

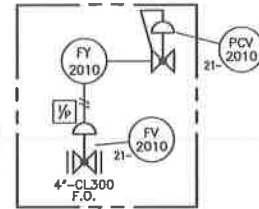
002-FL-21-2015
HEAT MEDIUM PARTICULATE FILTER
12 3/4" (324mm) O.D. x 3'-9" (1143mm) 3/4"
245 PSIG D.P. @ -29/100°C + 1/16" C.A.
1689 kPaG D.P. @ -29/100°C + 1.5mm C.A.
(5) POROUS MEDIA 37390 ELEMENTS, 10 MICRON

002-BMS-21-2001
BURNER MANAGEMENT SYSTEM
SIEMENS LVM52

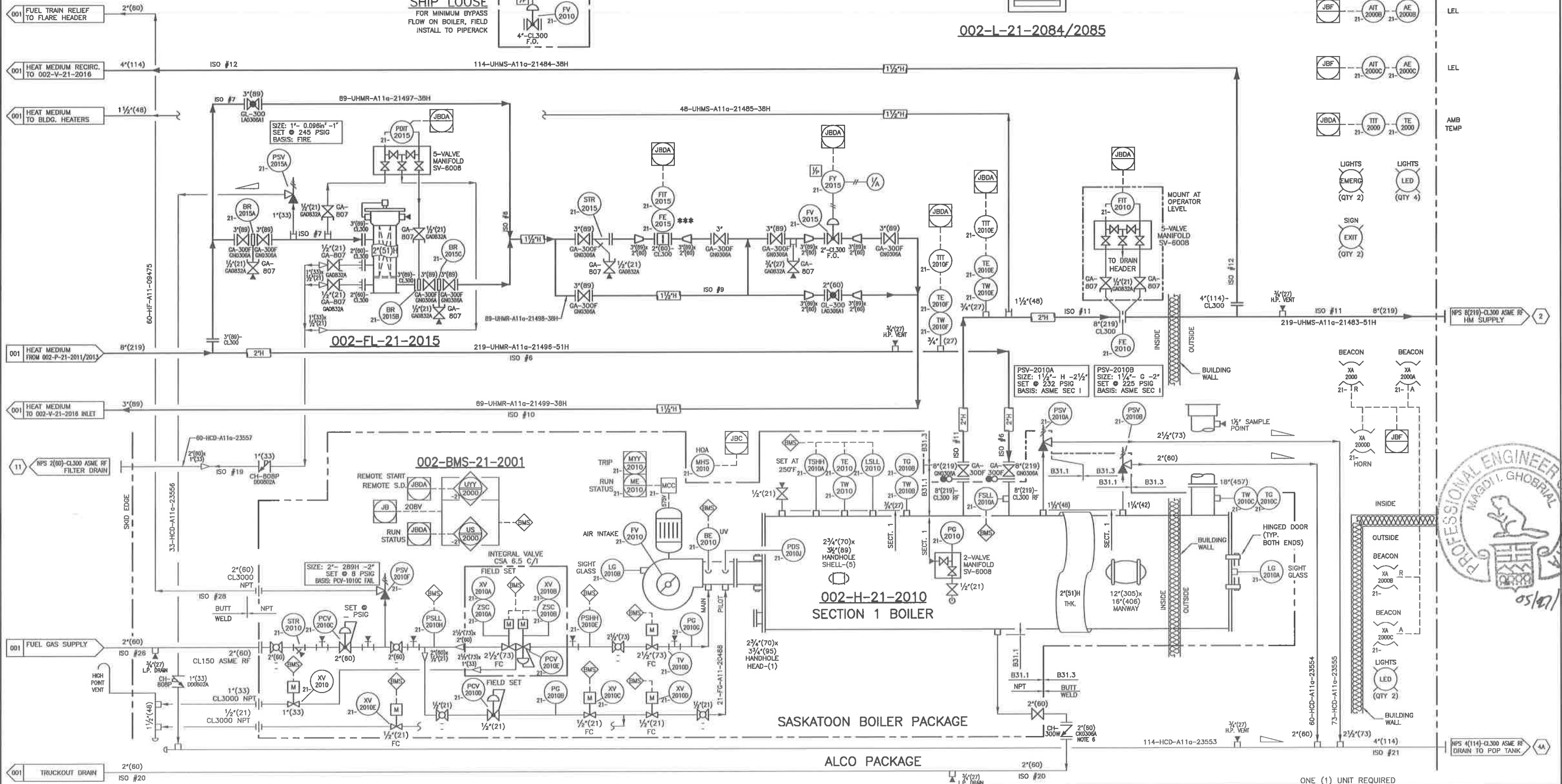
002-H-21-2010
HEAT MEDIUM HEATER
SASKATOON BOILER JWG-350 GLYCOL/WATER LOW NOx BOILER
DIRECT FIRED, FORCED DRAFT TYPE, THREE PASS
11.72 MM BTU/hr (3435 kW-HR) RATING
250 PSIG D.P. @ -29/100°C + 1/16" C.A.
1724 kPaG D.P. @ -29/100°C + 1.5mm C.A.
BLOWER MOTOR: 15 HP, 575V/3PH/60Hz
NPS 18 (457mm) x 11'-7" (3531mm) HIGH STACK
c/w FLAME ARRESTOR
425 USGPM MINIMUM FLOW
(97 cu.mPH MINIMUM FLOW)

002-L-21-2084/2085
MANUAL LOUVRES
MANUALLY ADJUSTABLE
12x12 (305mm X 305mm)
QTY. OF (2)

SHIP LOOSE
FOR MINIMUM BYPASS
FLOW ON BOILER, FIELD
INSTALL TO PIPERACK



002-L-21-2084/2085



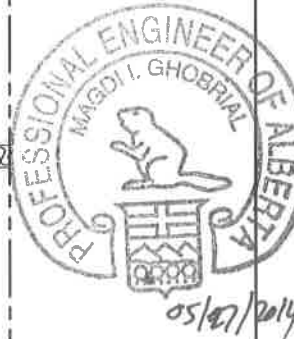
VALVE TAGGING	
GA-818	
VALVE TYPE	SUFFIX
END CONNECTION	TRIM
PRESSURE RATING	
VALVE TYPES: BA = BALL	
GA = GATE	
GL = GLOBE	
CH = CHECK	
NE = NEEDLE	
BB = GAUGE (BLOCK & BLEED)	
BV = BUTTERFLY	
SV = SPECIALTY	
PRESSURE RATINGS: 1 = CL150 ASME	
3 = CL300 ASME	
5 = CL600 ASME	
8 = CL900 API	
9 = CL900 ASME	
15 = CL1500 ASME/CL1500 API	
20 = 2000 WOG	
25 = CL2500 ASME/CL2500 API	
30 = 3000 WOG	
40 = 4000 WOG	
60 = 6000 WOG	
WOG PRESSURE RATINGS ONLY	
APPLY TO THREADED AND SOCKET-	
WELDED BALL VALVES.	
TRIM: 0 = STANDARD	
1 = SOUR	
2 = SOUR LOW TEMPERATURE	
3 = LOW TEMPERATURE	
4 = HIGH TEMPERATURE	
5 = STAINLESS STEEL	
END CONN: 0 = RF	
1 = RTJ	
2 = SW	
7 = NPT x SW	
8 = NPT	
9 = MNPT x FNPT	
SUFFIX: F = FULL PORT W = NOTE	
S = SWING CHECK	
P = PISTON CHECK	

NOTES:
1. * ITEMS SUPPLIED BY SASKATOON BOILER.
2. ** ITEMS SUPPLIED BY CLIENT & INSTALLED BY ALCO.
3. *** DEMOTES METERS REQUIRING A MIN. STRAIGHT
PIPE LENGTH OF 10' UPSTREAM & 5' DOWNSTREAM.
4. NITROGEN BOTTLES, HOSES AND CONNECTORS SUPPLIED
AND INSTALLED BY OTHERS.
5. ALL INSTRUMENTS SHALL BE TAGGED AS FOLLOWS:
002-XX-21-XXXX, SO PG-2016 WOULD BE TAGGED:
002-PG-21-2016.
6. CH-300W INDICATES A WAFER DUAL PLATE CHECK VALVE.

GENERAL LEGEND:
1. --//-- DENOTES PNEUMATIC TIE-IN.
2. --//P-- DENOTES PNEUMATIC COMPRESSOR PANEL TIE-IN.
3. --X-- DENOTES CAPILLARY TIE-IN.
4. --E-- DENOTES ELECTRICAL TIE-IN (BY OTHERS).
5. --E-- DENOTES ELECTRICAL JUNCTION BOX TIE-IN.
6. --E-- DENOTES LOCAL PLC TIE-IN (BY OTHERS).
7. --E-- DENOTES LOCAL ELECTRICAL PANEL TIE-IN.
8. --E-- DENOTES FIELD MOUNTED INSTRUMENT.
9. --E-- DENOTES LOCAL PANEL INSTRUMENT.
10. --E-- DENOTES LOCAL PANEL INSTRUMENT,
(MOUNTED INSIDE PANEL).

REFERENCE DRAWINGS		REVISIONS	
D-2013-8426-51A-001/002	LAYOUT/ASSEMBLY	0	2013-05-08
DWC.	DESCRIPTION	REV. DATE	REV. BY
		ISSUED FOR CONSTRUCTION	

DRAWN BGR		DATE 2013-05-08	
SCALE NTS		CHK'D	
DWG/SHOP ORDER: D-2013-8426-51F-002/003		REV. 0	



ONE (1) UNIT REQUIRED

ALCO GAS & OIL
PRODUCTION EQUIPMENT LTD.
P&ID
UTILITY LEP DIRECT FIRED HEAT MEDIUM PACKAGE
TAG: 002-PK-21-2000
LOCATION: FERRIER CPF PROJECT
CUSTOMER: DEVON CANADA CORP.
L.S.D. 11-02-038-08 WSM