



A circular professional engineer seal for the Province of British Columbia. The outer ring contains the text "PROFESSIONAL" at the top and "ENGINEER" at the bottom. Inside the ring, the words "PROVINCE OF" are at the top, "BRITISH COLUMBIA" is at the bottom, and in the center is the name "Y. ZHOU" and the license number "# 39742". The name "Yan" is written to the left of the center and "Zhou" to the right.

**GENERAL NOTES:**

1. QUALITY CONTROL PROGRAM NUMBER: AQP-1317(S)
2. WELDING PROCEDURE REGISTRATION NUMBER: WP1970.2
3. HEAD, SHELL & REPAD MATERIAL: SA-516-70N (IMPACT EXEMPT PER UG-20(f)(1-5))
4. FLANGE MATERIAL: SA-105-N (IMPACT EXEMPT PER UG-20(f)(1-5))
5. PIPE MATERIAL: SA-106-GRB (IMPACT EXEMPT PER UG-20(f)(1-5))
6. BOLTING MATERIALS: SA-193-B7M/SA-194-2HM (IMPACT EXEMPT PER UCS-66(c))
7. PRODUCTION IMPACTS: IMPACT EXEMPT PER UG-20(f)(1-5)
8. PREHEAT TO 250°F [121°C] ALL REPADS AND CAT D WELDS, REQUIRED FOR Ceq > 0.4%
9. SELECT CHEMISTRY/HIC TESTING: NIL
10. ULTRASONIC TESTING: 100% CAT D WELDS AND FILLET WELDS, WHERE ACCESSIBLE,  
IF NOT ACCESSIBLE THEN MPI WILL BE USED
11. MAGNETIC PARTICLE TESTING: 100% OF FILLETS BEFORE PWHT  
MPI TEMPORARY ATTACHMENTS  
MPI OF EXCAVATED AREAS DURING REPAIR ATTEMPT (IF NECESSARY)
12. RADIOGRAPHY: RT-1 PER UW-11(a), MAX 2 REPAIR ATTEMPTS, MIN 250°F FOR REPAIRS
13. VISUAL INSPECTION: ALL BUTT WELDS & FILLET WELDS
14. AIR SOAP LEAK TEST: RE-PADDS WILL AT 15 PSI
15. CORROSION ALLOWANCE: 1/8" [3.2mm] ON CARBON STEEL MATERIALS ONLY  
STAINLESS STEEL TO BE EXEMPT

HEAT TRACE NOTES:

1. CONTRA TRACE MATERIALS TO BE SUPPLIED BY WESTCOAST ENERGY
2. INSTALLATION DRAWINGS PROVIDED BY CSI (CONTROLS SOUTH INC)
3. CONTRA TRACE TO BE INSTALLED BY BILTON
4. HEAT TRACING DETAILS TO FOLLOW ONCE PROVIDED BY CSI  
ESTIMATED MATERIALS: 12 PANELS, 48 HANGERS & 96 BOSSES
5. CONTRA TRACE INSULATION IS TO BE DONE ON SITE BY OTHERS

# BILTON

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BOX 6106 5815 37 Street INNISFAIR, AB CANADA 403-227-7799 1-888-227-4923 FAX 227-7796	<div><div>2</div><div>WESTCOAST ENERGY INC.</div></div> <div>174" OD x 16'-6" [4420mm x 5029mm] SULPHUR TAIL GAS COALESCER- TAG#; PV 17.43A VESSEL ASSEMBLY</div>			
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	LOCATION: CHETWYND, BC		D3468	
	DATE: 03/15/2016			
	SHEET: 2 OF 8		DRAWING NO.:	
CRN DWG: N/A		D3468-201		
CRN NUMBER: N/A				
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