From: Green, Frank
To: Daly, Keith;

cc: Degenhart, Mark; Nelson, Todd; Peppers, Nicki;

Subject: FW: C8078 CRC Test Piles - (RAMS 3-7) Bubble Curtain

Date: Tuesday, March 01, 2011 8:48:48 AM

Attachments: Scan001.pdf

Keith,

All RAMs are approved.

Mark/Todd,

Can you help me with the question that James has? Let me know.

Thank you.

From: Schufreider, James [mailto:JSchufre@wsdot.wa.gov]

Sent: Monday, February 28, 2011 9:44 AM

To: Green, Frank

Subject: RE: C8078 CRC Test Piles - (RAMS 3-7) Bubble Curtain

These look fine.

Curiosity question – did anyone notice how warm the manifold or valves became when the maximum amount of air was flowing thru them? Nobody noticed? Warm to the touch? Steam was formed when the rain landed on the metal parts?

From: Green, Frank [mailto:greenf@columbiarivercrossing.com]

Sent: Thursday, February 24, 2011 8:52 AM

To: Schufreider, James

Cc: Daly, Keith

Subject: FW: C8078 CRC Test Piles - (RAMS 3-7) Bubble Curtain

Importance: High

James,

You previously assisted me with approval of the valves and hoses/fittings but RAM-0003 is for the gauges and RAM-0006 is for the flowmeters. Can you provide me with your thoughts regarding those materials (do they meet the specification)?

Thank you for all your assistance throughout this process.

From: Beaver, Jesse [mailto:BeaverJ@wsdot.wa.gov]

Sent: Wednesday, February 23, 2011 4:53 PM

To: Green, Frank; Beaver, Jesse

Subject: C8078 CRC Test Piles - (RAMS 3-7) Bubble Curtain

Importance: High

Frank,

Please get feedback from your bubble curtain designer on these submissions.

Jesse L. Beaver, PE State Construction Office 360.705.7825 360.791.2855 (cell)

From: Ablson, Maha

Sent: Friday, February 11, 2011 7:22 AM

To: Niemi, Mike Cc: Molohon, Rob

Subject: 008078 RAMS#3-7 Bubble Curtain

Importance: High

Good morning Mike, Submitted for your evaluation. Thank you,

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: RAMS 3-7

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

High Priority.

Thanks, Nicki 360-816-2167

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

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

*** eSafe scanned this email for malicious content ***
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Washington State Department of Transportation

ZAM-0003

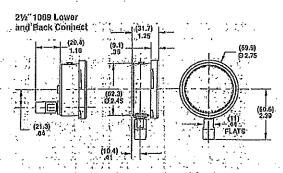
Request for Approval of Material

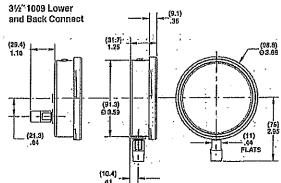
Contract	~\n-10	FA Number	SR	C Date []			
<u> </u>	8078			5 2311			
Section T-5	Columbia River Bridge	(WA 0.3 to OR MP 3	08) Coun	NA AND OR States			
Contracto AMEK	CAN CONSTRUCTION CO	MPANY, INC. Subo	ontractor	The state of the s			
This form	n shall be completed prior t I it may be returned for info	o submittal. If this form is not c	omplete at time of	For WSDOT Use Only			
	istance in completing, se	RAM# 3					
Bid Ilem No.	Material or Product/Type	Name and Location of Fabrical Manufacturer or Pit Number		PE/QPL Hdqtr./QPL Code Code			
2&3	Furnish manifold	AshcroFt, Inc.	SPECIAL PLOUSION	<i>s</i>			
	for both confined	250 East Main Street	page 98	7			
	AND UNCONFINED	Stratford, CT 06614					
	BUBBLE CURTAINS						
	Van auge CATIONS						
2.12	PRESSURE GAUGES	www. ashcroft.com					
3.12							
•	. •						
		:, ·		<u> </u>			
	·						
Project Er	バメファー・・ ペロレイ・・・・	Date State M	aterials Engineer	Date			
TUCK		Green 2/3/11 on Codes for use by Project Engi	neer and State Material	e i aboratoru			
1. Accept	lance Criteria: Acceptance by	ased upon 'Satisfactory' Test Report for	samples of materials to be i	-			
•		Compliance for 'Acceptance' prior to use for 'Acceptance' prior to use of material.		Yes □ No			
4. Accept	ance Criteria: Submit Shop t	Drawings for 'Approval' prior to fabrication	on of material.				
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.							
	ance Criteria; Request Trans Approved:	mitted to State Materials Laboratory for	Approval Action.				
9. Appro	val Withheld: Submit sample	s for preliminary evaluation.		·			
	val Withheld:		1	. / -/			
11. Miscellaneous Acceptance Criteria. Remarks: Approvite Junes Scherler 2-28-2011 CC: American Construction, Peppers							
		APPROVICE	June 2	-28-2011			
MA.	American Cono	truphen Domain					
	gineer Distribution		State Materials Engine	er Distribution			
☐ Contrac	_ ,	☐ General File ☐ Other	Signing Inspection				
		te Materials Lab 3 47365	LJ Olliei				

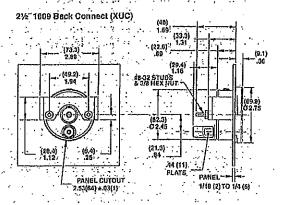
Type 1009SW Stainless Case Gauge with Stainless Steel System

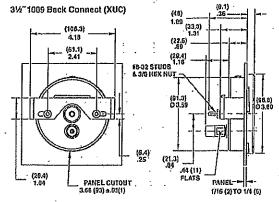
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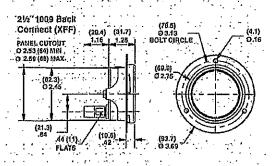
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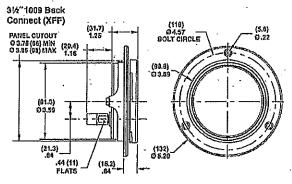


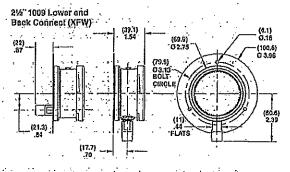


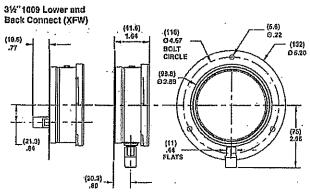




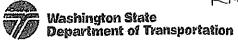








RAM - 0004



Request for Approval of Material

Contract	8078	FA Number		SR I-	5 Date	2311		
Section T-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 wsDOT Use Only RAM #								
Bid Ilem No.	Material or Product/Type	Name and Location of Fe Manufacturer or Pit Nu		Specification Reference	PE/QPL Code	Hdqtr./QPL Code		
2&3	Furnish manifold	TA-CHEN Industrial		SPECIAL PROVISION	2 18			
<u> </u>	for both confined	5855 Ispo Ave	me	page 98				
	AND UNCONFINED	Long Beach, CA 90	805	,				
	Bubble curtains				The land of the la			
	•				· 			
	GATE VALVES							
2.08				, , , , , , , , , , , , , , , , , , ,				
3.08								
•					, 20,			
						Date		
Project En	i Hennew Hark Ch	een 2/3/11	ale Materials E					
		on Codes for use by Project used upon 'Salisfactory' Test Rep				niect.		
•		compliance for 'Acceptance' prior						
-	ance Criteria: Catalog Cuts f	or 'Acceptance' prior to use of ma	terial. Catalog (Cut Approved 🔲	Yes □No			
•		Drawings for 'Approval' prior to fat	rication of male	erial				
		d for Shipment', 'WSDOT Inspect eate of Materials Origin to Project			material shall be t	iseo.		
•	ance Criteria: Submit Certific ance Criteria: Request Trans	mitted to State Materials Laborate	ory for Approval	Adion.				
	Approved:	•			•			
	•				·			
		s for preliminary evaluation.						
10. Approval Withheld: 11. Miscellaneous Acceptance Criteria.								
	Anoroxed pe	r CM Section	9-1.10			18		
Remarks:	r.pp. o.c.	APPROVE	A In	nes Jeh	Seide			
cc: American Construction, Pepper 2-28-204								
Project Engineer Distribution // State Materials Engineer Distribution								
☐ Contractor ☐ Region Materials ☐ General File ☐ Signing Inspection ☐ Region Operations Engineer ☐ State Materials Lab ☐ Other								
I Fabrica	ition Inspection							

DOT Form 350-071 EF Revised 12/2008

RAM - 0005



DOT Form 350-071 EF Revised 12/2008

Request for Approval of Material

			lan .					
Contract	8078	FA Number	SR T-	5 Date 2 3	11			
Section 1-5	Columbia River Bridge	(WA 0.3 to OR MP 31	08) Coun	ty VA AND OR Stat	tes			
Contract AMEK	or ,	Subco	ntractor		· <u>·</u> ·			
<u> </u>		o submittal. If this form is not co	mniete at time of					
submitta	I it may be returned for info	ormation that was omitted.	implete at time of	For WSDOT Us	e Only			
		e Instructions and Example		RAM# 5				
Bid	Material or	Name and Location of Fabricato	r. Specification	PE/QPL Hd	lqtr./QPL			
Item No.	Product/Type	Manufacturer or Pil Number	Reference		Code			
002	English	TA-CHEN Industrial	SPEIAL PROUBIO	lc				
2&3	Furnish manitold			<u> </u>	******************************			
	for both confined	5855 Ispo Avenue	page 98	7				
	THE MICENTIA	Long Beach, CA 9080!	5					
	BUBBLE CURTAINS				· · · · · · · · · · · · · · · · · · ·			
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					*			
	BALL VALVES				· · · · · · · · · · · · · · · · · · ·			
2.09								
3.09								
		The second secon						
								
Project Er		Date State Ma	terials Engineer	Date				
rcion	Accentance Action	on Codes for use by Project Engin	ear and State Material	E l'aboratory				
1 Access		ased upon 'Satisfactory' Test Report for s		, "				
•		Compilance for 'Acceptance' prior to use of	•	ricorporated tha project				
-	•	or 'Acceptance' prior to use of material.	<u>.</u> .	Yes No				
4. Accept	tance Criteria: Submit Shop D	Orawings for 'Approval' prior to fabrication	of material.					
		d for Shipment', 'WSDOT Inspected' or 'F		l' material shall be used.				
6. Acceptance Criteria: Submit Certificate of Materials Origin to Project Engineer Office.								
	iance Criteria: Request Trans a Approved:	milled to State Materials Laboratory for A	approva Action.					
o, dodios	: Approved:		•					
9. Appro	val Withheld: Submit sample	s for preliminary evaluation.						
	val Withheld:							
	laneous Acceptance Criteria.		0 . 1					
APPROVED Junes Schaferte								
	CC: American Construction, Peppers							
20: Annuary Ametriation Domes								
Project Engineer Distribution State Materials Engineer Distribution								
roject ⊯n ∐ Contrac	agineer Distribution :		State Waterials Engine	er Distribution Signing Inspection	าท			
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Region Operations Engineer State Materials Lab LI Other								