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△	15/02/11	ISSUED FOR REVIEW	SAB	CB	TK
REV.	FECHA	REVISIONES O MODIFICACIONES	DIBUJO	REVISO	APROBO






REF. FABRICANTE		
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DERWICK LABORATORIO ANALITICO	ProEnergy INGENIERIA Y PROYECTOS	CORPOELEC CORPORACION ELECTRO NACIONAL	Electricidad de Caracas AGENCIA NACIONAL DE INGENIERIA Y PROYECTOS	SENECA AGENCIA NACIONAL DE INGENIERIA Y PROYECTOS
CAPACITY EXPANSION OF ELECTRICITY GENERATION AND TRANSPORT IN THE ISLAND OF MARGARITA				
LIQUID FUEL FORWARDING SKID				
DUAL FUEL MOD. UNITS 298034 & 298035 (P & ID)				
PLANO N°: 409-2956-LFF7EA-910	REV: 1	PROYECTO N°: 409-2956-1	ESCALA: NONE	PLANO No: AGM-02-0204-PLA-P-0035
CALCULO: C. Brown	PROYECTO:	FECHA: 02/02/11	DISK N°	
DIBUJO: S. Boerckel	REVISADO: J. Castillo	ESC./PLOTEO:		
APROBADO: T. Koontz	DIBUJO:	ARCHIVO:	PAGINA: 1	DE: 2
ARCHIVO:	APROBADO: M. Monticelli	ARCHIVO:		REV: A

PARTS LIST						
ITEM	TAG No	DEVICE	QTY	DESCRIPTION	CATALOG No	MANUFACTURER
2001	P1-A P1-B	PUMP MOTOR ASSEMBLY	2	MODEL 1K3X1.5-8RV DURCO MARK 3 PUMP (20HP) w/150# ANSI FF FLANGES (Type A BASE)	1K3x1.5-82RV M3 ST	FLOWSERVE
3001	LFFV-1A LFFV-1B LFFB-1C	BUTTERFLY VALVE - INLET BUTTERFLY VALVE - INLET (PUMP P203-A) BUTTERFLY VALVE - INLET (PUMP P203-B)	3	4" x 150# CS FS DYNACENTRIC HP BFV SERIES B5100, CLASS 150		COOPER CAMERON
3002	LFFV-2A LFFV-2B LFFV-2C	BALL VALVE - DISCHARGE (PUMP P203-A) BALL VALVE - DISCHARGE (PUMP P203-B) BALL VALVE - RETURN TO TANK	3	2" x 150# CS FS BALL VALVE - ANSI		
3003	LFFV-3	BACKP PRESSURE VALVE	1	2" x 150# CS FS BACKP PRESSURE VALVE - 63EG	2x63EG	FISHER
3004	LFFV-4A LFFV-4B LFFV-4C LFFV-4D LFFV-4E	CHECK VALVE - DISCHARGE (PUMP P203-A) CHECK VALVE - DISCHARGE (PUMP P203-B) CHECK VALVE - RETURN TO TANK CHECK VALVE - DISCHARGE (DEISEL TANK) CHECK VALVE - DISCHARGE (EMERGENCY GENERATOR)	5	2" DUO CHECK VALVE		
3005	LFFV-5A LFFV-5B LFFV-5C	BALL VALVE - VENT (INLET) BALL VALVE - VENT (DISCHARGE) BALL VALVE - VENT (RETURN TO TANK)	3	3/4" FNPT FS BALL VALVE	SS-A65TF12	SWAGELOK
3006	LFFV-6A LFFV-6B LFFV-6C LFFV-6D LFFV-6E LFFV-6F	BALL VALVE - INLET DRAIN (PUMP P203-A) BALL VALVE - INLET DRAIN (PUMP P203-B) BALL VALVE - DISCHARGE DRAIN (PUMP P203-A) BALL VALVE - DISCHARGE DRAIN (PUMP P203-B) BALL VALVE - DRAIN (STRAINER) BALL VALVE - DRAIN (STRAINER)	4	3/4" FS SS SWAGE BALL VALVE	SS-A65TS12	SWAGELOK
3007	LFFV-7A LFFV-7B LFFV-7C LFFV-7D LFFV-7E	GAGE VALVE - INLET PRESSURE GAGE VALVE - DISCHARGE PRESSURE GAGE VALVE - PRESSURE DIFFERENTIAL UP STREAM GAGE VALVE - PRESSURE DIFFERENTIAL DOWN STREAM GAGE VALVE - PRESSURE DIFFERENTIAL EQUALIZER	5	1/4" FNPT GAGE VALVE w/ STEM TEST		DRAGON
4001	PI-203A	DIFFERENTIAL PRESSURE GAGE	1	4.5" GAGE FLUSH MOUNT BACK CONN. 1/4" MNPT 0-10 PSIG		MID-WEST
4002	PI-203B	SUCTION PRESSURE GAGE	1	4.5" GAGE FLUSH MOUNT LOWER CONN. 1/4" MNPT 0-30 PSIG	7112-G030	DWYER
4003	PI-203C	DISCHARGE PRESSURE GAGE	1	4.5" GAGE FLUSH MOUNT LOWER CONN. 1/4" MNPT 0-200 PSIG	7112-G200	DWYER
5001	LFFF-1	DUPLEX STRAINER	1	DUPLEX STRAINER CAST IRON w/4" x 150# FLANGED CONN. (1/16" PERF. BASKETS)		
7001	PT-203	PRESSURE TRANSMITTER	1	ROSEMOUNT 3051 SERIES PT 0-200 PSIG	3051TG2A2A21AB4C6	ROSEMOUNT
7002	PSL-203	PRESSURE SWITCH LOW	1	PRESSURE & VACUUM SWITCH 40-0-40 IN WC	52NN-K117-M1-B2A-TT	SOR

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