



NONCONFORMANCE-REPORT LOG & STATUS BOOK

PROJECT NO. 7220

REPORT AS OF _____
PAGE COMPL _____
O.C. ENG. SIGN _____

INCR NO.	ORIG. DATE CLOSE DATE	PREPARED BY CLOSED BY	NONCONFORMANCE DESCRIPTION/REMARKS	SOURCE DISPOSIT.	STATUS				
					ROUTE	XMTD	REPLY	RETD	
C-1	7/12/73	Dick Grote	Wall dowels and Access Tendon Gallery Slap Unit 2. With sketches attached.	Field	PE	NA	8-14-73	NA	8-14-73
	8-20-73	J.W. Miller		PE	AA				
C-1-1	7-12-73	Dick Grote	Wall dowels & Access Tendon Gallery slab. Attached Sketches.	Field	PE	7-12-73	8-14-73	8-20-73	
	8-20-73	J.W. Miller		AA	AA				
C-2	9-7-73	Buck Kinney	#7 Rebars in Containment #1 are Undersized	Field	PE				
				PE	AA				
C-3	9-12-73	Steve Grant	28ea #9 Rebars cut off @ 582'-6" to set certain columns for supporting frame. Reactor Bldg. #1	Field	PE	9-13-73			
				PE	AA				
C-4	9-28-73	Clay Clark	Liner Plate S-1-5-2-1 weld cracked after application of prime coating.	Field	PE	10-1-73			
				PE	AA				
C-5	9-28-73	Steve Grant	Trumplates by INRYCO in violation of documentation Requirements	Field	PE	10-1-73			
				PE	AA				
8006190839									

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NONCONFORMANCE REPORT

PAGE 1 OF 1

No. C-2

PROJECT NO. 7220

SKETCH ATTACHED

Yes

DATE 9 / 7 / 73

4. ITEM LOCATION <u>Containment #1</u>	AREA/BLDG.	5. DWG/PART No.	REV.	6. ITEM NAME <u>#7 Rebars</u>	Q No. <u>1.11</u>
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7. INSPECTION CRITERIA
 DWG SPEC OTHER (EXPLAIN) Specification for Purchasing, Detailing, Fabrication & Delivering of Reinforcing Steel

8. SOURCE: ENGRG. CONSTR. OTHER (EXPLAIN)
Inland-Riverson Chicago, Illinois

9. P.O. No. 7220-C-39

10. No. 1 11. NONCONFORMANCE (DISCREPANCY) DESCRIPTION:
 (LIST SERIAL NUMBERS WHERE APPLICABLE)

ASME YES NO

#7 Rebars in Containment #1 are undersized.
Refer to Final Report-Inspection of Embedded Reinforcing Bar of Hugh L. Rondorp Dated August 29, 1973.

12. NCR PREPARED BY: Responsible Engr. [Signature] Date 9/4/73

CONCURRENCE: Responsible Lead Engr. [Signature] Date [Signature]

13. FIELD DISPOSITION: REWORK REJECT ROUTE TO PROJECT ENGRG
 NOTIFY AUTHORIZED INSP. ROUTE TO MAT'L SUPV.

Refer to Final Report for Rebar

14. FIELD DISPOSITION BY: [Signature] Date [Signature]

APPROVAL OF FIELD DISPOSITION: PFE [Signature] Date 9/7/73
 CONCURRENCE AUTH. INSP. [Signature] Date [Signature]

15. ENGRG DISPOSITION: REPAIR REJECT
 USE AS IS SEE BELOW

DCN REQD: YES NO DCN No. _____

16. APPROVAL OF ENGRG. DISPOSITION	PE _____ Date _____	17. REINSPECTION	ACCEPT <input type="checkbox"/> Responsible Engr. _____ Date _____
	PFE _____ Date _____		REJECT <input type="checkbox"/> Responsible Lead Engr. _____ Date _____
	CONCURRENCE _____ Date _____		

Containment Under
 Rebar size - 7
 Nominal diameter - 0.875 inches

Diameter	UPPER			BOTTOM			UPPER			BOTTOM		
	Diameter	Delta	Accept	Diameter	Delta	Accept	Diameter	Delta	Accept	Diameter	Delta	Accept
0.828	0.828	0.047	no	0.820	0.055	no	0.826	0.049	no	0.818	0.057	no
0.824	0.824	0.051	no	0.823	0.052	no	0.824	0.051	no	0.822	0.053	no
0.826	0.826	0.049	no	0.823	0.052	no	0.826	0.049	no	0.824	0.051	no
0.826	0.826	0.049	no	0.826	0.049	no	0.825	0.049	no	0.828	0.047	no
0.825	0.825	0.050	no	0.825	0.050	no	0.828	0.047	no	0.824	0.051	no
0.824	0.824	0.051	no	0.824	0.051	no	0.826	0.049	no	0.826	0.049	no
0.828	0.828	0.047	no	0.826	0.049	no	0.827	0.048	no	0.826	0.049	no
0.824	0.824	0.051	no	0.824	0.051	no	0.823	0.052	no	0.826	0.049	no
0.828	0.828	0.051	no	0.824	0.051	no	0.825	0.050	no	0.826	0.049	no
0.826	0.826	0.052	no	0.826	0.049	no	0.825	0.050	no	0.827	0.048	no
0.825	0.825	0.050	no	0.824	0.051	no	0.827	0.048	no	0.828	0.047	no
0.825	0.825	0.050	no	0.826	0.049	no	0.827	0.051	no	0.826	0.049	no
0.827	0.827	0.045	no	0.825	0.050	no	0.827	0.048	no	0.824	0.051	no
0.828	0.828	0.047	no	0.824	0.051	no	0.827	0.046	no	0.824	0.051	no
0.825	0.825	0.050	no	0.825	0.050	no	0.829	0.046	no	0.824	0.051	no
0.825	0.825	0.050	no	0.825	0.050	no	0.827	0.048	no	0.824	0.051	no
0.819	0.819	0.056	no	0.824	0.051	no	0.826	0.049	no	0.824	0.051	no
0.821	0.821	0.054	no	0.825	0.051	no	0.826	0.049	no	0.825	0.050	no
0.830	0.830	0.045	no	0.826	0.049	no	0.827	0.048	no	0.825	0.050	no
0.822	0.822	0.053	no	0.818	0.057	no	0.823	0.052	no	0.827	0.048	no
0.822	0.822	0.053	no	0.823	0.052	no	0.828	0.047	no	0.820	0.047	no
0.827	0.827	0.049	no	0.820	0.045	no	0.820	0.055	no	0.820	0.055	no
0.826	0.826	0.047	no	0.821	0.054	no	0.823	0.052	no	0.823	0.052	no
0.827	0.827	0.049	no	0.827	0.047	no	0.827	0.048	no	0.829	0.046	no
0.827	0.827	0.049	no	0.824	0.051	no	0.828	0.047	no	0.829	0.046	no
0.827	0.827	0.049	no	0.826	0.049	no	0.828	0.047	no	0.825	0.050	no

TABLE 5

Containment Unit 2
 Rebar size - 7
 Nominal Diameter - 0.875 inches

BOTTOM

UPPER

BOTTOM

UPPER

Accept

Diameter

Delta

Diameter

Accept

Diameter

Accept

Delta

Diameter

UPPER	UPPER	BOTTOM	BOTTOM	UPPER	BOTTOM	UPPER	BOTTOM
Diameter	Delta	Accept	Diameter	Delta	Accept	Diameter	Delta
0.830	0.045	no	0.826	0.049	no	0.827	0.048
0.830	0.045	no	0.824	0.051	no	0.827	0.048
0.825	0.050	no	0.826	0.049	no	0.826	0.049
0.828	0.047	no	0.826	0.049	no	0.826	0.049
0.831	0.044	no	0.825	0.050	no	0.835	0.040
0.826	0.049	no	0.825	0.050	no	0.827	0.048
0.828	0.047	no	0.824	0.051	no	0.826	0.049
0.824	0.051	no	0.823	0.052	no	0.824	0.051
0.825	0.050	no	0.823	0.052	no	0.826	0.049
0.827	0.048	no	0.825	0.050	no	0.827	0.048
0.829	0.046	no	0.825	0.050	no	0.827	0.048
0.825	0.050	no	0.825	0.050	no	0.826	0.049
0.827	0.043	no	0.825	0.050	no	0.831	0.044
0.828	0.047	no	0.827	0.048	no	0.826	0.049
0.829	0.046	no	0.828	0.047	no	0.830	0.045
0.831	0.044	no	0.827	0.048	no	0.829	0.046
0.828	0.048	no	0.827	0.048	no	0.828	0.047
0.827	0.048	no	0.826	0.049	no	0.827	0.048
0.831	0.044	no	0.827	0.048	no	0.826	0.049
0.828	0.047	no	0.828	0.047	no	0.826	0.049
0.826	0.049	no	0.825	0.050	no	0.827	0.048
0.827	0.048	no	0.825	0.050	no	0.825	0.050
0.819	0.055	no	0.819	0.056	no	0.822	0.053
0.825	0.050	no	0.821	0.054	no	0.823	0.052
0.831	0.044	no	0.821	0.054	no	0.828	0.047
0.825	0.050	no	0.820	0.045	no	0.822	0.053
0.822	0.053	no	0.821	0.054	no	0.829	0.046
0.829	0.045	no	0.827	0.048	no	0.828	0.047
0.830	0.045	no	0.824	0.051	no	0.828	0.047
0.827	0.043	no	0.826	0.049	no	0.828	0.047

0.8263	average	0.8249	average	0.8255	average
0.0027	standard deviation	0.0024	standard deviation	0.0023	standard deviation

TABLE 5 continued

RECEIVED

NONCONFORMANCE REPORT

PAGE 1 OF 2

No. C-3

PROJECT NO. 7220

SKETCH ATTACHED Yes 7220-FSK-C-14

3. DATE 9 12 73 MO DAY YR

4. ITEM LOCATION El. 582'-6"	AREA BLDG. Reactor Bldg. #1	5. DWG/PART No. 7220-C-307	REV. 4	6. ITEM NAME Rebar Dowels	QNo. 1.11
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7. SECTION CRITERIA DWG SPEC OTHER (EXPLAIN) 7220-C-307 Rev. 4 Tendon Gallery Details

DOCUMENT NUMBER & TITLE

8. SOURCE: ENGRG. CONSTR. OTHER (EXPLAIN)

9. P.O. No. NA

10. No. 11. NONCONFORMANCE (DISCREPANCY) DESCRIPTION: ASME YES NO

(LIST SERIAL NUMBERS WHERE APPLICABLE)

1 Twenty-eight #9 rebar dowels extending from the tendon gallery inner wall to the Reactor Building #1 base slab were cut off at the concrete line (582'-6") in order to set certain columns for the support framing system. See attached 7220-FSK-C-14 for locations. See sheets 1 & 2 of Joseph T. Ryerson & Son, Inc. drawing SW 528626 for column identification.

12. NCR PREPARED BY: Responsible Engr. *M Grant* Date 9/12/73

CONCURRENCE: Responsible Lead Engr. *R. Dote* Date 9/13/73

13. FIELD DISPOSITION: REWORK REJECT ROUTE TO PROJECT ENGRG NOTIFY AUTHORIZED INSP. ROUTE TO MAT'L SUPV.

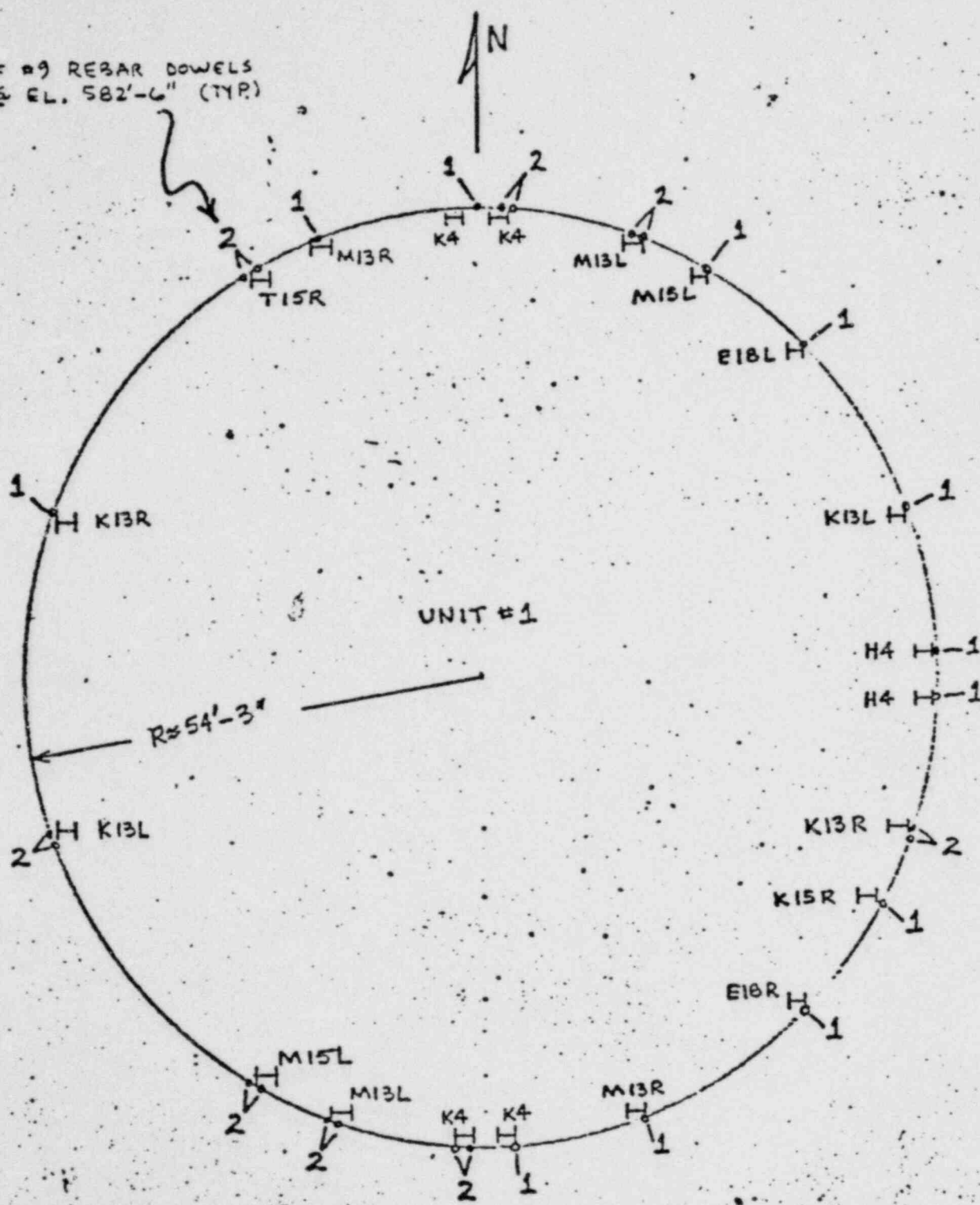
14. FIELD DISPOSITION BY: *M Grant* Date 9/12/73

APPROVAL OF FIELD DISPOSITION: PFE *John C. Valenzano* Date 9/13/73
CONCURRENCE AUTH. INSP.

15. ENGRG DISPOSITION: REPAIR REJECT DCN REQD: YES NO USE AS IS SEE BELOW DCN No. _____

16. APPROVAL OF ENGRG. PE _____ Date _____	17. REINSPECTION ACCEPT <input type="checkbox"/> Responsible Engr. _____ Date _____ REJECT <input type="checkbox"/> Responsible Lead Engr. _____ Date _____ CONCURRENCE: Auth. Insp. _____ Date _____
DISPOSITION PFE _____ Date _____	
CONCURRENCE AUTH. INSP. _____ Date _____	

NUMBER OF #9 REBAR DOWELS CUT OFF @ EL. 582'-6" (TYP.)



TOTAL NUMBER OF DOWELS INSTALLED — 457
 TOTAL NUMBER OF DOWELS CUT OFF — 28



NONCONFORMANCE REPORT

PROJECT NO. 7220

PAGE 1 OF 2

No. C-4

SKETCH ATTACHED

Yes

DATE 9-28-73 MO DAY Y

4. ITEM LOCATION <u>Containment #2 Liner</u>	AREA/BLDG.	5. DWG/PART No. <u>S-1-5-U-1</u>	REV.	6. ITEM NAME <u>Liner Plate Assembly</u>	QNo. <u>1.21</u>
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7. INSPECTION CRITERIA: DWG SPEC OTHER (EXPLAIN) 7220-C-50 Rev. 7 & Accessory Steel

DOCUMENT NUMBER & TITLE: Reactor Building Liner Plate

8. SOURCE: ENGRG. CONSTR. OTHER (EXPLAIN) Southern Boiler & Tank Works, Memphis, Tenn.

ADDRESS: Southern Boiler & Tank Works, Memphis, Tenn.

9. P.O. No. 7220-C-50

10. No.	11. NONCONFORMANCE (DISCREPANCY) DESCRIPTION: (LIST SERIAL NUMBERS WHERE APPLICABLE)	ASME YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
<u>1</u>	<u>S-1-5-2-1 Liner Plate</u> <u>Excessive weld metal was applied when attaching the 2" gas channel over the weld joining the two 40'-0" Liner Plate to make one 80'-0" Plate assembly. Part of the weld cracked after the assembly was prime coated. (See attached sketch.)</u>	

12. NCR PREPARED BY: Responsible Engr. C.F. Clark Date 9-28-73

CONCURRENCE: Responsible Lead Engr. R. Note Date 9-28-73

13. FIELD DISPOSITION: REWORK REJECT ROUTE TO PROJECT ENGRG
NOTIFY AUTHORIZED INSP. ROUTE TO MAT'L SUPV.

Field Recommendation:
Remove defective weld by grinding. Visually inspect channel and plate for further defect. Reweld in accordance with specification 7220-C-50. Test with liquid penetrant, and pressure test per C-50.

14. FIELD DISPOSITION BY: C.F. Clark Date 9-28-73

APPROVAL OF FIELD DISPOSITION: July C. [Signature] Date 9/28/73

PFE CONCURRENCE AUTH. INSP.

15. ENGRG DISPOSITION: REPAIR REJECT
USE AS IS SEE BELOW

DCN REQ: YES NO DCN No. _____

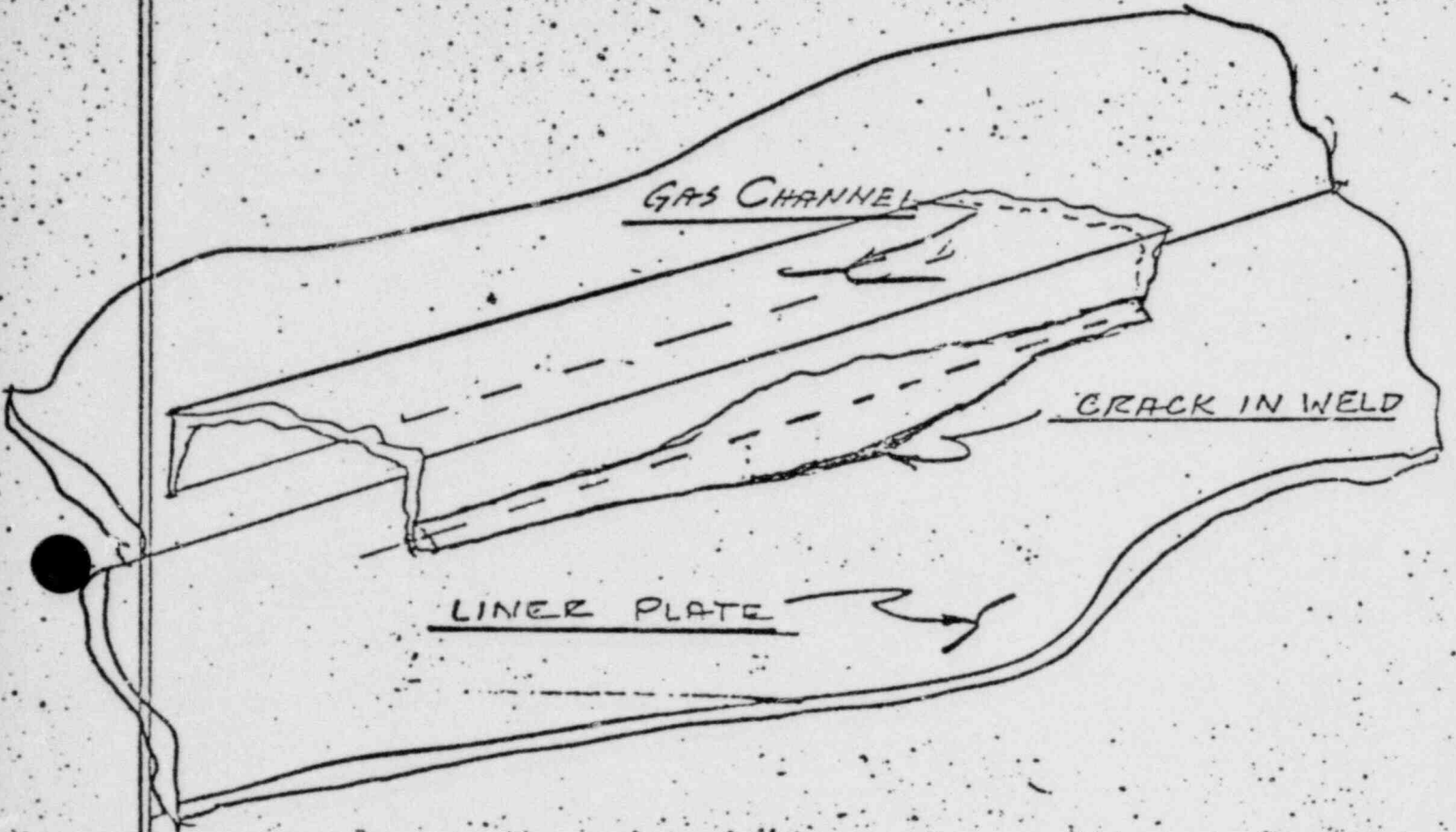
16. APPROVAL OF ENGRG. PE _____ Date _____
PFE _____ Date _____

17. REINSPECTION ACCEPT Responsible Engr. _____ Date _____
REJECT Responsible Lead Engr. _____ Date _____

DATE - 9 28-73

N R # C-4

SH. 2 OF 2





NONCONFORMANCE REPORT

PROJECT NO. 7220

SKETCH ATTACHED Yes

No. C-5
DATE 9 28 73 MO DAY YR

4. ITEM LOCATION Containment #2 AREA/BLDG. C-2AC 5. DWG/PART No. C-2AC REV. 6. ITEM NAME Trumplate Assembly QNo. 1.13

7. IDENTIFICATION CRITERIA DOCUMENT NUMBER & TITLE
DWG SPEC OTHER (EXPLAIN) NQAM III Paragraph 3b, number 7, page 2 of 2

SOURCE: ENGRG. CONSTR. OTHER (EXPLAIN) Chicago, Illinois ADDRESS Inland Ryerson Construction Products 9. P.O. No. 7220-C-2AC

10. No.	11. NONCONFORMANCE (DISCREPANCY) DESCRIPTION: (LIST SERIAL NUMBERS WHERE APPLICABLE)	ASME	YES	NO
<u>1</u>	<u>Trumplate Marked Numbers H-2, B-2, AK-2, AC-2, AM-2, AH-2, AL-2, AE-2, A2-2 DX, A23-DX, F2-2DY, U2-2DY, E2-1DX, AA, 2-1DX, G2-2DX AC2, 1DX, and AB2-1DX supplied by INRYCo in violation of documentation requirements. Specifically, Statement of Conformity required was titled Certificate of Compliance, other specifications not referenced other than through the purchase order number, specification revision number omitted. Statement that documentation meets requirements was not included, drawings not listed nor were drawing revisions.</u>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

12. NCR PREPARED BY: Responsible Engr. W. Grant Date 10/1/73 CONCURRENCE: Responsible Lead Engr. R. Grote Date 10/1/73

13. FIELD DISPOSITION: REWORK REJECT ROUTE TO PROJECT ENGRG NOTIFY AUTHORIZED INSP. ROUTE TO MAT'L SUPV.

Install as non-conforming item. Work to progress up to actual embedment in concrete. Concurrence to install -
1) Jerry C. Valenzuela PFE
2) John P. ...
3) ...

14. FIELD DISPOSITION BY: R. Grote Date 10/1/73 APPROVAL OF FIELD DISPOSITION: PFE Jerry C. Valenzuela Date 10/1/73
Jerry C. Valenzuela Date 10/1/73 CONCURRENCE AUTH. INSP.

15. ENGRG DISPOSITION: REPAIR USE AS IS REJECT SEE BELOW DCN RECD: YES NO DCN No.

5. APPROVAL OF ENGRG. DISPOSITION	PE <u> </u> Date <u> </u>	17. REINSPECTION	ACCEPT <input type="checkbox"/> Responsible Engr. <u> </u> Date <u> </u>
	PFE <u> </u> Date <u> </u>		REJECT <input type="checkbox"/> Responsible Lead Engr. <u> </u> Date <u> </u>
	CONCURRENCE <u> </u> Date <u> </u>		

STATUS OF QUALITY ASSURANCE AUDIT FINDINGS (QAF)

<u>QAF No.</u>	<u>STATUS</u>	<u>COMMENT</u>
From Construction audit July 17-19, 1973 (Audit No. C-1)		
001	Open	Corrective action time extended to 10-12-73
002	Open	Issued Management Corrective Action Report (MCAR-1)
003 - 011	Corrective action completed and verified	
012	Voided	
013 - 015	Corrective action completed and verified	

From Engineering audit September 5-9, 1973 (Audit No. E-2)

QA #1	Open	NCR issued. Corrective action due 10-19-73
QA #6	Corrective action completed and verified	
QA #18	Open	Corrective action due 10-19-73

- Notes
1. Bechtel Quality Assurance is developing a new numbering system for Quality Audit Findings to distinguish Construction, Engineering, and Procurement audits from one another. The new system will be implemented in the near future.
 2. QA #2 through #5 and QA #7 through #17 are not construction related and are, therefore, not reportable.

QUALITY AUDIT FINDING

SEP-7 73

003
 AUDIT DATE
 7-17-73
 SECTION
 3

PROJECT/COMPONENT/SELLER Midland 7220		TYPE OF AUDIT Systems	<input checked="" type="checkbox"/> FIELD <input type="checkbox"/> OFFICE	AUDITOR J. Dotson
ITEM 9	CHECKLIST ITEM	WHERE FOUND Quality Control	DISCUSSED WITH C. Kinney	
REGULATING DOCUMENT, SECTION, PARAGRAPH, ETC. NOAM Section V Number 6 Para. 2.5			SAME AS: 10CFR-50 Appendix B Criteria II	

"Chief field quality control engineer: prepares and implements, with the assistance of his staff and project field QCEs, a formal and continuous quality control training program which includes utilization of the field inspection manual."

No formal indoctrination/training program has been established or implemented at Midland.

Develop and implement an indoctrination/training program.

REGULS COMPLETION DATE 8/17/73	RESPONSIBILITY FOR CORRECTIVE ACTION D. R. Johnson/C. Kinney
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A - Continuous Indoctrination & Quality Control Training program has been established.
 See attached response P5PP#2
 9/25/73 ISSUED immediately

DATE COMPLETED 9/25/73	SUBMITTER'S RESPONSIBILITY <i>C. Kinney</i>	DATE 9/27/73
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QUALITY AUDIT FINDING

AUDIT NUMBER 10	010
AUDIT DATE	July 17, 1973
SECTION	10

FACILITY/AGENCY/STATEMENT/SELLER Midland 7220	TYPE OF AUDIT Systems	<input checked="" type="checkbox"/> FIELD <input type="checkbox"/> OFFICE	AUDITOR Lulich/Holub
CHECKLIST ITEM 1	WHERE FOUND Drawing Control	DISCUSSED WITH Frankowick	
REGULATING DOCUMENT, SECTION, PARAGRAPH, ETC. Field Inspection Manual G-2, paragraph 5.1		SAME AS: 	

"The Print Coordinator/Clerk shall assure that superseded drawings are withdrawn from use."

Many drawings on the Civil Stick File have been marked void and have not been removed.

Remove superseded drawings from use as required in Section G-2 of the Field Inspection Manual.

DATE COMPLETION DAT. 8/17/73	RESPONSIBILITY FOR CORRECTIVE ACTION E. Felton
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Superseded drawings have been removed from use.

FILED 120/73	SUBMITTED BY RESPONSIBLE AGENCY <i>Bert Kinning</i>	DATE 8/17/73
CORRECTIVE ACTION VERIFIED BY <i>Alan L. Richards</i>		



QUALITY AUDIT FINDING

AUDIT IDENT. 10
1
AUDIT DATE
Sept. 5, 1973
QA'S ITEM 11
20

PROJECT/DEPARTMENT/SELLER Midland 7220		TYPE OF AUDIT Engineering System		<input type="checkbox"/> FIELD	AUDITOR J. Dotson
QA ITEM 5	CHECKLIST ITEM 8	WHERE FOUND Civil Discipline	<input checked="" type="checkbox"/> OFFICE		DISCUSSED WITH C. Kinney
CONTROLLING DOCUMENT, SECTION, PARAGRAPH, ETC. Material Receiving Report No. 3435 & 3036			SAME AS S. PO 7220-C-2		

QUOTATION

"Documentation was reviewed and found satisfactory"

FINDING

A review by the auditor of the documentation supplied shows the following discrepancies:

- (1) Certificate of compliance supplied was signed by the supervisor of Quality Assurance for Inland Ryerson not by the appropriate individual in the manufacturer's organization.
- (2) Materials report of tests and analysis from Bethlehem Steel was signed by the Inland Ryerson QA Supervisor not by the appropriate individual from Bethlehem.
- (3) No traceability provided for anchorage assemblies.
- (4) G-321-D form required by 7220-C-33 not provided as part of documentation.

CORRECTIVE ACTION

- (1) Issue NCR for incorrect documentation
- (2) Institute immediately indoctrination/training classes for recognition of documentation deficiencies.

SCHEDULE COMPLETION DATE 9-11-73	RESPONSIBILITY FOR CORRECTIVE ACTION E. Felton
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CORRECTIVE ACTION TAKEN

DATE COMPLETED	SUBMITTED BY RESPONSIBLE AUTHORITY
CORRECTIVE ACTION VERIFIED BY QAE	DATE

QUALITY AUDIT FINDING

AUDIT DATE

9-6-73

AAS ITEM NO

PROJECT/COMPONENT/SELLER

Midland 7220

TYPE OF AUDIT

Engineering Systems

FIELD

OFFICE

AUDITOR

J. Dotson

QA ITEM

CHECKLIST ITEM

WHERE FOUND

DISCUSSED WITH

5

6

Field

J. Southard

LINE DOCUMENT, SECTION, PARAGRAPH, ETC.

SAME AS I.

General Requirements for Supplier Quality Assurance Programs 7220-G-20 (Attachment to C-39)

"The Quality Assurance Program requirements for the elements listed above are described in American National Standards Institute (ANSI) 45.2 - 1971"

ANSI 45.2 Paragraph 9 requires "where identification marking is employed, the marking shall be clear, unambiguous and indelible . . ."

Reinforcing steel was shipped to the field with paper tags and non indelible markings.

CORRECTIVE ACTION

- (1) Appraise Inland Ryerson of their failure to meet ANSI - 45.2 requirements and require immediate implementation of new tagging system, and
- (2) Indoctrinate/train shop and field inspections in ANSI 45.2 requirements and
- (3) Retag material in field.

COMPLETION DATE

9/24/73

RESPONSIBILITY FOR CORRECTIVE ACTION

" E. Rye/J. Southard/E. Felton is to do corrective action (2) only

CORRECTIVE ACTION TAKEN

(2) Quality Control Engineer's and Field Engineers had received Indoctrination & Training and will continue to receive Indoctrination on Material Receiving Field Inspection. A continuous Training Program has been established at Jobsite since August 1973.

) All materials in field have been retaged.

COMPLETED

9/28/73

SUBMITTED BY RESPONSIBLE PARTY

" *[Signature]* "



QUALITY AUDIT FINDING

AUDIT IDENT. 19	18
AUDIT DATE	9/7/73
AAS ITEM 20	

PROJECT/DEPARTMENT/SELLER Midland		TYPE OF AUDIT 2 Engineering	<input type="checkbox"/> FIELD <input checked="" type="checkbox"/> OFFICE	AUDITOR 4 J. Dotson
IDA ITEM 2	CHECKLIST ITEM 4	WHERE FOUND 3 Field Engineering	DISCUSSED WITH 7 T. Valenzano	
CONTROLLING DOCUMENT, SECTION, PARAGRAPH, ETC. 10-CFR-50 Appendix B Criteria III			SAME AS I. 9	

10 QUOTATION

"The Design Control Measures shall provide for verifying or checking the adequacy of Design. . . ."

11 FINDING

Procedures for control of field engineering design review of vendor drawings have not been developed or implemented for field controlled/purchased materials equipment or services.

12 CORRECTIVE ACTION

Develop/Implement Design Review procedures for Vendor Design Review.

13 SCHEDULE COMPLETION DATE 9/28/73	14 RESPONSIBILITY FOR CORRECTIVE ACTION E. Felton
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15 CORRECTIVE ACTION TAKEN

16 DATE COMPLETED	17 SUBMITTED BY RESPONSIBLE AUTHORITY
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18 CORRECTIVE ACTION VERIFIED BY GAE	DATE
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