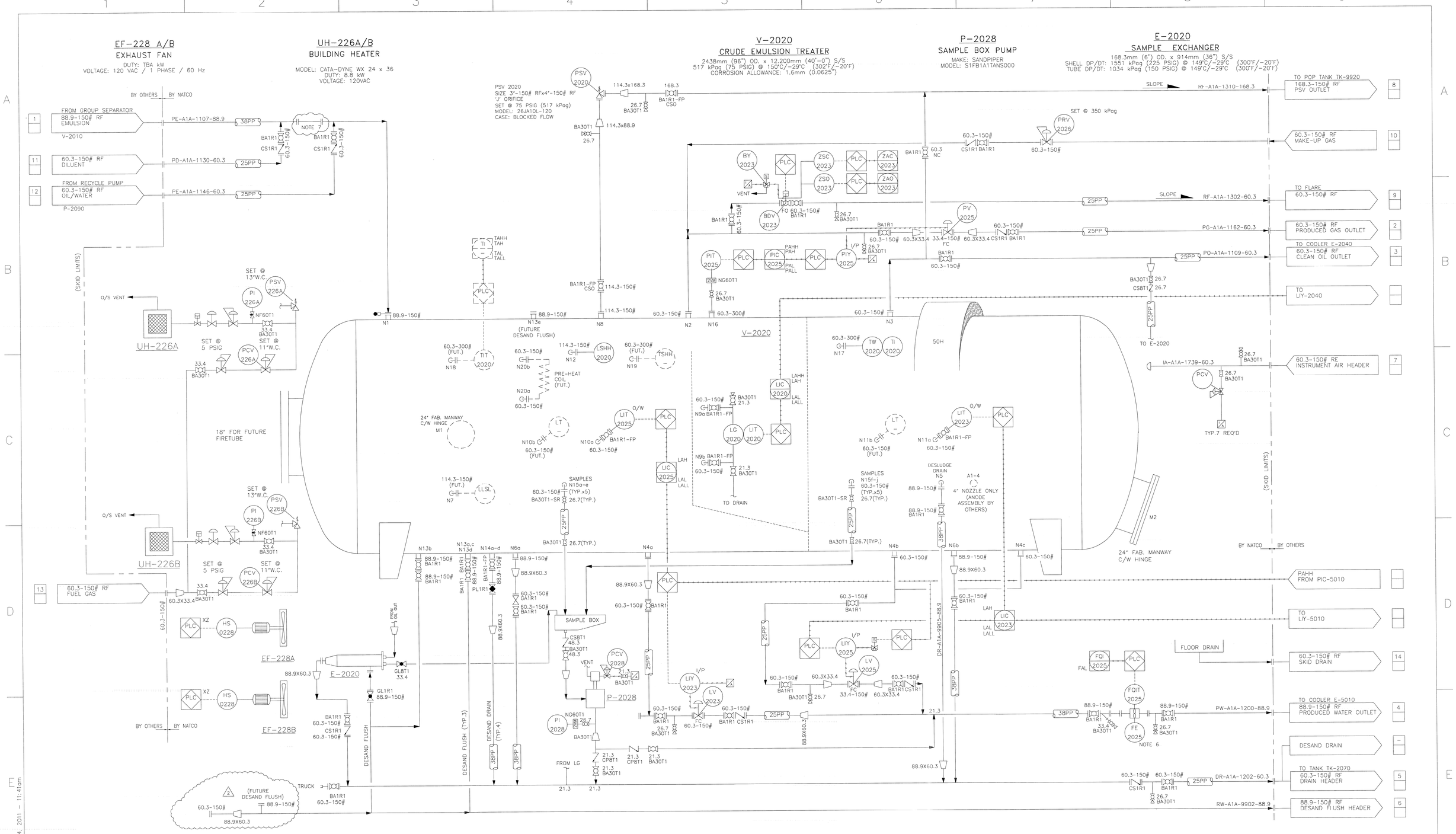

TAG	DESCRIPTION	SIZE/RATING	PIPE SPEC.	TAG	DESCRIPTION	SIZE/RATING	PIPE SPEC.
9	TO FLARE	2"-150# RF					
8	PSV OUTLET	6"-150# RF					
7	INST. AIR INLET	2"-150# RF					
6	DESAND HEADER	3"-150# RF					
5	DRAIN OUTLET	2"-150# RF		14	SKID DRAIN	2"-150# RF	
4	WATER OUTLET	3"-150# RF		13	FUEL GAS	2"-150# RF	
3	OIL OUTLET	2"-150# RF		12	OIL/WATER FROM PUMP	2"-150# RF	
2	GAS OUTLET	2"-150# RF		11	DILUENT	2"-150# RF	
1	EMULSION INLET	3"-150# RF		10	GAS MAKE-UP INLET	2"-150# RF	

CUSTOMER CONNECTIONS | CUSTOMER CONNECTIONS

GENERAL NOTES:

1. PIPING DESIGNED TO ASME CODE B31.3 200B EDITION.
2. INSTRUMENT TUBING TO BE 3/8"ø 316SS, FITTINGS TO BE 316SS SWAGELOK C/W SS FERRULES.
3. PROCESS TUBING TO BE 1/2"ø 316SS 0.049" W.T. MIN, FITTINGS TO BE CAD PLATED SWAGELOK C/W SS FERRULES.
4. ALL INSTRUMENTS TO BE VENTED INDIVIDUALLY O/S.
5. ALL PIPING TO MEET SPEC ENGINEERING PIPING SPECS.
6. TURBINE FLOW METER REQUIRES 3" STRAIGHT PIPE 10 DIA. UPSTREAM AND 3" OF STRAIGHT PIPE 5 DIA DOWNSTREAM – NO VALVES OR OBSTRUCTIONS.
7. PROVISION FOR STATIC MIXER/MIXING VALVE

SWEET SERVICE

REV	DATE	REV BY	CHK'D BY	APP'D BY	DESCRIPTION
2	03/14/11	MD	·	fc	DESAND FLUSH HEADER REV'D TO REFLECT THE SPOOLS
1	03/09/11	MD	DLL	RC	REVISED AS SHOWN
0	03/02/11	DLL	RC	RC	ISSUED FOR CONSTRUCTION

REVISIONS

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NATCO
CALGARY CANADA

TITLE: PROCESS AND INSTRUMENTATION DIAGRAM (P&ID) FOR 2,438mm (8'-0") OD X 12,192 (40'-0") S/S TREATER

CUSTOMER: KOCH EXPLORATION CANADA c/o SPEC ENGINEERING

LOCATION: KOCH GEMINI OIL SANDS PROJECT LSD: SE14-060-03 W4M

DESIGNER: MARTA D. | EXTENSION: 2232 | DATE: 01/14/10
PROJECT MANAGER: RON C. | DRAWN BY: MARTA D. | SCALE: NONE

CUST. REF. NO.: – | CONTRACT NO.: 1 | UNITS REQ.: 1 | DRAWING NUMBER: D-9265-01 SHT. 1 OF 1 | PROD. CODE | REV: 2

Z:\9265\PID\D-9265-01 REV.2\DWG Mar 14, 2011 – 11:41am