

START

0032687

16

Mr. John Grantham
State of Washington
Department of Ecology
Nuclear & Mixed Waste Program
P.O. Box 47600
Olympia, WA 98504-7600

FLUOR DANIEL, INC.



Date: JUNE 2, 1993

Reference: Hanford Waste Vitrification Plant
DOE Contract DE-AC06-86RL10838
Fluor Contract 8457

Transmittal No.: WDOE-450

Dear Mr. Grantham:

TRANSMITTAL

We enclosed 2 controlled copies of the items listed below. These are issued per US-DOE request.

Response due to Fluor: N/A
Responds to: N/A

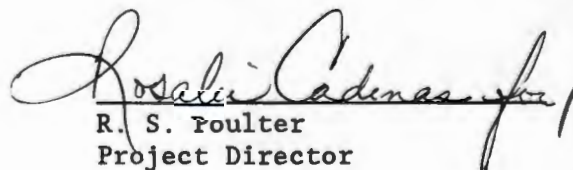
NUMBER	REV	DATE	TITLE
SEE TRANSMITTAL ATTACHMENT			GENERAL ARRANGEMENT TABLE OF CONTENTS & DRAWINGS
CONTROLLED COPIES: #25 & #26			PLEASE REMOVE OLD REVISIONS AND TABLE OF CONTENTS FROM YOUR GA MANUAL AND REPLACE WITH THE ATTACHED REVISIONS. TO ACKNOWLEDGE RECEIPT OF THE DOCUMENTS LISTED ABOVE, PLEASE SIGN AND DATE A COPY OF TRANSMITTAL FORM AND MAIL TO: FLUOR DANIEL HWVP - EDC - 513J 3333 MICHELSON DRIVE IRVINE, CA 92730

REFERENCE: FRP-979, FUP-487

Distribution:

R. L. Long: DOE-RL w/o
TWP/AME Corresp Cntrl Cntr, MSIN A5-10
(GENERAL ARRANGEMENT), w/o
P. Felise, WHC-RL (MSIN G6-16) w/o
Environmental Data Management Center
(MSIN H4-44) w/1 #31
D. Duncan, US EPA, Region X w/o

Very truly yours,


R. S. Foulter
Project Director

RSP:NDK:dw

JRL FOR NDK



TRANSMITTAL ATTACHMENT

DRAWING NUMBER	SHT NO.	REV	DATE	DRAWING TITLE
H-2-118023	01	9	05/25/93	GA VITRIFICATION BUILDING FIRST FLOOR PLAN - SOUTH END
H-2-118024	01	9	05/25/93	GA VITRIFICATION BUILDING FIRST FLOOR PLAN - NORTH END
H-2-118038	01	7	05/25/93	GA VITRIFICATION BUILDING TUNNEL LEVEL FLOOR PLAN AT SHIPPING AND RECEIVING AREAS
H-2-118039	01	7	05/25/93	GA VITRIFICATION BUILDING FIRST FLOOR PLAN AT SHIPPING AND RECEIVING AREAS
H-2-118040	01	4	05/25/93	GA VITRIFICATION BUILDING ROOF PLAN AT SHIPPING AND RECEIVING AREAS
H-2-118050	01	5	05/25/93	GA VITRIFICATION BUILDING EAST ELEVATION - NORTH END
H-2-118054	01	6	05/25/93	GA VITRIFICATION BUILDING NORTH ELEVATION
H-2-118056	01	6	05/25/93	GA VITRIFICATION BUILDING SECTIONS AT SHIPPING AND RECEIVING AREAS
H-2-118057	01	5	05/25/93	GA VITRIFICATION BUILDING ELEVATIONS AT SHIPPING & RECEIVING AREAS

9413092-0554

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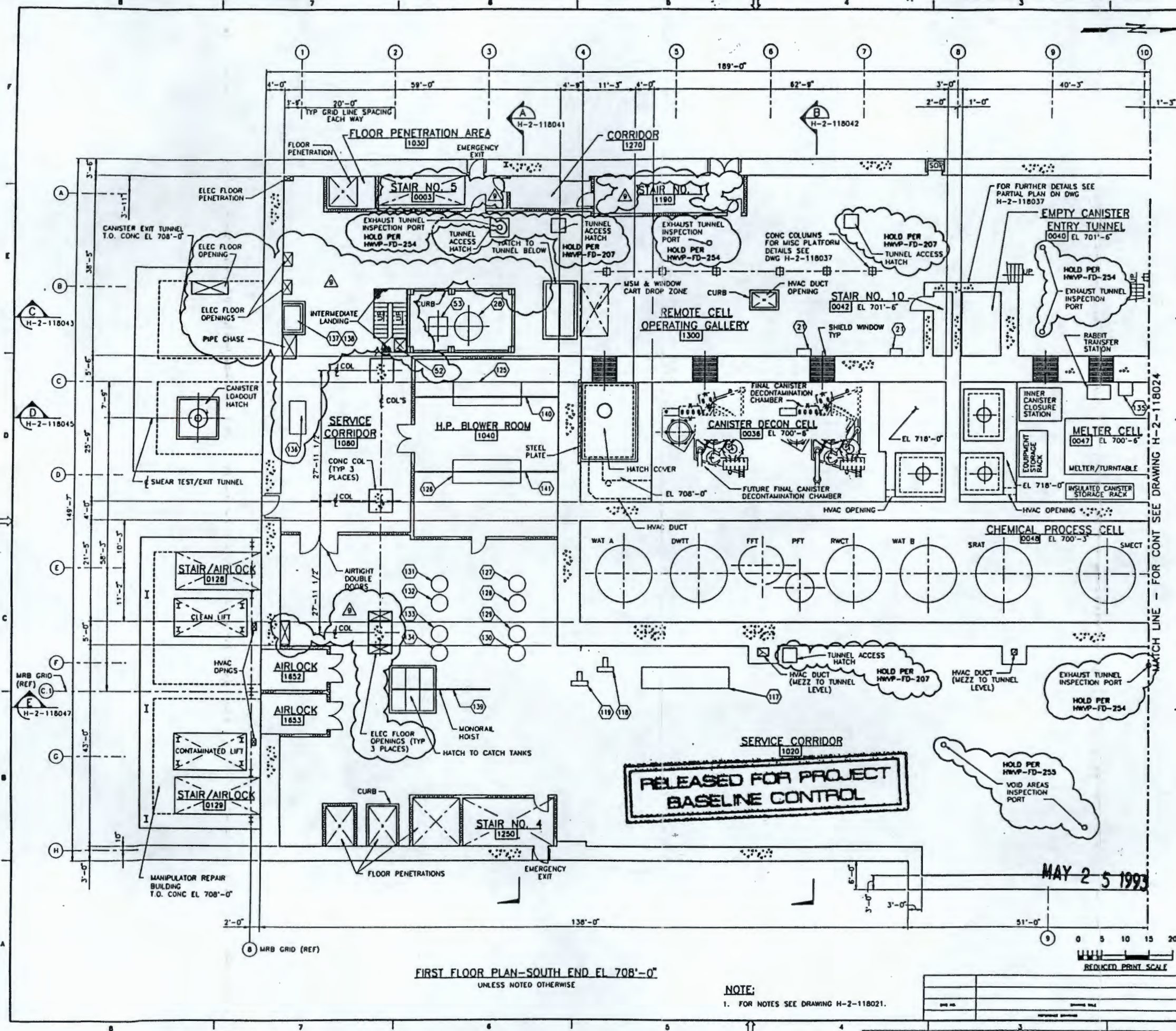
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H-2-118078	01	3	GA MANIPULATOR REPAIR BUILDING EXTERIOR ELEV & BLDG SECTION	3103
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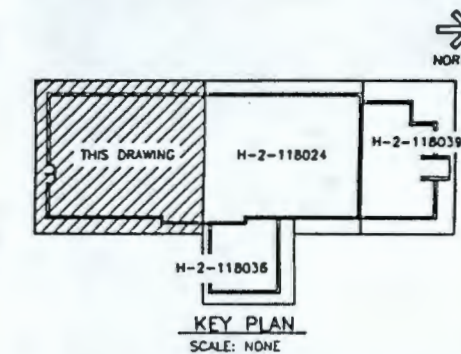
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H-2-118200	02	00	GA OPERATIONS CONTROL/REGULATED ENTRANCE BUILDING ROOM FINISH SCHEDULE	3103
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H-2-118200	04	00	GA VITRIFICATION BUILDING FIRST FLOOR/MEZZANINE ROOM FINISH SCHEDULE	3103
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6550-2606146



EQUIPMENT LIST		
ITEM #	EQUIPMENT NUMBER	DESCRIPTION
21	---	7'-0" CDC CRANE CONTROL PANEL/BAY (2-TOTAL)
28	TH-540-003	14'-0" DECON FRST SLURRY FEED TANK
32	---	8'-0" SAFETY 3-WAYER
83	SU-540-003	--- DUST SLUMP
117	PF-052-721	8'-6" HMC SUPPLY PLENUMS
118	BL-052-731	4'-0" HMC SUPPLY FAN
119	BL-052-732	4'-0" HMC SUPPLY FAN
120	VP-620-001HA	6'-0" VIT BLDG = HPS VACUUM BLOWER
126	PM-620-001VB	6'-0" VIT BLDG = HPS VACUUM BLOWER
127	PM-620-001HA	3'-0" VIT BLDG = HPS HMC SYS HEPA FILTER
128	PM-620-001VB	3'-0" VIT BLDG = HPS HMC SYS HEPA FILTER
129	PM-620-001VC	3'-0" VIT BLDG = HPS HMC SYS HEPA FILTER
130	PM-620-001VD	3'-0" VIT BLDG = HPS HMC SYS HEPA FILTER
131	PM-620-001VE	3'-0" VIT BLDG = HPS HMC SYS HEPA FILTER
132	PM-620-001WF	3'-0" VIT BLDG = HPS HMC SYS HEPA FILTER
133	PM-620-001VG	3'-0" VIT BLDG = HPS HMC SYS HEPA FILTER
134	PM-620-001WH	3'-0" VIT BLDG = HPS HMC SYS HEPA FILTER
135	SR-830-001	--- GLASS ARCHIVE SAMPLE RACK
136	WE-170-001-CX	8'-1" PMS NITROGEN BOOSTER COMPRESSOR
137	WE-170-001-PE	--- PMS HYDRAULIC SYSTEM PUMP
138	WE-170-001-VV1	--- PMS HYDRAULIC SYSTEM RESERVOIR
139	MR-060-002	--- MONORAIL HOIST
140	MR-060-040	--- MONORAIL HOIST
141	MR-060-060	--- MONORAIL HOIST

[illegible]

REF NO. DATE		OFFICE DESCRIPTION		OFFICIAL SYMBOL	
ENGINEERING RELEASE				U.S. DEPARTMENT OF ENERGY Nuclear Reactors Office DE - ICRO-DAL 10030	
REV. _____ DATE _____					
ENC. _____					
INVENTOR		DATE			
BY: J. GIBBONS		9/5/70		 FLUOR DANIEL, INC. ADVANCED TECHNOLOGY DIVISION GENERAL ARRANGEMENT VTRIFICATION BUILDING FIRST FLOOR PLAN—SOUTH END MANHOLE WEST VTRIFICATION PLANT	
D CHAWLA		9/5/70			
F BROOKS		9/5/70			
J SMETS		9/1/70			
H KEENAN		9/1/70			
R KUMAR		9/21/70			
G KULLANOFF		9/21/70			
J GOODE		9/21/70		B-595 845724 3104	
T HORVATH		9/21/70		1'8" = 1'-0" 1	
NONE		NOT RECD		H-2-18023 1 1 1 9	
		AUTOCAD		81180234 05/17/83 LCO	

FIRST FLOOR PLAN - NORTH END EL 708'-0"
UNLESS NOTED OTHERWISE

NOTE:
1. FOR NOTES SEE DWG H-2-118021

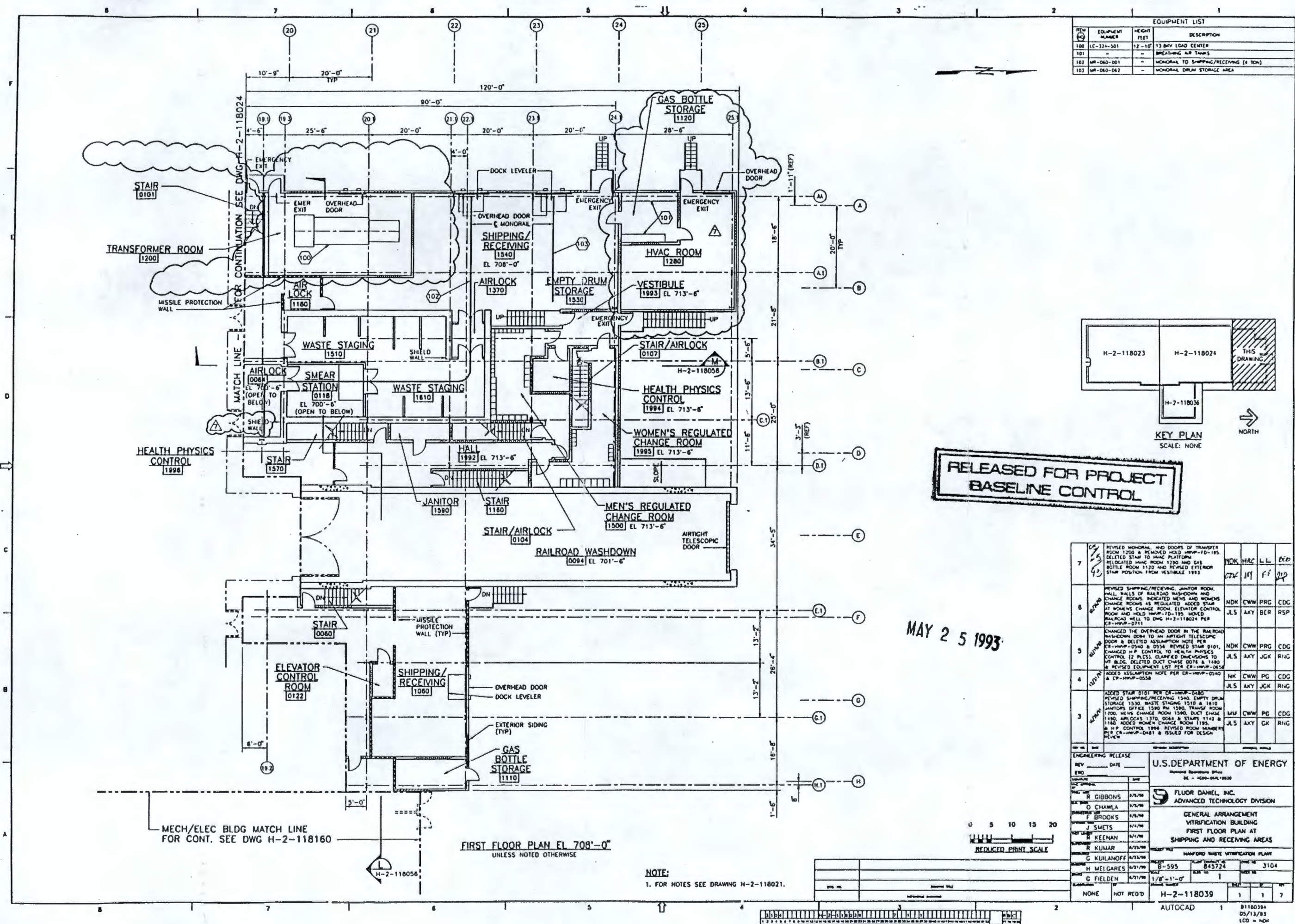
REV	EQUIPMENT NUMBER	HEIGHT	DESCRIPTION
11	PX-480-D01 A	2'-0"	MELTER COOLING WATER PUMP
12	PX-480-D01 B	2'-0"	MELTER COOLING WATER PUMP
13	EX-480-D01 A	3'-0"	MELTER COOLING WATER COOLER
14	EX-480-D01 B	3'-0"	MELTER COOLING WATER COOLER
15	TN-480-D01	8'-0"	MELTER COOLING WATER TANK
46	CS-430-D01V	29'-0"	ELECTRIC STEAM GENERATOR
49	PX-540-D18	2'-0"	NITRIC ACID DECON FEED PUMP
50	PX-540-D21	2'-0"	DILUTE ACID DECON FEED PUMP
61	CS-430-D01V-PH-1A	8'-0"	CIRCULATING PUMP
62	CS-430-D01V-PH-1	8'-0"	BLOWDOWN DRUM
63	CS-430-D01V-PH-2	5'-0"	CHEMICAL ADDITION TANK
64	CS-430-D01V-PH-3	2'-0"	BOILER FEED WTR CHEMICAL INJECTION PUMP
65	TN-430-D02	5'-0"	PROCESS CONDENSATE COLLECTION TANK
67	PX-430-D01A	2'-0"	PROCESS CONDENSATE PUMP
68	PX-430-D01B	2'-0"	PROCESS CONDENSATE PUMP
135	SR-630-D01	—	GLASS ARCHIVE SAMPLE RACK
136	CS-430-D01V-PH-1B	8'-0"	CIRCULATING PUMP
137	MR-060-D1D	—	HORIZONTAL HOIST
138	—	8'-0"	SAFETY SHOWER

KEY PLAN
RELEASED FOR PROJECT BASELINE CONTROL

NO.	DATE	REVISION	BY	CHKD	APP'D	DESCRIPTION
1	11/2/83	1	JLS	MC	PRG	BEB
2	11/2/83	2	JLS	MC	PRG	BEB
3	11/2/83	3	JLS	MC	PRG	BEB
4	11/2/83	4	JLS	MC	PRG	BEB
5	11/2/83	5	JLS	MC	PRG	BEB
6	11/2/83	6	JLS	MC	PRG	BEB
7	11/2/83	7	JLS	MC	PRG	BEB
8	11/2/83	8	JLS	MC	PRG	BEB
9	11/2/83	9	JLS	MC	PRG	BEB
10	11/2/83	10	JLS	MC	PRG	BEB
11	11/2/83	11	JLS	MC	PRG	BEB
12	11/2/83	12	JLS	MC	PRG	BEB
13	11/2/83	13	JLS	MC	PRG	BEB
14	11/2/83	14	JLS	MC	PRG	BEB
15	11/2/83	15	JLS	MC	PRG	BEB
16	11/2/83	16	JLS	MC	PRG	BEB
17	11/2/83	17	JLS	MC	PRG	BEB
18	11/2/83	18	JLS	MC	PRG	BEB
19	11/2/83	19	JLS	MC	PRG	BEB
20	11/2/83	20	JLS	MC	PRG	BEB
21	11/2/83	21	JLS	MC	PRG	BEB
22	11/2/83	22	JLS	MC	PRG	BEB
23	11/2/83	23	JLS	MC	PRG	BEB
24	11/2/83	24	JLS	MC	PRG	BEB
25	11/2/83	25	JLS	MC	PRG	BEB
26	11/2/83	26	JLS	MC	PRG	BEB
27	11/2/83	27	JLS	MC	PRG	BEB
28	11/2/83	28	JLS	MC	PRG	BEB
29	11/2/83	29	JLS	MC	PRG	BEB
30	11/2/83	30	JLS	MC	PRG	BEB
31	11/2/83	31	JLS	MC	PRG	BEB
32	11/2/83	32	JLS	MC	PRG	BEB
33	11/2/83	33	JLS	MC	PRG	BEB
34	11/2/83	34	JLS	MC	PRG	BEB
35	11/2/83	35	JLS	MC	PRG	BEB
36	11/2/83	36	JLS	MC	PRG	BEB
37	11/2/83	37	JLS	MC	PRG	BEB
38	11/2/83	38	JLS	MC	PRG	BEB
39	11/2/83	39	JLS	MC	PRG	BEB
40	11/2/83	40	JLS	MC	PRG	BEB
41	11/2/83	41	JLS	MC	PRG	BEB
42	11/2/83	42	JLS	MC	PRG	BEB
43	11/2/83	43	JLS	MC	PRG	BEB
44	11/2/83	44	JLS	MC	PRG	BEB
45	11/2/83	45	JLS	MC	PRG	BEB
46	11/2/83	46	JLS	MC	PRG	

may 12 12 17 42 1984 = 5402 0 \ 01072 \ 00417402 017

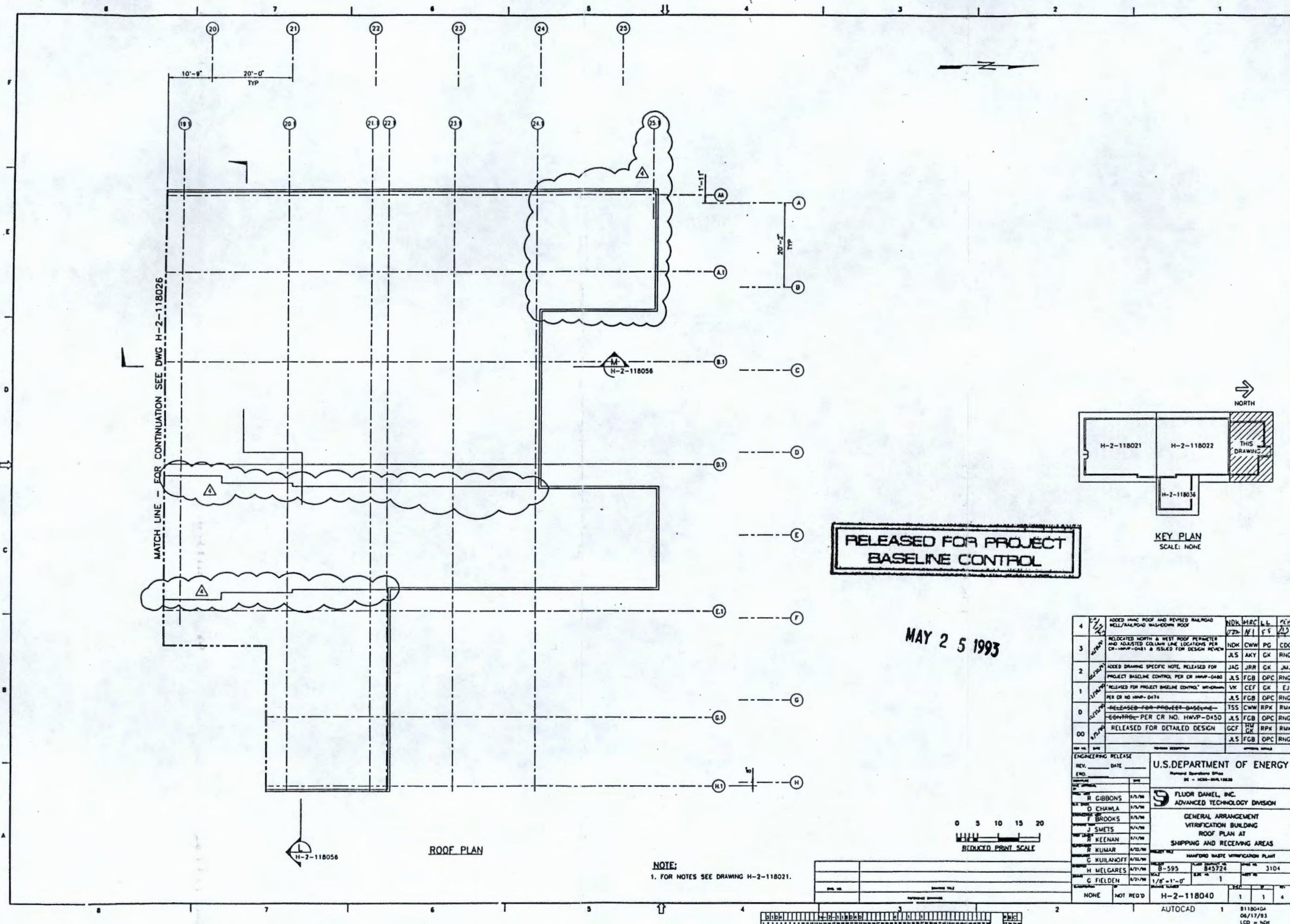
9413092.0563



MAY 25 1993

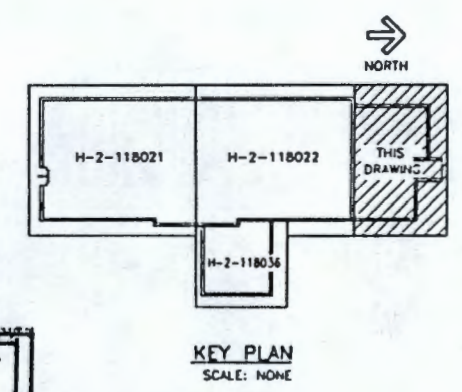
NOTE:
1. FOR NOTES SEE DRAWING H-2-118021.

9413092-0564



RELEASED FOR PROJECT
BASELINE CONTROL

MAY 25 1993

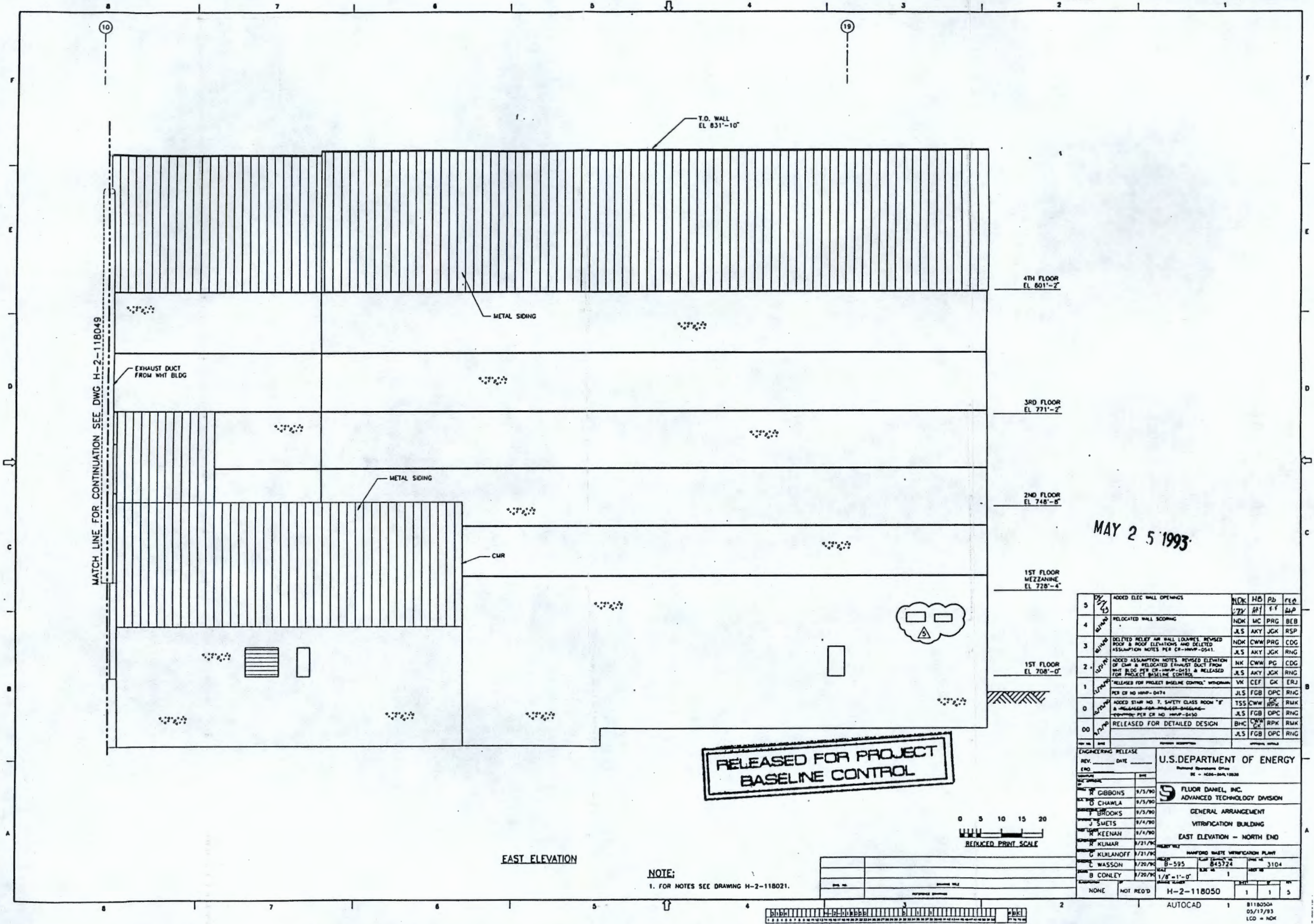


4	ADD HMC ROOF AND REVISED RAILROAD W/LL/RAILROAD WASHDOWN ROOF	NDK	MRC	LL	PER
3	RELOCATED NORTH & WEST ROOF PERIMETER AND ADJUSTED COLUMN LINE LOCATIONS PER CR-HWVP-D450 & ISSUED FOR DESIGN REVIEW	NDK	CWW	PG	CDG
2	ADDED DRAWING SPECIFIC NOTE, RELEASED FOR PROJECT BASELINE CONTROL PER CR HWVP-D450	JLS	AKY	GK	RNG
1	RELEASED FOR PROJECT BASELINE CONTROL, WITHDRAWN PER CR NO HWVP-D474	JLS	FCB	OPC	RNG
0	RELEASED FOR PROJECT BASELINE CONTROL, PER CR NO. HWVP-D450	TSS	CWW	RPK	RWK
00	RELEASED FOR DETAILED DESIGN	GCF	RM	RPK	RWK
		JLS	FCB	OPC	RNG

REV.	DATE	BY	CHKD.	DATE
R. GIBBONS	1/1/78			
D. CHAWLA	1/1/78			
F. BROOKS	1/1/78			
J. SMETS	1/1/78			
R. KEENAN	1/1/78			
R. KUMAR	1/1/78			
G. KULANOFF	1/1/78			
H. MELGARES	1/1/78			
G. FIELDEN	1/1/78			

U.S. DEPARTMENT OF ENERGY	
FLUOR DANIEL, INC.	
ADVANCED TECHNOLOGY DIVISION	
GENERAL ARRANGEMENT	
VITRIFICATION BUILDING	
ROOF PLAN AT	
SHIPPING AND RECEIVING AREAS	
HARTFORD WASTE VITRIFICATION PLANT	
PROJECT NO.	8-595
PLAT NO.	845724
SCALE	1/8" = 1'-0"
DATE	1
BY	1
CHKD.	4
H-2-118040	
AUTOCAD	
8118040A	
06/17/83	
LCD - NDK	

9413092-0565

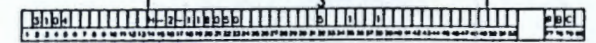


MAY 25 1993

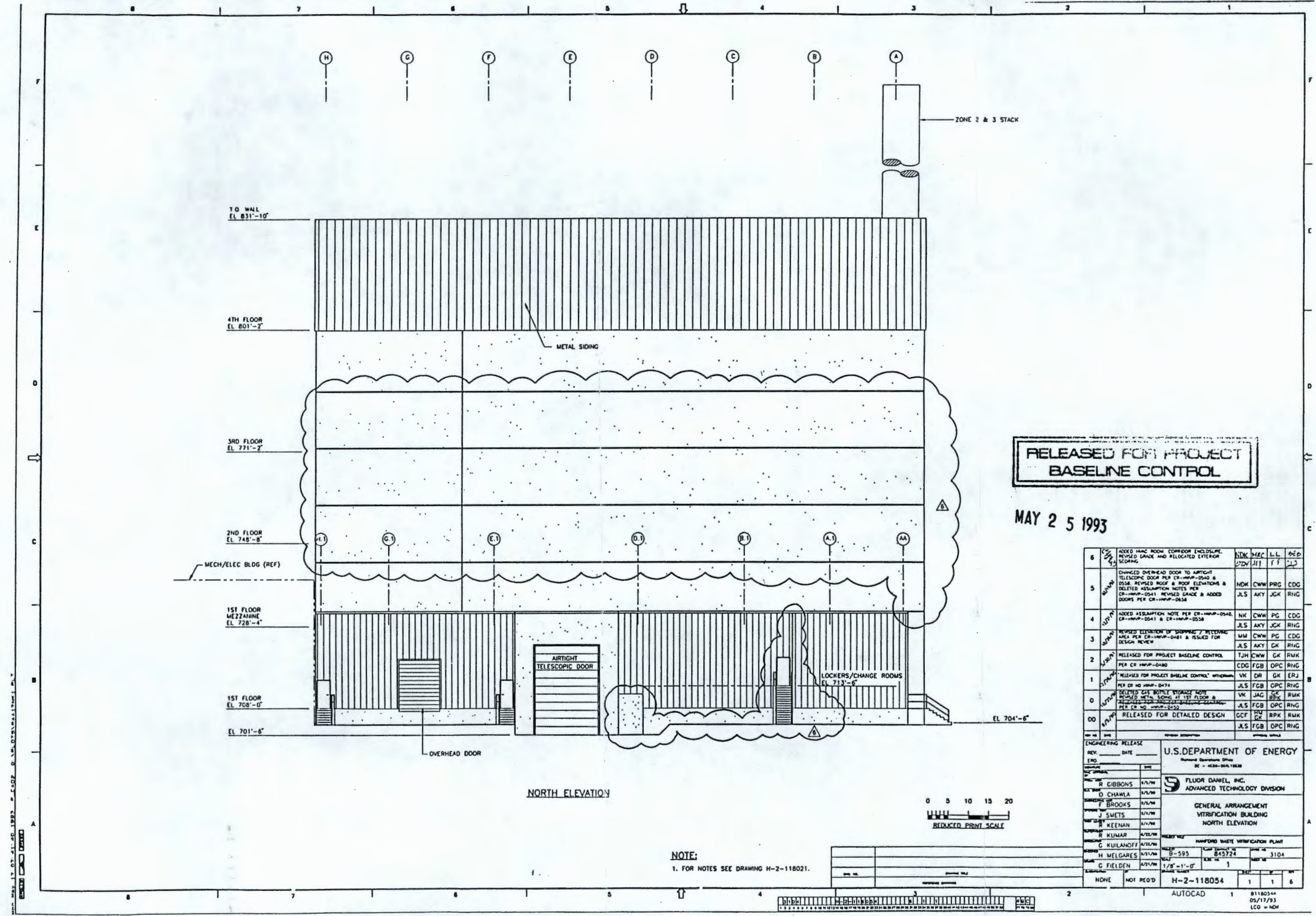
5	ADDED ELEC WALL OPENINGS	NOK	HO	Pb	REV
4	RELOCATED WALL SCORING	NOK	MC	PRG	BEB
3	DELETED RELIEF AIR WALL LOUVER. REVISED ROOF & ROOF ELEVATIONS AND DELETED ASSUMPTION NOTES PER CR-HWMP-0541	JLS	AKY	JGK	RSP
2	ADDED ASSUMPTION NOTES. REVISED ELEVATION OF CMR & RELOCATED EXHAUST DUCT FROM WHIT BLDG PER CR-HWMP-0451 & RELEASED FOR PROJECT BASELINE CONTROL	NOK	CWW	PRG	CDG
1	"RELEASED FOR PROJECT BASELINE CONTROL" WITHDRAWN PER CR NO HWMP-0474	JLS	AKY	JGK	RNG
0	ADDED STAIR NO. 7, SAFETY CLASS ROOM "B" & RELEASED FOR PROJECT BASELINE CONTROL PER CR NO HWMP-0450	NK	CWW	PG	CDG
00	RELEASED FOR DETAILED DESIGN	JLS	FGB	OPC	RNG

ENGINEERING RELEASE		U.S. DEPARTMENT OF ENERGY	
REV.	DATE	Revised Drawings Office	
END		DE - HCS-004.1003	
DESIGNED BY		FLUOR DANIEL, INC.	
CHECKED BY		ADVANCED TECHNOLOGY DIVISION	
APPROVED BY		GENERAL ARRANGEMENT	
		VITRIFICATION BUILDING	
		EAST ELEVATION - NORTH END	
		HAMFORD WASTE VITRIFICATION PLANT	
		SHEET NO. 3104	
		SCALE 1/8" = 1'-0"	
		H-2-118050	
		AUTOCAD	

NOTE:
1. FOR NOTES SEE DRAWING H-2-118021.



9413092.0566



RELEASED FOR PROJECT
BASELINE CONTROL

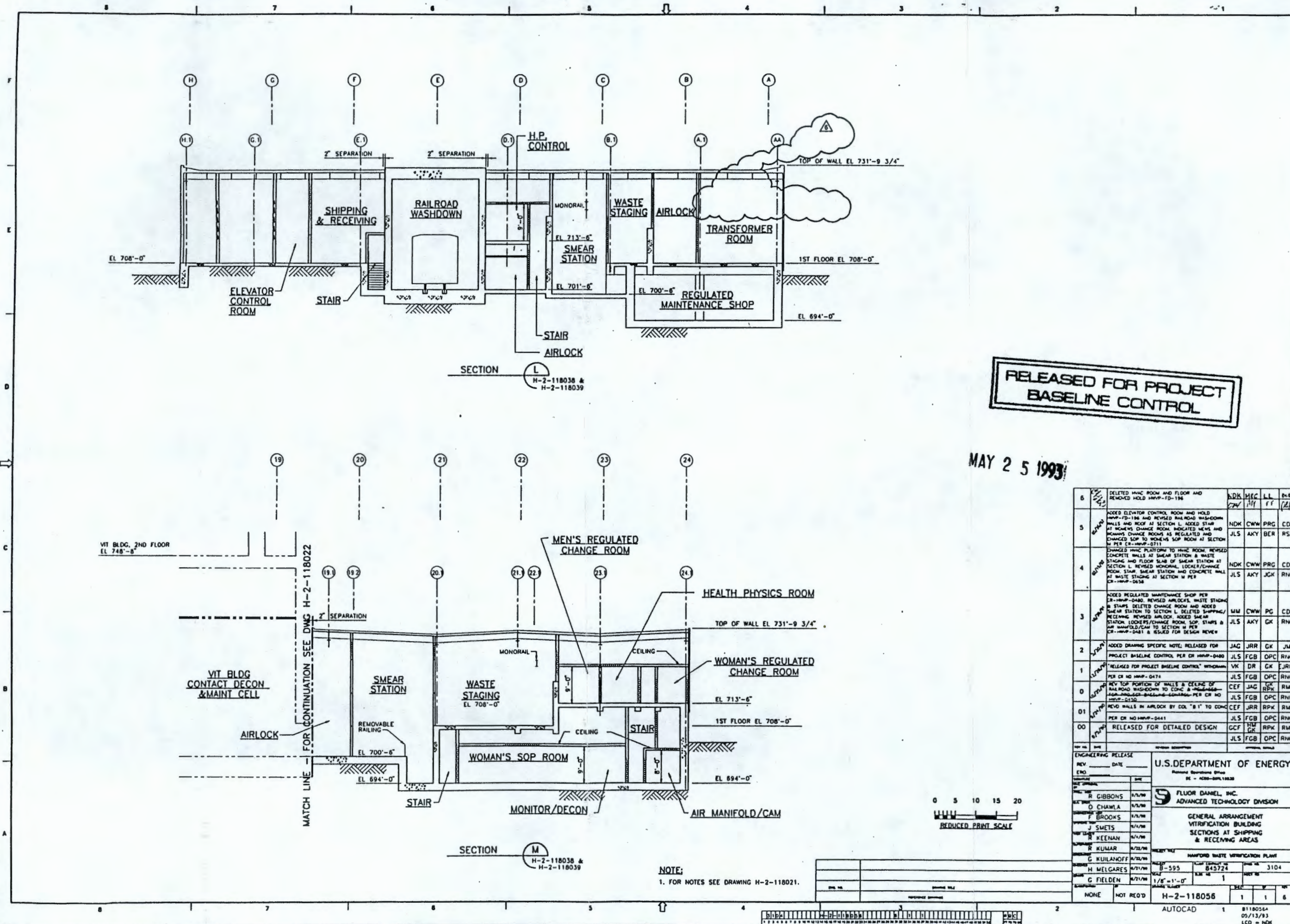
MAY 25 1993

6	ADDED HVAC ROOM CORRIDOR ENCLOSURE REVISED GRADE AND RELOCATED EXTERIOR SCORING	NDK	MEC	LL	RED
5	CHANGED OVERHEAD DOOR TO AIRTIGHT TELESCOPIC DOOR PER CR-HVAP-0540 & 0558. REVISED ROOF & ROOF ELEVATIONS & DELETED ASSUMPTION NOTES PER CR-HVAP-0541. REVISED GRADE & ADDED DOORS PER CR-HVAP-0638	NDK	CWW	PRG	CDG
4	ADDED ASSUMPTION NOTE PER CR-HVAP-0540, CR-HVAP-0541 & CR-HVAP-0558	JLS	AKY	JCK	RNG
3	REVISED ELEVATION OF SHIPPING / RECEIVING AREA PER CR-HVAP-0481 & ISSUED FOR DESIGN REVIEW	MM	CWW	PG	CDG
2	RELEASED FOR PROJECT BASELINE CONTROL PER CR-HVAP-0480	JLS	AKY	GK	RNG
1	"RELEASED FOR PROJECT BASELINE CONTROL" WITHDRAWN PER CR-HVAP-0478	CDG	FGB	OPC	RNG
0	DELETED GAS BOTTLE STORAGE NOTE REVISED METAL SIDING AT 1ST FLOOR & ADDED ASSUMPTION NOTE FOR EXTERIOR SCORING PER CR-HVAP-0450	VK	DR	GK	ERJ
00	RELEASED FOR DETAILED DESIGN	JLS	FGB	OPC	RNG

ENGINEERING RELEASE REV. DATE BY CHECKED BY DATE APPROVED BY DATE	U.S. DEPARTMENT OF ENERGY Nuclear Operations Office DC - 4025-004-10030 FLUOR DANIEL, INC. ADVANCED TECHNOLOGY DIVISION GENERAL ARRANGEMENT VITRIFICATION BUILDING NORTH ELEVATION HARDING WASTE VITRIFICATION PLANT B-595 845724 3104 1/8" = 1'-0" H-2-118054 1 1 6 AUTOCAD 05/17/93 LCO - NDK
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NOTE:
1. FOR NOTES SEE DRAWING H-2-118021.

250*260146
9413092.0567

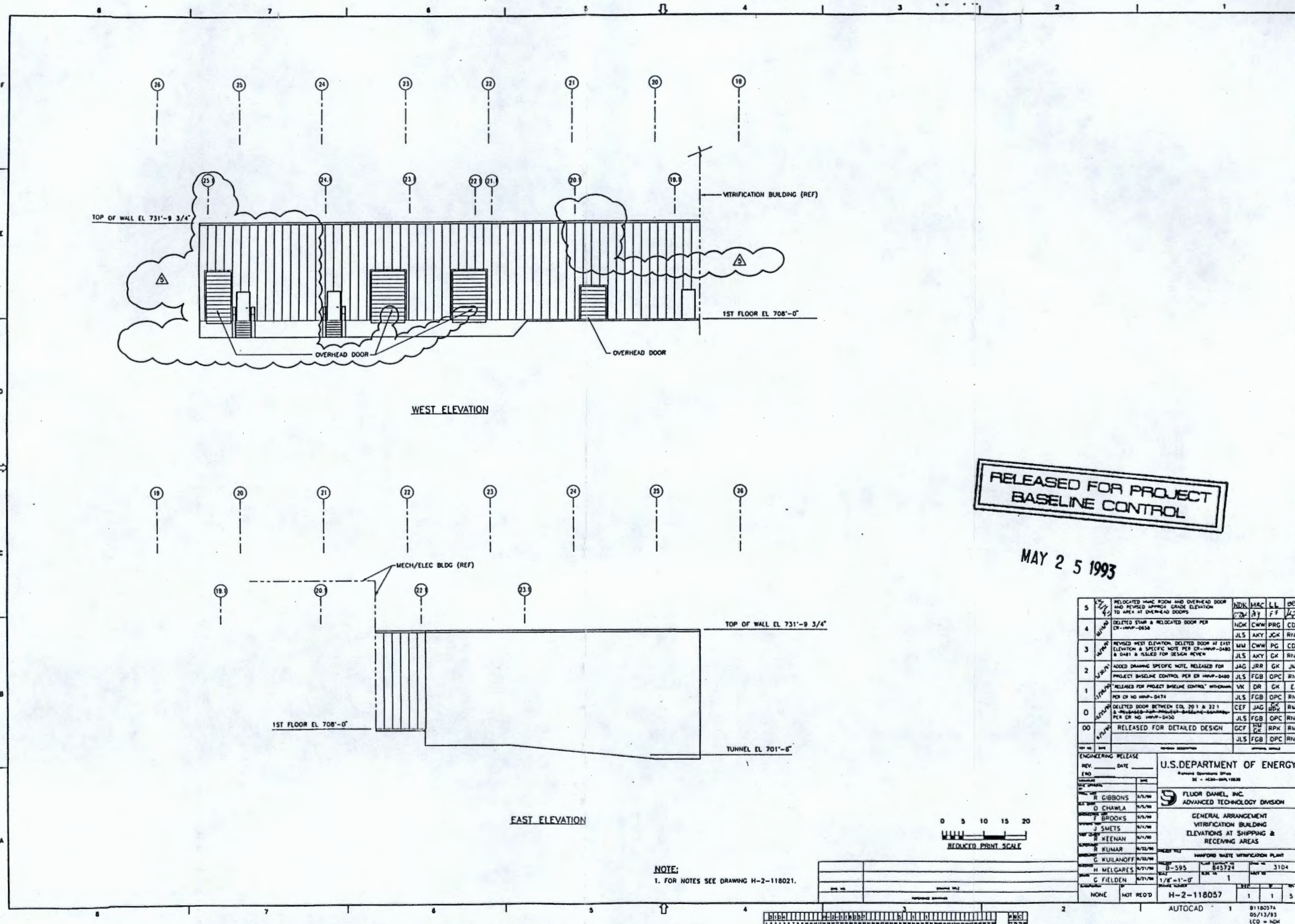


RELEASED FOR PROJECT
BASELINE CONTROL

MAY 25 1993

6	DELETED HVAC ROOM AND FLOOR AND REMOVED HOLD H-2-118019	NDK	MSC	LL	REP
5	ADDED ELEVATOR CONTROL ROOM AND HOLD H-2-118019 AND REVISED RAILROAD WASHDOWN WALLS AND ROOF AT SECTION L. ADDED STAIR AT WOMEN'S CHANGE ROOM. INDICATED MEN'S AND WOMEN'S CHANGE ROOMS AS REGULATED AND CHANGED SOP TO WOMEN'S SOP ROOM AT SECTION M PER CR-H-2-118011	NDK	CWW	PRG	CDG
4	CHANGED HVAC PLATFORM TO HVAC ROOM. REVISED CONCRETE WALLS AT SHEAR STATION & WASTE STAGING AND FLOOR SLAB OF SHEAR STATION AT SECTION L. REVISED MONORAIL, LOCKER/CHANGE ROOM, STAIR, SHEAR STATION AND CONCRETE WALL AT WASTE STAGING AT SECTION M PER CR-H-2-118011	NDK	CWW	PRG	CDG
3	ADDED REGULATED MAINTENANCE SHOP PER CR-H-2-118011. REVISED AIRLOCKS, WASTE STAGING & STAIRS. DELETED CHANGE ROOM AND ADDED SHEAR STATION TO SECTION L. DELETED SHIPPING/RECEIVING. REVISED AIRLOCK. ADDED SHEAR STATION, LOCKER/CHANGE ROOM, SOP, STAIRS & AIR MANIFOLD/CAM TO SECTION M PER CR-H-2-118011 & ISSUED FOR DESIGN REVIEW	NDK	CWW	PG	CDG
2	ADDED DRAWING SPECIFIC NOTE. RELEASED FOR PROJECT BASELINE CONTROL PER CR-H-2-118011	JLS	FCB	OPC	RNG
1	RELEASED FOR PROJECT BASELINE CONTROL. WITHDRAWN PER CR-H-2-118011	VK	DR	GK	FJRM
0	REV TOP PORTION OF WALLS & CEILING OF RAILROAD WASHDOWN TO CONC & REINFORCED AGG-PRODUCED-BEAMING-CONCRETE PER CR-H-2-118011	CEF	JAG	GK	RMK
01	REV'D WALLS IN AIRLOCK BY COL "B" TO CONC	CEF	JRR	RPK	RMK
00	PER CR-H-2-118011	JLS	FCB	OPC	RNG
00	RELEASED FOR DETAILED DESIGN	GCF	FCB	OPC	RMK
00		JLS	FCB	OPC	RNG
U.S. DEPARTMENT OF ENERGY Fluor Daniel, Inc. ADVANCED TECHNOLOGY DIVISION GENERAL ARRANGEMENT VITRIFICATION BUILDING SECTIONS AT SHIPPING & RECEIVING AREAS		H-2-118056			
REVISIONS		REV	DATE	BY	CHK
GIBBONS		1/1/79			
O. CHAWLA		1/1/79			
F. BROOKS		1/1/79			
J. SMETS		1/1/79			
R. KEENAN		1/1/79			
R. KUMAR		1/1/79			
G. KULANOFF		1/1/79			
H. MELGARES		1/1/79			
G. FELDEN		1/1/79			
NONE		NOT REQ'D			
H-2-118056		1	1	1	1
AUTOCAD		1	1	1	1
B118056A		05/13/93			
LCO - NDK					

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RELEASED FOR PROJECT
BASELINE CONTROL

MAY 2 5 1993

5	RELOCATED HALL ROOM AND OVERHEAD DOOR AND REVISED APPROX. GRADE ELEVATION TO AREA AT OVERHEAD DOORS	NDK	MRC	LL	DRB
4	DELETED STAIR & RELOCATED DOOR PER CR-HW-0438	NDK	CWW	PRG	CDG
3	REVISED WEST ELEVATION. DELETED DOOR AT EAST ELEVATION & SPECIFIC NOTE PER CR-HW-0480 & 0481 & ISSUED FOR DESIGN REVIEW	MM	CWW	PG	CDG
2	ADDED DRAWING SPECIFIC NOTE, RELEASED FOR PROJECT BASELINE CONTROL PER CR-HW-0480	JLS	AXY	GK	RNG
1	"RELEASED FOR PROJECT BASELINE CONTROL" WITHDRAWN PER CR NO HW-0474	JLS	FCB	OPC	RNG
0	DELETED DOOR BETWEEN COL 201 & 221 & RELOCATED DOOR BETWEEN COL 201 & 221 PER CR NO HW-0430	CEF	JAG	OPC	RNG
00	RELEASED FOR DETAILED DESIGN	JLS	FCB	OPC	RNG

ENGINEERING RELEASE		U.S. DEPARTMENT OF ENERGY	
REV. DATE	NO.	DE - ACB-0481, 118057	
R. GIBBONS 5/1/93		FLUOR DANIEL, INC.	
D. CHANILA 5/1/93		ADVANCED TECHNOLOGY DIVISION	
F. BROOKS 5/1/93		GENERAL ARRANGEMENT	
J. SMETS 5/1/93		VITRIFICATION BUILDING	
P. HEENAN 5/1/93		ELEVATIONS AT SHIPPING & RECEIVING AREAS	
R. KUMAR 5/1/93		HAWFORD WASTE VITRIFICATION PLANT	
G. KULANOFF 5/1/93		B-595 845724 3104	
H. MELGARE 5/1/93		1/8"=1'-0"	
G. FIELDEN 5/1/93		H-2-118057 1 1 5	
NONE		AUTOCAD 1 B118057A 05/13/93 LCO = NDK	

NOTE:
1. FOR NOTES SEE DRAWING H-2-118021.

0 5 10 15 20
REDUCED PRINT SCALE