0029914
2 of 4

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/16/92	APPROVED FOR CONSTRUCTION	JLD		JLD	BS
			HLR		RJK	LSP

B

CADFILE	B116009A	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE

REV _____ DATE _____

ERO _____

SIGNATURE	DATE
PROJ MGR	18 DEC 92
QA MGR	12/18/92
INDEPENDENT SAFETY MGR	12/18/92
PROJECT MGR	12/17/92
SYSTEMS MGR	12/18/92
ENGINEERING MGR	12/18/92
SUPERVISOR	12/16/92
DESIGN ENGINEER	12/16/92
CHECKED	12/16/92
DRAWN S.SAM	09/23/92

U.S.DEPARTMENT OF ENERGY

Richland Field Office

DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MELTER VESSEL ASSEMBLY TITLE SHEET

A

PROJECT TITLE		
HANFORD WASTE VITRIFICATION PLANT		
PROJECT B-595	FLUOR CONTRACT NO. 8457	CWBS NO. P06A
SCALE NONE	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-116009	1	1	0

2 1

FC

DISTRIBUTION CODE: 301 T1 ACAD

INITIALS: SS

DATE: 12/16/92

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION	JCD		JCD	92S
			ALR	GHM		

B

CADFILE	B116010A
CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE

REV _____ DATE _____

ERO _____

SIGNATURE	DATE
PROJ MGR	18 Dec 92
QA MGR	
INDEPENDENT SAFETY MGR	12-18-92
PROJECT MGR	12/18/92
SYSTEMS MGR	12/18/92
ENGINEERING MGR	12/18/92
SUPERVISOR	12/14/92
DESIGN ENGINEER	12/16/92
CHECKED	12/14/92
DRAWN S.SAM	09/24/92

U.S.DEPARTMENT OF ENERGY

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DE – AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MELTER VESSEL ASSEMBLY DWG INDEX

A

PROJECT TITLE		
HANFORD WASTE VITRIFICATION PLANT		
PROJECT B-595	FLUOR CONTRACT NO. 8457	CWBS NO. P06A
SCALE NONE	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-116010	1	1	0

2 1

AFC

DISTRIBUTION CODE: 301 **T2** ACAD

INITIALS: SS

DATE: 12/16/92

QUALITY LEVEL I
SAFETY CLASS 3

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DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION				

CADFILE	B120052A	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR C J Wilcox	12/18/92
DESIGN ENGINEER	
CHECKED	
DRAWN J. KAPPELER	3-3-92

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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001 MELTER VESSEL/FRAME ASSY PARTS LIST & NOTES

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
NONE	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120052	1	5	0

2 1

DISTRIBUTION CODE: 402 M1 ACAD

INITIALS: PN
DATE: 12-16-92

A

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION			CPW	

B

CADFILE B120052B CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE

REV _____ DATE _____

ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR C/W Wilson	12/18/92
DESIGN ENGINEER	12/18/92
CHECKED	12/18/92
DRAWN J.KAPPELER	3-3-92

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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
MELTER VESSEL/FRAME ASSY
MELTER & FRAME ASSY

A

PROJECT TITLE

HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
3/4" = 1'-0	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120052	2	5	0

2 1 1

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DISTRIBUTION CODE: 402 **M2** ACAD

INITIALS: PN
DATE: 12-16-92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE	B120052C	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	12/18/92
DRAWN J.KAPPELER	04/21/92

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DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
MELTER VESSEL/FRAME ASSY
MELTER ASSY/CONN LOC

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 3/4" = 1'-0	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120052	3	5	0

AFC

DISTRIBUTION CODE: 402 M3 ACAD

INITIALS: PN
DATE: 12-17-92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE: B120052D CADCODE: 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	
DRAWN J. KAPPELER	3-3-92

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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001 MELTER VESSEL/FRAME ASSY SECTIONS

PROJECT TITLE: HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE: SHOWN	BLDG NO.: 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120052	4	5	0

AFC

DISTRIBUTION CODE: 402 M4 ACAD

INITIALS: PN
DATE: 12-16-92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE B120052E | CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/17/92
DESIGN ENGINEER	
CHECKED	
DRAWN J.KAPPELER	04/22/92

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DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001 MELTER VESSEL/FRAME ASSY TABLES & NOTES

PROJECT TITLE: HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE: NONE	BLDG NO.: 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120052	5	5	0

DISTRIBUTION CODE: 402 M5 ACAD

INITIALS: PN
DATE: 12-16-92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE B120075A CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/15/92
DESIGN ENGINEER	
CHECKED	
DRAWN L.C.SANVICTORES	02-28-92

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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
MELTER SHELL
INCONEL DAM WELDMENT

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/4	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120075	1	1	0

DISTRIBUTION CODE: 403 M6 ACAD

INITIALS: TS
DATE: 12/17/92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE B120076A CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	12/16/92
DRAWN J.KAPPELER	2-7-92

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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
MELTER VESSEL/FRAME ASSY
MISC PIPING DETAILS

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
NONE	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120076	1	1	0

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DISTRIBUTION CODE: 403 M7 ACAD

INITIALS: PN
DATE: 12-16-92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE B120086A | CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	12/18/92
DRAWN S. REGACHO	03/19/92

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DE – AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001 POUR SPOUT HEATER SPRT ASSEMBLY & PARTS LIST

PROJECT TITLE: HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/4	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	1	10	0

DISTRIBUTION CODE: 403 M8 ACAD

INITIALS: PN
DATE: 12-16-92

Dec 16 22:37:26 1992 P_CAD2 Q:\PLOTS\PAA87937.PLT

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION		AC		

B

CADFILE	B120086B	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	12/18/92
CHECKED	12/18/92
DRAWN L.C.SANVICTORES	04/09/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
POUR SPOUT HEATER SPRT CARRIAGE ALIGN BRACKET

A

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
1/1	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	2	10	0

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DISTRIBUTION CODE: 403 M9 ACAD

INITIALS: PN
DATE: 12-16-92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS		
0	12/18/92	APPROVED FOR CONSTRUCTION	RL	AC	GW

CADFILE	B120086C	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/16/92
DESIGN ENGINEER	12/8/92
CHECKED	12/16/92
DRAWN S. REGACHO	03/24/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE – AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
POUR SPOUT HEATER SPRT. ACTIVE RAIL BRACKET

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/2	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	3	10	0

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DISTRIBUTION CODE: 403

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ACAD

INITIALS: PN
DATE: 12-16-92

Dec 16 22:41:58 1992 P_CAD2 Q:\PLOTS\PAA87939.PLT

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE B120086D CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	12/18/92
CHECKED	12/18/92
DRAWN S.REGACHO	02/26/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE – AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
POUR SPOUT HEATER SPRT PASSIVE RAIL BRACKET

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/2	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	4	10	0

F C 18 79 80

DISTRIBUTION CODE: 403 **M11** ACAD

INITIALS: PN
DATE: 12-16-92

Wed Dec 16 17:49:52 1992 P CAD2 Q:\PLOTS\PAA87791.PLT

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION		AC	cp	

CADFILE	B120086E	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	12/18/92
CHECKED	12/18/92
DRAWN S. REGACHO	02/25/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
POUR SPOUT HEATER SPRT PASSIVE RAIL KEY GUIDE

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/1	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	5	10	0

DISTRIBUTION CODE: 403 M12 ACAD

INITIALS: PN
DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION		AC	GW	

B

CADFILE	B120086F	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE

REV _____ DATE _____

ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	12/18/92
CHECKED	12/18/92
DRAWN S. REGACHO	03/24/92

U.S.DEPARTMENT OF ENERGY

Richland Field Office

DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
POUR SPOUT HEATER SPRT
ACTIVE RAIL KEY GUIDE

A

PROJECT TITLE

HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/1	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	6	10	0

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DISTRIBUTION CODE: 403

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INITIALS: PN

DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION		AC		

CADFILE	B120086G	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE

REV _____ DATE _____

ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	12/18/92
CHECKED	12/18/92
DRAWN L.C.SANVICTORES	3-24-92

U.S.DEPARTMENT OF ENERGY

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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
POUR SPOUT HEATER SPRT DETAILS & SECTION

PROJECT TITLE

HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
SHOWN	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	7	10	0

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DISTRIBUTION CODE: 403

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ACAD

INITIALS: PN

DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/16/92	APPROVED FOR CONSTRUCTION		AC	90	

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CADFILE	B120086H
CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	12/18/92
CHECKED	12/18/92
DRAWN S. REGACHO	02/25/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
POUR SPOUT HEATER SPRT
PASSIVE RAIL ASSEMBLY

A

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
1/2	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	8	10	0

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DISTRIBUTION CODE: 403 M15 ACAD

INITIALS: PN
DATE: 12-16-92

Dec 16 17:59:22 1992 P CAD2 Q:\PLOTS\PAA87795.PLT

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/16/92	APPROVED FOR CONSTRUCTION	

CADFILE B120086J CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	
DRAWN S. REGACHO	03/18/92

U.S.DEPARTMENT OF ENERGY
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DE – AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
POUR SPOUT HEATER SPRT ACTIVE RAIL ASSEMBLY

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/2	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	9	10	0

DISTRIBUTION CODE: 403 M16 ACAD

INITIALS: PN
DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION				

CADFILE	B120086K	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	12/18/92
CHECKED	12/18/92
DRAWN S. REGACHO	04/16/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001
POUR SPOUT HEATER SPRT MODIFIED GEAR BOX

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/1	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120086	10	10	0

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DISTRIBUTION CODE: 403 **M17** ACAD

INITIALS: PN
DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION			CJW	

CADFILE	B120122A
CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	
DRAWN L.C.SANVICTORES	04/08/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001 POUR SPOUT DUMMY HEATER ASSEMBLY

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/4	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120122	1	2	0

DISTRIBUTION CODE: 403 M18 ACAD

INITIALS: TS
DATE: 12/16/92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE B120122B CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	12/18/92
DRAWN L.C.SANVICTORES	04/07/92

U.S.DEPARTMENT OF ENERGY
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DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001 POUR SPOUT DUMMY HEATER SUB-ASSY & DETAIL

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/4	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120122	2	2	0

DISTRIBUTION CODE: 403 M19 ACAD

INITIALS: PN
DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE B120123A CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/16/92
DESIGN ENGINEER	
CHECKED	
DRAWN L.C.SANVICTORES	4/01/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001 DUMMY INCONEL TUBE ASSEMBLY & PARTS LIST

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/4	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120123	1	2	0

DISTRIBUTION CODE: 403 M20 ACAD

INITIALS: PN
DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE B120123B CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	
DRAWN L.C.SANVICTORES	4/01/92

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Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001 DUMMY INCONEL TUBE DETAILS

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/4	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120123	2	2	0

DISTRIBUTION CODE: 403 M21 ACAD

INITIALS: PN
DATE: 12-16-92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE B120124A CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	
DRAWN L.C.SANVICTORES	05/12/92

U.S.DEPARTMENT OF ENERGY
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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

ME-130-001 MELTER SHELL DUMMY DRAIN PLUG ASSY & PARTS LIST

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/2	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120124	1	1	0

DISTRIBUTION CODE: 403 M22 ACAD

INITIALS: PN
DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE	B120153A
CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/17/92
DESIGN ENGINEER	12/16/92
CHECKED	12/16/92
DRAWN T.SHIRLEY	10/23/91

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MY-130-004 MELTER FRAME PARTS LIST & NOTES

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
NONE	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120153	1	9	0

AFC

DISTRIBUTION CODE: 402

M23

ACAD

INITIALS: TS
DATE: 12/16/92

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/16/92	APPROVED FOR CONSTRUCTION	

CADFILE B120153B CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/10/92
DESIGN ENGINEER	
CHECKED	12/19/92
DRAWN T.SHIRLEY	10/24/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MY-130-004 MELTER FRAME NOZZLE INSTALLATION

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE 1/16	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120153	2	9	0

NOTES

DISTRIBUTION CODE: 403 M24 ACAD

INITIALS: PN
DATE: 12-16-92

Dec 16 22:54:28 1992 P_CAD1 P:\PLOTS\PAA87951.PLT

DETAIL 3
SCALE: 1/4

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/16/92	APPROVED FOR CONSTRUCTION				

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CADFILE	B120153C
CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	12/18/92
DRAWN T.SHIRLEY	10-19-90

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MY-130-004
MELTER FRAME
ASSEMBLY & DETAILS

A

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
SHOWN	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120153	3	9	0

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DISTRIBUTION CODE: 403

M25

ACAD

INITIALS: PN
DATE: 12-16-92

Dec 16 22:56:54 1992 P_CAD1 P:\PLOTS\PAA87952.PLT

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION				

CADFILE B120153D CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	
DRAWN T.SHIRLEY	10/19/92

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MY-130-004 MELTER FRAME HOLE LOCATION DETAILS

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE SHOWN	BLDG NO. 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120153	4	9	0

DISTRIBUTION CODE: 403 M26 ACAD

INITIALS: PN
DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/16/92	APPROVED FOR CONSTRUCTION				

CADFILE B120153E CADCODE 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	12/16/92
DRAWN T.SHIRLEY	11/26/90

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MY-130-004 MELTER FRAME SECTIONS & DETAILS

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
SHOWN	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120153	5	9	0

DISTRIBUTION CODE: 403 M27 ACAD

INITIALS: PN
DATE: 12-16-92

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/16/92	APPROVED FOR CONSTRUCTION				

CADFILE	B120153F	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	
DRAWN T. SHIRLEY	10/23/91

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE – AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MY-130-004
MELTER FRAME
SECTION & VIEWS

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
SHOWN	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120153	6	9	0

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DISTRIBUTION CODE: 403

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ACAD

INITIALS: PN
DATE: 12-16-92

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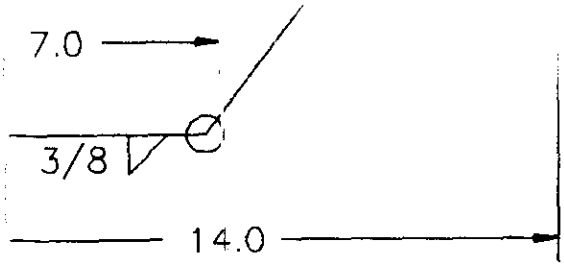

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QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS			
0	12/18/92	APPROVED FOR CONSTRUCTION				

CADFILE	B120153G	CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	
CHECKED	12/18/92
DRAWN T.SHIRLEY	12/17/90

U.S.DEPARTMENT OF ENERGY
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FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MY-130-004
MELTER FRAME
SECTIONS & DETAILS

PROJECT TITLE
HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE	BLDG NO.	INDEX NO.
SHOWN	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120153	7	9	0

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DISTRIBUTION CODE: 403 **M29** ACAD

INITIALS: PN
DATE: 12-16-92

25

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/18/92	APPROVED FOR CONSTRUCTION	

CADFILE	B120153H
CADCODE	2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE

REV _____ DATE _____

ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/18/92
DESIGN ENGINEER	12/18/92
CHECKED	12/18/92
DRAWN T.SHIRLEY	10/23/91

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DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MY-130-004
MELTER FRAME
SECTIONS & DETAILS

PROJECT TITLE

HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A

SCALE	BLDG NO.	INDEX NO.
SHOWN	1	

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120153	8	9	0

DISTRIBUTION CODE: 403

M30

ACAD

INITIALS: PN

DATE: 12-16-92

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(17) BUS BAR BASE PLATE

SCALE: 1/8

QUALITY LEVEL I
SAFETY CLASS 3

DEC 23 1992

REV NO.	DATE	REVISION DESCRIPTION	APPROVAL INITIALS
0	12/16/92	APPROVED FOR CONSTRUCTION	

CADFILE: B120153J CADCODE: 2B:IBM:ACD2:10.C2:SS

ENGINEERING RELEASE
REV _____ DATE _____
ERO _____

SIGNATURE	DATE
PROJ DIR	
QA MGR	
INDEPENDENT SAFETY MGR	
PROJECT MGR	
SYSTEMS MGR	
ENGINEERING MGR	
SUPERVISOR	12/16/92
DESIGN ENGINEER	
CHECKED	12/15/92
DRAWN R.MOREL	08/29/91

U.S.DEPARTMENT OF ENERGY
Richland Field Office
DE - AC06-86RL10838

FLUOR DANIEL, INC.
ADVANCED TECHNOLOGY DIVISION

MY-130-004
MELTER FRAME
NOZZLE DETAILS

PROJECT TITLE: HANFORD WASTE VITRIFICATION PLANT

PROJECT	FLUOR CONTRACT NO.	CWBS NO.
B-595	8457	P06A
SCALE: SHOWN	BLDG NO.: 1	INDEX NO.

CLASSIFICATION	BY	DRAWING NUMBER	SHEET	OF	REV
NONE	NOT REQD	H-2-120153	9	9	0

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DISTRIBUTION CODE: 403 M31 ACAD

INITIALS: PN
DATE: 12-16-92