLET COMP. CNTL. PANEL REPLACEMENT	10/09/21	DC	DA	DA										CDLT APP.				
																	CLIENT APP.				
1	1	2	3	4	5	6	7	8									JOB NO. 1011982	SCALE 1:30(A1)	DWG. NO. D-411-681	SHT 2	5



DWG. NO.	REFERENCE DRAWINGS	DEVON PROJECT	REV	REVISIONS	DATE (yy.mm.dd)	BY	CHK'D	APP'D	OWNR APP'D	ENGINEER AND PERMIT STAMPS	DESIGNED	DGA	10.11.16	 devon DUNVEGAN DUNVEGAN GAS PLANT CNG DISPENSER LAYOUT LSD 15-03-81-04 W6M				
											DRAWN	SS	10.11.16					
											CHECKED							
											PROCESS CK.							
											MECH. CK.							
ABB BER-MAC										 PERMIT TO PRACTICE APEGGA No. P 7119	STRUCT. CK.			CONTR. JOB NO. 419529	SCALE NTS	DWG. NO. D-411-684	DEVON PROJ. 1011982	0
		1011982	0	IFC - CNG FILLING STATION INSTALLATION (ABB BM 419529)	11.04.29	SS	DA			CADD FILE:	OWNER APP.							
		1011982	A	IFB - CNG FILLING STATION INSTALL (ABB BM 419529)	11.04.06	SS	DA				OWNER APP.							



DWG. NO.	REFERENCE DRAWINGS	DEVON PROJECT	REV	REVISIONS	DATE (yy.mm.dd)	BY	CHK'D	APP'D	OWNER APP'D	ENGINEER AND PERMIT STAMPS	DESIGNED	DGA	10.11.16	 DUNVEGAN DUNVEGAN GAS PLANT CNG C-4100 COMPRESSOR & CASCADE LAYOUT LSD 15-03-81-04 W6M				
										 PERMIT TO PRACTICE APEGGA No. P 7119	DRAWN	SS	10.11.16					
											CHECKED							
											PROCESS CK.							
											MECH. CK.							
ABB BER-MAC											STRUCT. CK.							
											ELECT. CK.							
		1011982	0	IFC - CNG FILLING STATION INSTALLATION (ABB BM 419529)	11.04.29	SS	DA	RL			OWNER APP.				OWNER APP.			
		1011982	A	IFB - CNG FILLING STATION INSTALL (ABB BM 419529)	11.04.06	SS	DA			CADD FILE:					OWNER APP.			
												CONTR JOB NO 419529	SCALE NTS	DWG. NO. D-411-685	DEVON PROJ. 1011982	0		