From: Vernon Uy
To: Green, Frank;

cc: <u>Daly, Keith; Peppers, Nicki;</u>

Subject: Contract 8078, Gate Valves Equipment Submittals Date: Thursday, February 03, 2011 10:01:17 AM

Attachments: <u>GateValves-CatalogueCuts.pdf</u>

<u>GateValves-RAMForm.pdf</u> TransmittalSheet.pdf

Hi Frank.

Attached you'll find the submittals for the **Gate Valves** equipment: RAM and Catalogue Cut.

Hard copies are in the mail.

Vernon Uy American Construction Company, Inc. (425) 870-3217

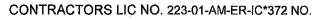
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Marine Construction Dredging Pile Driving

1501 Taylor Way • Tacoma, Washington 98421 PHONES: Tacoma (253) 254-0118, Seattle (206) 623-0114,

Fax (253) 254-0155





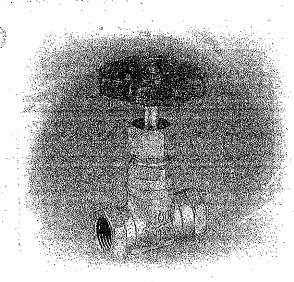
	DATE February 3, 2011
Columbia River Crossing Project Office 700 Washington Street, Suite 300	JOB #: MC 02-11
Vancouver, WA 98660	TITLE: Columbia River Bridge Temporary Pile Test Program (#8078)
Attn: Frank Green, P.E.	
	ewith er Separate Cover ct
QUANTITY	DESCRIPTION
4 EA RAM for Gate Valves equipment (from Ta	-Chen Industrial)
4 EA Catalogue Cut of Gate Valves equipment	(from Ta-Chen Industrial)
- 	
These items are being sent:	
X Per your request X Please keep us advised of action taken	
X For you to process For your inspection and approval	
X For your general information and file	
X For your approval or corrections	
REMARKS	
Please contact us promptly if there is a problem or question	AMERICAN CONSTRUCTION COMPANY, INC.
COPY TO:	BY:
	Vernon Uy



Request for Approval of Material

-	-				<u> </u>				
Contract	8078	FA Number	SR I	-5 Date	23/11				
Section T-5		(WA 0.3 to OR MP	308) Col	INTY AND OR	states				
Contracto)[. Jour	ocontractor						
AMERI			let- et fina o of						
submitta	I it may be returned for info	o submittal. If this form is not rmation that was omitted. • Instructions and Example		For WSDOT Use O					
Bid Item No.	Material or Product/Type	Name and Location of Fabric Manufacturer or Pit Numb	cator, Specification	PE/QPL Code	Hdqtr./QPL Code				
				10.5					
283	Furnish manifold	TA-CHEN Industria							
<u> </u> -	for both confined	5855 Ispo Avenu	17 10						
	AND UNCONFINED	Long Beach, CA 9080)5 /						
	BUBBLE CURTAINS	the same and the design of the same and the							
				: :					
	GATE VALVES	·							
	91110								
Project Er	ngineer	Date State	Materials Engineer		Date				
		A to form her Duckey Ev	wincer and State Blater	isle Laboratory					
		on Codes for use by Project En ased upon 'Satisfactory' Test Report	for samples of materials to b	e incorporated into pr	oject.				
		Compliance for 'Acceptance' prior to u							
1	tance Criteria: Catalog Cuts	for 'Acceptance' prior to use of mater	ial. Catalog Cut Approved	☐ Yes ☐ No					
	tanna Criteria: Submit Shop	Drawings for 'Approval' prior to fabric	ation of material.		unad.				
	· · · · · · · · · · · · · · · · · · ·	ed for Shipment', 'WSDOT Inspected' cate of Materials Origin to Project En	or Habrication Approved De	icai marenal anan ne r	iseu.				
	stance Criteria: Submit Certifi Stance Criteria: Request Tran	smitted to State Materials Laboratory	for Approval Action.						
	e Approved:				eth er				
				<u> </u>					
		es for preliminary evaluation.							
	oval Withheld:								
	llaneous Acceptance Criteria.								
Remarks	E	•							
		•	•						
			State Materials Eng	ineer Distribution					
_	ngineer Distribution	egion Materials	General File	Signing	nspection				
☐ Contra		ate Materials Lab	Other						
	Region Operations Engineer State Materials Lab M/S 47365								

DOT Form 350-071 EF Revised 12/2008



MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	NUT	SS304	1
2	HANDWHEEL	SS400	1
3	STEM	ASTM A276 Gr.316.	1
4	GLAND NUT	ASTM A351 Gr.CF8M	1
5	GLAND	ASTM A351 Gr.CF8M	1
- 6	GLAND PACKING	PTFE	1
7	BONNET	ASTM A351 Gr.CF8M	1
8	GASKET	PTFE	1
9	BODY	ASTM, A351 Gr.CF8M	1
10	DISC	ASTM A351 Gr.CF8M	1

DESIGN FEATURES:

Rising Stem And Wheel

Body: ASTM A351 Gr.CF8M

Disc: ASTM A351 Gr.CF8M

Seat: \$\$ 316

Packing: PTFEWorking Pressure: 200 psi

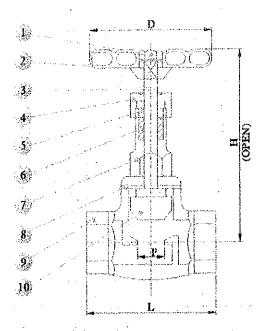
TEST STANDARD: API 598

Bnd Connections: Threaded End

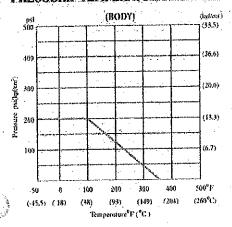
Threaded Type:
 ANSI B1.20.1 (NPT)
 DIN 259/DIN 2999

ISO 228 BSP

PT



PRESSURE TEMPERATURE RATINGS



DIMENSIONS

SIZE		D		L		H		P		Cv	Weight	
inch	mm	inch	mm	inch	มากา	inch	វាវុរាវ	inch.	min	Factor	Kg	1.15
1/4"	8	2.36	60.0	2.05	52,0	4.02	102	0.39	30	1.0	0.33	0.73
3/8"	10	2.36	60.0	2.05	52.0	4:02	102	0.47	12	1.5	0.331.	0.68
1/2"	15	2.76	70.0	2.60	0.00	3,74	95	0.47	12	2.5	0.42	0.93
3/4"	20	2.76	70.0	2.70	68.5	3.90	99	0.59	15	5.6	0.46	1.01
10	25	3.01	76,5	3.08	78.3	4.02	102	0.79	20	10.5	0.62	1.37
1 1/4"	32	4.07	103.5	3,39	86,0	4.96	126	0.98	25	17.0	1.05	2.31
1 1/2"	40	4.07	103.5	3.86	98.0	5.35	136	1.30	33	25.0	1.40	3.08
2"	50	4.76	121.0	4:35	130.5	6.14	156	1.57	40	46.0	2.10	4.63

