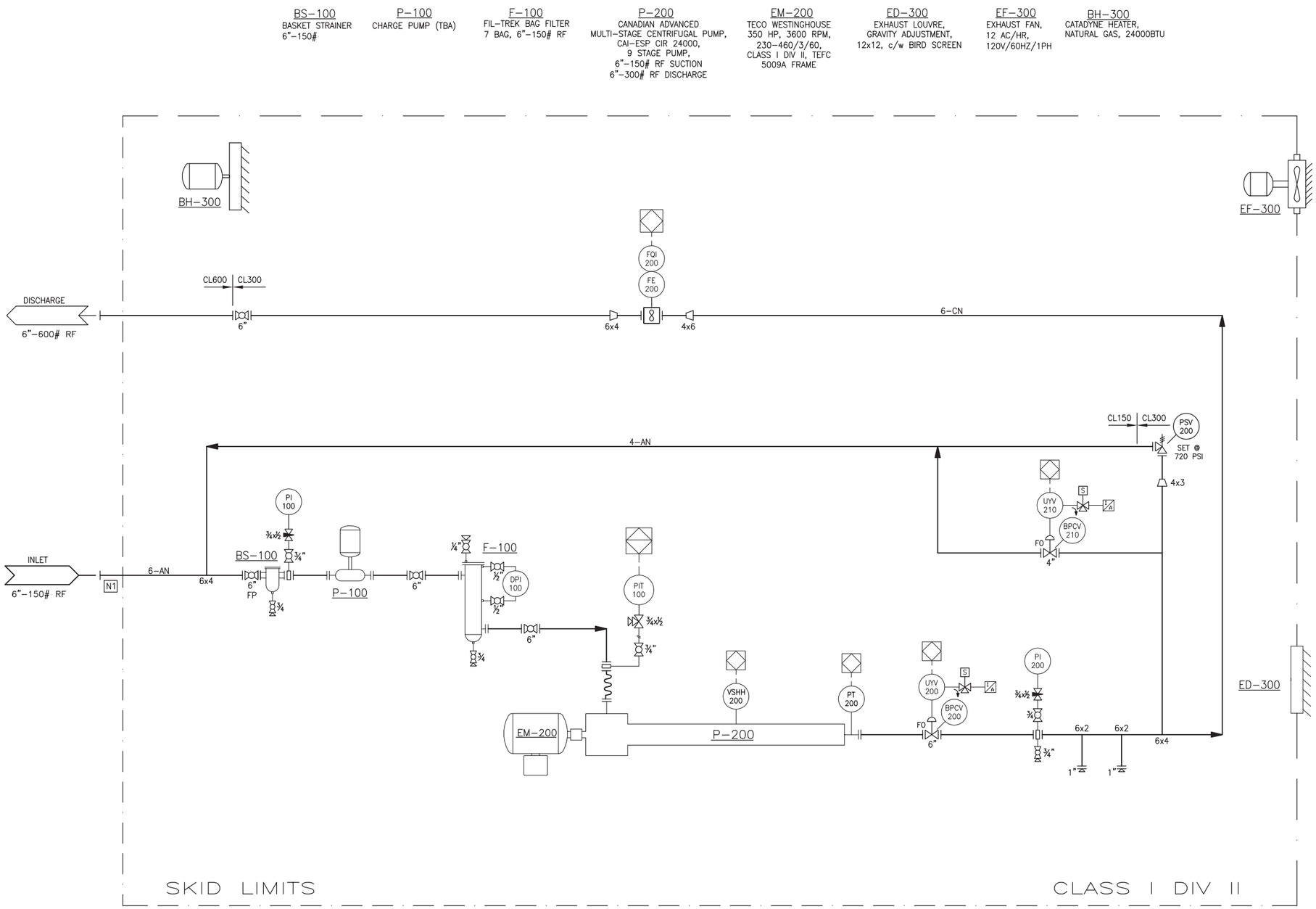

BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION
PI-100	1	P.I. CPW 0-___ PSI, LIQUID FILL, 4.5" FACE, 1/2"MNPT CONNECTION
PI-200	1	P.I. CPW 0-_____ PSI, LIQUID FILL, 4.5" FACE, 1/2"MNPT CONNECTION
DPI-100	1	DIFFERENTIAL PRESSURE INDICATOR
PIT-100	1	PRESSURE INDICATING TRANSMITTER (CUSTOMER SUPPLIED)
VSHH-200	1	VIBRATION SWITCH (CUSTOMER SUPPLIED)
PT-200	1	PRESSURE TRANSMITTER (CUSTOMER SUPPLIED)
BPCV-200	1	BACK PRESSURE CONTROL VALVE
UYV-200	1	CONTROL VALVE POSITIONER
BPCV-210	1	BYPASS CONTROL VALVE
UYV-210	1	CONTROL VALVE POSITIONER
PSV-200	1	MERCER PRESSURE RELIEF VALVE, 91-64J11P, "J" ORIFICE,
		3"-300# RF x 4"-150# RF, SET @ 720 PSIG
FE-200	1	PRIMARY TURBINE FLOW METER, MODEL WM0400X4, 4.0" X 4.0" WAFER STYLE
FQI-200	1	PRIMARY FLOW TOTALIZER MODEL BAT/RT, LOCAL DISPLAY, 4-20mA OUTPUT

LINE NUMBER

4-AN-01

LINE SIZE
SPECIFICATION
LINE NUMBER

NORMAL SPECIFICATION

AN = NORMAL SERVICE, CLASS 150 RF
BN = NORMAL SERVICE, CLASS 300 RF
CN = NORMAL SERVICE, CLASS 600 RF
DN-1 = NORMAL SERVICE, CLASS 900 RF
DN-2 = NORMAL SERVICE, CLASS 900 RJ
EN-1 = NORMAL SERVICE, CLASS 1500 RF
EN-2 = NORMAL SERVICE, CLASS 1500 RJ

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REV.	DATE	DESCRIPTION	BY	CHK.	PIPING SPECIFICATION: RRNS01
A	MAY 20/10	ISSUED FOR REVIEW	ANT	~	CATEGORY: NORMAL
~	~	~	~	~	DESIGN OPERATING TEMP: -20/100°F(-29/38°C)
~	~	~	~	~	DESIGN SUCTION PRES: 285 PSI (1965 kPa)
~	~	~	~	~	DESIGN DISCHARGE PRES: 1480 PSI (10205 kPa)
~	~	~	~	~	PAINT CODE: RRSPS
~	~	~	~	~	STRESS RELIEF: NONE
~	~	~	~	~	RADIOGRAPHY: 10%
~	~	~	~	~	INT. COATING: SCOTCHKOTE 134
~	~	~	~	~	

Canadian ADVANCED ESP

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PROCESS & INSTRUMENTATION DIAGRAM

CANADIAN ADVANCED
HORIZONTAL PUMP PACKAGE
REFERENCE # Q10-020013

QUOTE: 2010-166	JOB NUMBER:		SCALE: NTS (A1 SIZE)	
DRAWING N°: 166-A-PID	SHEET: 1 of 1	LSD:	DATE: MAY 20/10	REVISION A