From:Ablson, MahaTo:Peppers, Nicki;cc:Daly, Keith; Molohon, Rob;Subject:008078 RAM#6 Ball ValveDate:Thursday, March 10, 2011 10:29:35 AMAttachments:8078 RAM5 Ball Valve.pdf

Nicki,

The processed electronic RAM is attached.

Maha Ablson

RAM Engineer WSDOT, Materials Lab Office: 360.709.5403 Fax: 360.709.5588 mahaab@wsdot.wa.gov

From: Peppers, Nicki [mailto:peppersn@columbiarivercrossing.com]
Sent: Thursday, February 03, 2011 1:37 PM
To: Ablson, Maha
Cc: Daly, Keith
Subject: 008078 RAMS 3-7

Please find attached RAM-0003, RAM-0004, RAM-0005, RAM-0006, RAM-0007

High Priority.

Thanks, Nicki 360-816-2167

*** eSafel scanned this email for malicious content *** *** IMPORTANT: Do not open attachments from unrecognized senders *** eSafe scanned this email for malicious content ***

*** IMPORTANT: Do not open attachments from unrecognized senders ***

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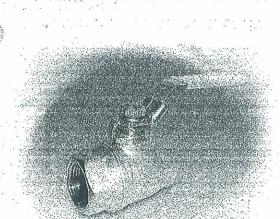
RAM - 0005

Washington State **Request for Approval of Material Department of Transportation** SR Contract **FA Number** Date 1-5 3 11 County Section I-5 columbia River Bridge (WA 0.3 to OR MP 308) OR states WA AND Contractor Subcontractor AMERICAN CONSTRUCTION COMPANY. INC. This form shall be completed prior to submittal. If this form is not complete at time of For WSDOT Use Only submittal it may be returned for information that was omitted. 5 For assistance in completing, see Instructions and Example RAM # Bid Material or Name and Location of Fabricator. Specification PE/QPL Hdgtr./QPL Item No. Manufacturer or Pit Number Product/Type Reference Code Code TA-CHEN Industrial SPECIAL PROVIDIOUS 183 Furnish manifold page 98 5855 ISPO Avenue for both CONFINED 3 Long Beach, CA 90805 AND NNCMFINED BUBBLE CURTAINS BALL VALVES 2.09 3.09 State Materials Engineer Project Engineer Date Date tornank Green 2/3/11 ICKI Maha Ablson 03/10/2011 Acceptance Action Codes for use by Project Engineer and State Materials Laboratory Acceptance based upon 'Satisfactory' Test Report for samples of materials to be incorporated into project. 1. Acceptance Criteria: 2, Acceptance Criteria: Mfg. Cert, of Compliance for 'Acceptance' prior to use of material. 3. Acceptance Criteria: Catalog Cuis for 'Acceptance' prior to use of material. Catalog Cut Approved X Yes No Submit Shop Drawings for 'Approval' prior to fabrication of material. 4. Acceptance Criteria: 5. Acceptance Criteria: Only 'Approved for Shipment', 'WSDOT Inspected' or 'Fabrication Approved Decal' material shall be used. Submit Certificate of Materials Origin to Project Engineer Office. 6. Acceptance Criteria: Request Transmitted to State Materials Laboratory for Approval Action. 7. Acceptance Criteria: 8. Source Approved: 9. Approval Withheld: Submit samples for preliminary evaluation. 10. Approval Withheld: 11. Miscellaneous Acceptance Criteria. Remarks: CC: American Construction, Peppers **Project Engineer Distribution** State Materials Engineer Distribution General File Contractor Region Materials Signing Inspection Other Region Operations Engineer State Materials Lab M/S 47365 Fabrication Inspection

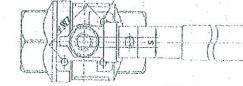
DOT Form 350-071 EF Revised 12/2008 TC-02X

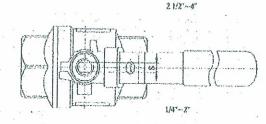
2PC FULL PORT 1000 WOG BALL VALVE, THREADED

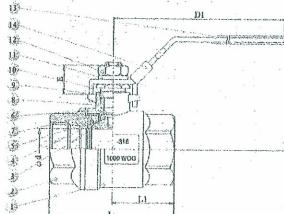
BSP PT



DESIGN FEATURES: CAT-0004 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







DIMENSIONS

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inch	IT3A	lich	TUR	hýh	U.11	1sech	10100	inch	16/13	loch	um	inch	ITTE	inch	HEIR	inth	min	(Option)	Fance	Kj	11
1/4"	8	0.43	11.0	0.61	15.5	7,28	67.8	1.13	28.8	225	57.2	021	5.45	4.06	103	1	1		16	19.26	0.57
3/8'	10	0.49	125	061	15.5	228	67.8	1.13	28.8	2 25	57.2	021	5.45	4:06	103	2	5	Carlos and	16	0,21	0.5
102	15	059	150	0.57	14.5	2.13	61.7	1.21	30.7	8,33	59.)	021	5 45	4.06	103	2	1	1	20	0,30	10.60
3/41	211	n.79	200	183	21.0	276	70 1	1.88	35.0	2.46	62.6	OZI	5.45	4.06	103	1	5	Marrie .	. 55	0.12	6.4
IF.	25	6.93	25.0	0.17	19.5	3.21)	81.9	133	102	2.78	70.7	024	6%)	5.00	1:27	1	5		110	0.70	134
1.1/1	32	126	32.0	1.09	27.9	3,74	95.0	1.85	472	3.00	76.2	0.24	6:20	6.00	127	5	1	and the second	150	1.10	2.42
1/2	45	1,50	38.0	1.60	27.5	1.43	1185	2,19	55.6	3.51	6).]	037	9.40	6.02	153	1	1	~~~	9.70	1.86	4.10
\$	· 60	2.04	50.8	1.68	86.7	4.95	126.0	2.46	62.4	9.87	132	037	9.49	7,65	193	1	1		500	2.85	6.28
1/2	63	2.66	64.0	1 63	\$6.0	6.63	168.5	3.36	85.0	4.35	110.6	9.37	9.40	7.60	193	2.76	70	M3*P1.25	800	6.25	13.7
3	ñ	335	60,0	1 50	38.0	751	191.4	3,78	95.9	4.83	121.0	0.47	12.00	10.98	279	4.02	102	M10*P1.5	1150	10.42	29.9
*	160	3.94	150,6	1.89	48.0	8.52	1365	126	103.3	6.63	168.5	0.17	1616	1.1 19	395	1.08	102	MIGPIS	2120	17 20	37.8

Approved (FG) Maha Ablson 03/10/2011

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	S\$304	1
10	HANDLE	SS304	1
11:	SPRING WASHER	\$\$304	1
12	HANDLE NUT	SS304	. 1
13	HANDLE SLEEVE	VINYL GRIP	1
14	LOCKING PLATE	SS304	1

1.1

PRESSURE TEMPERATURE RATINGS

