



RAM - 0005

Request for Approval of Material

Contract 8078	FA Number _____	SR I-5	Date 2/3/11
Section I-5 Columbia River Bridge (WA 0.3 to OR MP 308)		County WA AND OR states	
Contractor AMERICAN CONSTRUCTION COMPANY, INC.		Subcontractor _____	

This form shall be completed prior to submittal. If this form is not complete at time of submittal it may be returned for information that was omitted.
For assistance in completing, see Instructions and Example

For WSDOT Use Only
RAM # **5**

Bid Item No.	Material or Product/Type	Name and Location of Fabricator, Manufacturer or Pit Number	Specification Reference	PE/QPL Code	Hdqr./QPL Code
2&3	Furnish manifold	TA-CHEN Industrial	SPECIAL PROVISIONS		
	for both CONFINED	5855 Ispo Avenue	page 98	7	
	AND UNCONFINED	Long Beach, CA 90805			
	BUBBLE CURTAINS				
	BALL VALVES				
2.09					
3.09					

Project Engineer Rocki Peppers for Frank Green	Date 2/3/11	State Materials Engineer	Date
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Acceptance Action Codes for use by Project Engineer and State Materials Laboratory

- Acceptance Criteria: Acceptance based upon 'Satisfactory' Test Report for samples of materials to be incorporated into project.
- Acceptance Criteria: Mfg. Cert. of Compliance for 'Acceptance' prior to use of material.
- Acceptance Criteria: Catalog Cuts for 'Acceptance' prior to use of material. Catalog Cut Approved Yes No
- Acceptance Criteria: Submit Shop Drawings for 'Approval' prior to fabrication of material.
- Acceptance Criteria: Only 'Approved for Shipment', 'WSDOT Inspected' or 'Fabrication Approved Decal' material shall be used.
- Acceptance Criteria: Submit Certificate of Materials Origin to Project Engineer Office.
- Acceptance Criteria: Request Transmitted to State Materials Laboratory for Approval Action.
- Source Approved:
- Approval Withheld: Submit samples for preliminary evaluation.
- Approval Withheld:
- Miscellaneous Acceptance Criteria.

Remarks:

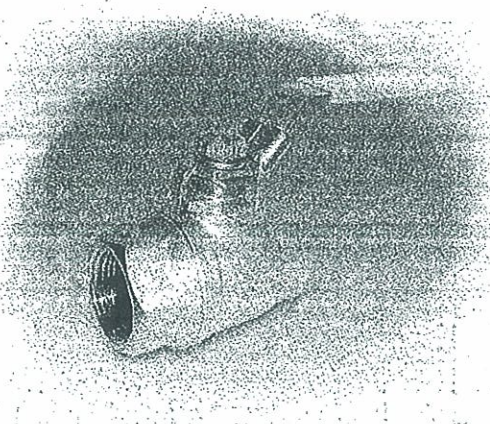
cc: American Construction, Peppers

Project Engineer Distribution		State Materials Engineer Distribution	
<input type="checkbox"/> Contractor	<input type="checkbox"/> Region Materials	<input type="checkbox"/> General File	<input type="checkbox"/> Signing Inspection
<input type="checkbox"/> Region Operations Engineer	<input type="checkbox"/> State Materials Lab	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Fabrication Inspection	M/S 47365		

TC-02X

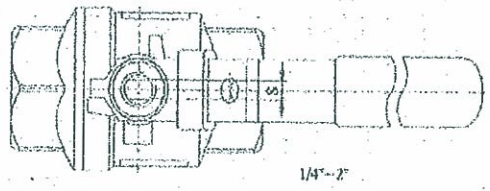
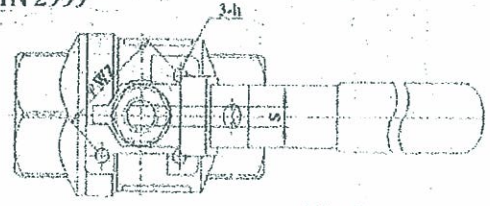
2PC FULL PORT 1000 WOG BALL VALVE, THREADED

CAT-0004



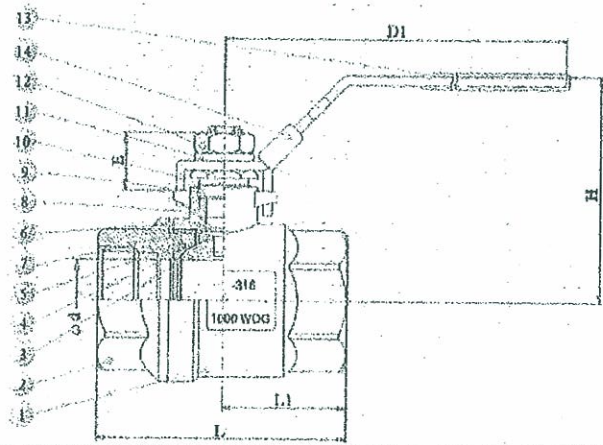
DESIGN FEATURES:

- ⊗ Blow-out-proof stem design
- ⊗ Temperature Range: -50°F to 450°F
- ⊗ Options: locking device
- ⊗ TEST STANDARD: API 598
- ⊗ Vacuum Service to 29" Hg
- ⊗ Threaded Type:
ANSI B1.20.1 (NPT)
DIN 259/DIN 2999
ISO 228
BSP
PT

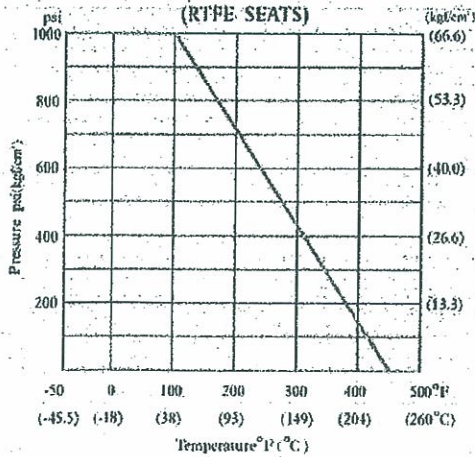


MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	BODY	ASTM A351 Gr.CF8M	1
2	CAP	ASTM A351 Gr.CF8M	1
3	BALL	ASTM A351 Gr.CF8M	1
4	STEM	ASTM A276 Gr.316	1
5	SEAT	PTFE+15% G/F	2
6	GASKET	PTFE	1
7	THRUST WASHER	PTFE	1
8	PACKING	PTFE	1
9	GLAND	SS304	1
10	HANDLE	SS304	1
11	SPRING WASHER	SS304	1
12	HANDLE NUT	SS304	1
13	HANDLE SLEEVE	VINYL GRIP	1
14	LOCKING PLATE	SS304	1



PRESSURE TEMPERATURE RATINGS



DIMENSIONS

SIZE	a	E	L	L1	H	S	D1	W2	h	Cu	Weight							
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	(Option)	Factor	Kg	Lb					
1/4"	8	0.93	11.0	0.61	10.5	2.28	67.8	1.33	28.8	2.25	57.2	0.21	5.45	4.06	103	16	0.26	0.57
3/8"	10	0.49	12.5	0.61	15.5	2.28	57.8	1.33	28.8	2.25	57.2	0.21	5.45	4.06	103	16	0.26	0.53
1/2"	15	0.59	15.0	0.57	14.5	2.43	61.7	1.21	30.7	2.39	60.1	0.21	5.45	4.06	103	26	0.30	0.66
3/4"	20	0.79	20.0	0.83	21.0	2.76	70.1	1.58	35.0	2.46	62.6	0.21	5.45	4.06	103	55	0.42	0.93
1"	25	0.93	25.0	0.77	19.5	3.20	81.3	1.58	40.2	2.78	70.7	0.24	6.29	5.60	142	110	0.70	1.54
1 1/4"	32	1.26	32.0	1.09	27.9	3.78	95.0	1.86	47.2	3.66	76.5	0.24	6.29	6.00	152	150	1.19	2.42
1 1/2"	40	1.50	38.0	1.50	27.5	4.43	114.5	2.19	55.6	3.51	81.1	0.27	6.43	6.03	153	270	1.86	4.10
2"	50	2.00	50.8	1.68	36.7	4.96	140.0	2.46	62.4	3.87	98.2	0.27	6.43	7.65	193	500	2.85	6.28
2 1/2"	65	2.55	65.0	1.68	36.0	6.63	168.5	3.55	85.0	4.35	110.6	0.27	6.43	9.40	240	1100	4.82	10.77
3"	80	3.15	80.0	1.50	38.0	7.51	192.1	3.78	95.3	4.84	124.0	0.27	6.43	10.98	279	1400	6.82	15.05
4"	100	3.94	100.0	1.80	45.0	8.50	216.5	4.26	106.0	6.63	168.5	0.27	6.43	16.06	419	2000	11.00	24.25