

START

0023327

ENGINEERING CHANGE NOTICE

Page 1 of 6

1. ECN ~~X5920X~~
Proj. ECN B-714-107

2. ECN Category (mark one)
- Supplemental
 - Direct Revision
 - Change ECN
 - Temporary
 - Supersedure
 - Discovery
 - Cancel/Void

3. Originator's Name, Organization, MSIN, and Telephone No.

T. K. Ehrhard, KEH, E6-42, 6-0415

4. Date

11-25-91

5. Project Title/No./Work Order No.

See Block 12

6. Bldg./Sys./Fac. No.

218-E-16

7. Impact Level

3 / SC-2

8. Document Number Affected (include rev. and sheet no.)

See Block 12

9. Related ECN No(s).

B-714-94 & -97

10. Related PO No.

N/A

- 11a. Modification Work
- Yes (fill out Blk. 11b)
 - No (NA Blks. 11b, 11d)
- UNKNOWN c. 11d)

11b. Work Package
• Doc. No.

UNKNOWN

11c. Complete Installation Work

Cog. Engineer Signature & Date

11d. Complete Restoration (Temp. ECN only)

Cog. Engineer Signature & Date

12. Description of Change

Items 2 thru 11	SC-3
Item 1	SC-2 & SC-3

Block 5: B-714, Grouted Waste Disposal Facilities/ER8007

Block 8: Specification ~~B-714-C2, Rev 1~~ (V-B714C2-003)

Drawings

H-2-77581, Sh 3, Rev 1	H-2-78457, Sh 3, Rev 1
H-2-77582, Sh 1, Rev 1	H-2-78458, Sh 1, Rev 1
H-2-77598, Sh 1, Rev 1	H-2-78458, Sh 3, Rev 0
H-2-78451, Sh 1, Rev 1	H-2-78459, Sh 1, Rev 1
H-2-78457, Sh 1, Rev 1	H-2-78459, Sh 2, Rev 1

1) SPEC B-714-C2, SECTION 01400

Article 1.7 Schedule of Hold, Receiving and Witness Points. ADD the following to MECHANICAL Chemical Process Piping Systems:

- Off-Site* W - All liquid penetrant testing
- On-Site W - All liquid penetrant testing

DESCRIPTION OF CHANGES
CONTINUED ON SUCCEEDING PAGES



- 13a. Justification (mark one)
- Criteria Change
 - Design Improvement
 - Environmental
 - As-Found
 - Facilitate Const.
 - Const. Error/Omission
 - Design Error/Omission

13b. Justification Details

(CE): NCR #87. Contractor cast riser 2.5' off of design dimension. [Item 6 & 8 thru 11]. Modified bolt spacing provides adequate temp-support of ext. drain path until placement of diffusion material [Item 3 & 5]. (DE): Witness points added to Section 01400 to support requirements noted in Section 15493 pg 19 [Item 1]. Dimension error for topping slab [Item 2 & 7]. (2) pipe supports indicated at sloped pipe area and only one is required [Item 4].

14. Distribution (include name, MSIN, and no. of copies)

<u>KEH DISTRIBUTION</u>	J. S. Hill	H4-57
Const Doc Cntl E2-50	K. S. McCullough	N1-83
	D. B. Powell [4]	R4-03
<u>WHC DISTRIBUTION</u>	T. W. Staehr (PE)	R3-27
Project Files R1-28	J. E. Vanbeek	R3-27
J. K. Epperley R1-29	G. H. Weissberg	R3-10
T. K. Cordray S1-54	<u>DOE</u>	
STA 10 A3-87	A. G. Lassila	A5-18
STA 6 T2-03		
Lupa GARZA A3-80		

RELEASE STAMP

OFFICIAL RELEASE 2

BY WHC

DATE DEC 09 1991

93127601406

ENGINEERING CHANGE NOTICE

15. Design Verification Required

Yes

No

16. Cost Impact

ENGINEERING	CONSTRUCTION
Additional <input checked="" type="checkbox"/> \$ <u>1000</u>	Additional <input checked="" type="checkbox"/> \$ <u>0.00</u>
Savings <input type="checkbox"/> \$ _____	Savings <input type="checkbox"/> \$ _____

17. Schedule Impact (days)

Improvement NA

Delay _____

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD <input type="checkbox"/> Functional Design Criteria <input type="checkbox"/> Operating Specification <input type="checkbox"/> Criticality Specification <input type="checkbox"/> Conceptual Design Report <input type="checkbox"/> Equipment Spec. <input type="checkbox"/> Const. Spec. <input type="checkbox"/> Procurement Spec. <input type="checkbox"/> Vendor Information <input type="checkbox"/> OM Manual <input type="checkbox"/> FSAR/SAR <input type="checkbox"/> Safety Equipment List <input type="checkbox"/> Radiation Work Permit <input type="checkbox"/> Environmental Impact Statement <input type="checkbox"/> Environmental Report <input type="checkbox"/> Environmental Permit <input type="checkbox"/>	Seismic/Stress Analysis <input type="checkbox"/> Stress/Design Report <input type="checkbox"/> Interface Control Drawing <input type="checkbox"/> Calibration Procedure <input type="checkbox"/> Installation Procedure <input type="checkbox"/> Maintenance Procedure <input type="checkbox"/> Engineering Procedure <input type="checkbox"/> Operating Instruction <input type="checkbox"/> Operating Procedure <input type="checkbox"/> Operational Safety Requirement <input type="checkbox"/> IEFD Drawing <input type="checkbox"/> Cell Arrangement Drawing <input type="checkbox"/> Essential Material Specification <input type="checkbox"/> Fac. Proc. Samp. Schedule <input type="checkbox"/> Inspection Plan <input type="checkbox"/> Inventory Adjustment Request <input type="checkbox"/>	Tank Calibration Manual <input type="checkbox"/> Health Physics Procedure <input type="checkbox"/> Spares Multiple Unit Listing <input type="checkbox"/> Test Procedures/Specification <input type="checkbox"/> Component Index <input type="checkbox"/> ASME Coded Item <input type="checkbox"/> Human Factor Consideration <input type="checkbox"/> Computer Software <input type="checkbox"/> Electric Circuit Schedule <input type="checkbox"/> ICRS Procedure <input type="checkbox"/> Process Control Manual/Plan <input type="checkbox"/> Process Flow Chart <input type="checkbox"/> Purchase Requisition <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/>
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19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number/Revision
_____	_____	_____
_____	_____	_____
_____	_____	_____

20. Approvals

	Signature	Date		Signature	Date
OPERATIONS AND ENGINEERING			ARCHITECT-ENGINEER		
Cog./Project Engineer	<u>M. Stehr</u>	<u>12/5/91</u>	PE	<u>K.C. Burgard</u>	<u>12/3/91</u>
Cog./Project Engr. Mgr	<u>R. Van B...</u>	<u>12/5/91</u>	QA	<u>A.R. Green</u> ^{12/2/91} COA: <u>A. Debb...</u>	<u>12-3-91</u>
QA	<u>J.R. ...</u>	<u>12/5/91</u>	Safety	<u>D. Lundgren</u>	<u>11-27-91</u>
Safety	_____	_____	Design	<u>ENVIR: R. ...</u>	<u>11-26-91</u>
Security	_____	_____	Other	<u>STRL: M. ...</u>	<u>11-26-91</u>
Proj. Prog./Dept. Mgr.	_____	_____	PIPING:	<u>Mark McLean</u>	<u>11-26-91</u>
Def. React. Div.	_____	_____	SPECS:	<u>J.E. Breed</u>	<u>11/26-91</u>
Chem. Proc. Div.	_____	_____	ENVIR/PLE:	<u>R. ...</u>	<u>11/26/91</u>
Def. Wst. Mgmt. Div.	_____	_____	DEPARTMENT OF ENERGY		
Adv. React. Dev. Div.	_____	_____	_____		
Proj. Dept.	_____	_____	_____		
Environ. Div.	_____	_____	ADDITIONAL		
IRM Dept.	_____	_____	_____		
Facility Rep. (Ops)	_____	_____	_____		
Other	_____	_____	_____		
_____	_____	_____	_____		
_____	_____	_____	_____		

(Continuation of Block 13b): SAFETY CLASS 2 ITEM DOES NOT IMPACT THE INTEGRITY OF THE ORIGINAL FACILITY DESIGN [Item 1].

(Continuation of Block 12):

- 2) H-2-77581, Sh 3, Rev 1 (affects ECN B-714-94, pg 9)
Concrete Topping Plan: Change 54.25' to 56.75'
- 3) H-2-77582, Sh 1, Rev 1 (affects ECN B-714-97, pg 4)
Section B: Modify - See page 4 of this ECN.
- 4) H-2-77598, Sh 1, Rev 1
Plan (ZE7): Modify - see page 5 of this ECN.
- 5) H-2-78451, Sh 1, Rev 1 (affects ECN B-714-97, pg 4)
Section B: Modify - see page 4 of this ECN.
- 6) H-2-78457, Sh 1, Rev 1
Plan (ZC3): Modify - see page 6 of this ECN.
- 7) H-2-78457, Sh 3, Rev 1 (affects ECN B-714-94, pg 12)
Concrete Topping Plan: Change 54.25' to 56.75'
- 8) H-2-78458, Sh 1, Rev 1
Plan (ZD4): Pictorially move Riser #40 2.5 feet South from present location (Riser should line up horizontally with Riser #34).
- 9) H-2-78458, Sh 3, Rev 0
Vault 104 Table (ZF5): Change North Coordinate for Riser #40 to N40293.75
- 10) H-2-78459, Sh 1, Rev 1
Plan (ZC4): Pictorially move Riser #40 2.5 feet South from present location (Riser should line up horizontally with Riser #34).
- 11) H-2-78459, Sh 2, Rev 1
Riser Table (ZC7): Change North Coordinate for Riser #40 to N40293.75

REGISTERED ENGINEERING REVIEW

ENVIRONMENTAL (Item 3 & 5)

STRUCTURAL (Item 2 and 6 thru 11)


PIPING (Item 1 & 4)

Ronald G. Hollenbeck
12-6-91

Mian A. Hao
12.6.91



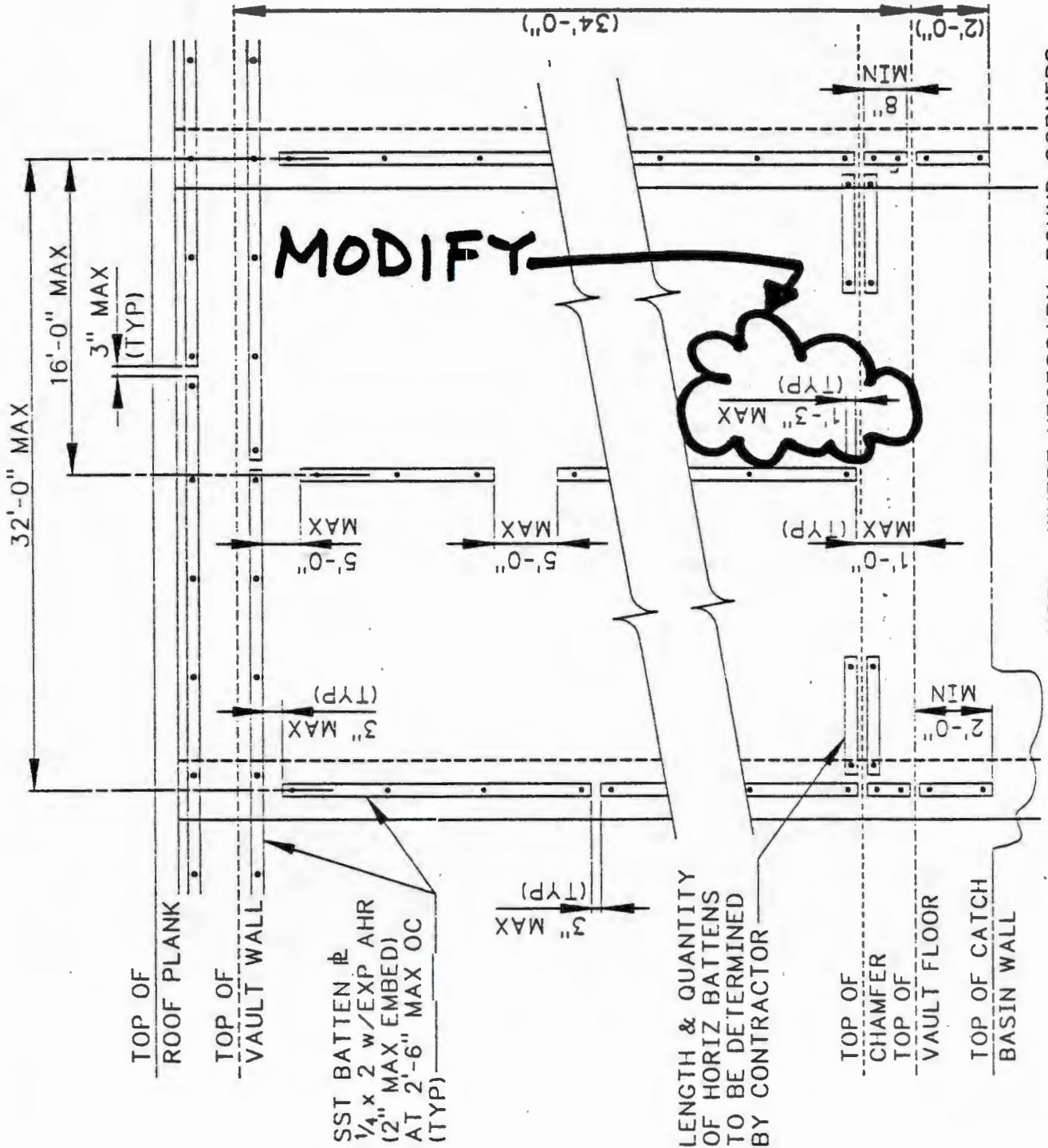
Albert W. Bjorkedal
12/6/91
EXPIRES 7/18/92



Ref.Dwg. ECN B-714-97	Sh. 4	Rev. N/A	Prepared By. TK EHRHARD	Checked By. <i>[Signature]</i>	ECN No. B-714-107	Page 4 6
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REFERENCE DWG H-2-77582, SH 1, REV 1 and H-2-78451, SH 1, REV 1

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NOTE: WHERE NECESSARY, ROUND CORNERS OF BATTEN PLATE OR PLACE 60 MIL HDPE RUB SHEET UNDER BATTENS TO PREVENT DAMAGE TO CURTAIN.

Ref. Dwg.
H-2-77598

Sh.
1

Rev.
1

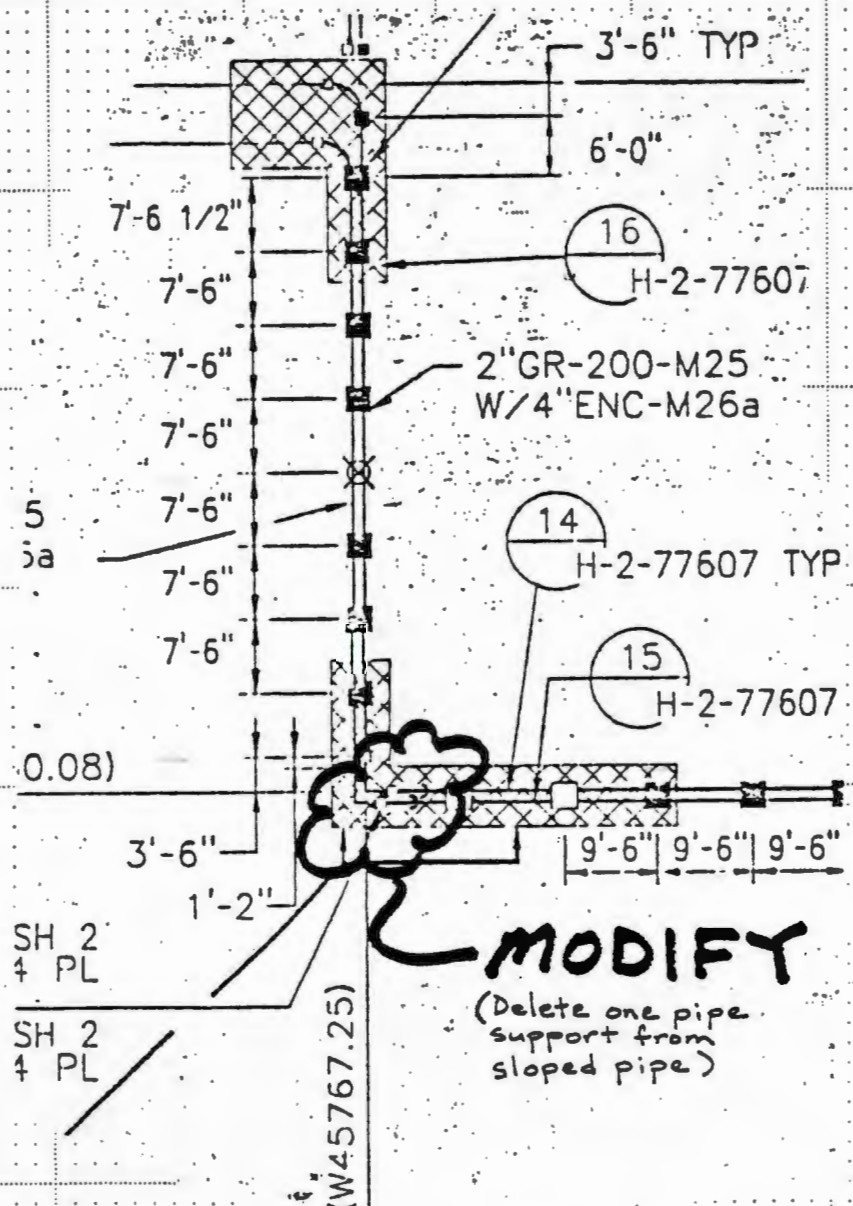
Prepared By
T.K. Ehrhard

Checked By
Mark McLean

ECN No.
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9
3
1
2
7
6
0
1
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1
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Ref. Dwg. H-2-78457	Sh. 1	Rev. 1	Prepared By T.K. Ehrhard	Checked By <i>M. J. ...</i>	ECN No. B-714-107	Page 6/6
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