



HIRSCHFELD
INDUSTRIES

112 West 29th Street | PO Box 3768 (76902) | San Angelo, Texas 76903 | 325.486.4201 phone | 325.486.4380 fax

December 14, 2010

NRC Document Control Desk
U.S. Nuclear Regulatory Commission
Washington DC 20555-0001

Dear Sirs,

Attached, please find an internal Corrective Action Report initiated by Hirschfeld Industries. We believe that this constitutes a potential safety-related issue for use in nuclear safety related applications and is reportable in accordance with 10 CFR Section 21.

Follow up written notification will be provided within 30 days pursuant to Part 21.21(d)(3)(ii).

Sincerely

Dennis Hirschfeld
CEO
Hirschfeld Industries



QAP 16.1.1 form: Corrective Action Report

CAR #	QA-117	Date:	12/10/10
DESCRIPTION OF PROBLEM :			
<p>Several W16 x 67 beams have been discovered with a longitudinal crack in the web of the beam. The crack appears to run intermittently down the entire length of the beam. Each of the beams was found to be from the same heat (22536130).</p>			
Initiators Name/Signature: Alan Stanley / <i>Alan Stanley</i>			
Immediate Action Taken (if any):			
<p>Procurement was notified and indicated that we purchased 15 – 50 feet beams with this heat number. The location of all pieces of this heat were located. It was determined that some were in our shop, some were at the fire proofer and three pieces had been delivered to the site but were not erected. Arrangements have been made to have all pieces returned to our facility. Our customer, Baker Concrete Construction (National Enrichment Facility, Eunice, NM) has been notified as has the supplier of the steel, Gerdau Ameristeel, Midlothian, TX.</p>			
Assigned Department Manager: Alan Stanley/Jeff Jost Corrective Action Due Date: 1/10/11			
Discussion, Investigation (Root Cause) & Corrective Action (CA) Plan:			
<p>All pieces that were currently in our facility, that were cut from the suspect material and its associated drops were inspected. The cracking appeared to be confined to the four cut pieces that were found by inspection during the fabrication stage and in one piece that had shipped to the fire proofer. It was determined that all pieces of this material needed to be returned to our facility and segregated so as not to be used on any projects. Furthermore, it was determined that pictures of the cracked beams be used as training material for the shop.</p>			
Manager Signature for Completion: <i>Alan Stanley</i> Date: 1-7-11			
(Attach objective evidence to support completion of CA Plan and Closure of CAR)			
Extension Request Approval: N/A		New Due Date: N/A	
Corrective Action and Action Taken to Prevent Recurrence:			
<p>All beams have been returned to our facilities and have been segregated for non-use. Training was given to the Abilene facility with regards to what happened and the need for individuals in all departments to perform inspection of all material for nonconformities.</p>			
Is a 10CFR Part 21 Evaluation Required?		YES (X) NO ()	
QA Manager Signature:		Closed Date:	
<i>Cathy Jore</i>		1/7/11	



**HIRSCHFELD
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QAP 2.1.1 form: Employee Training Record

Date:	12/22/10
*Training Topic:	Inspecting material for nonconformities Discussion of CAR QA-117 and 10 CFR 21
Instructor(s):	Alan Stanley
Duration:	1 hour

***Please attach notes and supporting documentation for topic.**

EMPLOYEES ATTENDING

Print Name:	Signature:
Michael Courtney	<i>[Signature]</i>
Joe Rocha	<i>[Signature]</i>
Byron L Chavez	<i>[Signature]</i>
Daniel Dockler	<i>[Signature]</i>
James Baker	<i>[Signature]</i>
Lucas Oldham	<i>[Signature]</i>
Sunny Taylor	<i>[Signature]</i>
Brad Perry	<i>[Signature]</i>
James Freeman	<i>[Signature]</i>
Michael Cooley	<i>[Signature]</i>
Perry Noe	<i>[Signature]</i>
Wesley Peacock	<i>[Signature]</i>
Eric White	<i>[Signature]</i>
DEVEN INGRAM	<i>[Signature]</i>
JOE AGUIERO	<i>[Signature]</i>
Josh Ewell	<i>[Signature]</i>



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EMPLOYEES ATTENDING

Print Name:	Signature:
Bobby Mendez	
Daniel Mendez	
Matthew White	
Jack Thomas Jr	
Nicholas Marton	
David Guerra	
Richard Reed	
Lees C. Beyer	
Ron Wilson	
CHAD GAPP	
Joel Bezdek	
Lynn Johnson	
Felix Carter	
Cory B. Nissen	
Mark Jimenez	
MIKE CRAWFORD	



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Duration:	1 hour

***Please attach notes and supporting documentation for topic.**

EMPLOYEES ATTENDING

Print Name:	Signature:
Wayne Geber	<i>[Signature]</i>
Willie McCoy	<i>[Signature]</i>
Shaun Sanchez	<i>[Signature]</i>
JORGE NUÑEZ	<i>[Signature]</i>
Jesús Oliver	<i>[Signature]</i>
Israel Flores	<i>[Signature]</i>
Ramon Villalobos	<i>[Signature]</i>
José Agüero	<i>[Signature]</i>
George Rodriguez JR	<i>[Signature]</i>
Larry Saxon	<i>[Signature]</i>
Quincy Whitmore	<i>[Signature]</i>
PAUL JONAS	<i>[Signature]</i>
JOE MIRELES	<i>[Signature]</i>
MARCOS AGÜERO	<i>[Signature]</i>
Juan Delos Santos	<i>[Signature]</i>
Scotty Met.	<i>[Signature]</i>



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INDUSTRIES**

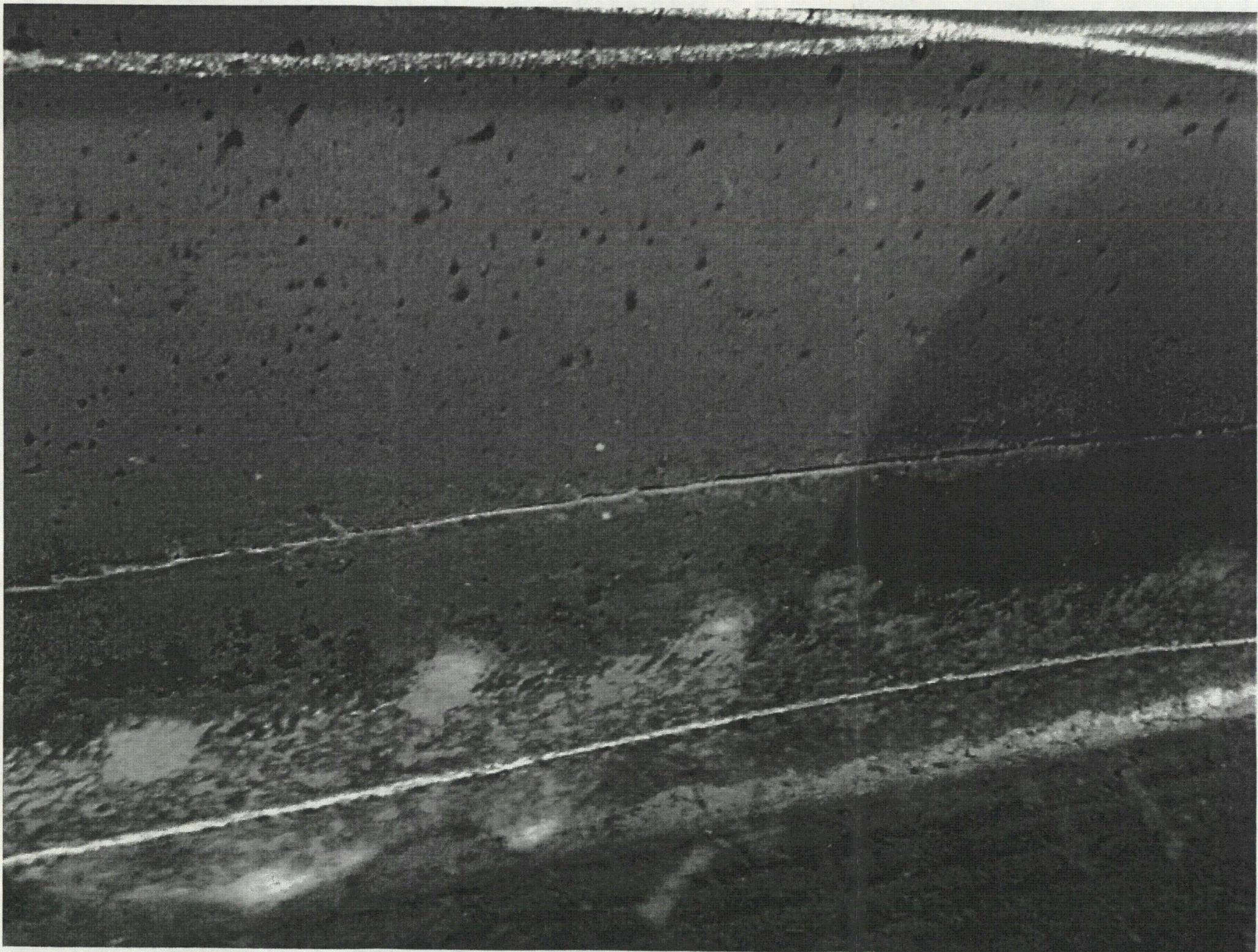
QAP 2.1.1 form: Employee Training Record

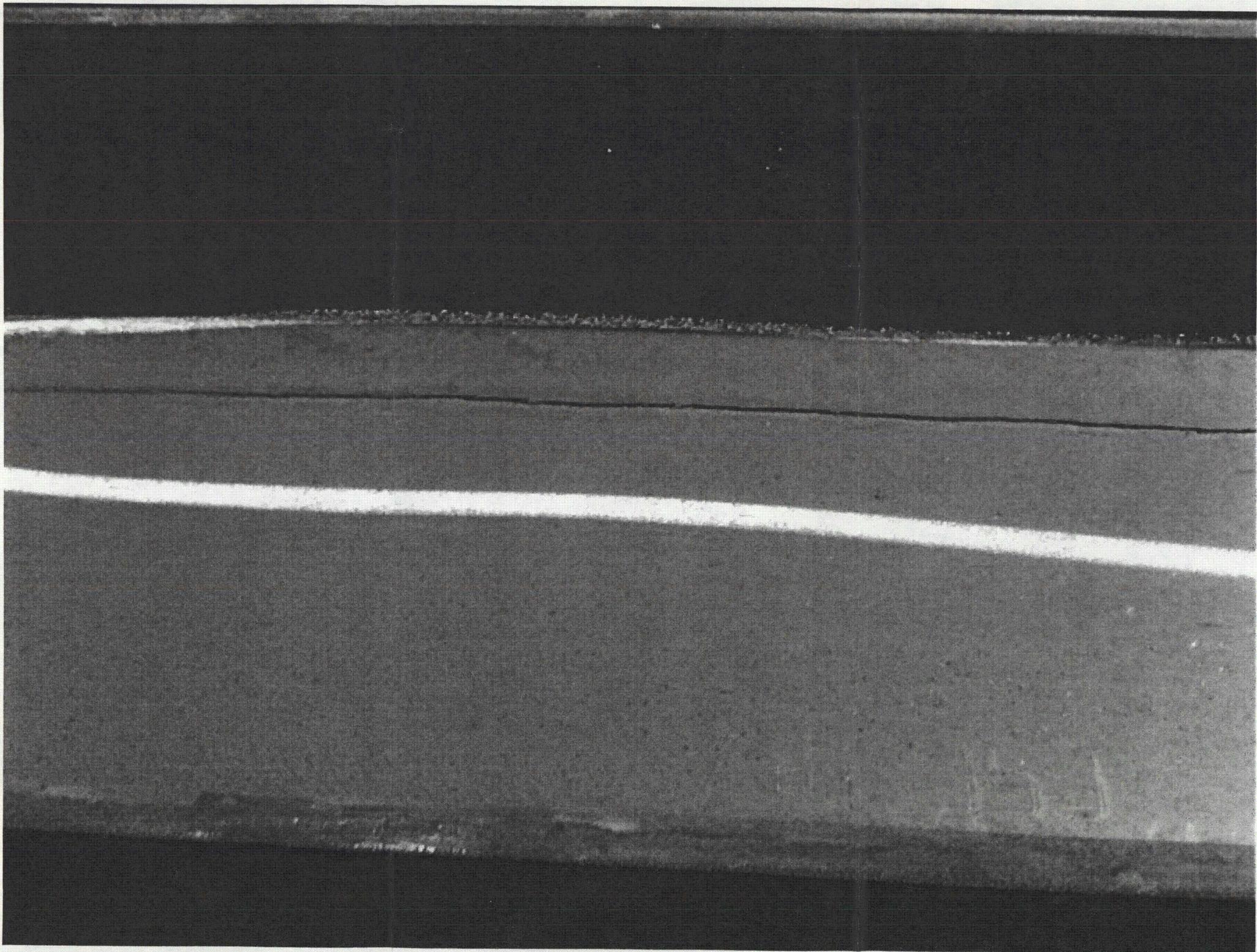
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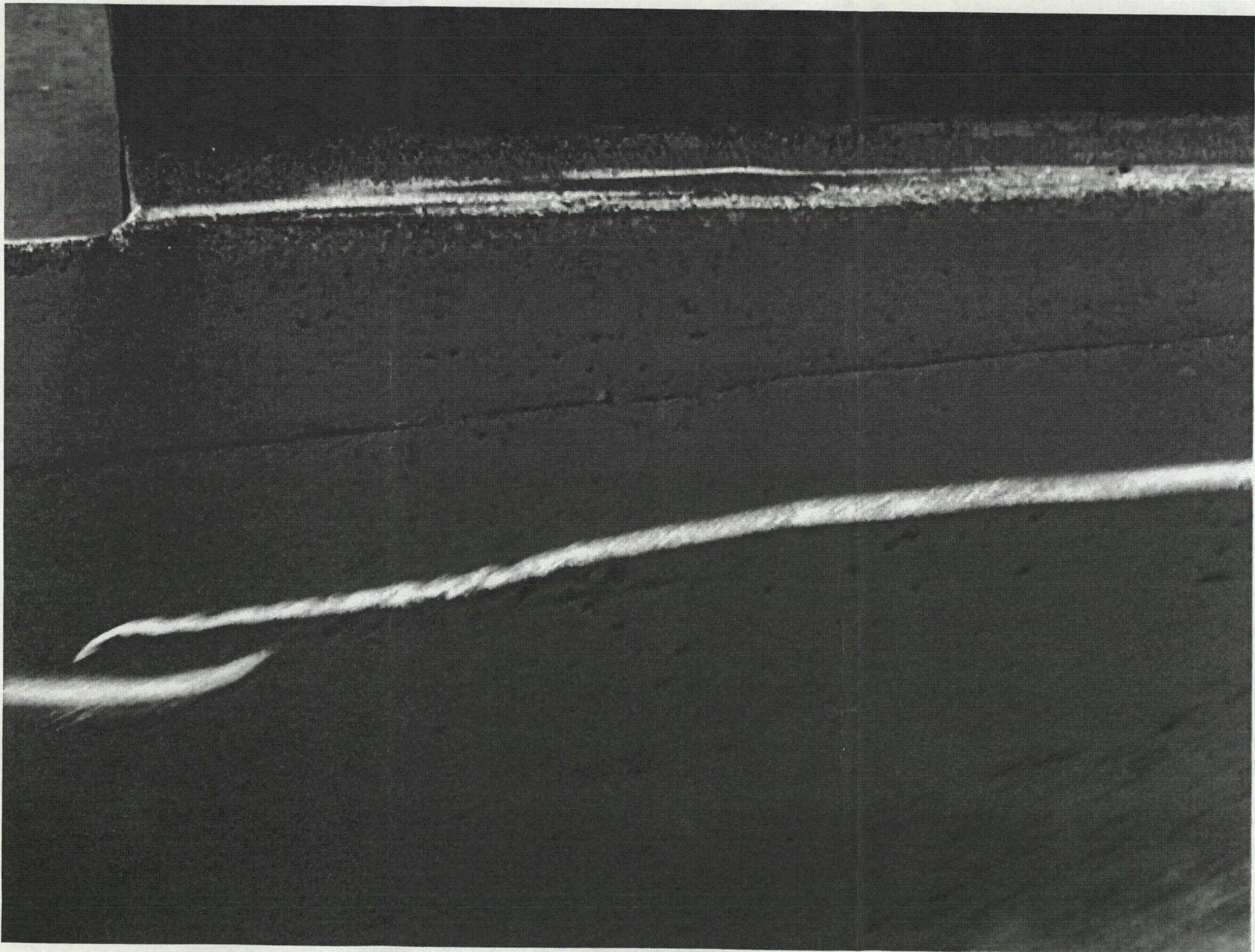
***Please attach notes and supporting documentation for topic.**

EMPLOYEES ATTENDING

Print Name:	Signature:
JOSE CHABARRIA	<i>Jose Chabarría</i>
SEVERO VALEZ SR.	<i>Severo Valdez Sr.</i>
Shanley Roberts	<i>Shanley Roberts</i>
Tim Hill	<i>Tim Hill</i>
Chris Enriquez	<i>Chris Enriquez</i>
Brian Patton	<i>Brian Patton</i>







46246

Bill To: 12050
HIRSCHFELD STEEL CO INC
P.O. BOX 3768

Ship To: 3
HIRSCHFELD STEEL COMPANY, INC
771 VIRGIL STREET
ABILENE TX 79604

Order Date: 03/16/2010
PO No: C46246
Mill Order No: 3713942
Load No: 1306399
Manifest No: 2006501

CERTIFIED MATERIAL TEST REPORT

GERDAU AMERISTEEL
Midlothian Mill
300 Ward Road
Midlothian, TX 76065
(972) 775-8241

JAN ANGELO TX
'9602-3768 US

SIZE GRADE LENGTH PRODUCT
W 16 X 67# / W410 X 100 992/572-50 50 FT / 15.24 M WF BEAMS
SPECIFICATIONS
STM A6-05a, A992-06a, A572-06

HEAT NO: 22536130 025

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.11	.93	.012	.024	.25	.25	.08	.12	.028	.009	.002	.004	.020	.32

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>		<u>Bend Test</u>	<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia. Result	%
55.5	382.7	75.8	522.6	0.910	5.87	21.6	8 In 200 mm		
56.9	392.3	76.6	528.1	0.904	5.83	22.6	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.73	1.36	.74	1.35

Remarks

Ref: Gerdau Ameristeel - Midlothian QSM-102 Rev 6 5/21/09 - "Nuclear Quality"

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A. MTR complies with EN 10204 3.1

I hereby certify that the contents of this report are correct and accurate. All tests and operations performed by this material manufacturer or its sub-contractors, when applicable, are in compliance with the requirements of the material specifications and applicable purchaser designated requirements."

Signed: Tom L. Harrington Date: May. 12, 2010
Tom L. Harrington: Quality Assurance Manager

Signed: _____ Date: _____
Notary Public (if applicable)

YJB 6/17/10 RT

Bill To: **12050**
HIRSCHFELD STEEL CO INC
P.O. BOX 3768

MAN ANGELO TX
9602-3768 US

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HIRSCHFELD STEEL COMPANY, INC
771 VIRGIL STREET
ABILENE TX
79604 US

Order Date: 03/16/2010
PO No: C46246
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Midlothian Mill
GERDAU AMERISTEEL 300 Ward Road
Midlothian, TX 76065
(972) 775-8241

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W 16 X 67# / W410 X 100 992/572-50 50 FT / 15.24 M WF BEAMS

PECIFICATIONS
STM A6-05a, A992-06a, A572-06

HEAT NO: 22536130 **025**

<u>CHEMICAL ANALYSIS</u>													
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.11	.93	.012	.024	.25	.25	.08	.12	.028	.009	.002	.004	.020	.32

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KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia.	Result	%
55.5	382.7	75.8	522.6	0.910	5.87	21.6	8 In 200 mm			
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Signed: _____
Notary Public (if applicable)

Date: _____

Page: 1 of 1

JB 5/17/10 *BT*