

50-329
50-330

PRINCIPAL STAFF			
A	nos	DRP	
D/RA		DE	
A/RA		DRMSP	
RC		ORNA	
PAO		SCS	
SGA		ML	
ENF		FTI	nos

Long 3

STONE AND WEBSTER MICHIGAN, INC.
P.O. BOX 1963, MIDLAND, MICHIGAN 48640

DATE	2-28-84
J. O. NO.	14509
P. O. NO.	N/A
LTR. NO.	Swm-035
REF.	N/A

VIA

TO D. L. QUAMME, CPCo Midland (site)

DEAR SIRs:

THE FOLLOWING ARE ☒ ATTACHED: ☐ SENT SEPARATELY:

COPIES	PRINTS	REPRODUCIBLES	MICROFILM APERTURE CARDS
<input type="checkbox"/> DRAWINGS	<input type="checkbox"/> SPECIFICATIONS	<input type="checkbox"/> NOTES OF CONFERENCE	
<input type="checkbox"/> DOCUMENTS			

STATUS		PLEASE NOTE	SENT FOR YOUR	
<input type="checkbox"/> FINAL	<input type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> APPROVAL	<input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> USE	<input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input checked="" type="checkbox"/> FILES	<input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input checked="" type="checkbox"/> CLOSED			

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: ☐ FABRICATION ☐ PURCHASE OF NECESSARY MATERIALS

☐ PLEASE REVISE AND SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS.

☐ PLEASE SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS OF ☐ DOCUMENTS ☐ DRAWINGS ☐ SHOP DETAIL

☐ PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

☐ PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

☐ WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US.

IMPORTANT SHOULD ANY REVISION TO DOCUMENTS OR DRAWINGS RETURNED HERewith INVOLVE A PRICE INCREASE THE SUPPLIER MUST NOTIFY STONE & WEBSTER PURCHASING DEPARTMENT WITHIN TEN (10) DAYS EVEN THOUGH A DEFINITE ESTIMATE CANNOT BE GIVEN AT THE TIME OTHERWISE, THE PURCHASER WILL CONSIDER THE REVISIONS MADE WITHOUT COST.

The following Closed CIO Item/Hold Point Notification(s) is (are) attached for your action/information:

Item 035

8403130173 840228
PDR ADDCK 05000329
S PDR

J. E. Karr
CIO Program Manager

cc: JGKeppler, US NRC
JHarrison, US NRC
RJCook, US NRC
RAWells, CPCo
CIO Site File (2)
APAmoruso
NIREichel, CPCo

MAR 8 1984

IEU

STONE & WEBSTER
CONSTRUCTION IMPLEMENTATION
OVERVIEW
MIDLAND NUCLEAR PLANT J.O. NO. 14509

REFERENCE(S) CIO Weekly Report Number 22 (Item Initiation)

ITEM NUMBER 035 HOLD POINT NUMBER

- ☒ TRACKED ACTION ITEM
☐ TRACKED INFORMATION ITEM
☐ TRACKED RECOMMENDATION ITEM
☐ UNTRACKED ITEM
☐ HOLD POINT NOTIFICATION

CONDITION DETAILS

During a CIO Walkdown of Small Bore (Instrument Air) KAC Systems, drawing FSK-J-30-0220, Sheet 2, Rev 7, it was observed that dielectric isolation spacers for galvanic protection of copper pipe to galvanized steel pipe supports were missing in some areas of this system. This inconsistency was pointed out to CPCo personnel who will perform the required research and take corrective action.

Explanation: As described in CIO Weekly Report No. 25, while investigating this item, it was determined that the governing document for installation of the support components is described on an Interoffice Memorandum dated 5/4/79, from A. J. Boos to Field Engineers and Mechanical Supts. Since the portion of the instrument air system in consideration is Non-Q the hardware portion of this item was referred to CPCo for resolution. However, the

(Continued on Sheet 2 of 2)

☐ YES (PAGE NO.'S) ☒ NO

ATTACHMENTS

DATE RESPONSE REQ'D. N/A	Initiation Date 11/14/83 INITIATOR/DATE N/A	INITIATION APPROVED/DATE N/A
-----------------------------	---	---------------------------------

RESPONSE

CPCo response to this item was received via Transmittal No. C5C-7267 on February 14, 1984 (Attachment 1).

J. E. Karr
 J. E. Karr
 CIO Program Manager

☒ YES (PAGE NO.'S) 26 ☐ NO

ATTACHMENTS

EST. CORRECTIVE ACTION COMPLETION DATE N/A	RESPONDENT N/A	TITLE N/A	DATE N/A
---	-------------------	--------------	-------------

RESPONSE ACCEPTED <i>J. E. Karr</i>	DATE 2-28-84	RESPONSE VERIFIED/CLOSED <i>J. E. Karr</i>	DATE 2-28-84
--	-----------------	---	-----------------

CONDITION DETAILS (continued)

method of promulgating job requirements used (e.g. by memorandum) should be reviewed by CPCo to ascertain that requirements for systems are only issued through authorized controlled documents such as specs. and drawings.

Note: While this item was initiated prior to the utilization of this reporting format, this report now becomes the vehicle for item closure. Information for various blocks is not applicable in this case and is indicated as such.

CPC-004

CONSUMERS POWER COMPANY
MIDLAND ENERGY CENTER

CIO Item 035
Attachment 1
Sheet 1 of 26

Transmittal No: CSC- 7267

Date: February 14, 1984

To: Stone & Webster
P O Box 1963
Midland, MI 48640

Attached Is: ☐ Partial Response To
☒ Complete Response To
☐ For Your Information
☐ Other

Description:

Observation 035, Report 22 - The following attached correspondence provides our complete response to this observation:

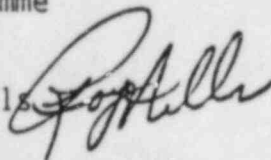
- 1) RAWells to DLQuamme Correspondence dated 2/6/84.
- 2) Bechtel Letter BCCC-8985 dated 2/3/84.
- 3) Bechtel Letter BCCC-8955.
- 4) CPCo Letter Serial 27286 dated 1/17/84.
- 5) QAR RA-00062.

Signature:

MI Reichel

cc: JGKeppler, NRC Region III w/o
JJHarrison, NRC Region III w/o
RJCook, NRC Site w/o
RAWells, MPQAD w/o
BHPeck, MEC w/o
NIRichel, MEC w/o
DDJohnson, MEC w/a

TO DLQuamme

FROM RAWells 

DATE February 6, 1984

SUBJECT MIDLAND ENERGY CENTER PROJECT -
DESIGN CHANGE CONTROL
FILE 5.3

**Consumers
Power
Company**

INTERNAL
CORRESPONDENCE

CC

-
- References:
- 1) CPCo letter, RAWells to JARutgers dated 1/17/84,
Serial #27286.
 - 2) BPCo letter, GAHierzler to DLQuamme dated 1/31/84,
BCCC-8955.
 - 3) BPCo letter, GAHierzler to DLQuamme dated 2/3/84,
BCCC-8985.

References 2 and 3 satisfactorily establish the fact that the project's position prohibits the use of informal design change documents in lieu of formal documentation.

In addition, corrective action associated with QAR RA-00062 should insure that this policy is clearly understood throughout the project and that any informal design change practices have been stopped and appropriate corrective action has been taken.

jld

Bechtel Power Corporation

Post Office Box 2167
Midland, Michigan 48640
February 3, 1984



Consumers Power Company
P.O. Box 1963
Midland, Michigan 48640

Attention: D. L. Quamme
Site Manager

Midland Plant Units 1 & 2
Bechtel Job 7220
DESIGN CHANGE CONTROL
BCCC-8985

- References: 1) CPCo letter, R.A. Wells to J.A. Rutgers dated 1/17/84,
serial #27286.
2) BPCo letter, G.A. Hierzer to D.L. Quamme dated 1/31/84,
BCCC-8955

Dear Mr. Quamme:

The following is a supplement to Reference 2) BPCo letter, G.A. Hierzer
to D.L. Quamme, dated 1/31/84, BCCC-8955.

There have been incidences in the past where IOM's, TWX's, etc., have
been used to modify design and these cases have been corrected.

In addition, QAR RA-00062, which cite's an incident in the Ann Arbor
office involving changes to FCR/FCNs, is in process of being re-
sponded to at this time.

The QIP Bulletin statement confirming our position on this subject
was distributed to all Project personnel (i.e. Ann Arbor, Resident
Engineering and Site Personnel) during the week of January 30, 1984.

Very truly yours,

A handwritten signature in dark ink, appearing to read "G. A. Hierzer", written over a circular stamp.
G. A. Hierzer
Site Manager

A handwritten signature in dark ink, appearing to read "GAH", written above the typed name.
GAH/OER/ajd

cc: N. Reichel
R. Wells

Bechtel Power Corporation

Post Office Box 2167
Midland, Michigan 48640



Consumers Power Company
P.O. Box 1963
Midland, MI 48640

Attention: D.L. Quamme
Site Manager

Midland Plant Units 1 & 2
Bechtel Job 7220
DESIGN CHANGE CONTROL
BCCC-8955

References: 1) CPCo letter, R.A. Wells to J.A. Rutgers dated 1/17/84,
serial #27286

Dear Mr. Quamme:

The referenced letter requested that we confirm our position on the use of IOM's, Resident Engineer's Memoranda, etc. in lieu of formal design change documents. It is the policy of Bechtel Power Corporation on Midland Energy Center, Units 1 and 2 that IOM's, TWX's, Resident Engineer's Memoranda, telecons, etc. shall not be used for construction or inspection in lieu of a formal design change document.

This policy will be emphasized in a quality bulletin to be distributed to all Bechtel project personnel during the week of January 30, 1984. The quality bulletin statement is attached.

Very truly yours,

G.A. Hierzer
G.A. Hierzer
Site Manager

GAH/WTP/pjt
012608fl

Written Response Requested: No

Attachment: Quality Bulletin Statement

QUALITY BULLETIN STATEMENT

It is extremely important that all Bechtel Power Corporation personnel understand that under no circumstances shall IOM's, TWX's, Resident Engineer's Memoranda, telecons, etc. be utilized on Midland Energy Center, Units 1 & 2, for construction or inspection in lieu of formal design change documents. If you have any questions, please contact your supervisor.

Bechtel Power Corporation

Post Office Box 2167
Midland, Michigan 48640



QUALITY BULLETIN NO. 2

January 30, 1984

It is extremely important that all Bechtel Power Corporation personnel understand that under no circumstances shall IOM's, TWX's, Resident Engineer's Memoranda, telecons, etc. be utilized on Midland Energy Center, Units 1 & 2, for construction or inspection in lieu of formal design change documents. If you have any questions, please contact your supervisor.

A handwritten signature in cursive script, appearing to read "M. A. Dietrich".

M. A. Dietrich
Site Quality
Supervisor

A handwritten signature in cursive script, appearing to read "J. T. Minor".

J. T. Minor
Project Field
Engineer

A handwritten signature in cursive script, appearing to read "T. C. Valenzano".

T. C. Valenzano
Site Construction
Manager

A handwritten signature in cursive script, appearing to read "G. A. Hierzer".

G. A. Hierzer
Site Manager



6
S/W
CIO
Jenkins

CIO Item 035
Attachment 1
Sheet 7 of 26

Roy A Wells
Executive Manager
Quality Assurance Department
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8608

January 17, 1984

Mr J A Rutgers
Project Manager
Bechtel Power Corporation
777 East Eisenhower Parkway
P O Box 1000
Ann Arbor, MI 48106

MIDLAND ENERGY CENTER PROJECT -
DESIGN CHANGE CONTROL
FILE 5.3 SERIAL 27286

Stone and Webster has raised the question of whether memoranda (IOM, REM, etc.) are being used for clarification or modification of project technical requirements when more formal means (FCR, FCN, SCN, etc.) should actually be used.

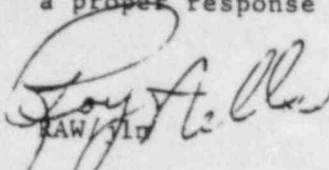
Attachment 1 makes a reference to this subject. This attachment is a page from the 12/8/83 Public Meeting minutes as transmitted by Stone and Webster to the NRC (J J Harrison) on 12/15/83. Attachment 2, from CIO Report 24, was the first reference to this subject and relates to the same dielectric spacer issue noted in Attachment 1. Attachment 3, from CIO Report 25, also addresses this issue.

In addition, QAR RA-00062 has recently been issued which includes examples of the use of IOMs to correct or modify FCR/FCNs. These were noted during the FCR/FCN resolution process.

This subject has received attention at the last two public meetings. Consumers Power has assured the NRC that project procedures do not allow the use of IOM, REM, etc. in lieu of formal design change documents.

I am requesting that you confirm this position and conduct whatever review you feel to be appropriate to verify that "informal" design change practices are not being used.

Please provide me with a written response prior to 2/7/84 so that we can have a proper response available for the next public meeting.


RAW/jlt

CC WRBird, P14-418
JWCook, P26-336B
RJEhardt, P14-113A
DLQuamme, Midland

MIDLAND PROJECT
QUALITY ASSURANCE DEPARTMENT

QUALITY ACTION REQUEST

6. QAR NO: RA-00062

7. DATE ISSUED:
1/15/84

8 REV:
0

1. REQUIREMENT: PEP 4.62.1, paragraph 6.0 states in part; "If a project engineering-approved FCR/FCN is later found unacceptable the responsible engineer shall issue an engineering change document(s) (DCN/SCN/IDCN) or a drawing/specification revision to correct (Continued on Page 2)

9. PAGE 1 OF 2

10. ASME RELATED

☐ YES

☒ NO

2. DEFICIENCY: Changes have been made to the remarks section of approved FCRs and FCNs via interoffice memos. These memos 1) did not go through the same approval cycle as the FCR or FCN they changed; 2) were not distributed on site in accordance with the procedure governing controlled document distribution; and 3) the changes to these FCRs and FCNs were not done via controlled document revision or distribution. Page 2 lists some examples of FCRs and FCNs affected by this practice. The impact of this practice on site documents and (Continued on Page 2)

11. POTENTIAL 50.55(e)

YES ☐ NO ☐

3. QAR ORIGINATED BY:
BCarter

4. DISCIPLINE/DIVISION/SECTION
MPQAD/PAE/ELEC

5. RESPONSE DUE DATE
2/15/84

12. REPORTED TO MPQA
MANAGER:
DATE

13. ACTION ITEM NO:

15. ITEM PRIORITY:

17. S/U CODE:

19. ACTION ORGANIZATION

20. QAR REVIEWED BY:

14. DISCIPLINE:

16. TREND CODE:

18. RESB CODE:

21. DATE:

22. CAUSE:

23. PROPOSED CORRECTIVE ACTION:

24. RESPONSIBLE ORGANIZATION/PERSON:

25. PROPOSED COMPLETION DATE

26. DISPOSITION CONCURRENCE:

QAR REVIEWER

DATE

PQAE (ASME ONLY)

DATE

27. DISPOSITION ACTION TAKEN:

28. METHOD OF DISPOSITION VERIFICATION

29. QAR CLOSED BY

MPQAD

DATE

PFOCE (ASME ONLY)

DATE

ACCEPTABLE ☐

UNACCEPTABLE ☐

SUPERCEDING QAR

QUALITY ACTION REQUEST
CONTINUATION SHEET

QAR NO: RA-00062	Cio Item 035 Attachment 1 Sheet 9 of 20	
DATE: 1/15/84	REV: 0	
PAGE 2 OF 2		

1. REQUIREMENTS (CONT): the discrepant FCR/FCN. The "Reason for Change" section of the change document or the specification or the drawing revision block must clearly state the affect of the correction on the FCR/FCN, e.g., "FCR/FCN ABC written against Drawing C-100(Q) is instead being incorporated into Drawing C-101(Q) via this DCN." or "This change supersedes FCR/FCN ABC."
2. DEPCIENCY (CONT): Field installations is that Document Control does not have access to these memos to correct FCR/FCN distribution to the applicable drawing.

FCP	MEMO DATED	MEMO NO.	FCN	MEMO DATED	MEMO NO.
C-2249	10/06/82	08868?*	C-2054	07/15/82	077599
C-2334	10/06/82	08868?	C-3639	10/10/?	131056
C-3794	10/06/82	08868?	E-7364	12/22/82	099007
C-4139	12/01/82	096427			
C-5204	01/25/83	102626			
C-5231	01/25/83	102626			
C-5466	09/20/83	129009			
C-6254	10/04/83	129931			
C-6402	10/04/83	129931			
E-3230	01/26/83	102854			
J-321	09/22/82	085918			
J-622	10/13/82	79322			
M-6551	02/03/83	104018			

* "?" - numbers not legible on copy of memos.

*Advanced
Copy*



MEMORANDUM

88683

TO: M. BARREKA / LIZ KELLEY

LOCATION: PROJ. ADMIN.

FROM: S. SOBKOWSKI / C. KEGELMANN

DATE: 10-6-82

SUBJECT: MAPPER CORRECTION

REF: 7220

① FCR C-3794 WAS INCORP. ON DWG. C-830 AS STATED
ON THE FCR. NO CHANGE TO BE MADE TO DWG. C-1161

② FCN C-2249 AND FCN C-2334 WILL BE INCORP.
ON NEXT ISSUE OF DWG. C-830. NO CHANGE WILL BE
MADE TO DWG. C-1161.

Carl F. Kegelman

AMF 8808

96427

Clo Item 035
Attachment 1
Sheet 11 of 26

MEMORANDUM

M. BACARICH / W. KELLEY

S. SOBKOWSKI / C. KEGELMANN

LOCATION PROJ ADMIN

DATE 12-1-82

MAPPER CORRECTION

JOB NO 7220

FILE

FCR C-4139 IS SHOWN AS AN OUTSTANDING ITEM TO
DUG C-1046-1. THIS IS INCORRECT.
THIS FCR WAS INCORP. ON DUG C-1044 & C-1045 ONLY

Carl F. Kegelmann

1984



U.S. ARBOR

ClO Item 035
Attachment 4
Sheet 12 of 26

102626

MEMORANDUM

1. PREPARED BY LIZ KELLEY LOCATION PROJ ADMIN
SSCBROSKI / CARL KEGELMANN DATE 1-25-83
MAPPER CORRECTION JOB NO 7220
FILE

FGR C-5204 AND C-5231 SHOW OUTSTANDING TO
DWG. C-404. THIS IS INCORRECT.

THE FGR'S WILL BE INCORPORATED ON DWG. C-404-3

Carl F. Kegelmann

This distribution form is completed by Communication Control Center for incoming internal communications. Further distribution within the entity/group is the responsibility of the entity/group. Changes and additions to standard distribution should be brought to the attention of the OCC supervisor.

DISTRIBUTION INFORMATION FOR INCOMING COMMUNICATIONS

Project Name INDIANO

Job No. 7229

102626

Date Received _____

Written Response Required? Yes ☒ No ☐

Com Control No. _____

Date Due _____

Entity/Group	Resp Code	Written Resp	Action	Info	Attach	Adm. Cntr
PROJECT MANAGER	M1					
Assistant Project Manager	M2					
Assistant Project Manager	M3					
PROJECT ADMINISTRATOR MHB	PA			✓		
CONSTRUCTION COORDINATOR	CT					
DIV SVCS COST/SCHED SUPV	DS					
PROJECT ENGINEERING MGR	PE					
ANIM ARBOR PROJECT ENGINEER	PE					
PROJECT ENGINEER - SOILS	PE					
APE Licensing & Safety	P7					
ENGR COORD Nuc, Mech, Pnt Dsgn	P3					
APE Civil, Architectural, REC	P2 & P4					
APE Spcl Assignment & Rys	PE					
ENGRG COORD, Elect & Com Sys						
Engrg Startup Coordinator	ST					
Mechanical	MD					
Nuclear Systems	NU					
Plant Design	PD					
Electrical	ED					
Control Systems	JD					
Civil Structural	CD					
Civil Svcs	SD					
Architectural	AD					
Quality Engineering	QE					
Geotechnical Coordinator	GT					
Lead Engineering Planner	EP					
Senior Engineering Planner						
Cost Trend Engineer	ZA					
RESIDENT PROJECT ENGINEER	PS					
APE Resident	PS					
APE-SPMG Supervisor	PS					
ENGINEERING MANAGER	EM					
FIELD CONSTRUCTION						
LEGAL						
PROCUREMENT MANAGER	PR					
STARTUP	SU					
QUALITY ASSURANCE	QA					
DOCUMENT CONTROL CENTER L. Kelly	DC			I		
COMM CONTROL CENTER						

MEMORANDUM

129009

TO L. STANLEY / LIZ KELLEY LOCATION PROJ. ENGR
FROM P. REGUPATHY / CARL KEGELMANN DATE 9-20-83
SUBJECT MAPPER CORRECTION JOB NO 7220

FILE

FCR C-5466 IS SHOWN OUTSTANDING TO DWG. C-140.
THE FCR CANNOT BE INCORP. ON DWG. C-140.
FCR C-5466 WILL BE INCORP ON DWG. C-148.

- Carl F. Kegelman
FOR P. REGUPATHY

UERR- NO
Comm use - N-A

129931

MEMORANDUM

L. STANLEY / LIZ KELLEY LOCATION PROJ. ADMIN
P. REGUPATHY / CARL KEGELMANN DATE 10-4-83
MAPPER CORRECTION JOB NO 7220

FILE

FCR C-6254 SHOWS OUTSTANDING TO DWG. C-489
THIS IS INCORRECT. NO DWG. CHANGE TO ANY DWG.
WILL BE MADE.

FCR C-6402 SHOWS OUTSTANDING TO DWG C853
THIS IS INCORRECT. DWG C-853 WILL NOT BE REVISED.
DWG. C-3039 WILL BE REVISED.

Carl F. Kegelman
FOR P. REGUPATHY

WRR: No
Can Use: N/A



ANN ARBOR

102854

MEMORANDUMCio Item 035
Attachment 1
Sheet 16 of 26

TO M. BAKARICH LOCATION ANN ARBOR
FROM M. RISTEVICH / JOHN KOVACH DATE JANUARY 26 1983
SUBJECT INCORPORATION OF FCR #E3230 JOB NO 7220
FILE N/A

THE LIST OF MIDLAND CHANGE NOTICES FOR INCORPORATION DATED 1-17-83 SHOWS FCR #E3230 AGAINST DWG. J201-181, WHICH IS TO ADD A 20 PT. STATES BLOCK TO PANELS K+2L25. HOWEVER, DWG J201-181 IS FOR PANELS 1C11-1C21. THE CORRECT DWG FOR WHICH FCR #E3230 IS TO BE AGAINST IS DWG. J201-291 AND NOT J201-181.

YOU ARE, THEREFORE, REQUESTED TO TAKE NECESSARY ACTION TO REVISE THE LIST OF MIDLAND CHANGE NOTICES TO REFLECT THIS NEW INFORMATION.

JOHN KOVACH

not yet -
SK

COPY TO:

K. SIMPSON, J. KOVACH, M. RISTEVICH

T.E. SHEPPARD, L. KRISHNASAMI

K. VICTORSCAN

W.R.B. - NO

COM LOG USE: N/A

11-156

* REVISION OF 10-8-82.

CIO Item 035
Attachment 1
Sheet 17 of 26

MEMORANDUM

85918

M.N. BAKARICH / LEO KELLY

PROV. ADMIN

S. SOBODZSKI / CARL KRELLMANN

DATE 9-22-82

MAPPER CORRECTION

7220

FCR J-321 IS SHOW. TO DWG C-495 & C-496.
IT WILL NOT BE INCORP TO THESE DWG.*

FCR J-321 WAS GENUALLY INCORP ON DWG C-497 REV. 1

Carl

C10 Item 035
Attachment 1
Sheet 13 of 16

This distribution form is completed by Communication Control Center for incoming internal communications. Further distribution within the group is the responsibility of the originating group. Changes and additions to standard distribution should be brought to the attention of the CCC manager.

DISTRIBUTION INFORMATION FOR INCOMING COMMUNICATIONS

Report Name ISPLAND

85918

Page 722

Received

Response Required? Yes

No

Ctrl Control No. '82 SEP 22 PM 2 52

Due

Entity / Group	Resp Code	Written Resp	Action	Info	Attach	Adtl Distr
PROJECT MANAGER	M1					
Assistant Project Manager	M2					
Ass. ant Project Manager	M3					
PROJECT ADMINISTRATION	PA			✓		
CONSTRUCTION COORDINATOR	CT					
SVCS COST/SCHED SUPV	DB					
PROJECT ENGINEERING MGR	P1					
AF30R PROJECT ENGINEER	P6					
APE Licensing & Safety	P7					
ENGR COORD Nuc. Mech. Pnt Dgn	P3					
APE Cnvl. Architectural, P&C	P2 & P4					
APE Special Assignments & RVS	P8					
APE Plant Fill	P8					
Engrg Startup Coordinator						
Mechanical	LIN					
Nuclear Systems	NU					
Plant Design	PO					
Electrical	ED					
Cont Sys	JD					
Civil Structural	CD					
Civil Soils	SD					
Architectural	AD					
Quality Engineering	QE					
Geotechnical Coordinator	GT					
Engineering Planner	EP					
Senior Engineering Planner						
Cost Trend Engineer	ZA					
RESIDENT PROJECT ENGINEER	P5					
APE Resident	P5					
APE SPHG Supervisor	P5					
ENGINEERING MANAGER	EM					
ELD CONSTRUCTION						
LEGAL						
PROCUREMENT MANAGER	PR					
STARTUP	SU					
QUALITY ASSURANCE	QA					
DOCUMENT CONTROL CENTER	DC			✓		
CONTROL CENTER				X		
C. Elec + CS						

USES OUT

AM NUMBER

MENTS

FILE CODE

0300

PO/SPEC

Bechtel Associates Professional Corporation

Inter-office Memorandum

89322

MEMO-6772

Date October 13, 1982

Cl. Item 935
Attachment 1
Sheet 1 of 16

To Lee E. Davis

Subject Midland Plant Units 1 and 2
Bechtel Job 7220
DESIGN REVIEW OF SPECIFICATION
7220-J-293(Q) TO INCLUDE
TWO-HOLE ATTACHMENTS
Copy Distribution

From E.M. Hughes

Of Engineering

At Ann Arbor

Reference IOM, B.R. Klein to E.M. Hughes, 10/1/82 (Com 087828)

In accordance with the referenced memorandum, it has been determined that the addition of design criteria for two-hole attachments to Specification 7220-J-293(Q) is not feasible. This decision is due to asymmetrical bolt patterns, nonuniform loading conditions, and numerous installation restrictions, which make it possible for only one bolt to be subjected to full load.

All the above stated variables must be considered in the design in accordance with project design criteria. If two-hole attachments are required, field engineering should submit a field change request to resident engineering for approval on a case-by-case basis. By copy of this memorandum, M. Batarich is informed that Specification 7220-J-293(Q) will not be revised as required by approved FCR J-622, and that all HAPPER references to FCR J-622 should be removed. If you have any questions, contact D. Van Wagenen at Extension 7539.

E.M. Hughes

GS/JDH/cs(J)
10/7/83

Copy Distribution:

J.M. Anderson
M.E. Eyster
E.M. Hughes
W.M. Lai (PMK)
B.C. McConnell
D. Remick (PMK)
D. Van Wagenen
J-5510.3

Written Response Requested: No

Com Use: NA



AIR ARBOR

CIO Item 035
Attachment 1
Sheet 20 of 26

104018 MEMORANDUM

TO M. BAKARON / LIZ KELLEY LOCATION PROJ. ADMIN
FROM S. SOBROWSKI / CARL KEGELMAN DATE 2-3-83
SUBJECT MAPPER CORRECTION JOB NO. 7220

FCR M-6551 SHOWS A CHANGE TO C-205 IS REQ'D.
THIS IS NOT CORRECT.
THE FCR M-6551 WILL BE INCORP. ON DWG. C 255

Carl Kegelmann

C10 Item 035
Attachment 1
on within the Sheet
on of the CCC
21 of 2

104018

John Doe 7829

Date Received:

Written Response Required?

Yes

36

Corn Control No.

Date Due

CLOSES OUT _____
COMM NUMBER _____ FILE CODE 0300/2842 PO: SPEC _____
COMMENTS _____



ANN ARBOR

029704

MEMORANDUM

CIO Item 035
Attachment 1
Sheet 12 of 16

TO M. BACKARICH / LIZ KELLEY LOCATION PROJ. ADMIN
FROM S. SOROKOWSKI / CARL KEGELMANN DATE 10-5-82
SUBJECT MAPPER CORRECTION JOB NO. 7220

THE FOLLOWING ITEMS ARE INCORP. ON NEW
DRAWING C-1129 (Q) REV. 0:

1. DCN #3 TO DWG C-146
 2. FCN C-2513 TO DWG C-146
 3. DCN #2 TO DWG C-148
 4. FCR A-277, A-278 TO DWG C-146
 5. FCR C-3875 & C-4098 TO DWG C-146
 6. ITEM 1 TURN 5 WILL NOT BE INC. IN DWG C-146 & C-148
- THIS MEMO SUPERCEDES MEMO COMM. # 79533
PARTIALLY

Carl Kegelmann

This distribution form is completed by Communication Control Center for incoming/internal communications. Further distribution within the entity/group is the responsibility of the entity/group. Changes and additions to standard distribution should be brought to the attention of the CCC supervisor.

Old Item 035
Attachment 2
Sheet 23 of 24

DISTRIBUTION INFORMATION FOR INCOMING COMMUNICATIONS

Project Name INDLAND

Job No 7200

Date Received _____

Written Response Required? Yes ☒ No ☐

Com Control No _____

Date Due _____

02 JUL 15 PM 12 57

Entity/Group	Resp Code	Written Resp	Action	Info	Attach	Adtl Distr
PROJECT MANAGER	M1					
Assistant Project Manager	M2					
Assistant Project Manager	M3					
PROJECT ADMINISTRATOR <i>MMS</i>	PA			✓		
CONSTRUCTION COORDINATOR	CT					
DIV SVCS COST/SCHED SUPV	DS					
PROJECT ENGINEERING MGR	P1					
ANN ARBOR PROJECT ENGINEER	P6					
APE Licensing & Feasibility	P7					
ENGR COORD. Nuc, Mech, Plant Design	P3					
APE Civil, Architectural, P&C	P2 & P4					
APE Special Assignments & RVS	P8					
APE Plant Fill	P5					
Engrg Startup Coordinator	ST					
Mechanical	MD					
Nuclear Systems	NU					
Plant Design	PD					
Electrical	ED					
Cont Sys/Instrumentation	JD					
Civil Structural	CD					
Civil Soils	SD					
Architectural	AD					
Quality Engineering	OE					
Geotechnical Coordinator	GT					
Lead Engineering Planner	EP					
Senior Engineering Planner						
Cost Trend Engineer	ZA					
RESIDENT PROJECT ENGINEER	PS					
APE Resident	PE					
APE SPNG Supervisor	PS					
ENGINEERING MANAGER	EM					
FIELD CONSTRUCTION						
LEGAL						
PROCUREMENT MANAGER	PR					
STARTUP	SU					
QUALITY ASSURANCE	QA					
DOCUMENT CONTROL CENTER	DC					
COMM CONTROL CENTER						
EC EKC + CS <i>JA</i>				✓		
<i>L. Kelly</i> <i>PDCC</i>				✓		

CLOSING OUT

COMM NUMBER _____

FILE CODE _____

0300

PO/SPEC _____

COMMENTS _____



ANN ARBOR

77599

MEMORANDUMCIG Item 035
Attachment 1
Sheet 24 of 26

TO: M. N. BAKARICH
FROM: STEVE SOBKOINSKI / CIVIL-STRUCT
SUBJECT: FCN C-2054
DATE: 7-15-82
7220

REMARKS FOR FCN C-2054 STATES THAT FCN WILL BE INCORP
ON DWG. C-144 DET 16.

DWG C-144 IS A CIVIL STANDARDS TYPICAL DETAIL DRAWING.

DETAIL 16 ON DWG. C-144 CANNOT BE REVISED AS THIS DETAIL

~~IS USED~~ IS USED IN MANY PLACES THRUOUT THE PLANT.

FCN C-2054 WILL BE INCORP. ON DWG C-251 WHERE THE
CHANGE APPLIES.

FCN C-2054 ATTACHED FOR REFERENCE

SSch
STEVE SOBKOINSKI

WRITTEN RESPONSE REQUESTED: No
COMM. USE - N/A.

CC: Larry Davis
Diana Barkhaus
Myrna Martinez
Katherine Simpson

413

MEMORANDUM

131056

TO: L. STANLEY / LIZ KELLEY LOCATION: PROJ. ADMIN
FROM: P. REGUPATHY / CARL KEGELMANN DATE: 10-10
SUBJECT: MAPPER CORRECTION JOB NO: 7220
FILE

FCN C-3639 IS SHOWN OUTSTANDING TO DWG. C-743
AND ~~C-756~~ C-756. THIS IS INCORRECT.

THIS FCN WILL NOT BE INCORPORATED ON ABOVE
DWGS OR ANY OTHER DOCUMENT. PLEASE REMOVE
REFERENCES FROM MAPPER.

Carl F. Kegelman
FOR R. REGUPATHY.

WRR - NO

COMM USE - N/A



AFB AIRBOR

C10 Item 035
Attachment 1
Sheet 26 of 26

099007

MEMORANDUM

TO M. BAKARICH LOCATION 6A3
FROM J. G. KOVACH DATE 12/22 82
SUBJECT INCOOP. OF FCN OR 7220
FILE EA-0290

FCN # E7364 APPROVED 11-12-82 CANNOT BE
INCORPORATED INTO DWS. E-6098 SH.2 & E-610(S)
SH.2

THIS FCN SHOULD HAVE BEEN WRITTEN AGAINST IDON
6098 AND CANNOT BE INCOOP. UNTIL IDON IS
APPROVED

and
WRR: NO

COMM. USE: N/A

M. Singh
for J. Kovach

CC L. ADAMSON
B. GIERADA
K. VICTORSON