



US Army Corps
of Engineers

NONLINEAR, INCREMENTAL STRUCTURAL ANALYSIS OF OLMSTED LOCKS AND DAMS

Volume II

APPENDIXES A THROUGH I

by

Sharon Garner, Anthony A. Bombich, C. Dean Norman

Structures Laboratory

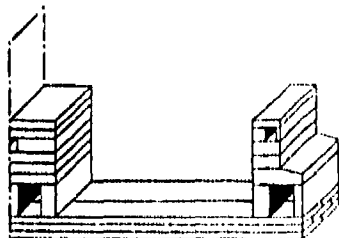
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Chris Merrill, Barry Fehl, H. Wayne Jones

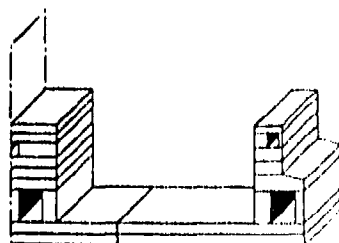
Information Technology Laboratory

DEPARTMENT OF THE ARMY

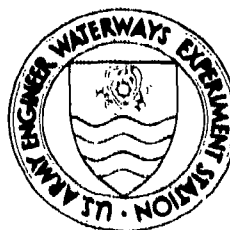
Waterways Experiment Station, Corps of Engineers
3909 Halls Ferry Road, Vicksburg, Mississippi 39180-6199



Strip Placement Method



Block Placement Method



December 1992

Final Report

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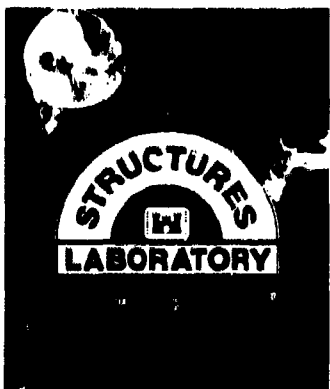
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13. ABSTRACT (Maximum 200 words) The Olmsted Locks and Dam will be located on the Ohio River and the locks will be a W-frame type of structure, which is currently unprecedented within the Corps of Engineers. Because of this fact and due to the high fly ash concrete mixture planned for the project, an extensive nonlinear, incremental structural analysis (NISA) was performed. Parameters evaluated included two different placing schemes, plane stress and plane strain analyses, two different concrete mixtures, creep, and shrinkage. The report contains two phases. In the first phase, parameters such as plane stress and plane strain, block and strip placement schemes, and mixtures 6 and 11 were evaluated. The second phase included performance of several analyses based on the load case combinations contained in ETL 1110-2-324, "Special Design Provisions for Massive Concrete Structures," and included evaluation of the effects of creep and shrinkage. The second phase results were also used to validate the analyses performed in the first phase.				
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PREFACE

The work described in this report was conducted for the US Army Engineer District, Louisville, by the Structural Mechanics Division (SMD), Structures Laboratory (SL), and the Computer-Aided Engineering Division (CAED), Information Technology Laboratory (ITL), US Army Engineer Waterways Experiment Station (WES). The investigation was authorized by DD form 448, MIPR No. RM-B-90-375, dated 5 January 1990. The technical report resulting from this investigation is published in two volumes.

The investigation was accomplished under the general supervision of Messrs. Bryant Mather, Director, SL; James T. Ballard, Assistant Director, SL; Dr. Jimmy P. Balsara, Chief, SMD; and Dr. N. Radhakrishnan, Director, ITL, and under the direct supervision of Dr. C. Dean Norman, SMD, and Mr. H. Wayne Jones, CAED. This report was prepared by Mr. Anthony A. Bombich, Concrete Technology Division (CTD), SL, Ms. Sharon Garner, SMD, Dr. Norman, Mr. Chris Merrill, CAED, Mr. Barry Fehl, CAED, and Mr. Jones. The authors acknowledge Mr. Michael Hammons, CTD, for his assistance during this investigation and Mr. Byron McClellan, CEORL-ED-A, for his support and encouragement in performing the work described in this report.

At the time of publication of this report, Director of WES was Dr. Robert W. Whalin. Commander was COL Leonard G. Hassell, EN.

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CONVERSION FACTORS, NON-SI TO SI (METRIC)
UNITS OF MEASUREMENT

Non-Si units of measurement used in this report can be converted to SI (metric) as follows:

<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
Btu (International Table) per pound (mass) . degree Fahrenheit	4,186.8	joules per kilogram kelvin
Btu (International Table) . inch per hour . square inch . degree Fahrenheit	20.7688176	watts per metre kelvin
Calories per gram Fahrenheit degrees	4.184	kilojoules per kilogram
	5/9	Celsius degrees or kelvins*
feet	0.3048	metres
inches	25.4	millimetres
kips (force) per inch	1.213659	kilonewtons per metre
miles per hour (U.S. statute)	1.609347	kilometres per hour
pounds (force) per square inch	0.006894757	megapascals
pounds (mass) per cubic inch	27,679.899	kilograms per cubic metre
pounds (mass) per cubic foot	16.01846	kilograms per cubic metre

* To obtain Celsius (C) temperature reading from Fahrenheit (F) readings, use the following formula: $C = (5/9)(F-32)$. To obtain Kelvin (K) readings, use $K = (5/9)(F-32) + 273.15$.

APPENDIX A: PILE STIFFNESS CALCULATIONS

File Stiffness Calculations

Vertical pile stiffness:

$$k = 1.25(AE)/L$$

For a steel HP 14x117:

$$A = 34.4 \text{ in}^2$$

E = 29,000,000 psi

From plans provided:

L = 708 in

$$k = 1.25(34.4 \text{ in}^2)(29,000,000 \text{ psi}) / 708 \text{ in} = 1,761,300 \text{ lb/in/pile}$$

modifying k to reflect average pile stiffness of a row of piles parallel to the flow axis:

$$k_{av} = (1,761,300 \text{ lb/in/pile})(1 \text{ pile}/75 \text{ in})$$

$$k_{xy} = 23,500 \text{ lb/in/in}$$

Lateral pile stiffness:

Reduction factor for average stiffness to other piles in a row and for pile group effects:

$$rf = (12)(0.55)/(912) = .55/76 = 0.0072368$$

Results of COM624G analyses:

Force (lb)	Displacement (in)		Modified Displ.* (in)
	Profile 1	Profile 2	
0	0.0	0.0	0.0
4000	0.0356	0.0331	0.00024
8000	0.0745	0.0683	0.00049
12000	0.118	0.106	0.00077
16000	0.173	0.147	0.00106
20000	0.280	0.197	0.00143
24000	0.414	0.261	0.00189
48000	2.61	0.724	0.00524
76000	7.12	1.42	0.01028

* profile 2 displacements times rf

1000 TITLE
1005 OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 1
1010 UNITS
1020 ENGL
1030 PILE 59 1 708. 29000. 0.
1040 0. 14.885 1220. 34.4
1050 SOIL 3
1060 1 4 0. 72. .125
1070 2 6 72. 216. .1 1.75 1.
1080 3 4 216. 800. .1
1090 WEIGHT 8
1100 0. .000075231
1105 60. .000075231
1110 60. .000076852
1115 72. .000076852
1120 72. .000067708
1120 216. .000067708
1130 216. .000072338
1135 800. .000072338
1136 STRENGTH 6
1137 0. 0. 40. .02
1137 72. 0. 40. .02
1138 72. .005208 0. 1.
1138 216. .005208 0. 1.
1139 216. 0. 35. .02
1139 800. 0. 35. .02
1140 BOUNDARY 1 8
1150 0 4. 0 0
1160 0 8. 0 0
1170 0 12. 0 0
1180 0 16. 0 0
1190 0 20. 0 0
1200 0 24. 0 0
1210 0 48. 0 0
1220 0 76. 0 0
1230 OUTPUT 1 2 1 5
1235 0 60 84 228 708
1240 CONTROL 100 .001 20
1250 END

***** UNIT DATA. *****

SYSTEM OF UNITS
(UP TO 16 CHAR.)
ENGL

***** FILE DATA. *****

NO. INCREMENTS FILE IS DIVIDED	NO. SEGMENTS WITH DIFFERENT CHARACTERISTICS	LENGTH OF FILE	MODULUS OF ELASTICITY	DEPTH
59	1	.708E+03	.290E+05	.000E+00

TOP OF SEGMENT	DIAMETER OF PILE	MOMENT OF INERTIA	CROSS-SECT. AREA
.000E+00	.149E+02	.122E+04	.344E+02

***** SOIL DATA. *****

NUMBER OF LAYERS
3

LAYER NUMBER	P-Y CURVE CONTROL CODE	TOP OF LAYER	BOTTOM OF LAYER	INITIALSOIL MODULI CONST.	FACTOR 'A'	FACTOR 'F'
1	4	.000E+00	.720E+02	.125E+00	.000E+00	.000E+00
2	6	.720E+02	.216E+03	.100E+00	.175E+01	.100E+01
3	4	.216E+03	.800E+03	.100E+00	.000E+00	.000E+00

***** UNIT WEIGHT DATA. *****

NO. POINTS FOR PLOT
OF EFF. UNIT WEIGHT
VS. DEPTH

DEPTH BELOW TOP TO POINT	EFFECTIVE UNIT WEIGHT
.000E+00	.752E-04
.600E+02	.752E-04

.600E+02	.769E-04
.720E+02	.769E-04
.720E+02	.677E-04
.216E+03	.677E-04
.216E+03	.723E-04
.800E+03	.723E-04

***** PROFILE DATA. *****

NO. POINTS FOR
STRENGTH PARAMETERS
VS. DEPTH
6

DEPTH BELOW TOP OF PILE	UNDRAINED SHEAR STRENGTH OF SOIL	ANGLE OF INTERNAL FRICTION IN RADIANS	STRAIN AT 50% STRESS LEVEL
.000E+00	.000E+00	.698E+00	.200E-01
.720E+02	.000E+00	.698E+00	.200E-01
.720E+02	.521E-02	.000E+00	.100E+01
.216E+03	.521E-02	.000E+00	.100E+01
.216E+03	.000E+00	.611E+00	.200E-01
.800E+03	.000E+00	.611E+00	.200E-01

***** P-Y DATA. *****

NO. OF
P-Y CURVES
0

***** OUTPUT DATA. *****

DATA OUTPUT CODE	OUTPUT INCREMENT CODE	P-Y PRINTOUT CODE	NO. DEPTHS TO PRINT FOR P-Y CURVES
1	2	1	5

DEPTH FOR
PRINTING
P-Y CURVES
.000E+00
.600E+02
.840E+02

.228E+03
.708E+03

***** FILE HEAD (BOUNDARY) DATA. *****

BOUNDARY CONDITION CODE	NO. OF SETS OF BOUNDARY CONDITIONS
1	8

FILE HEAD PRINTOUT CODE	LATERAL LOAD AT TOP OF PILE	VALUE OF SECOND BOUNDARY CONDITION	AXIAL LOAD ON PILE
0	.400E+01	.000E+00	.000E+00
0	.800E+01	.000E+00	.000E+00
0	.120E+02	.000E+00	.000E+00
0	.160E+02	.000E+00	.000E+00
0	.200E+02	.000E+00	.000E+00
0	.240E+02	.000E+00	.000E+00
0	.480E+02	.000E+00	.000E+00
0	.760E+02	.000E+00	.000E+00

***** CYCLIC DATA. *****

CYCLIC(0) OR STATIC(1) LOADING	NO. CYCLES OF LOADING
0	.000E+00

***** PROGRAM CONTROL DATA. *****

MAX. NO. OF ITERATIONS	TOLERANCE ON SOLUTION CONVERGENCE	FILE HEAD DEFLECTION FLAG (STOPS RUN)
100	.100E-02	.200E+02

GENERATED P-Y CURVES

THE NUMBER OF CURVES

= 5

THE NUMBER OF POINTS ON EACH CURVE

= 17

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
.00	14.89	40.0	.8E-04	.75	.53	.00E+00	.00E+00

Y	P
IN	LBS/IN
.000	.000
.021	.000
.041	.000
.062	.000
.083	.000
.103	.000
.124	.000
.145	.000
.165	.000
.186	.000
.207	.000
.227	.000
.248	.000
.558	.000
5.334	.000
10.109	.000
14.885	.000

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
60.00	14.89	40.0	.8E-04	.90	.55	.15E+01	.70E+01

Y	P
IN	LBS/IN
.000	.000
.021	.155
.041	.310
.062	.421
.083	.487
.103	.545
.124	.598
.145	.647
.165	.692
.186	.735
.207	.775
.227	.814
.248	.851
.558	1.391
5.334	1.391
10.109	1.391
14.885	1.391

DEPTH IN	DIAM IN	C LBS/IN**2	CAVG LBS/IN**3	GAMMA LBS/IN**3	E50
84.00	14.885	.5E-02	.7E-03	.7E-04	.100E+01
		Y		P	
		IN		LBS/IN	
		.000		.000	
		2.171		.037	
		4.341		.046	
		6.512		.053	
		8.683		.058	
		10.854		.062	
		13.024		.066	
		15.195		.070	
		17.366		.073	
		19.537		.076	
		21.707		.079	
		23.878		.081	
		26.049		.084	
		191.024		.069	
		356.000		.054	
		520.975		.039	
		781.463		.039	

DEPTH IN	DIAM IN	PHI DEG	GAMMA LBS/IN**3	A	B	PCT	PCD
228.00	14.89	35.0	.7E-04	.88	.55	.12E+02	.13E+02
			Y			P	
			IN			LBS/IN	
			.000			.000	
			.021			.471	
			.041			.943	
			.062			1.414	
			.083			1.885	
			.103			2.357	
			.124			2.828	
			.145			3.300	
			.165			3.771	
			.186			4.242	
			.207			4.714	
			.227			5.185	
			.248			5.656	
			.558			10.287	
			5.334			10.287	
			10.109			10.287	
			14.885			10.287	

DEPTH IN	DIAM IN	PHI DEG	GAMMA LBS/IN**3	A	B	PCT	PCD
708.00	14.89	35.0	.7E-04	.88	.55	.11E+03	.41E+02

Y IN	P LBS/IN
.000	.000
.021	1.464
.041	2.927
.062	4.391
.083	5.855
.103	7.318
.124	8.782
.145	10.246
.165	11.710
.186	13.173
.207	14.637
.227	16.101
.248	17.564
.558	35.779
5.334	35.779
10.109	35.779
14.885	35.779

OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 1

UNITS--ENGL

OUTPUT INFORMATION

NO. OF ITERATIONS = 3
MAXIMUM DEFLECTION ERROR = .254E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .40000E+01 LBS
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.44774E-03

THE OVERALL MOMENT IMBALANCE = -.206E-05 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = -.683E-13 LBS

PILE HEAD DEFLECTION = .356E-01 IN
MAXIMUM BENDING MOMENT = .142E+03 IN-LBS
MAXIMUM TOTAL STRESS = .864E+00 LBS/IN**2
MAXIMUM SHEAR FORCE = .400E+01 LBS

NO. OF ITERATIONS = 3
MAXIMUM DEFLECTION ERROR = .255E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .80000E+01 LBS
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.92847E-03

THE OVERALL MOMENT IMBALANCE = -.581E-05 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = -.802E-12 LBS

PILE HEAD DEFLECTION = .745E-01 IN
MAXIMUM BENDING MOMENT = .291E+03 IN-LBS
MAXIMUM TOTAL STRESS = .178E+01 LBS/IN**2
MAXIMUM SHEAR FORCE = .800E+01 LBS

NO. OF ITERATIONS = 3
MAXIMUM DEFLECTION ERROR = .971E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .12000E+02 LBS
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.14529E-02

THE OVERALL MOMENT IMBALANCE = .680E-05 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = -.128E-11 LBS

PILE HEAD DEFLECTION = .118E+00 IN
MAXIMUM BENDING MOMENT = .453E+03 IN-LBS
MAXIMUM TOTAL STRESS = .276E+01 LBS/IN**2
MAXIMUM SHEAR FORCE = .120E+02 LBS

NO. OF ITERATIONS = 5
MAXIMUM DEFLECTION ERROR = .820E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .16000E+02 LBS
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.20648E-02

THE OVERALL MOMENT IMBALANCE = .648E-05 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = -.204E-12 LBS

PILE HEAD DEFLECTION = .173E+00 IN
MAXIMUM BENDING MOMENT = .629E+03 IN-LBS
MAXIMUM TOTAL STRESS = .384E+01 LBS/IN**2
MAXIMUM SHEAR FORCE = .160E+02 LBS

NO. OF ITERATIONS = 9
MAXIMUM DEFLECTION ERROR = .934E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .20000E+02 LBS
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.29968E-02

THE OVERALL MOMENT IMBALANCE = -.549E-05 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = -.202E-11 LBS

PILE HEAD DEFLECTION = .280E+00 IN
MAXIMUM BENDING MOMENT = .822E+03 IN-LBS
MAXIMUM TOTAL STRESS = .502E+01 LBS/IN**2
MAXIMUM SHEAR FORCE = .200E+02 LBS

NO. OF ITERATIONS = 9
MAXIMUM DEFLECTION ERROR = .967E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .24000E+02 LBS
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.40667E-02

THE OVERALL MOMENT IMBALANCE = -.218E-04 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = .274E-11 LBS

PILE HEAD DEFLECTION = .414E+00 IN
MAXIMUM BENDING MOMENT = .102E+04 IN-LBS
MAXIMUM TOTAL STRESS = .622E+01 LBS/IN**2
MAXIMUM SHEAR FORCE = .240E+02 LBS

NO. OF ITERATIONS = 22
MAXIMUM DEFLECTION ERROR = .770E-03 IN

**** WARNING ****
MAXIMUM MOMENT IMBALANCE FOR ANY ELEMENT = -.217E-03 IN-LBS

COMPUTED LATERAL FORCE AT PILE HEAD = .480000E+02 LBS
COMPUTED MOMENT AT PILE HEAD = .000000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.17724E-01

THE OVERALL MOMENT IMBALANCE = .575E-04 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = -.226E-10 LBS

PILE HEAD DEFLECTION = .261E+01 IN
MAXIMUM BENDING MOMENT = .287E+04 IN-LBS
MAXIMUM TOTAL STRESS = .175E+02 LBS/IN**2
MAXIMUM SHEAR FORCE = .480E+02 LBS

NO. OF ITERATIONS = 12
MAXIMUM DEFLECTION ERROR = .787E-03 IN

**** WARNING ****
MAXIMUM MOMENT IMBALANCE FOR ANY ELEMENT = -.282E-03 IN-LBS

COMPUTED LATERAL FORCE AT PILE HEAD = .760000E+02 LBS
COMPUTED MOMENT AT PILE HEAD = .000000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.43811E-01

THE OVERALL MOMENT IMBALANCE = .653E-03 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = .780E-10 LBS

PILE HEAD DEFLECTION = .712E+01 IN
MAXIMUM BENDING MOMENT = .862E+04 IN-LBS
MAXIMUM TOTAL STRESS = .526E+02 LBS/IN**2
MAXIMUM SHEAR FORCE = .760E+02 LBS

OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 1

S U M M A R Y T A B L E

LATERAL LOAD (LBS)	BOUNDARY CONDITION BC2	AXIAL LOAD (LBS)	YT (IN)	ST (IN/IN)	MAX. MOMENT (IN-LBS)	MAX. STRESS (LBS/IN**2)
.400E+01	.000E+00	.000E+00	.356E-01	-.448E-03	.142E+03	.864E+00
.800E+01	.000E+00	.000E+00	.745E-01	-.928E-03	.291E+03	.178E+01
.120E+02	.000E+00	.000E+00	.118E+00	-.145E-02	.453E+03	.276E+01
.160E+02	.000E+00	.000E+00	.173E+00	-.206E-02	.629E+03	.384E+01
.200E+02	.000E+00	.000E+00	.280E+00	-.300E-02	.822E+03	.502E+01
.240E+02	.000E+00	.000E+00	.414E+00	-.407E-02	.102E+04	.622E+01
.480E+02	.000E+00	.000E+00	.261E+01	-.177E-01	.287E+04	.175E+02
.760E+02	.000E+00	.000E+00	.712E+01	-.438E-01	.862E+04	.526E+02

1000 TITLE
1005 OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 2
1010 UNITS
1020 ENGL
1030 PILE 59 1 708. 29000. 0.
1040 0. 14.885 1220. 34.4
1050 SOIL 4
1060 1 4 0. 72. .125
1065 2 4 72. 240. .11
1070 2 6 240. 324. .1 1.75 1.
1080 3 4 324. 800. .1
1090 WEIGHT 10
1100 0. .000075231
1105 60. .000075231
1110 60. .000076852
1115 72. .000076852
1120 72. .000072338
1121 240. .000072338
1122 240. .000067708
1120 324. .000067708
1130 324. .000072338
1135 800. .000072338
1136 STRENGTH 8
1137 0. 0. 40. .02
1137 72. 0. 40. .02
1137 72. 0. 38. .02
1137 240. 0. 38. .02
1138 240. .005208 0. 1.
1138 324. .005208 0. 1.
1139 324. 0. 35. .02
1139 800. 0. 35. .02
1140 BOUNDARY 1 8
1150 0 4. 0 0
1160 0 8. 0 0
1170 0 12. 0 0
1180 0 16. 0 0
1190 0 20. 0 0
1200 0 24. 0 0
1210 0 48. 0 0
1220 0 76. 0 0
1230 OUTPUT 1 2 1 5
1235 0 60 84 228 708
1240 CONTROL 100 .001 20
1250 END

***** UNIT DATA. *****

SYSTEM OF UNITS
(UP TO 16 CHAR.)
ENGL

***** FILE DATA. *****

NO. INCREMENTS FILE IS DIVIDED	NO. SEGMENTS WITH DIFFERENT CHARACTERISTICS	LENGTH OF FILE	MODULUS OF ELASTICITY	DEPTH
59	1	.708E+03	.290E+05	.000E+00

TOP OF SEGMENT	DIAMETER OF FILE	MOMENT OF INERTIA	CROSS-SECT. AREA
.000E+00	.149E+02	.122E+04	.344E+02

***** SOIL DATA. *****

NUMBER OF LAYERS
4

LAYER NUMBER	P-Y CURVE CONTROL CODE	TOP OF LAYER	BOTTOM OF LAYER	INITIALSOIL MODULI CONST.	FACTOR 'A'	FACTOR 'F'
1	4	.000E+00	.720E+02	.125E+00	.000E+00	.000E+00
2	4	.720E+02	.240E+03	.110E+00	.000E+00	.000E+00
2	6	.240E+03	.324E+03	.100E+00	.175E+01	.100E+01
3	4	.324E+03	.800E+03	.100E+00	.000E+00	.000E+00

***** UNIT WEIGHT DATA. *****

NO. POINTS FOR PLOT
OF EFF. UNIT WEIGHT
VS. DEPTH
10

DEPTH BELOW TOP TO POINT	EFFECTIVE UNIT WEIGHT
.000E+00	.752E-04
.600E+02	.752E-04
.600E+02	.769E-04
.720E+02	.769E-04
.720E+02	.723E-04
.240E+03	.723E-04
.240E+03	.677E-04
.324E+03	.677E-04
.324E+03	.723E-04
.800E+03	.723E-04

***** PROFILE DATA. *****

NO. POINTS FOR
STRENGTH PARAMETERS
VS. DEPTH
8

DEPTH BELOW TOP OF PILE	UNDRAINED SHEAR STRENGTH OF SOIL	ANGEL OF INTERNAL FRICTION IN RADIANS	STRAIN AT 50% STRESS LEVEL
.000E+00	.000E+00	.698E+00	.200E-01
.720E+02	.000E+00	.698E+00	.200E-01
.720E+02	.000E+00	.663E+00	.200E-01
.240E+03	.000E+00	.663E+00	.200E-01
.240E+03	.521E-02	.000E+00	.100E+01
.324E+03	.521E-02	.000E+00	.100E+01
.324E+03	.000E+00	.611E+00	.200E-01
.800E+03	.000E+00	.611E+00	.200E-01

***** P-Y DATA. *****

NO. OF
P-Y CURVES
0

***** OUTPUT DATA. *****

DATA OUTPUT CODE	OUTPUT INCREMENT CODE	P-Y PRINTOUT CODE	NO. DEPTHS TO PRINT FOR P-Y CURVES
1	2	1	5

DEPTH FOR
PRINTING
P-Y CURVES
.000E+00
.600E+02
.840E+02
.228E+03
.708E+03

***** FILE HEAD (BOUNDARY) DATA. *****

BOUNDARY CONDITION CODE	NO. OF SETS OF BOUNDARY CONDITIONS
1	8

FILE HEAD PRINTOUT CODE	LATERAL LOAD AT TOP OF PILE	VALUE OF SECOND BOUNDARY CONDITION	AXIAL LOAD ON PILE
0	.400E+01	.000E+00	.000E+00
0	.800E+01	.000E+00	.000E+00
0	.120E+02	.000E+00	.000E+00
0	.160E+02	.000E+00	.000E+00
0	.200E+02	.000E+00	.000E+00
0	.240E+02	.000E+00	.000E+00
0	.480E+02	.000E+00	.000E+00
0	.760E+02	.000E+00	.000E+00

***** CYCLIC DATA. *****

CYCLIC(0) OR STATIC(1) LOADING	NO. CYCLES OF LOADING
0	.000E+00

***** PROGRAM CONTROL DATA. *****

MAX. NO. OF ITERATIONS	TOLERANCE ON SOLUTION CONVERGENCE	FILE HEAD DEFLECTION FLAG (STOPS RUN)
100	.100E-02	.200E+02

GENERATED P-Y CURVES

THE NUMBER OF CURVES

= 5

THE NUMBER OF POINTS ON EACH CURVE

= 17

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
.00	14.89	40.0	.8E-04	.75	.53	.00E+00	.00E+00

Y	P
IN	LBS/IN
.000	.000
.021	.000
.041	.000
.062	.000
.083	.000
.103	.000
.124	.000
.145	.000
.165	.000
.186	.000
.207	.000
.227	.000
.248	.000
.558	.000
5.334	.000
10.109	.000
14.885	.000

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
60.00	14.89	40.0	.8E-04	.90	.55	.15E+01	.70E+01

Y	P
IN	LBS/IN
.000	.000
.021	.155
.041	.310
.062	.421
.083	.487
.103	.545
.124	.598
.145	.647
.165	.692
.186	.735
.207	.775
.227	.814
.248	.851
.558	1.391
5.334	1.391
10.109	1.391
14.885	1.391

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
84.00	14.89	38.0	.8E-04	.88	.55	.24E+01	.75E+01

Y	P
IN	LBS/IN
.000	.000
.021	.191
.041	.382
.062	.573
.083	.764
.103	.875
.124	.955
.145	1.028
.165	1.096
.186	1.160
.207	1.220
.227	1.277
.248	1.332
.558	2.131
5.334	2.131
10.109	2.131
14.885	2.131

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
228.00	14.89	38.0	.7E-04	.88	.55	.16E+02	.20E+02

Y	P
IN	LBS/IN
.000	.000
.021	.518
.041	1.037
.062	1.555
.083	2.074
.103	2.592
.124	3.111
.145	3.629
.165	4.148
.186	4.666
.207	5.185
.227	5.703
.248	6.222
.558	13.853
5.334	13.853
10.109	13.853
14.885	13.853

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
708.00	14.89	35.0	.7E-04	.88	.55	.11E+03	.41E+02

Y	P
IN	LBS/IN
.000	.000
.021	1.464
.041	2.927
.062	4.391
.083	5.855
.103	7.318
.124	8.782
.145	10.246
.165	11.710
.186	13.173
.207	14.637
.227	16.101
.248	17.564
.558	35.974
5.334	35.974
10.109	35.974
14.885	35.974

OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 2

UNITS--ENGL

OUTPUT INFORMATION

NO. OF ITERATIONS = 2
MAXIMUM DEFLECTION ERROR = .000E+00 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .40000E+01 LBS
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.44670E-03

THE OVERALL MOMENT IMBALANCE = .269E-05 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = .304E-12 LBS

PILE HEAD DEFLECTION = .331E-01 IN
MAXIMUM BENDING MOMENT = .152E+03 IN-LBS
MAXIMUM TOTAL STRESS = .927E+00 LBS/IN**2
MAXIMUM SHEAR FORCE = .400E+01 LBS

NO. OF ITERATIONS = 3
MAXIMUM DEFLECTION ERROR = .121E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .80000E+01 LBS
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.91851E-03

THE OVERALL MOMENT IMBALANCE = -.369E-05 IN-LBS
THE OVERALL LATERAL FORCE IMBALANCE = -.315E-12 LBS

PILE HEAD DEFLECTION = .683E-01 IN
MAXIMUM BENDING MOMENT = .312E+03 IN-LBS
MAXIMUM TOTAL STRESS = .191E+01 LBS/IN**2
MAXIMUM SHEAR FORCE = .800E+01 LBS

NO. OF ITERATIONS = 3
MAXIMUM DEFLECTION ERROR = .433E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .12000E+02 LBS
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
COMPUTED SLOPE AT PILE HEAD = -.14143E-02

THE OVERALL MOMENT IMBALANCE = $-.245E-04$ IN-LBS
 THE OVERALL LATERAL FORCE IMBALANCE = $.525E-12$ LBS

PILE HEAD DEFLECTION = $.106E+00$ IN
 MAXIMUM BENDING MOMENT = $.481E+03$ IN-LBS
 MAXIMUM TOTAL STRESS = $.293E+01$ LBS/IN**2
 MAXIMUM SHEAR FORCE = $.120E+02$ LBS

NO. OF ITERATIONS = 3
 MAXIMUM DEFLECTION ERROR = $.796E-03$ IN

COMPUTED LATERAL FORCE AT PILE HEAD = $.16000E+02$ LBS
 COMPUTED MOMENT AT PILE HEAD = $.00000E+00$ IN-LBS
 COMPUTED SLOPE AT PILE HEAD = $-.19604E-02$

THE OVERALL MOMENT IMBALANCE = $.491E-04$ IN-LBS
 THE OVERALL LATERAL FORCE IMBALANCE = $-.530E-12$ LBS

PILE HEAD DEFLECTION = $.147E+00$ IN
 MAXIMUM BENDING MOMENT = $.666E+03$ IN-LBS
 MAXIMUM TOTAL STRESS = $.406E+01$ LBS/IN**2
 MAXIMUM SHEAR FORCE = $.160E+02$ LBS

NO. OF ITERATIONS = 5
 MAXIMUM DEFLECTION ERROR = $.445E-03$ IN

COMPUTED LATERAL FORCE AT PILE HEAD = $.20000E+02$ LBS
 COMPUTED MOMENT AT PILE HEAD = $.00000E+00$ IN-LBS
 COMPUTED SLOPE AT PILE HEAD = $-.25808E-02$

THE OVERALL MOMENT IMBALANCE = $.336E-04$ IN-LBS
 THE OVERALL LATERAL FORCE IMBALANCE = $.444E-12$ LBS

PILE HEAD DEFLECTION = $.197E+00$ IN
 MAXIMUM BENDING MOMENT = $.870E+03$ IN-LBS
 MAXIMUM TOTAL STRESS = $.531E+01$ LBS/IN**2
 MAXIMUM SHEAR FORCE = $.200E+02$ LBS

NO. OF ITERATIONS = 5
 MAXIMUM DEFLECTION ERROR = $.862E-03$ IN

COMPUTED LATERAL FORCE AT PILE HEAD = $.24000E+02$ LBS
 COMPUTED MOMENT AT PILE HEAD = $.00000E+00$ IN-LBS
 COMPUTED SLOPE AT PILE HEAD = $-.33201E-02$

THE OVERALL MOMENT IMBALANCE = $.484E-04$ IN-LBS
 THE OVERALL LATERAL FORCE IMBALANCE = $.480E-13$ LBS

FILE HEAD DEFLECTION = .261E+00 IN
 MAXIMUM BENDING MOMENT = .111E+04 IN-LBS
 MAXIMUM TOTAL STRESS = .676E+01 LBS/IN**2
 MAXIMUM SHEAR FORCE = .240E+02 LBS

NO. OF ITERATIONS = 7
 MAXIMUM DEFLECTION ERROR = .916E-03 IN

**** WARNING ****

MAXIMUM MOMENT IMBALANCE FOR ANY ELEMENT = -.187E-03 IN-LBS

COMPUTED LATERAL FORCE AT PILE HEAD = .48000E+02 LBS
 COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
 COMPUTED SLOPE AT PILE HEAD = -.84146E-02

THE OVERALL MOMENT IMBALANCE = .699E-04 IN-LBS
 THE OVERALL LATERAL FORCE IMBALANCE = .440E-11 LBS

FILE HEAD DEFLECTION = .724E+00 IN
 MAXIMUM BENDING MOMENT = .265E+04 IN-LBS
 MAXIMUM TOTAL STRESS = .161E+02 LBS/IN**2
 MAXIMUM SHEAR FORCE = .480E+02 LBS

NO. OF ITERATIONS = 8
 MAXIMUM DEFLECTION ERROR = .986E-03 IN

**** WARNING ****

MAXIMUM MOMENT IMBALANCE FOR ANY ELEMENT = .276E-03 IN-LBS

COMPUTED LATERAL FORCE AT PILE HEAD = .76000E+02 LBS
 COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS
 COMPUTED SLOPE AT PILE HEAD = -.15568E-01

THE OVERALL MOMENT IMBALANCE = -.763E-04 IN-LBS
 THE OVERALL LATERAL FORCE IMBALANCE = -.122E-10 LBS

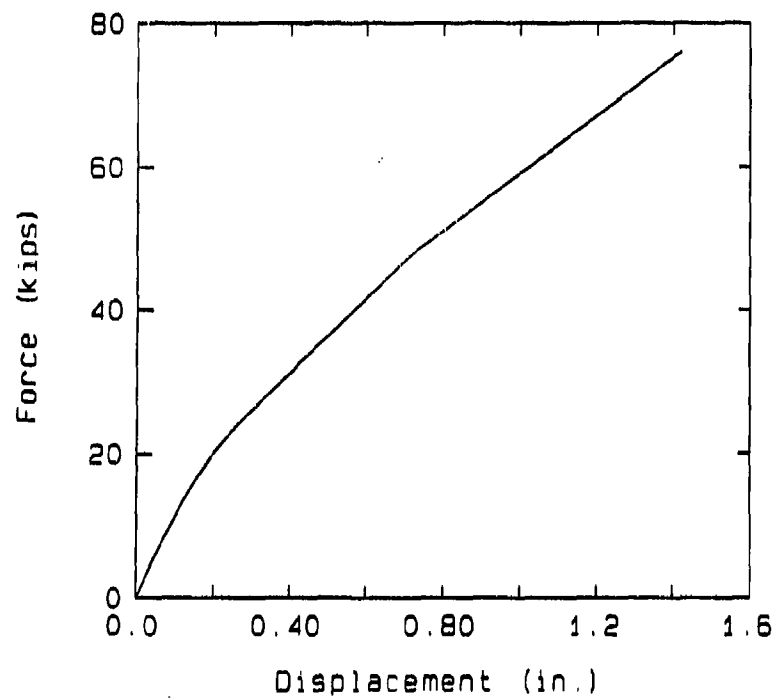
FILE HEAD DEFLECTION = .142E+01 IN
 MAXIMUM BENDING MOMENT = .467E+04 IN-LBS
 MAXIMUM TOTAL STRESS = .285E+02 LBS/IN**2
 MAXIMUM SHEAR FORCE = .760E+02 LBS

OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 2

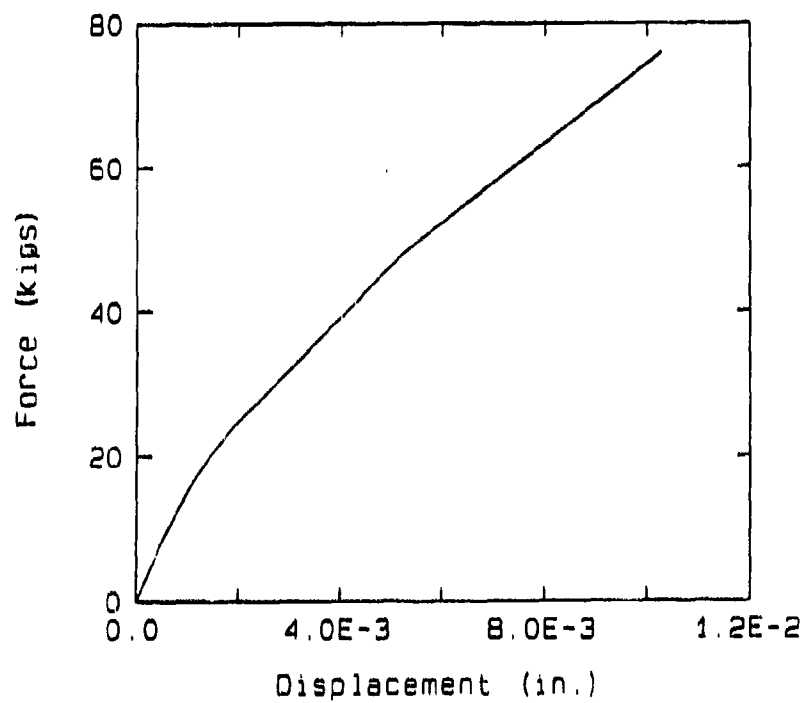
S U M M A R Y T A B L E *****

LATERAL LOAD (LBS)	BOUNDARY CONDITION BC2	AXIAL LOAD (LBS)	YT (IN)	ST (IN/IN)	MAX. MOMENT (IN-LBS)	MAX. STRESS (LBS/IN**2)
.400E+01	.000E+00	.000E+00	.331E-01	-.447E-03	.152E+03	.927E+00
.800E+01	.000E+00	.000E+00	.683E-01	-.919E-03	.312E+03	.191E+01
.120E+02	.000E+00	.000E+00	.106E+00	-.141E-02	.481E+03	.293E+01
.160E+02	.000E+00	.000E+00	.147E+00	-.196E-02	.666E+03	.406E+01
.200E+02	.000E+00	.000E+00	.197E+00	-.258E-02	.870E+03	.531E+01
.240E+02	.000E+00	.000E+00	.261E+00	-.332E-02	.111E+04	.676E+01
.480E+02	.000E+00	.000E+00	.724E+00	-.841E-02	.265E+04	.161E+02
.760E+02	.000E+00	.000E+00	.142E+01	-.156E-01	.467E+04	.285E+02

Lateral Pile Stiffness
Soil Profile 2



Average Lateral Pile Stiffness
Soil Profile 2

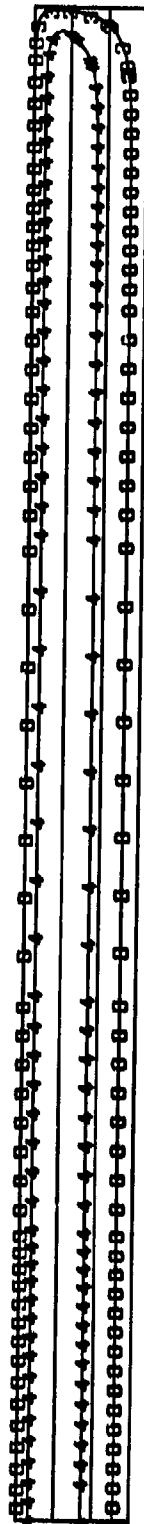


APPENDIX B: MIXTURE 11 TEMPERATURE CONTOUR PLOTS

TEMP
VALUE

1 +7.00E+01
2 +7.60E+01
3 +8.20E+01
4 +8.80E+01
5 +9.40E+01
6 +1.00E+02

RUN OMSTDT1
ambient temp. = 79 deg. F
time = 30 days

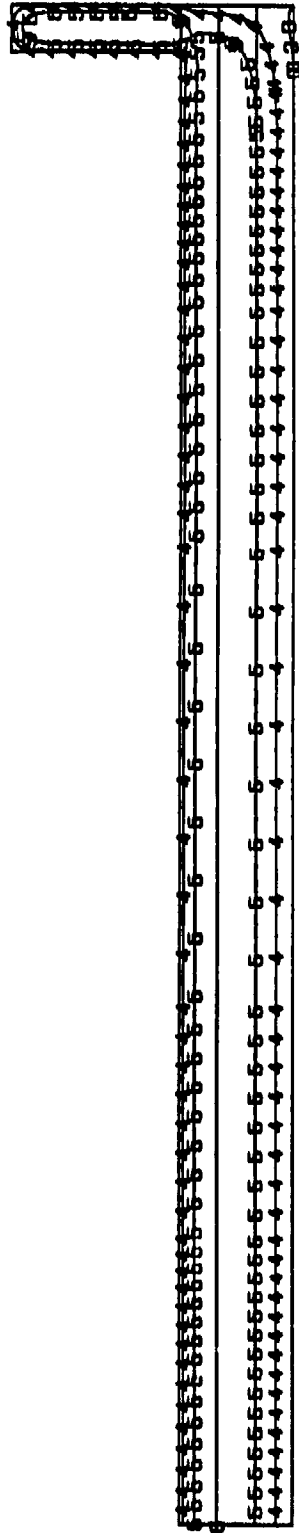


WFRAME, 60 DEG MIN PLMCT TEMP, JUNE 20 START, LIFTS 1_3

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +3.000E+01 STEP 9 INCREMENT 5

RUN OMSTDT1
 ambient temp. = 78.75 deg. F
 time = 35 days

TEMP
 VALUE
 1 +7.00E+01
 2 +7.40E+01
 3 +7.80E+01
 4 +8.20E+01
 5 +8.60E+01
 6 +9.00E+01



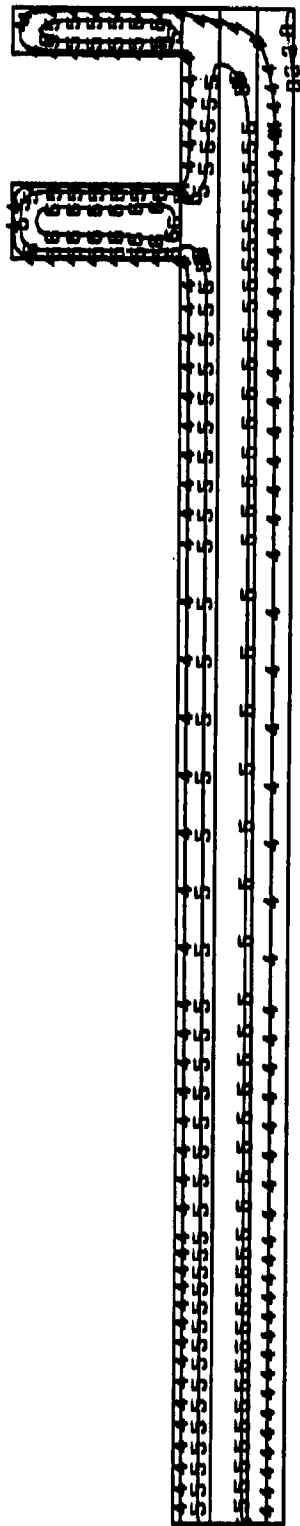
1
 WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_5

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.500E+01 STEP 11 INCREMENT 6

TEMP
VALUE

1 +7.00E+01
2 +7.40E+01
3 +7.80E+01
4 +8.20E+01
5 +8.60E+01
6 +9.00E+01

RUN OMSTDT1
ambient temp = 78.5 deg. F
time = 40 days



1

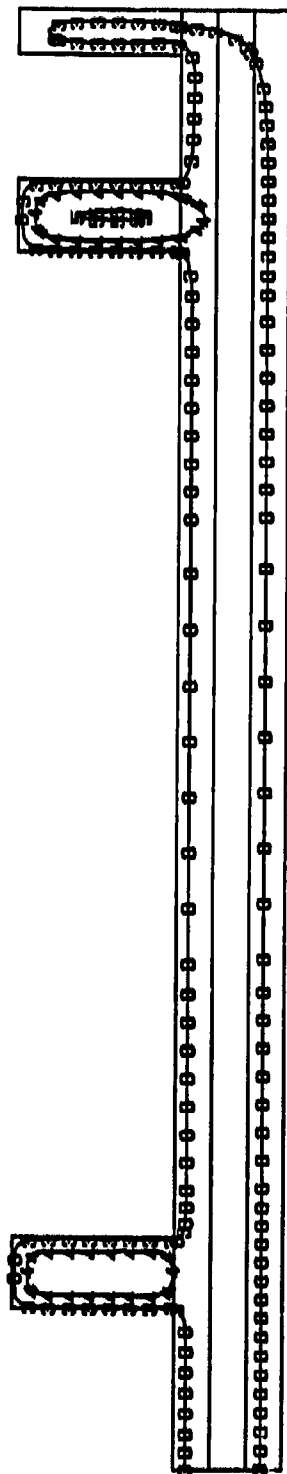
WFRAME, 60 DEG MIN PLGNT TEMP, JUNE 20 START, LIFTS L1_6

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.000E+01 STEP 13 INCREMENT 5

TEMP
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN 0MSTDT1
ambient temp. = 78 deg. F
time = 45 days



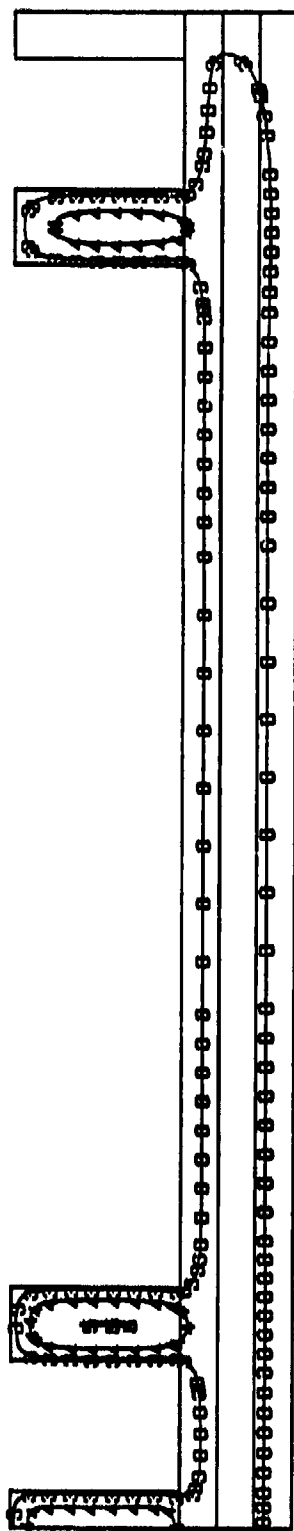
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L17

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+00 STEP 15 INCREMENT 5

TEMP
VALUE

1 +7.00E+01
2 +7.50E+01
3 +8.20E+01
4 +8.80E+01
5 +9.40E+01
6 +1.00E+02

RUN OMSTDT1
ambient temp. = 77.4 deg. F
time = 50 days



1

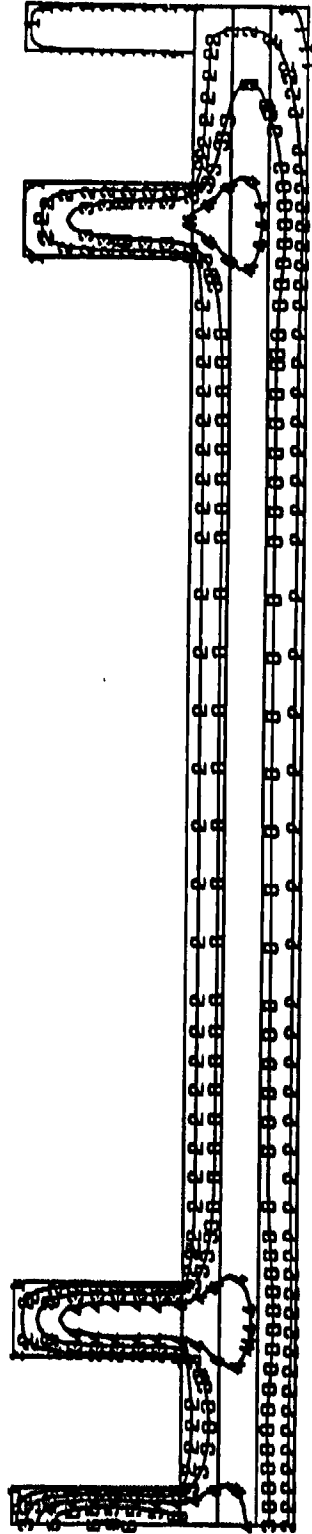
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +6.000E+01 STEP 17 INCREMENT 6

TEMP
VALUE

1	+7.50E+01
2	+7.78E+01
3	+7.95E+01
4	+8.14E+01
5	+8.32E+01
6	+8.50E+01

RUN 0MSTDT1
ambient temp = 75.7 days
time = 65 days



1

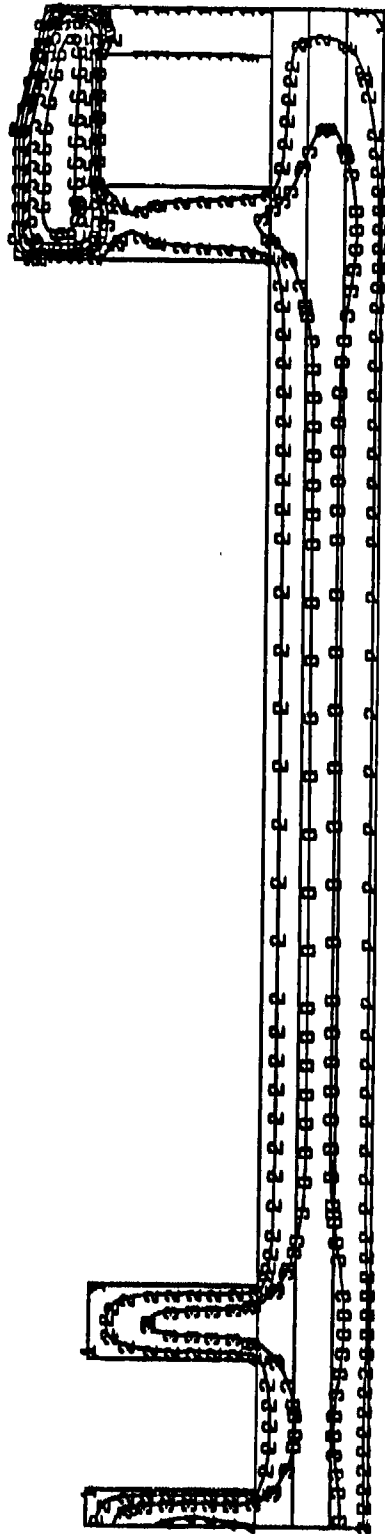
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS 1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.500E+01 STEP 18 INCREMENT 15

TEMP
VALUE

1 +7.50E+01
2 +7.72E+01
3 +7.94E+01
4 +8.16E+01
5 +8.38E+01
6 +8.60E+01

RUN OMSTDT1
ambient temp = 74.7 deg. F
time = 70 days



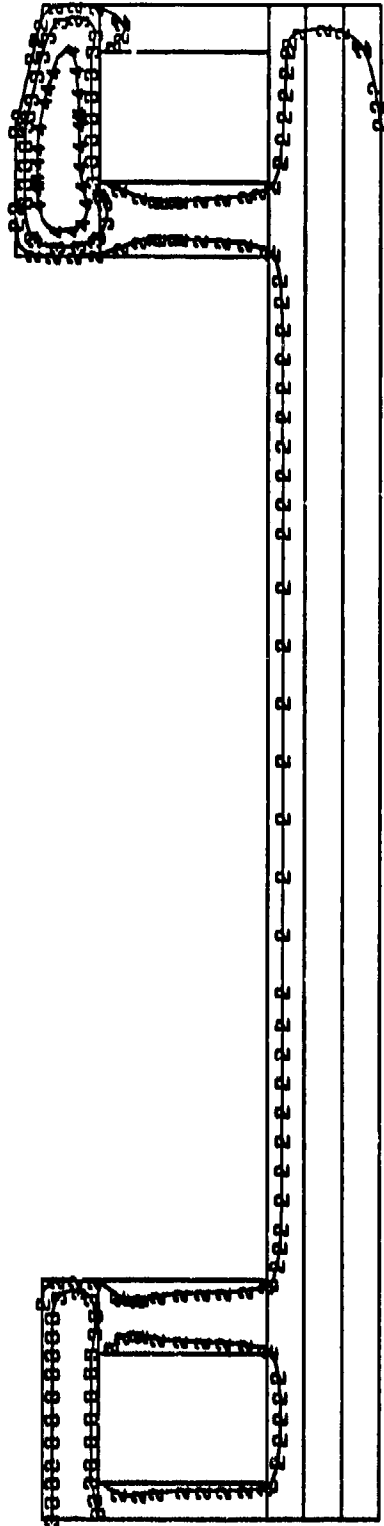
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_9

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 21 INCREMENT 1

TEMP
VALUE

1 +7.00E+01
2 +7.60E+01
3 +8.20E+01
4 +8.80E+01
5 +9.40E+01
6 +1.00E+02

RUN OMSTDT1
ambient temp = 73.2 deg. F
time = 75 days



1

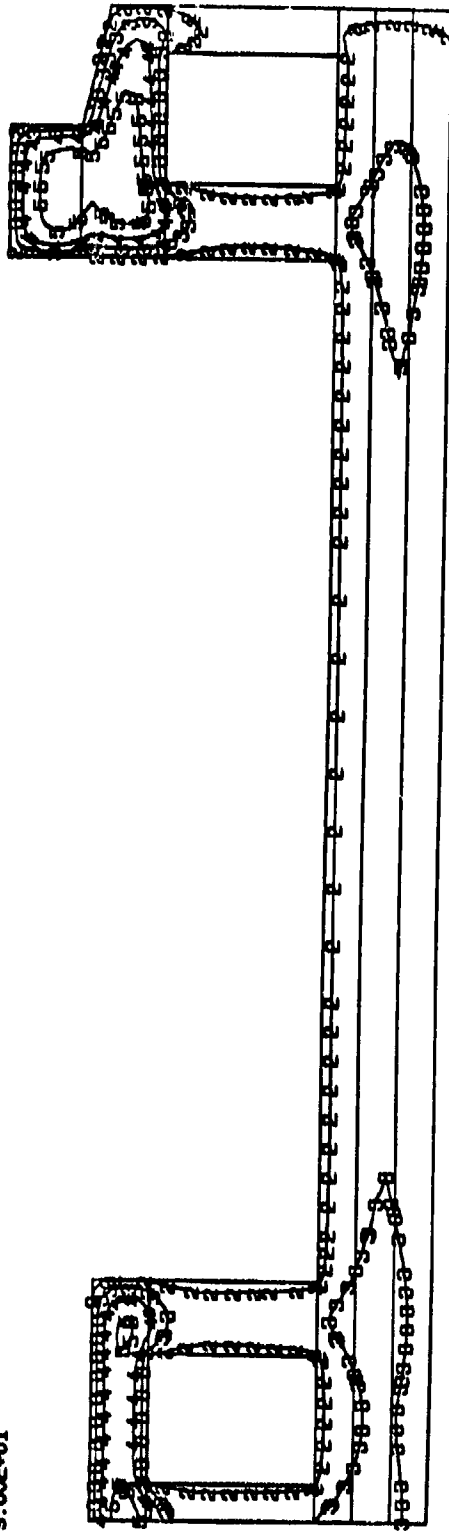
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_10

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.500E+01 STEP 24 INCREMENT 1

TEMP
VALUE

1 +7.00E+01
2 +7.40E+01
3 +7.80E+01
4 +8.20E+01
5 +8.60E+01
6 +9.00E+01

RUN OMSTDT1
ambient temp = 71.9 deg. F
time = 80 days



1

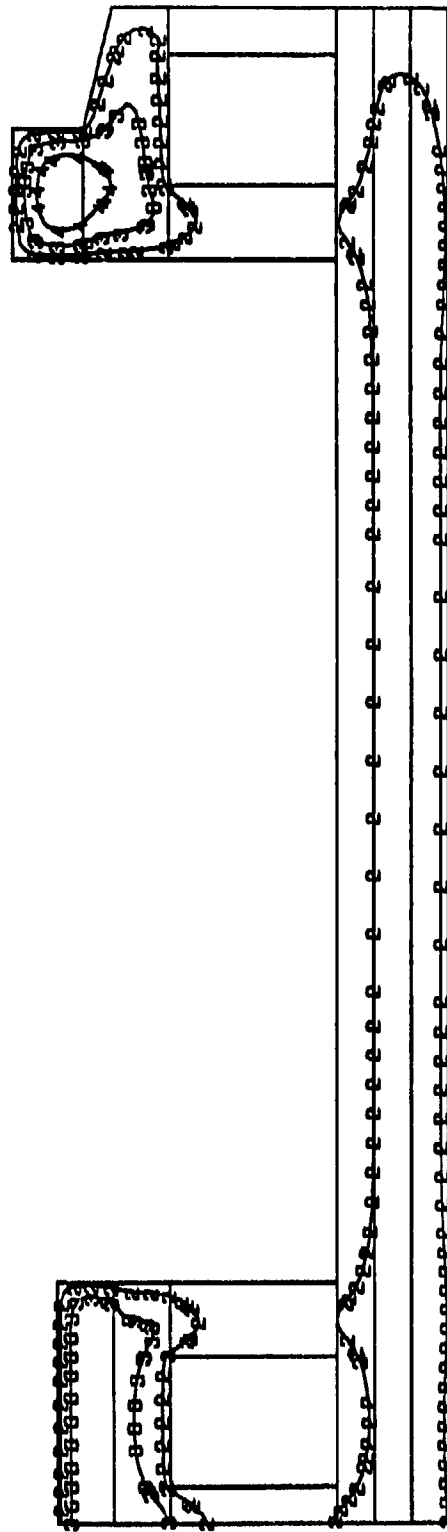
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_11

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 ■ STEP 1.6 INCREMENT 6

TEMP
VALUE

1 +7.63E+01
2 +7.60E+01
3 +8.20E+01
4 +8.80E+01
5 +9.40E+01
6 +1.00E+02

RUN ONSTD1
ambient temp. = 70.9 deg. F
time = 85 days



1

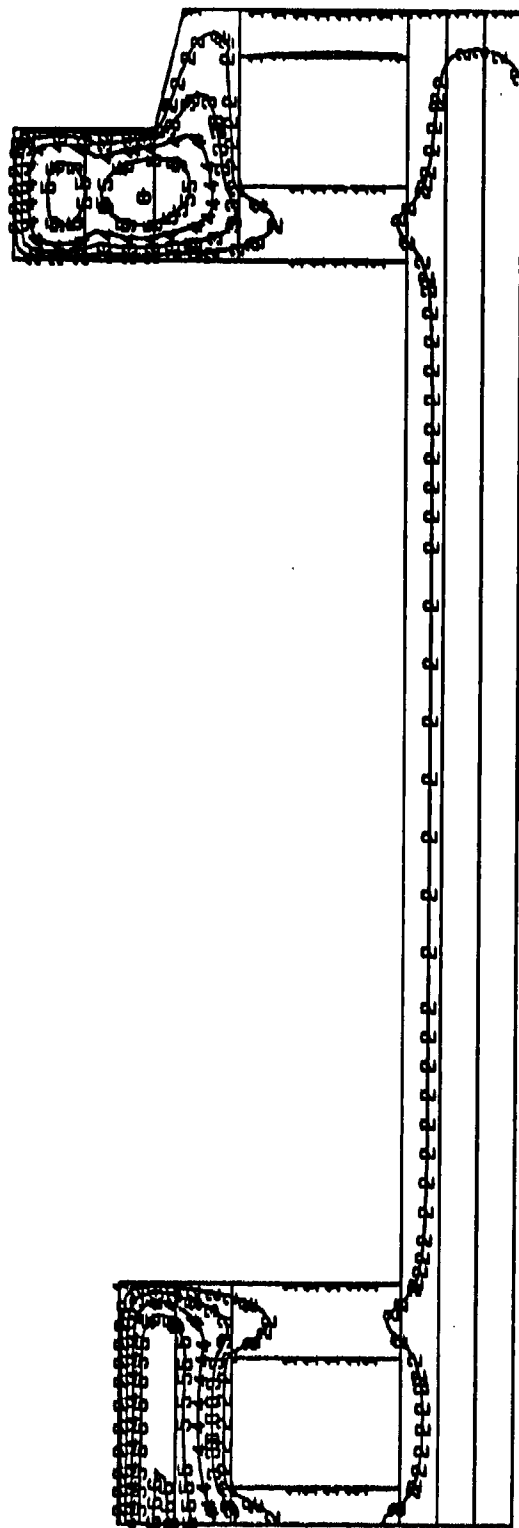
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_12

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.500E+01 STEP 28 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN 045TDT1
ambient temp. =69.3 deg. F
time = 90 days



B13

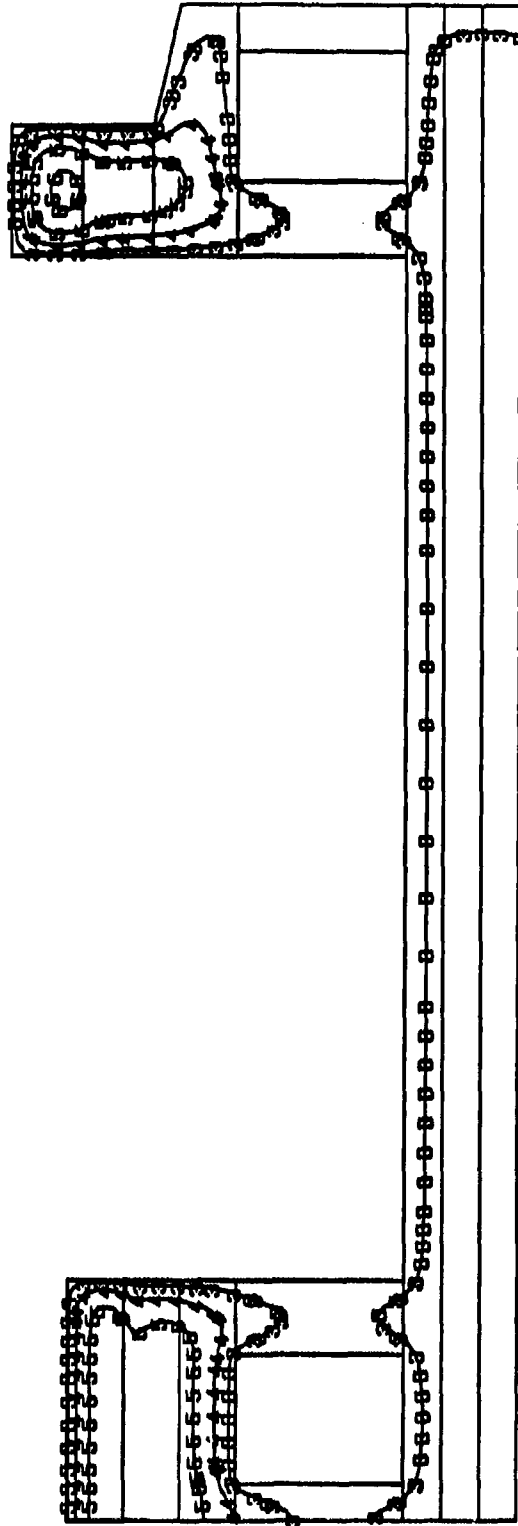
1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_13

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 STEP 30 INCREMENT 6

TEMP
VALUE

1 +6.00E+01
2 +6.60E+01
3 +7.20E+01
4 +7.80E+01
5 +8.40E+01
6 +9.00E+01

RUN OMSTDT1
ambient temp. = 67 deg. F
time = 95 days



B14

1

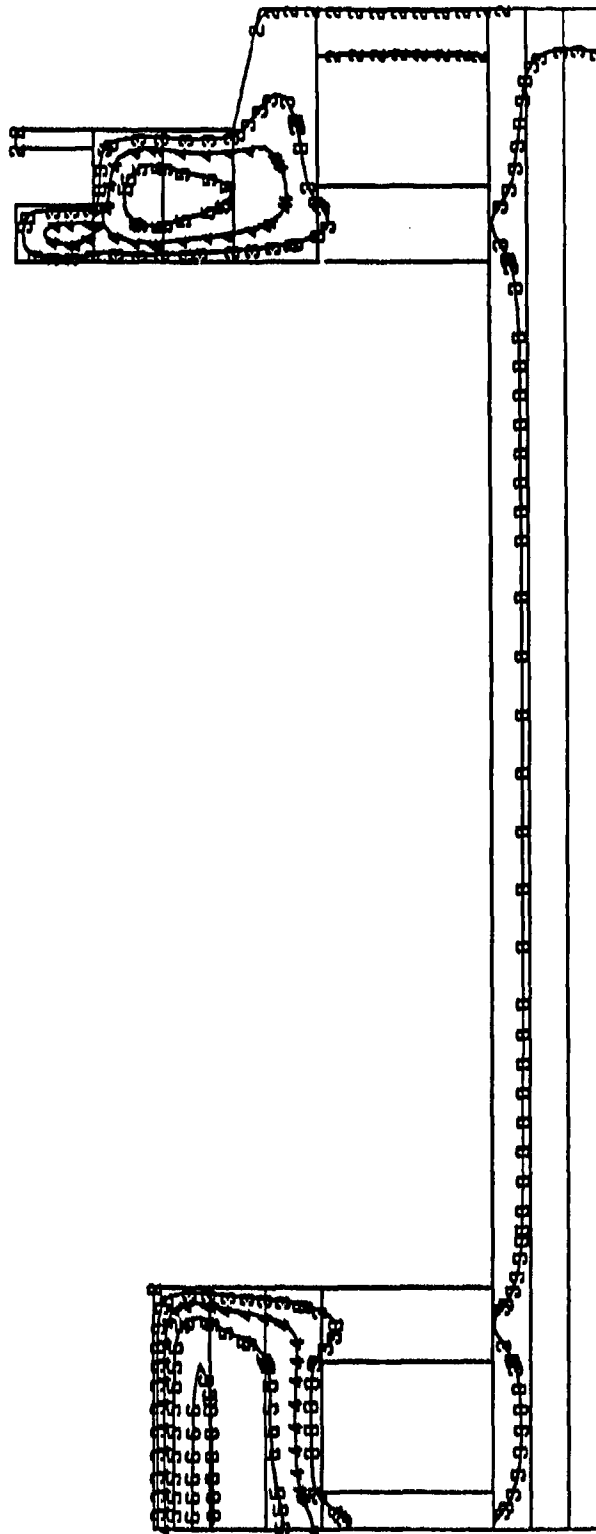
WFRAME, 60 DEG MIN PLGMT TEMP, JUNE 20 START, L1_14

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.600E+01 STEP 32 INCREMENT 6

TEMP
VALUE

1 +6.00E+01
2 +6.60E+01
3 +7.20E+01
4 +7.80E+01
5 +8.40E+01
6 +9.00E+01

RUN OMSTDT1
ambient temp = 65.4 deg. F
time = 100 days



1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_15

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 34 INCREMENT 6

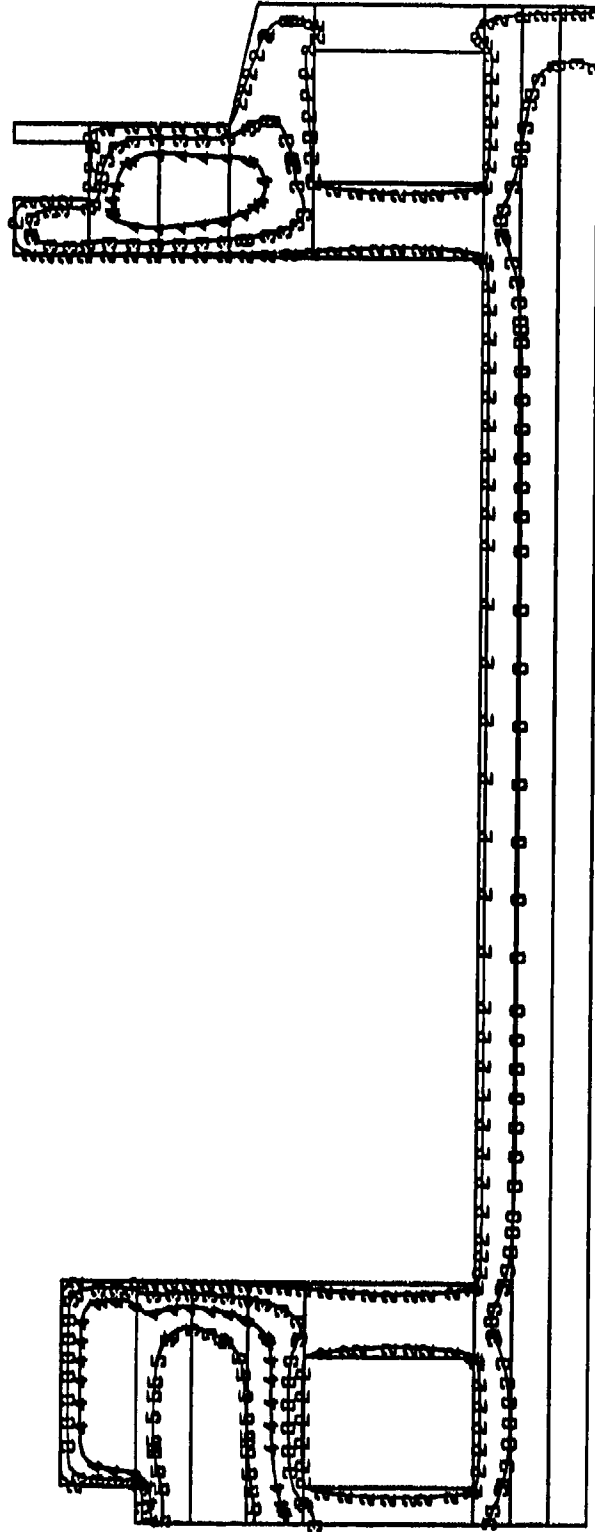
TEMP
VALUE

1	+6.00E+01
2	+6.50E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN ONSTDT1

ambient temp. = 63.5 deg. F

time = 105 days



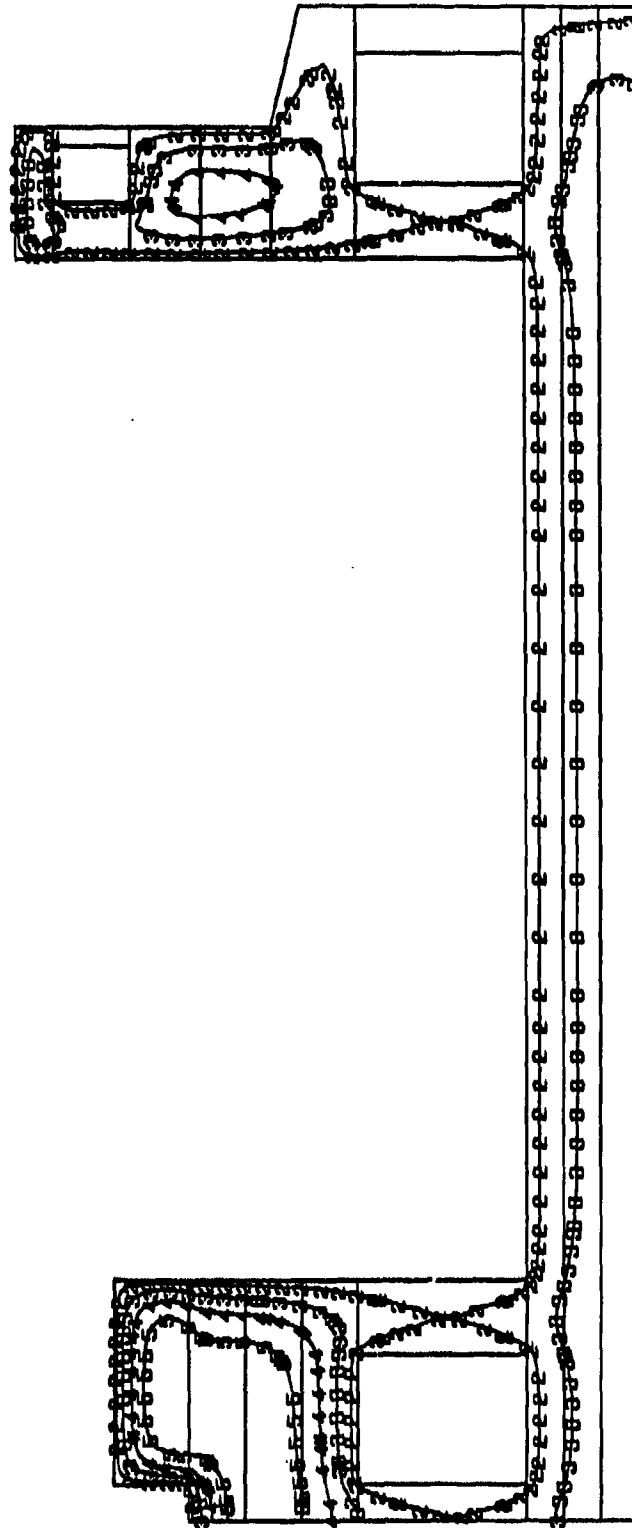
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_16

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.050E+02 ■ STEP 36 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN OMSTDT1
ambient temp = 61.3 deg. F
time = 110 days



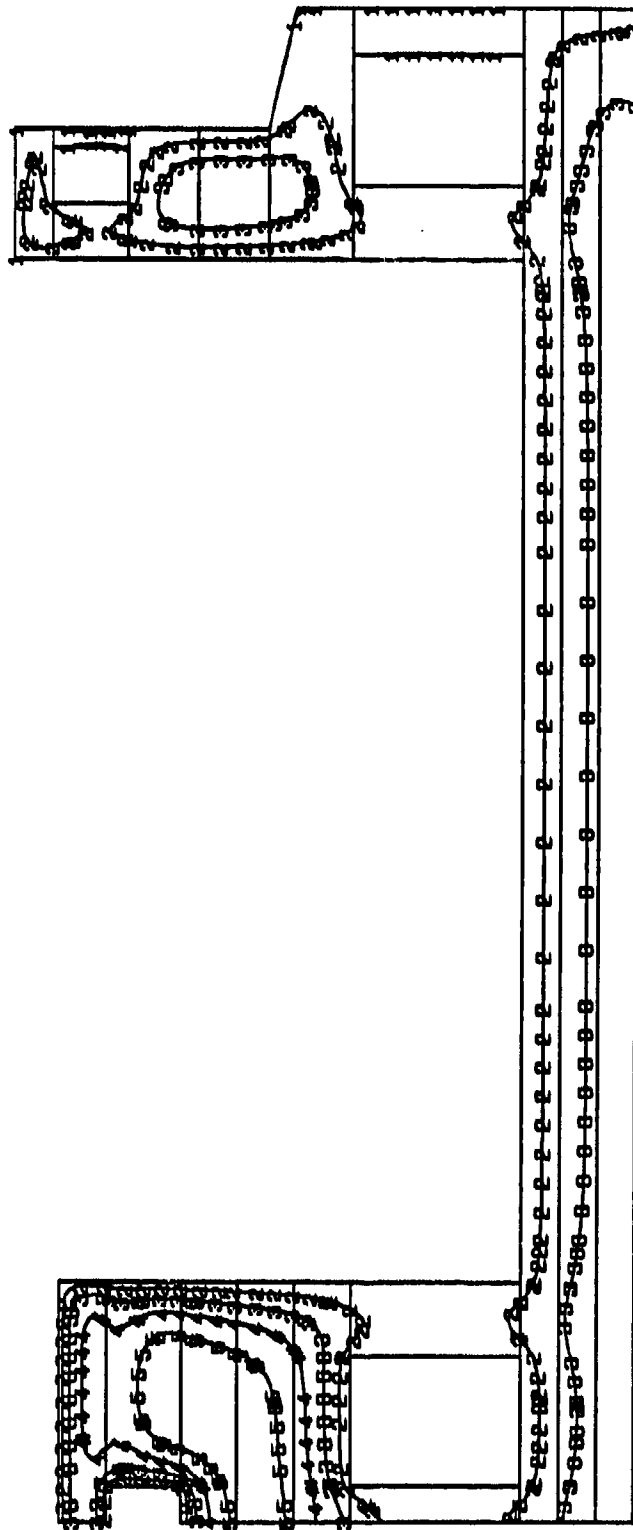
1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_17

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.100E+02 STEP 39 INCREMENT 1

TEMP
VALUE

1 +6.00E+01
2 +6.60E+01
3 +7.20E+01
4 +7.80E+01
5 +8.40E+01
6 +9.00E+01

RUN 04STDT1
ambient temp = 59.6 deg. F
time = 115 days



1

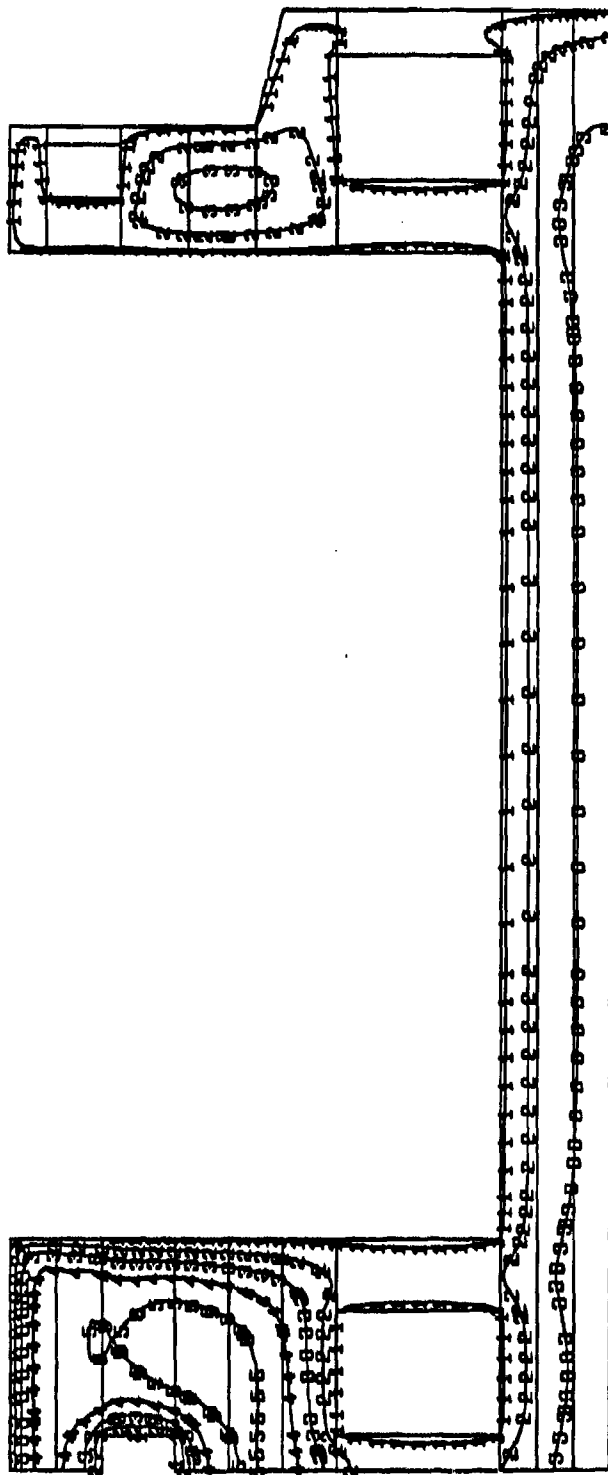
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_18

TIME COMPLETED IN THIS STEP +6.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 STEP 42 INCREMENT 1

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN OMSTDT1
ambient temp = 58 deg. F
time = 120 days



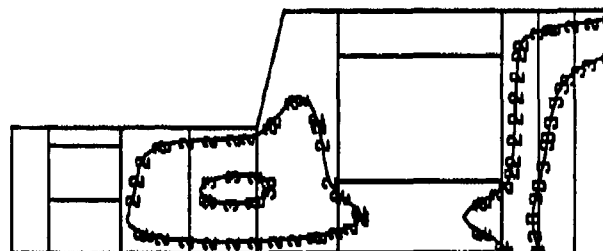
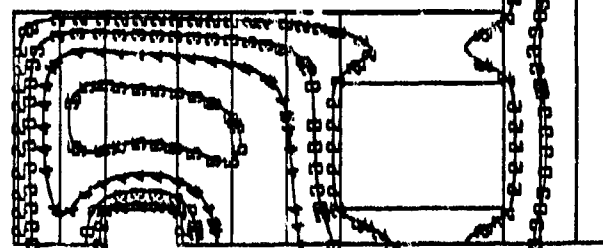
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_19

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 STEP 44 INCREMENT 6

TEMP
VALUE

1	+5.30E+01
2	+5.80E+01
3	+6.60E+01
4	+7.40E+01
5	+8.20E+01
6	+9.00E+01

RUN OMSTDT1
ambient temp = 52 deg. F
time = 133 days



B20

1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, LIFTS 1_19
TIME COMPLETED IN THIS STEP +1.300E+02 TOTAL ACCUMULATED TIME +1.530E+02 STEP 45 INCREMENT 13

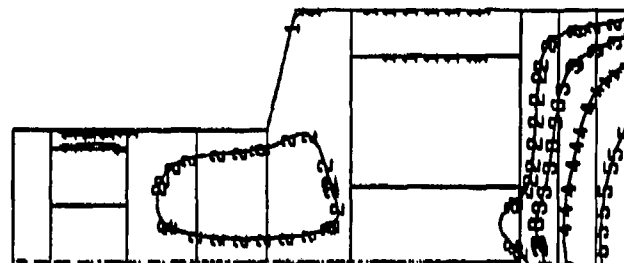
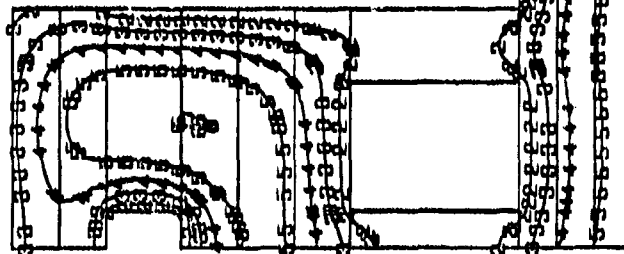
TEMP
VALUE

1 +4.00E+01
2 +4.60E+01
3 +5.20E+01
4 +5.80E+01
5 +6.40E+01
6 +7.00E+01

RUN OMSTDT1

ambient temp = 39.5 deg. F

time = 170 days



1

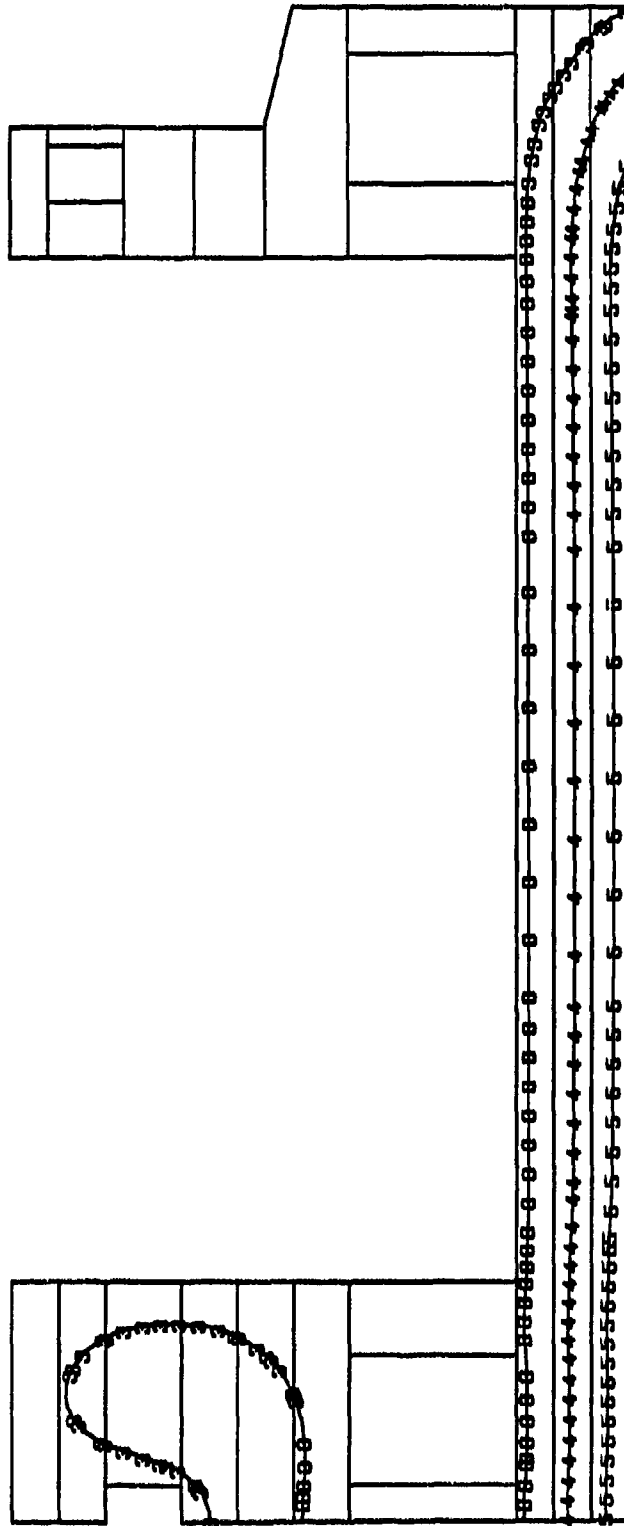
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_19

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.700E+02 STEP 46 INCREMENT 37

TEMP
VALUE

1 +3.00E+01
2 +3.60E+01
3 +4.20E+01
4 +4.80E+01
5 +5.40E+01
6 +6.00E+01

RUN OMSTDT1
ambient temp = 41 deg. F
time = 254 days



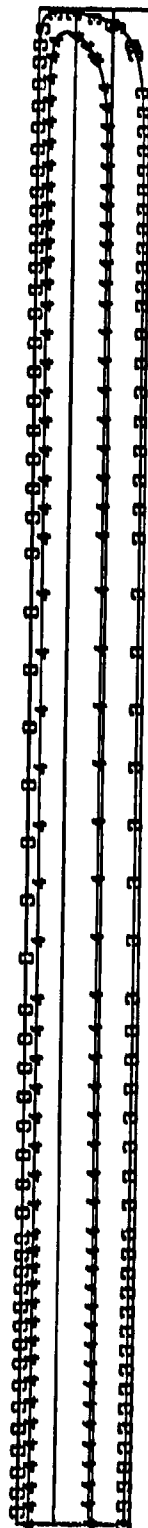
B22

1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_19
TIME COMPLETED IN THIS STEP +8.400E+01 TOTAL ACCUMULATED TIME +2.540E+02 STEP 47 INCREMENT 42

TEMP
VALUE

1 +7.00E+01
2 +7.60E+01
3 +8.20E+01
4 +8.80E+01
5 +9.40E+01
6 +1.00E+02

RUN OMSTDT2
ambient temp. = 79 deg. F
time = 30 days



B23

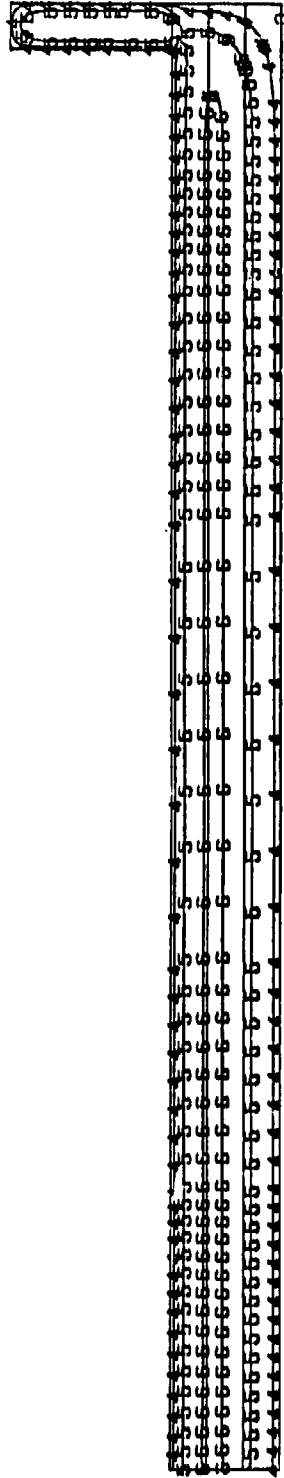
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS 1_3

TIME PROB ETEN IN TIME STEP +5 OMME+00 TOTAL ACCUMULATED TIME +3 OMME+01 STEP 9 INCREMENT 5

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN OMSTDT2
ambient temp. = 78.75 deg. F
time = 35 days



B24

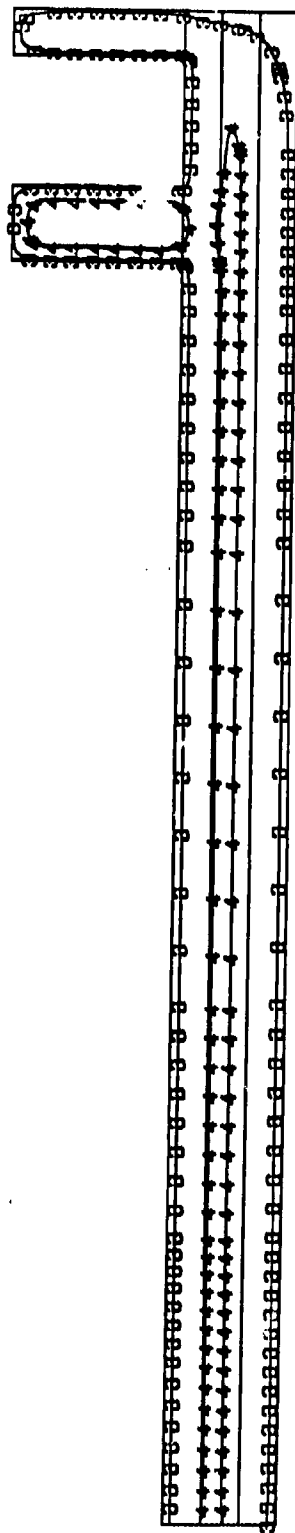
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_5

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.600E+01 STEP 11 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2
ambient temp. = 78.5 deg. F
time = 40 days

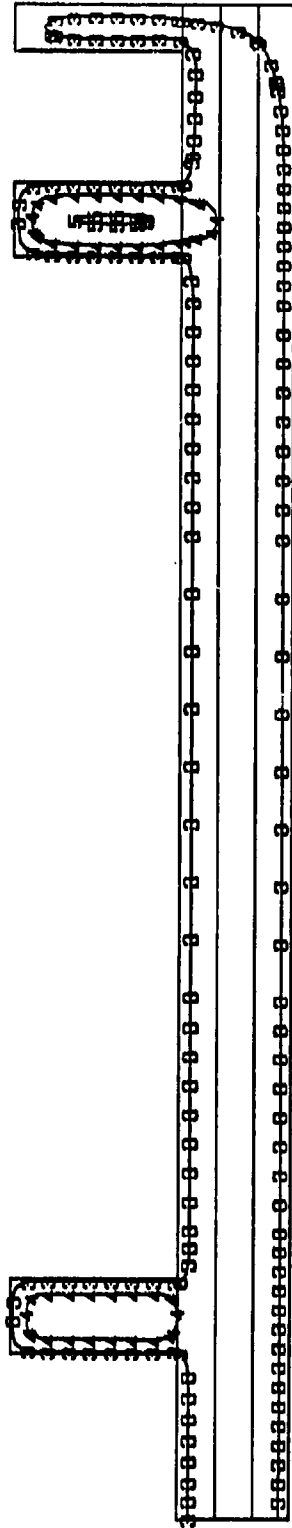


1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1_6
TIME (MIN) FTR IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.300E+01 STEP 13 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2
ambient temp. = 78 deg. F
time = 45 days



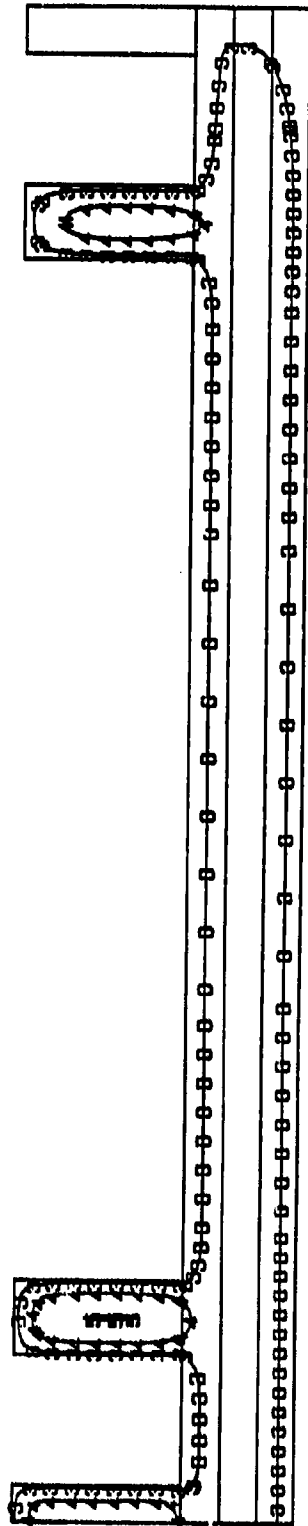
B26

1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, LIFTS L1_7
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 15 INCREMENT 6

TEMP
VALUE

- 1 +7.00E+01
- 2 +7.60E+01
- 3 +8.20E+01
- 4 +8.80E+01
- 5 +9.40E+01
- 6 +1.00E+02

RUN OMSTDT2
ambient temp. = 77.4 deg. F
time = 50 days



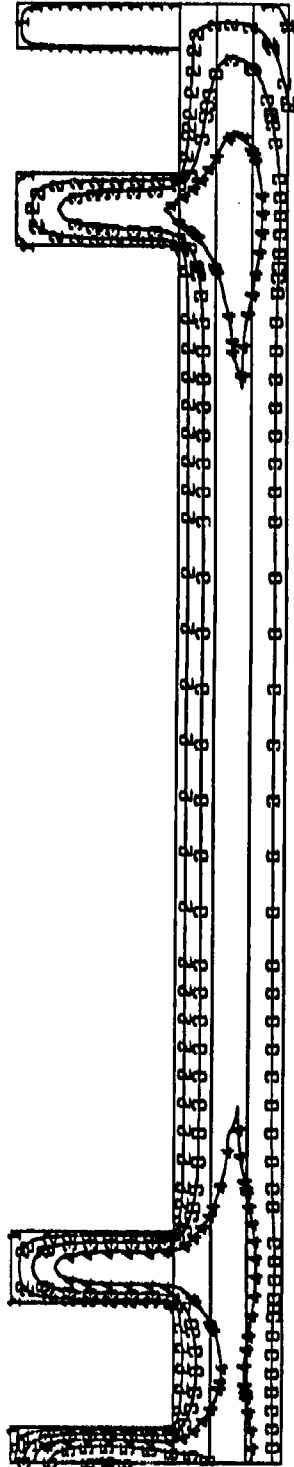
1
WFRAME, 60 DEG MIN PLGNT TEMP, JUNE 20 START, L1_8

TIME FROM START IN DAYS 0.000E+00 TOTAL ACCUMULATED TIME 4.5 000E+01 STEP 17 INCREMENT 5

TEMP
VALUE

1	+7.50E+01
2	+7.78E+01
3	+7.98E+01
4	+8.14E+01
5	+8.32E+01
6	+8.50E+01

RUN ONSTD2
ambient temp. = 75.7 deg. F
time = 65 days



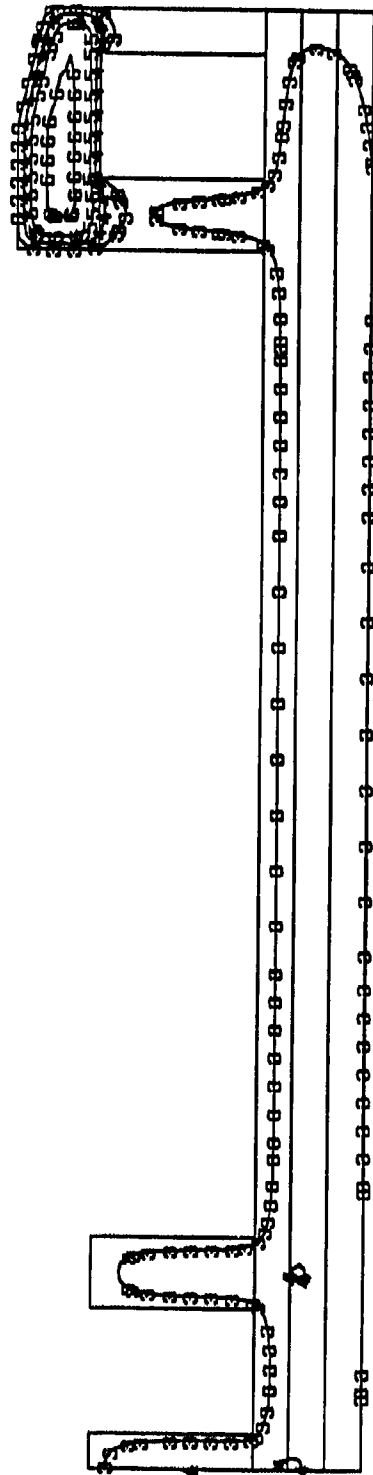
1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, LIFTS 1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.500E+01 STEP 18 INCREMENT 15

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN 0M5TDY2
ambient temp. = 74.7 deg. F
time = 70 days



B29

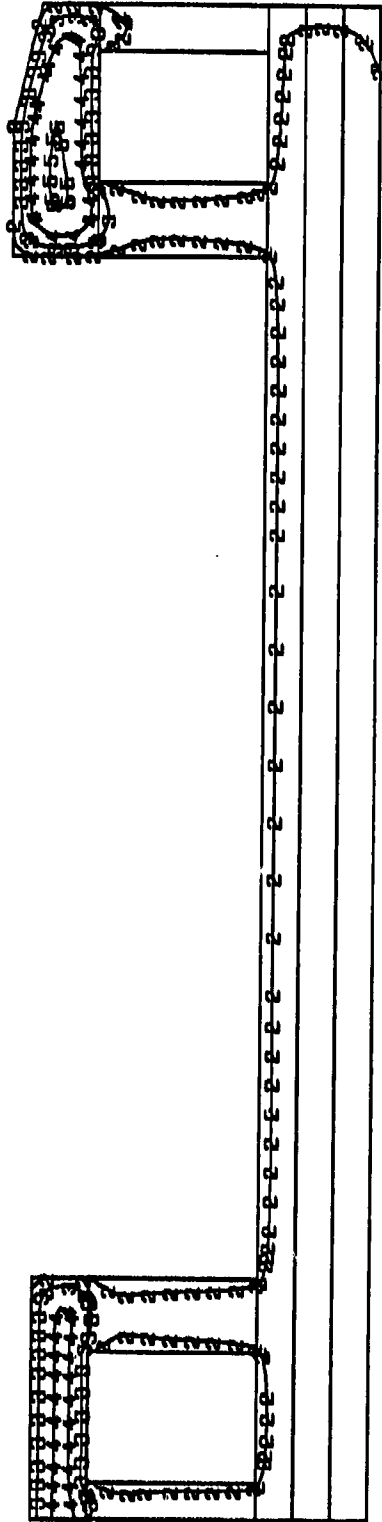
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_9

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 21 INCREMENT 1

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2
ambient temp. = 73.2 deg. F
time = 75 days



B30

1

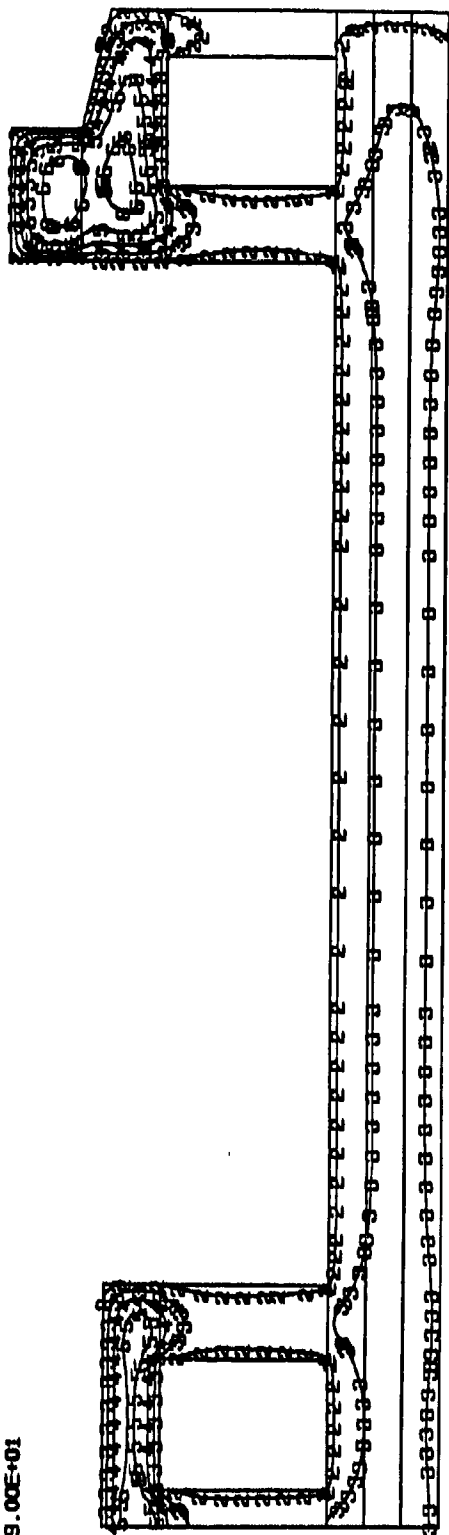
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_10

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.600E+01 STEP 24 INCREMENT 1

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN 045TDY2
ambient temp. = 71.9 deg. F
time = 80 days



B31

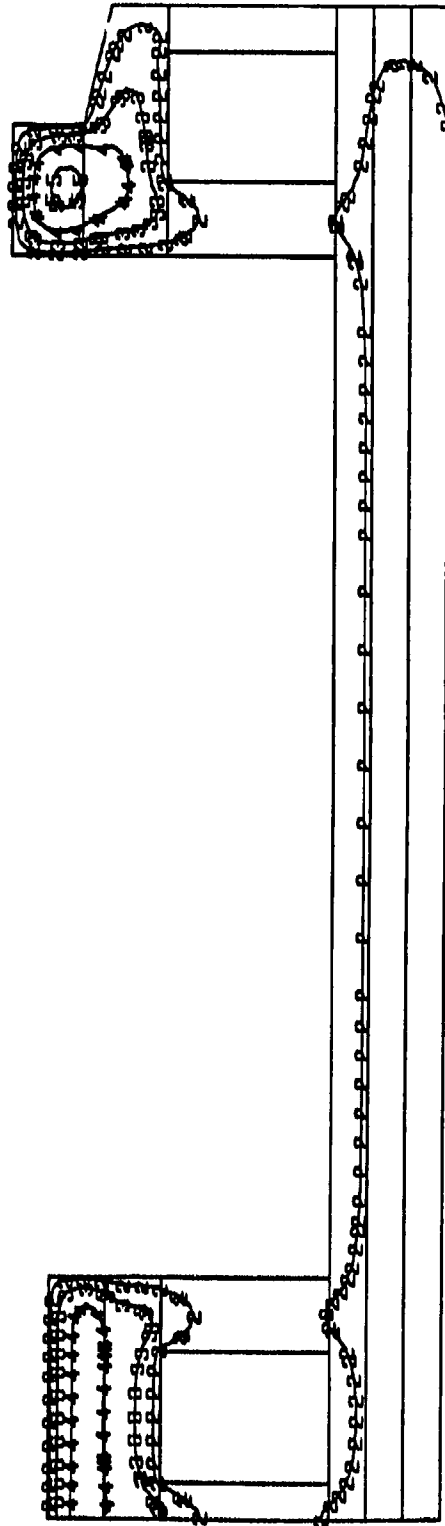
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_11

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 26 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2
ambient temp. = 70.9 deg. F
time = 85 days



1

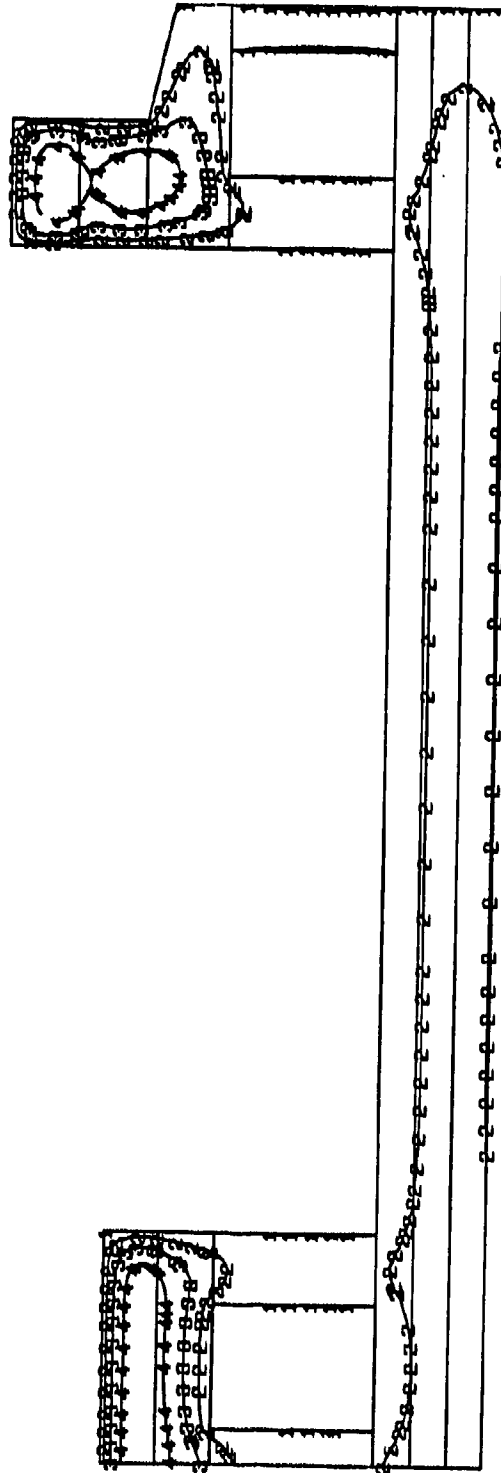
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_12

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.600E+01 STEP 26 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2
ambient temp = 69.3 deg. F
time = 90 days



1

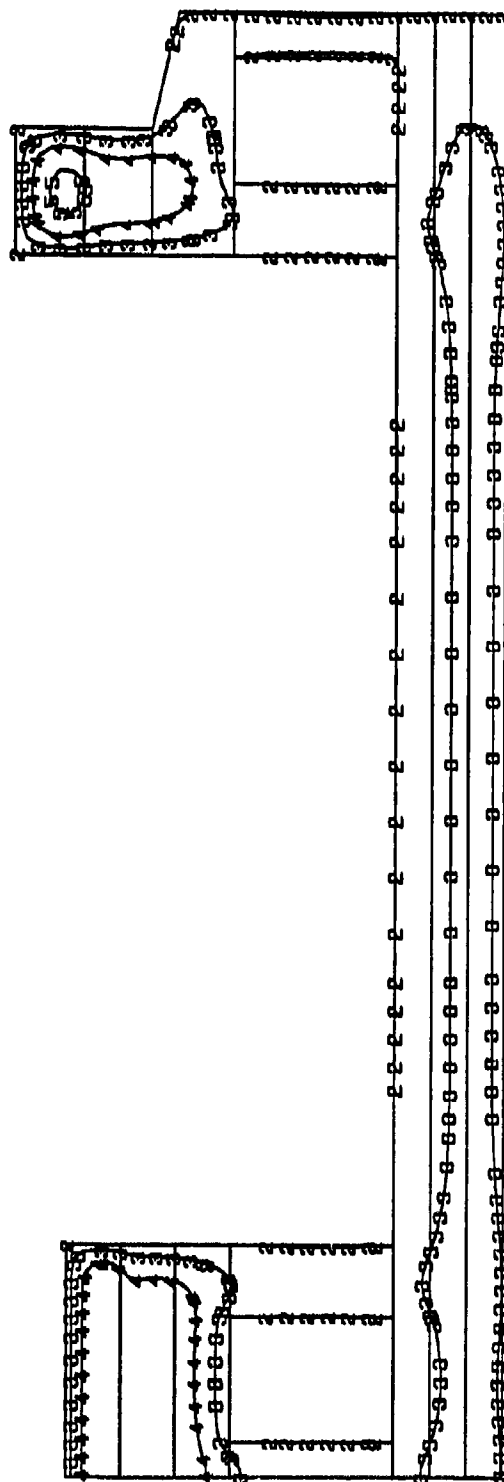
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_13

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 STEP 30 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.60E+01
4	+8.40E+01
5	+9.20E+01
6	+1.00E+02

RUN OMSTDT2
ambient temp = 67 deg. F
time = 95 days



B34

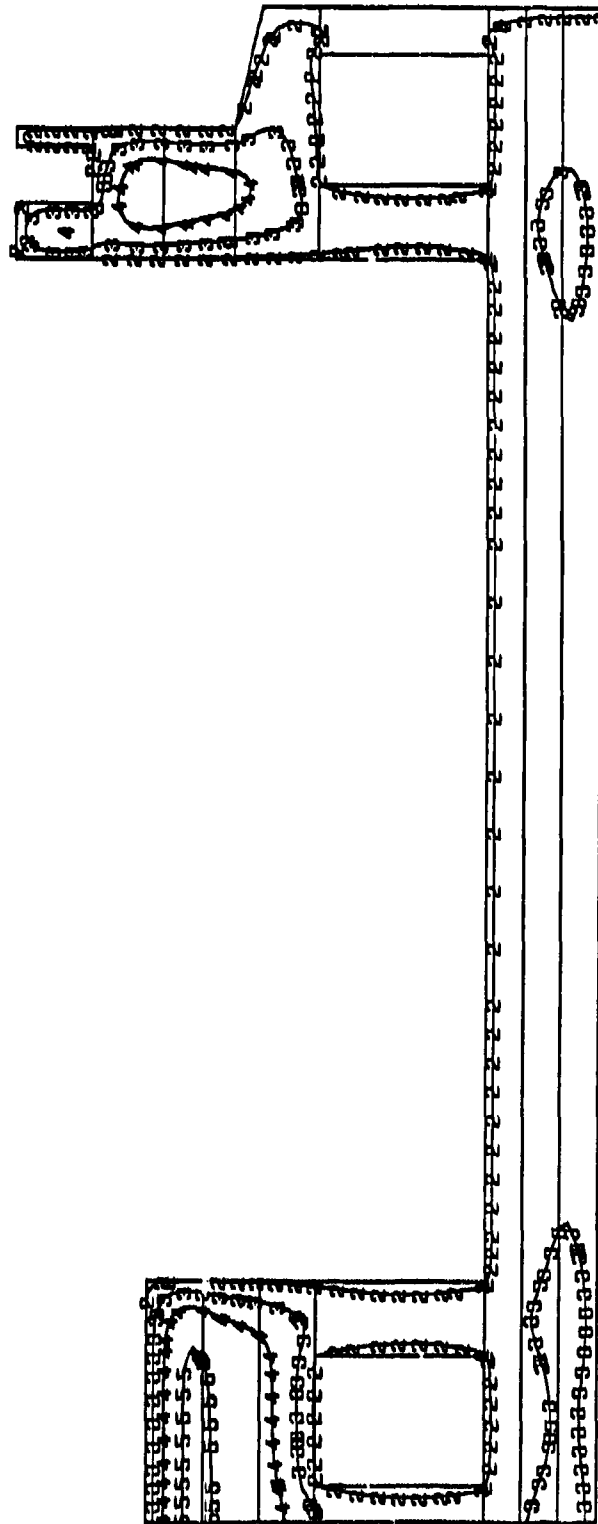
1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_14

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+01 STEP 32 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.50E+01
4	+8.40E+01
5	+9.20E+01
6	+1.00E+02

RUN 0MSTDT2
ambient temp = 65.4 deg. F
time = 100 days



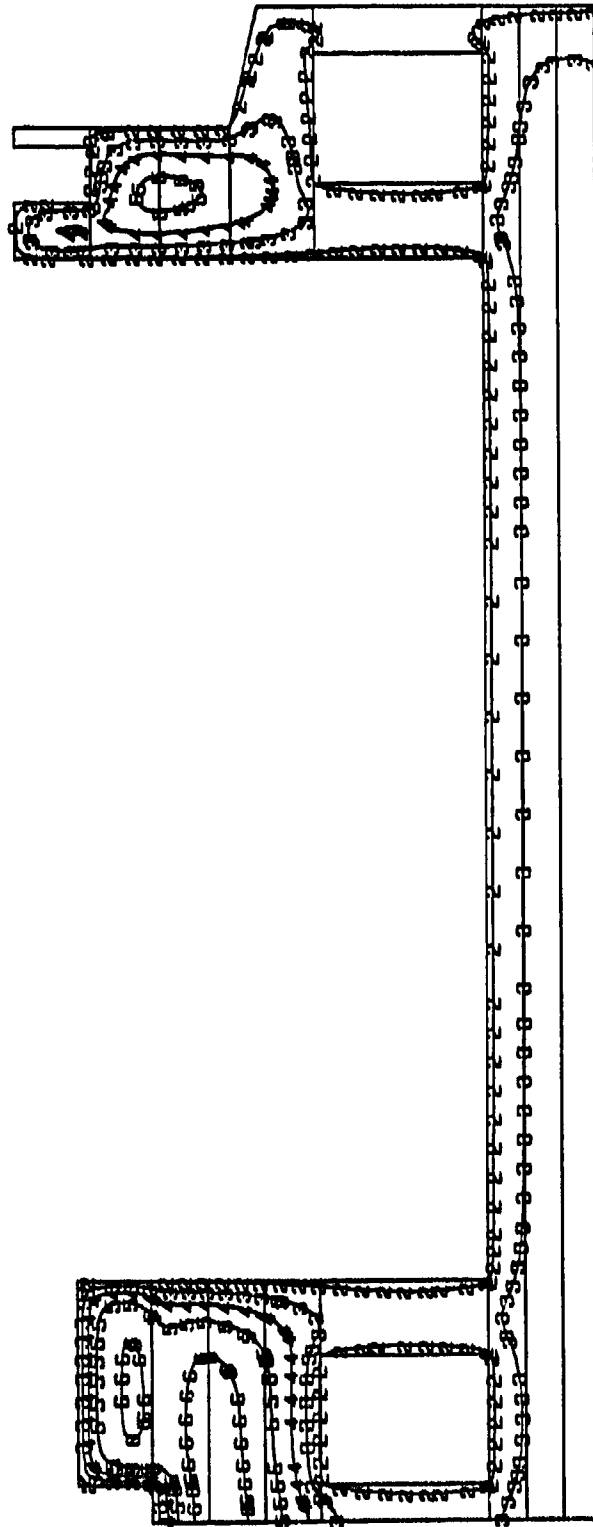
B35

1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_15
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 34 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN OMSTDY2
ambient temp = 63.5 deg. F
time = 105 days



B36

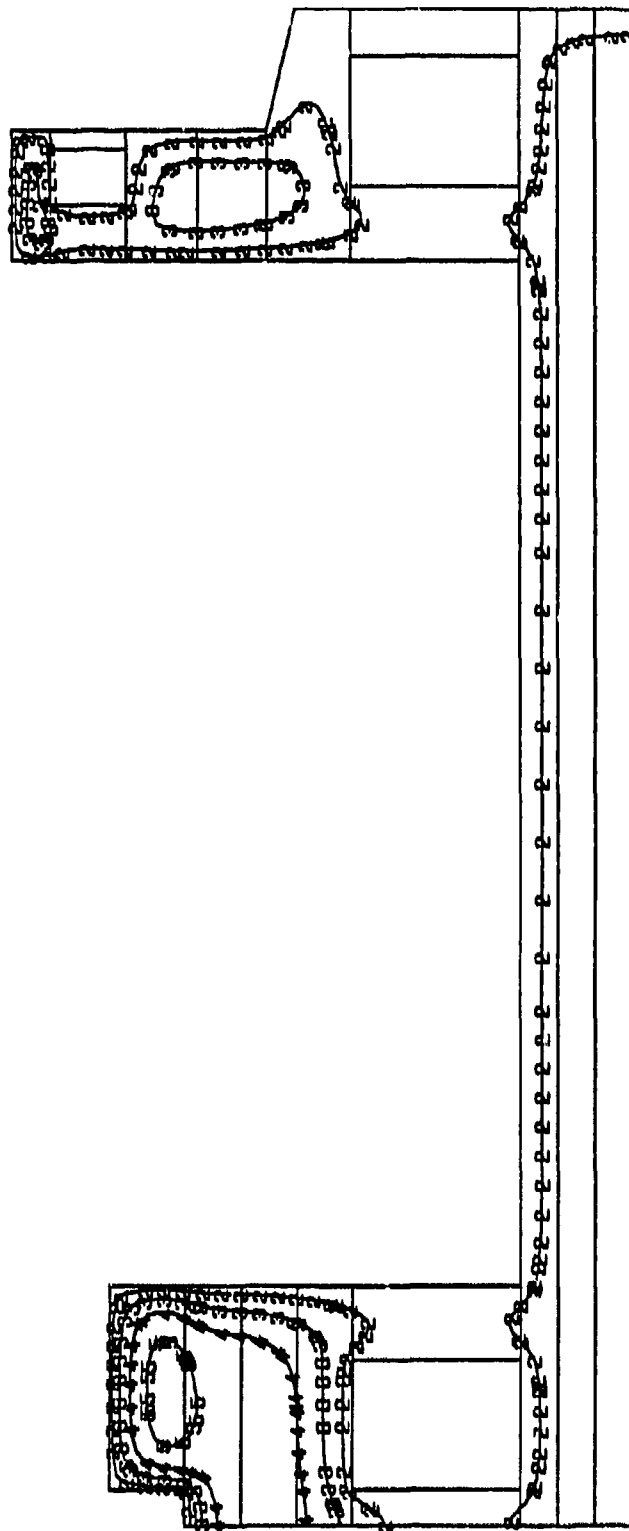
1
WFRAME, 60 DEG MIN PLGNT TEMP, JUNE 20 START, L1_16

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.050E+02 ■ STEP 36 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.60E+01
4	+8.40E+01
5	+9.20E+01
6	+1.00E+02

RUN OMSTDT2
ambient temp. = 61.5 deg. F
time = 110 days



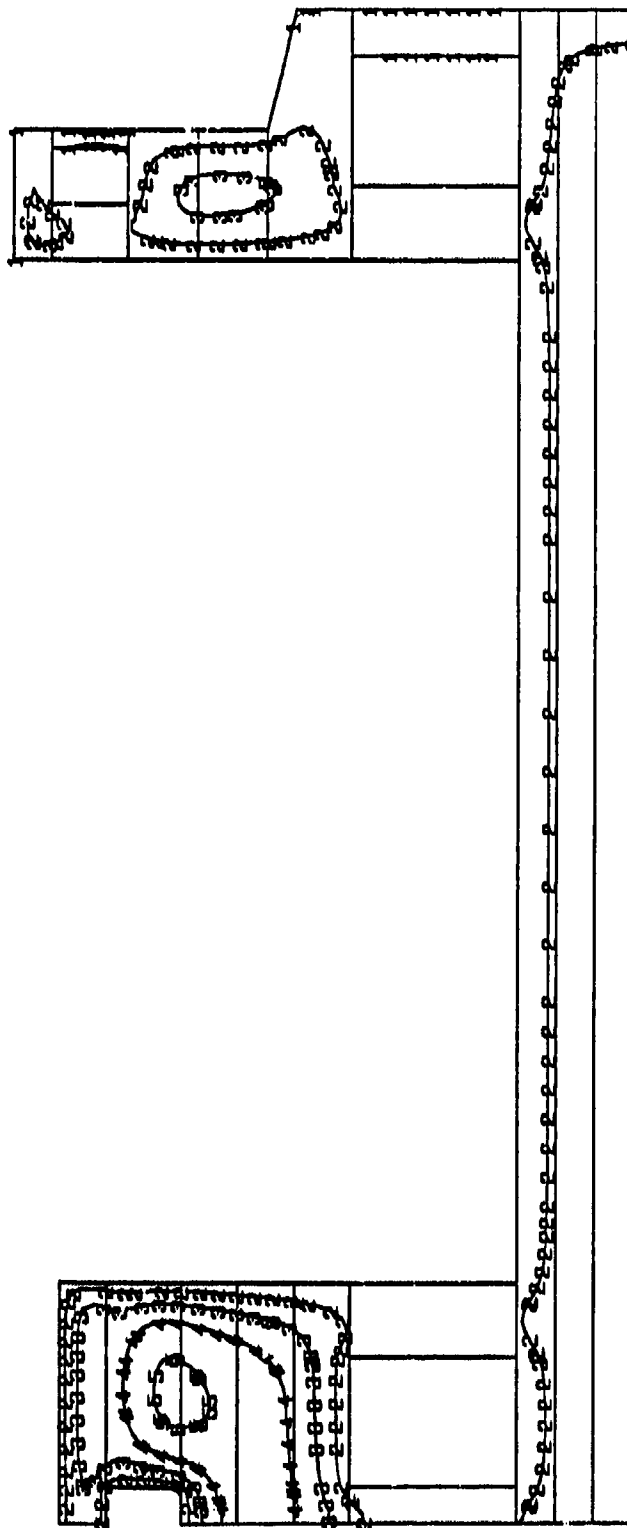
B37

1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_17
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.100E+02 STEP 39 INCREMENT 1

TEMP
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.63E+01
4	+8.40E+01
5	+9.20E+01
6	+1.00E+02

RUN OMSTDT2
ambient temp = 59.6 deg. F
time = 115 days



1

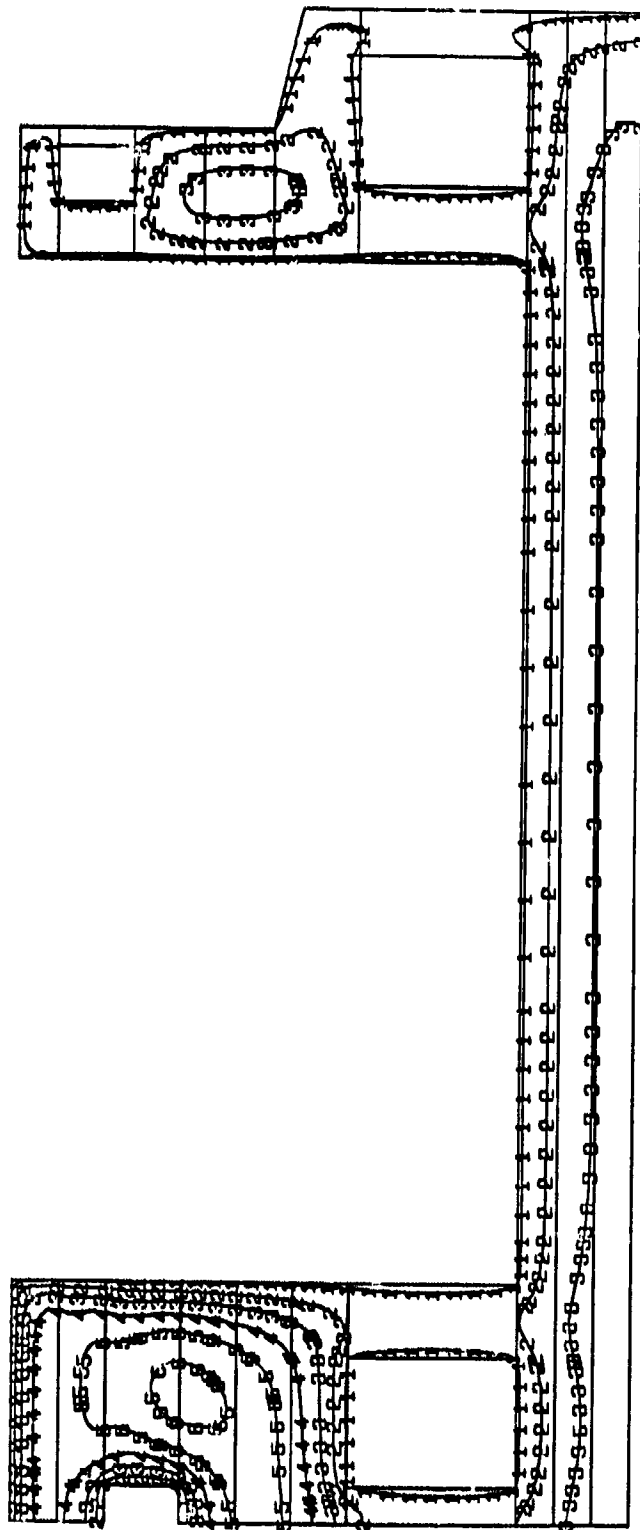
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_18

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 STEP 42 INCREMENT 1

TEMP
VALUE

1 +6.00E+01
2 +6.60E+01
3 +7.20E+01
4 +7.80E+01
5 +8.40E+01
6 +9.00E+01

RUN OMSTDT2
ambient temp = 58 deg. F
time = 120 days



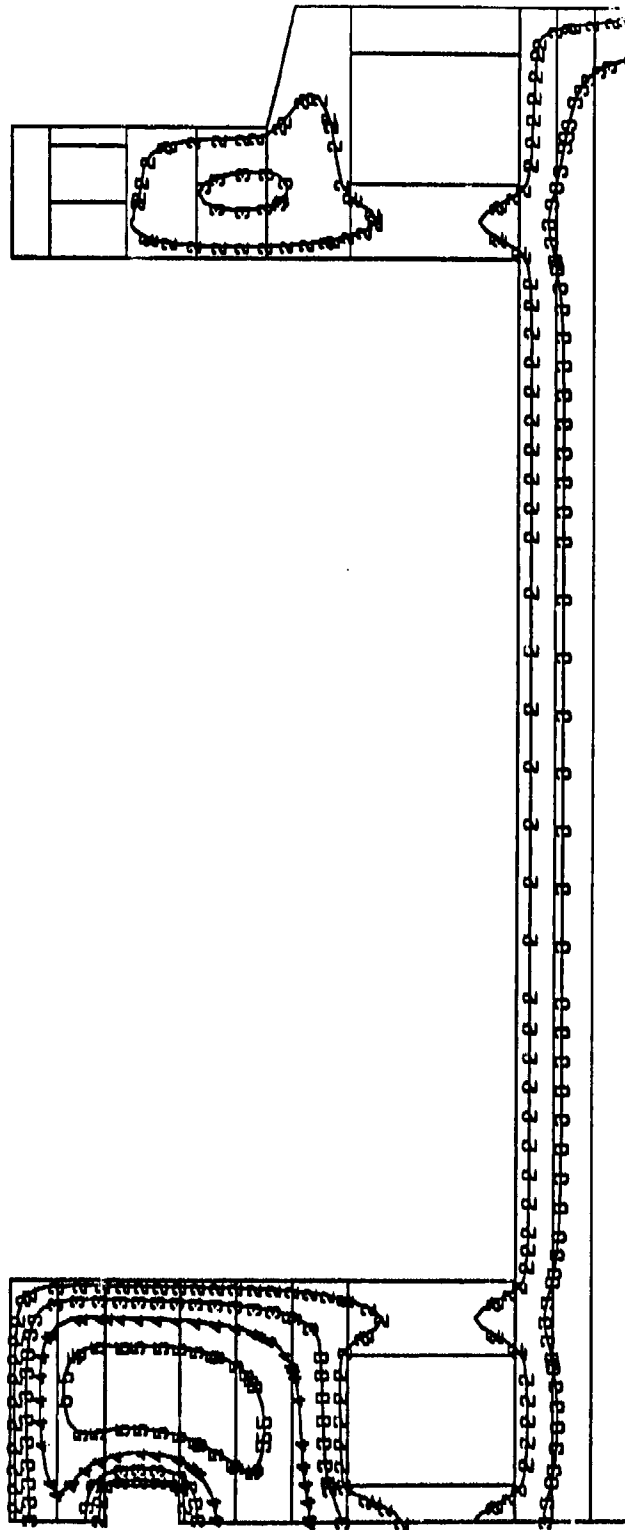
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_19

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 STEP 44 INCREMENT 6

TEMP
VALUE

1	+5.00E+01
2	+5.80E+01
3	+6.60E+01
4	+7.40E+01
5	+8.20E+01
6	+9.00E+01

RUN OMSTD2
ambient temp = 52 deg. F
time = 133 days



B40

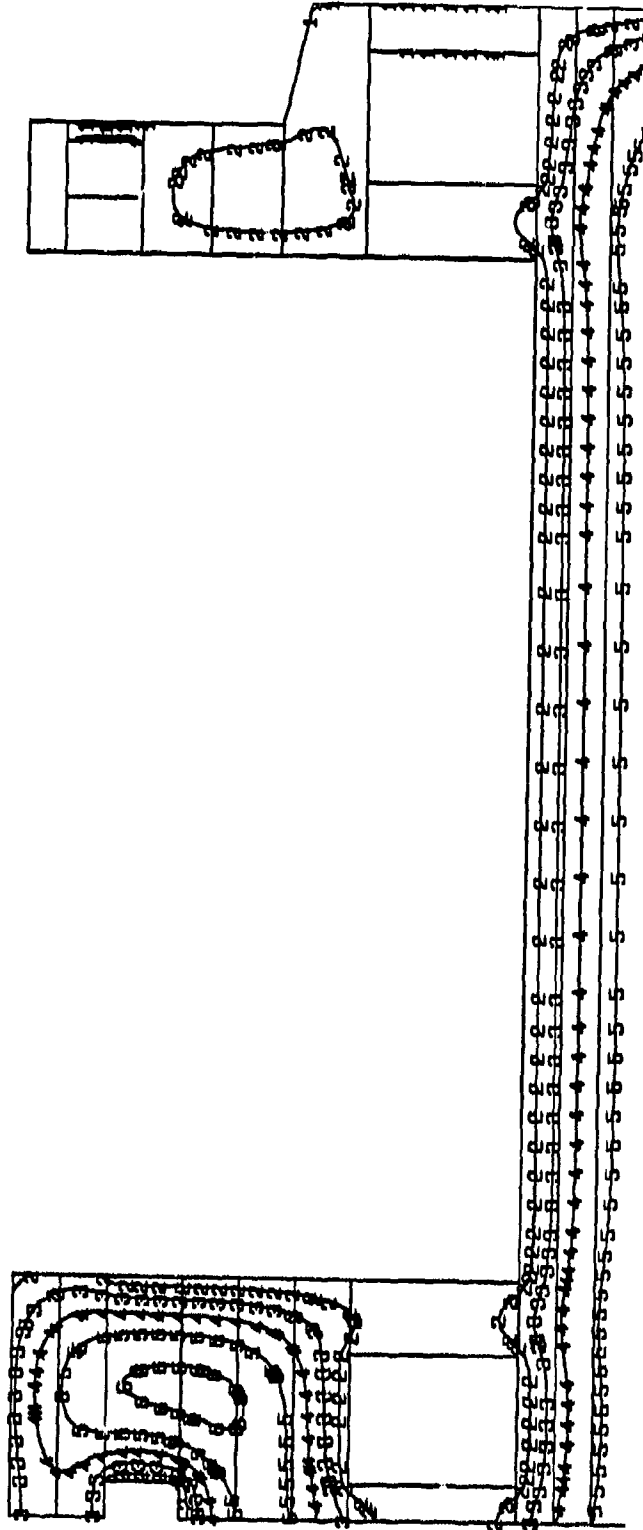
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, LIFTS 1_19

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.330E+02 STEP 45 INCREMENT 13

TEMP
VALUE

1	+4.00E+01
2	+4.50E+01
3	+5.20E+01
4	+5.80E+01
5	+6.40E+01
6	+7.00E+01

RUN OMSTDT2
ambient temp = 39.5 deg. F
time = 170 days



B41

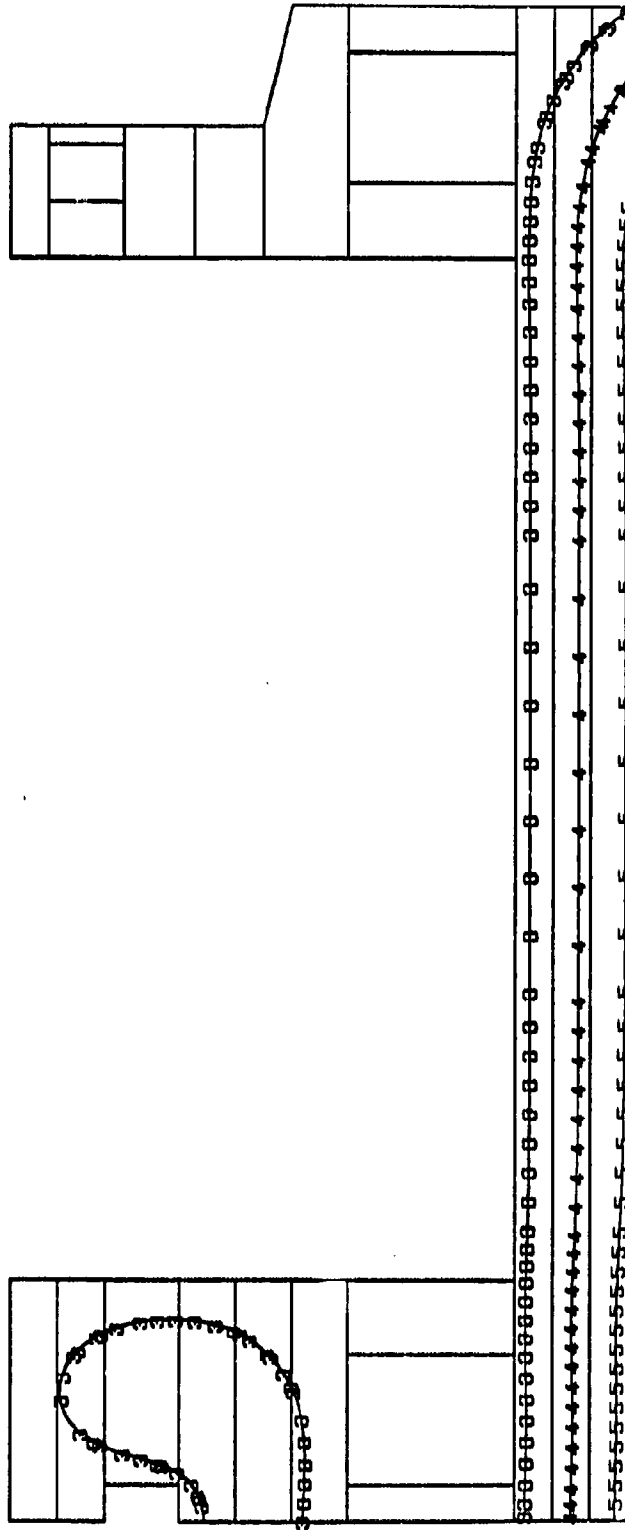
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_19

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.700E+02 STEP 46 INCREMENT 37

TEMP
VALUE

1	+3.00E+01
2	+3.50E+01
3	+4.20E+01
4	+4.80E+01
5	+5.40E+01
6	+6.00E+01

RUN OMSTDT2
ambient temp = 41 deg. F
time = 254 days



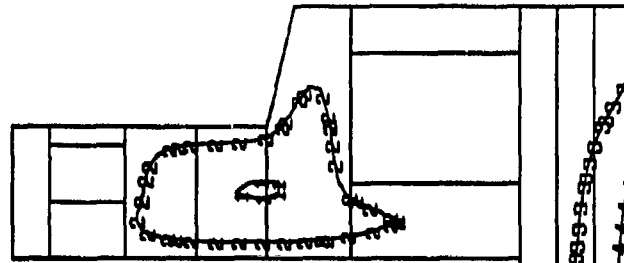
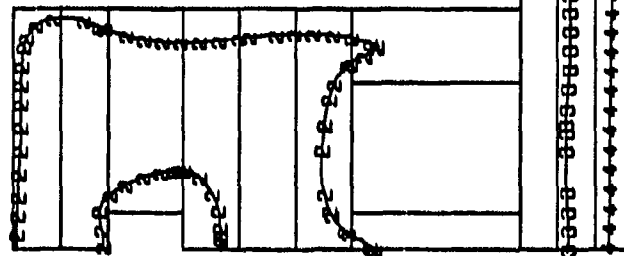
1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_19

TIME COMPLETED IN THIS STEP +8.400E+01 TOTAL ACCUMULATED TIME +2.540E+02 STEP 47 INCREMENT 42

TEMP
VALUE

1	+4.00E+01
2	+4.40E+01
3	+4.80E+01
4	+5.20E+01
5	+5.60E+01
6	+6.00E+01

RUN OMSTDT2
ambient temp = 47.5 deg. F
time = 274 days



B43

1

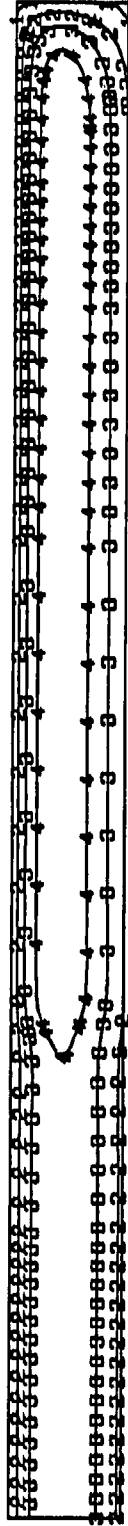
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_19

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +2.740E+02 STEP 48 INCREMENT 10

TEMP
VALUE

1	+8.00E+01
2	+8.40E+01
3	+8.80E+01
4	+9.20E+01
5	+9.60E+01
6	+1.00E+02

RUN OMSTD74
ambient temp = 79 deg. F
time = 30 days



B44

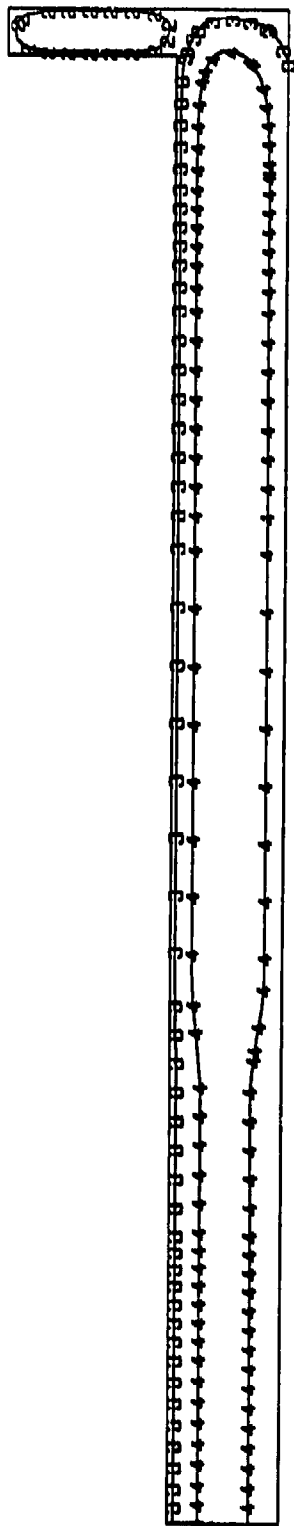
WFRAME, 60 DEG PLCMT TEMP, JUNE 20 START, LIFTS 1_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +3.000E+01 STEP 9 INCREMENT 10

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN 0M5TDT4
ambient temp = 78.75 deg.F
time = 35 days



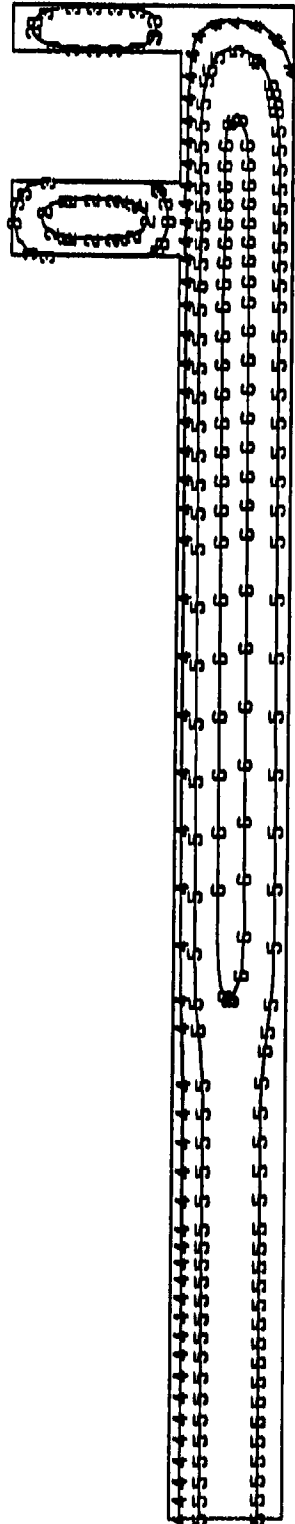
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_5

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.500E+01 STEP 11 INCREMENT 5

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN OMSTDT4
ambient temp = 78.5 deg. F
time = 40 days

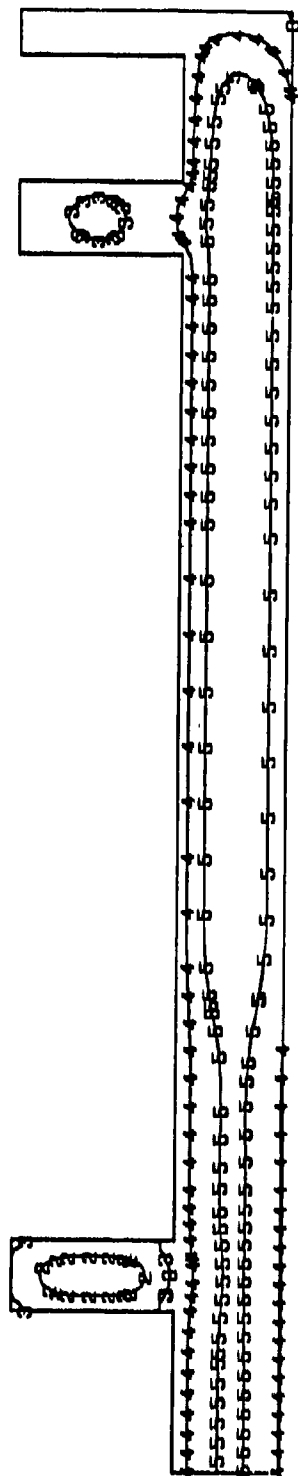


1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1_6
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.000E+01 STEP 13 INCREMENT 6

TEMP
VALUE

1 +7.00E+01
2 +7.40E+01
3 +7.80E+01
4 +8.20E+01
5 +8.60E+01
6 +9.00E+01

RUN OMSTDT4
ambient temp = 78 deg.F
time = 45 days



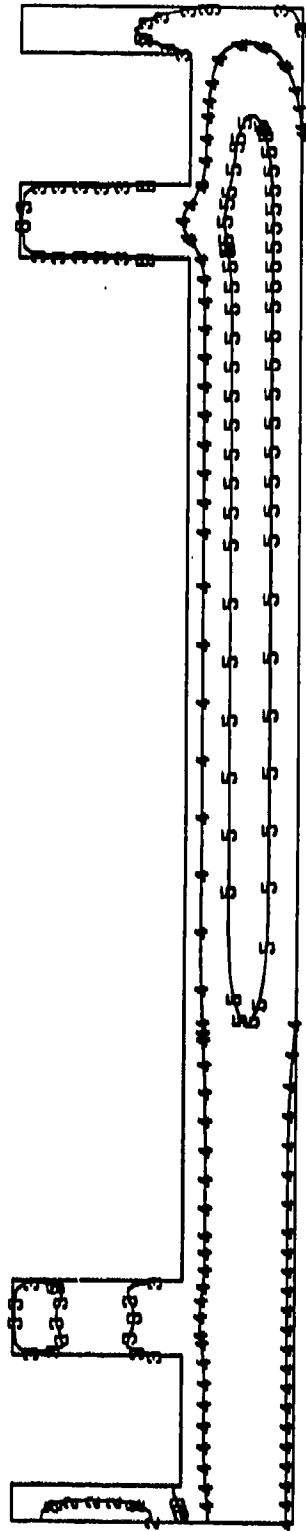
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1_7

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 15 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN 0MSTDY4
ambient temp = 77.4 deg. F
time = 50 days



1

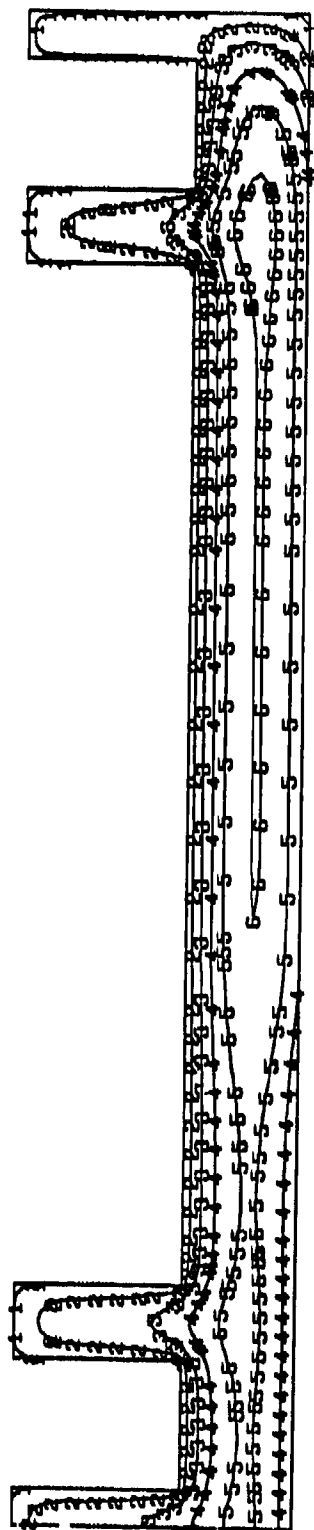
WFRAME, 60 DEG MIN PLGHT TEMP, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+01 STEP 17 INCREMENT 6

TEMP
VALUE

1 +7.60E+01
2 +7.74E+01
3 +7.88E+01
4 +8.02E+01
5 +8.16E+01
6 +8.30E+01

RUN OMSTDT4
ambient temp = 75.7 deg. F
time = 65 days



B49

1

WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS 1_8
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.500E+01 STEP 18 INCREMENT 15

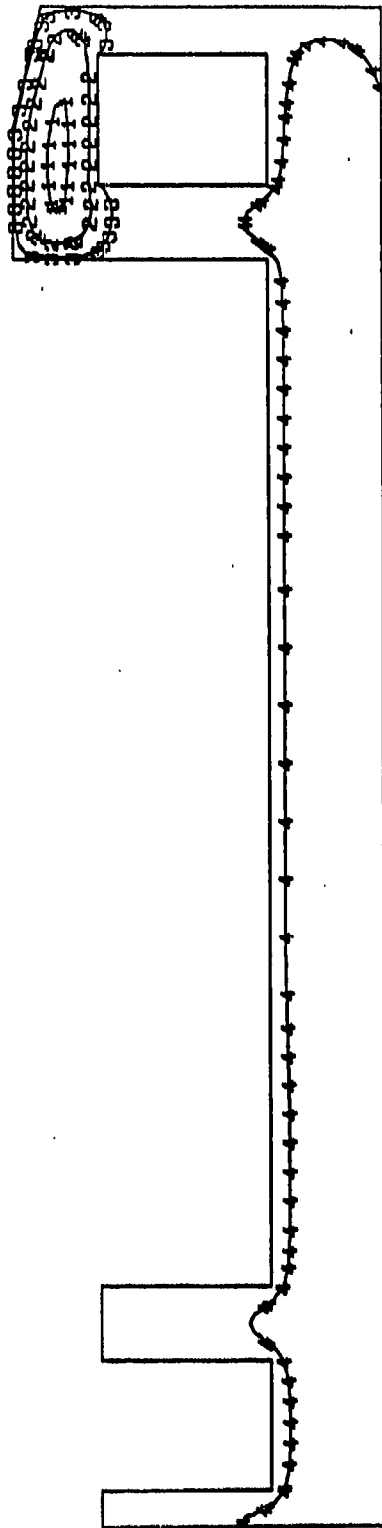
TEMP
VALUE

1	+6.00E+01
2	+6.50E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN OMSTDT4

ambient temp = 74.7 deg. F

time = 70 days



B50

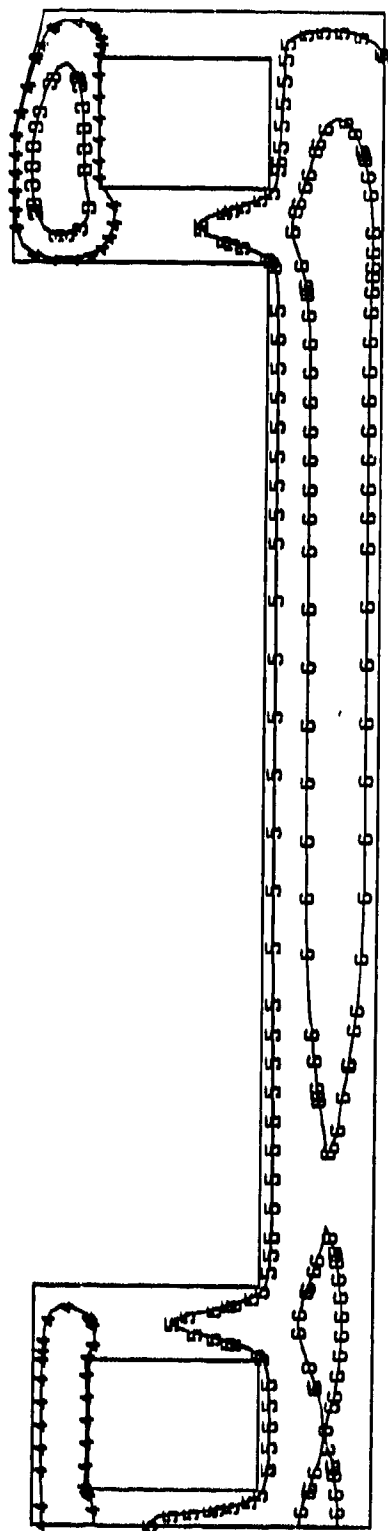
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_9

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 21 INCREMENT 1

TEMP
VALUE

1 +6.00E+01
2 +6.40E+01
3 +6.80E+01
4 +7.20E+01
5 +7.60E+01
6 +8.00E+01

RUN OMSTDT4
ambient temp. = 73.2 deg. F
time = 75 days



1

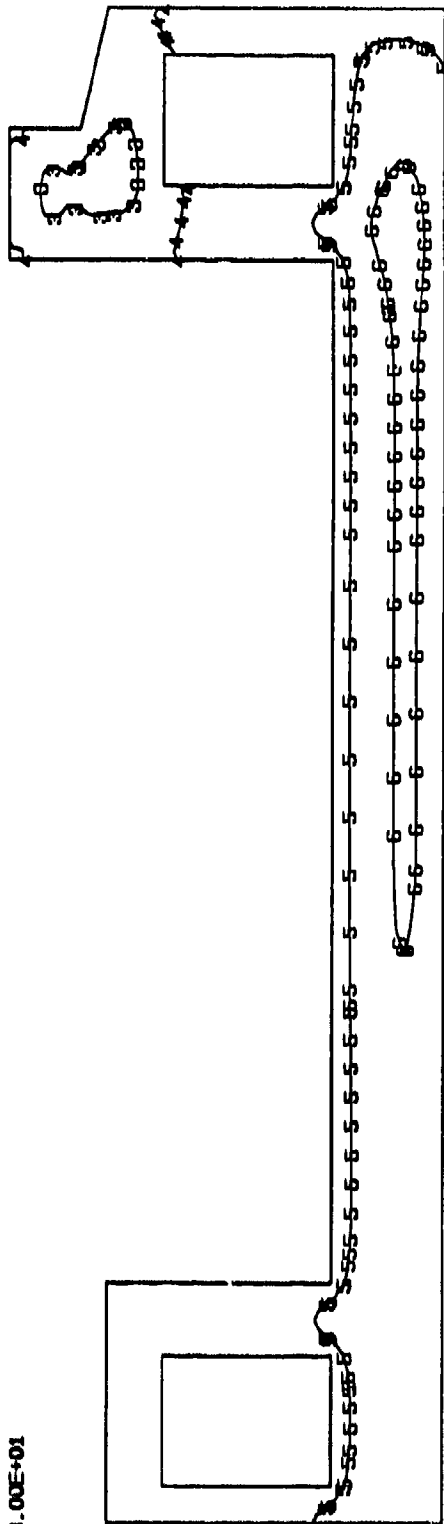
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_10

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.500E+01 STEP 24 INCREMENT 1

TEMP
VALUE

1 +6.00E+01
2 +6.40E+01
3 +6.80E+01
4 +7.20E+01
5 +7.60E+01
6 +8.00E+01

RUN OMSTDY4
ambient temp = 71.9 deg. F
time = 80 days



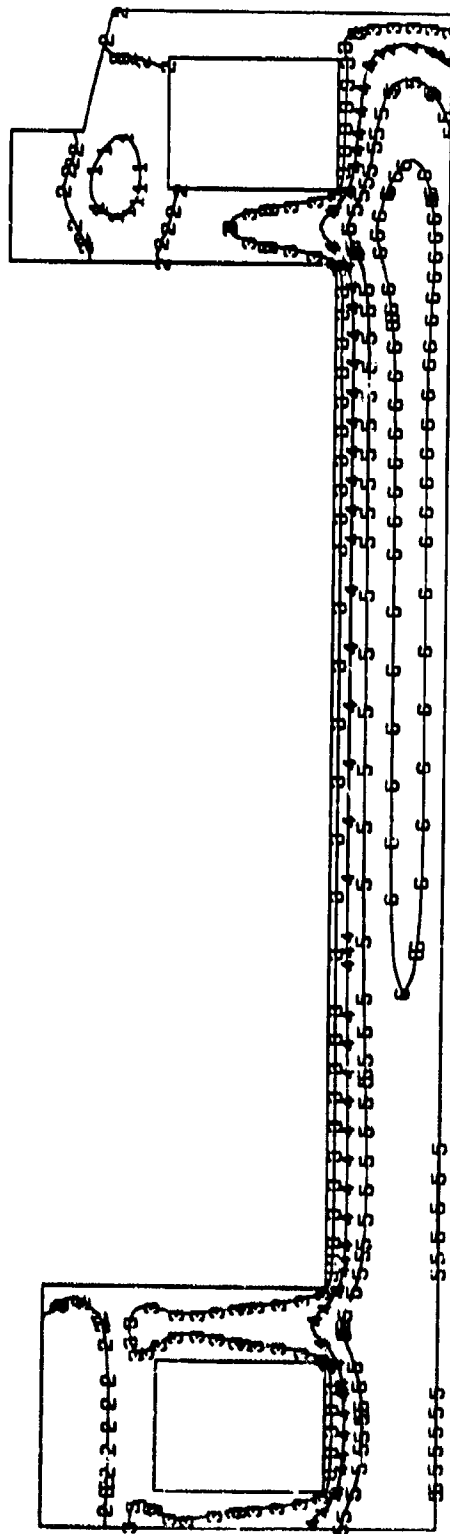
1

WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_11

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 26 INCREMENT 6

1	+6.50E+01
2	+7.10E+01
3	+7.30E+01
4	+7.50E+01
5	+7.70E+01
6	+7.90E+01

RUN OMSTD14
ambient temp = 70.9 deg. F
time = 85 days



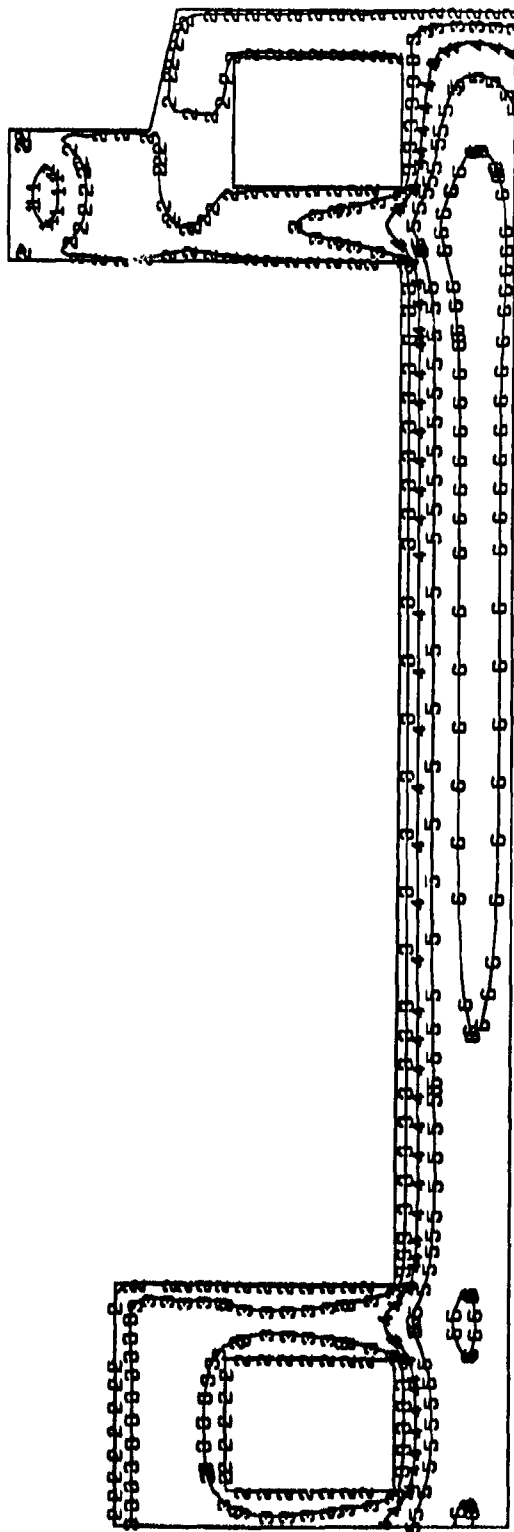
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_12

TIME COMPLETED IN THIS STEP	+3.000E+00	TOTAL ACCUMULATED TIME	+8.500E+01	STEP 28 INCREMENT S

TEMP
VALUE

1	+6.80E+01
2	+7.00E+01
3	+7.20E+01
4	+7.40E+01
5	+7.60E+01
6	+7.80E+01

RUN OMSTD14
ambient temp = 69.3 deg. F
time = 90 days



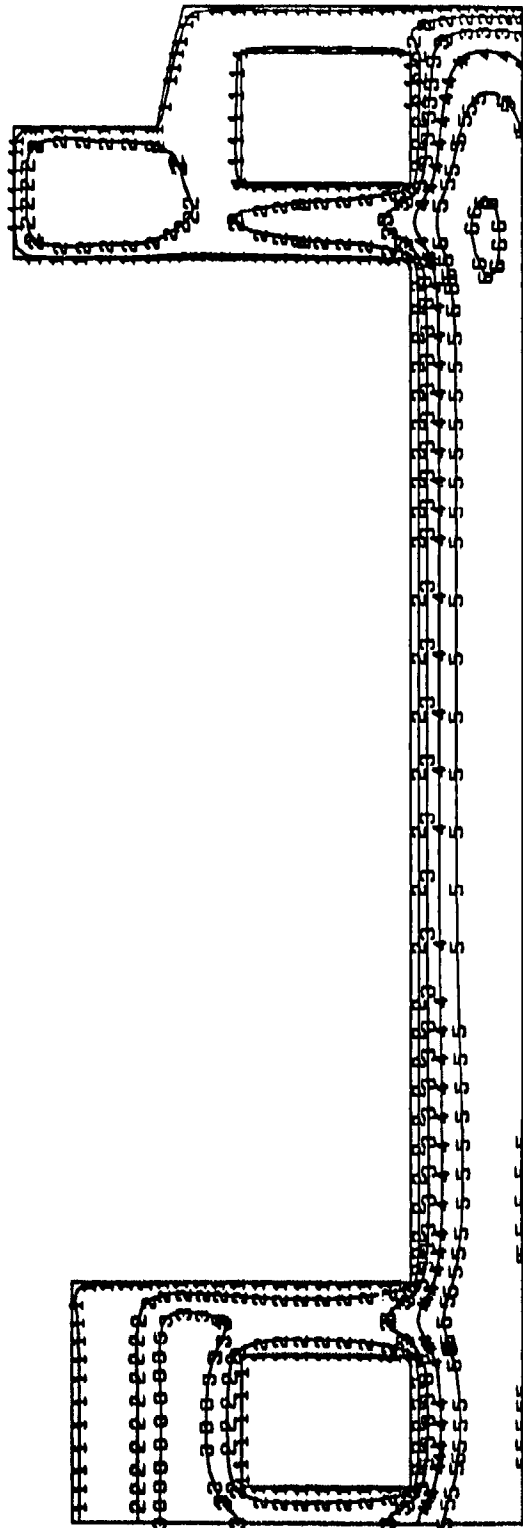
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_13

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 STEP 30 INCREMENT 6

TEMP
VALUE

1	+6.80E+01
2	+7.00E+01
3	+7.20E+01
4	+7.40E+01
5	+7.60E+01
6	+7.80E+01

RJN OMSTDT4
ambient temp = 67 deg. F
time = 95 days



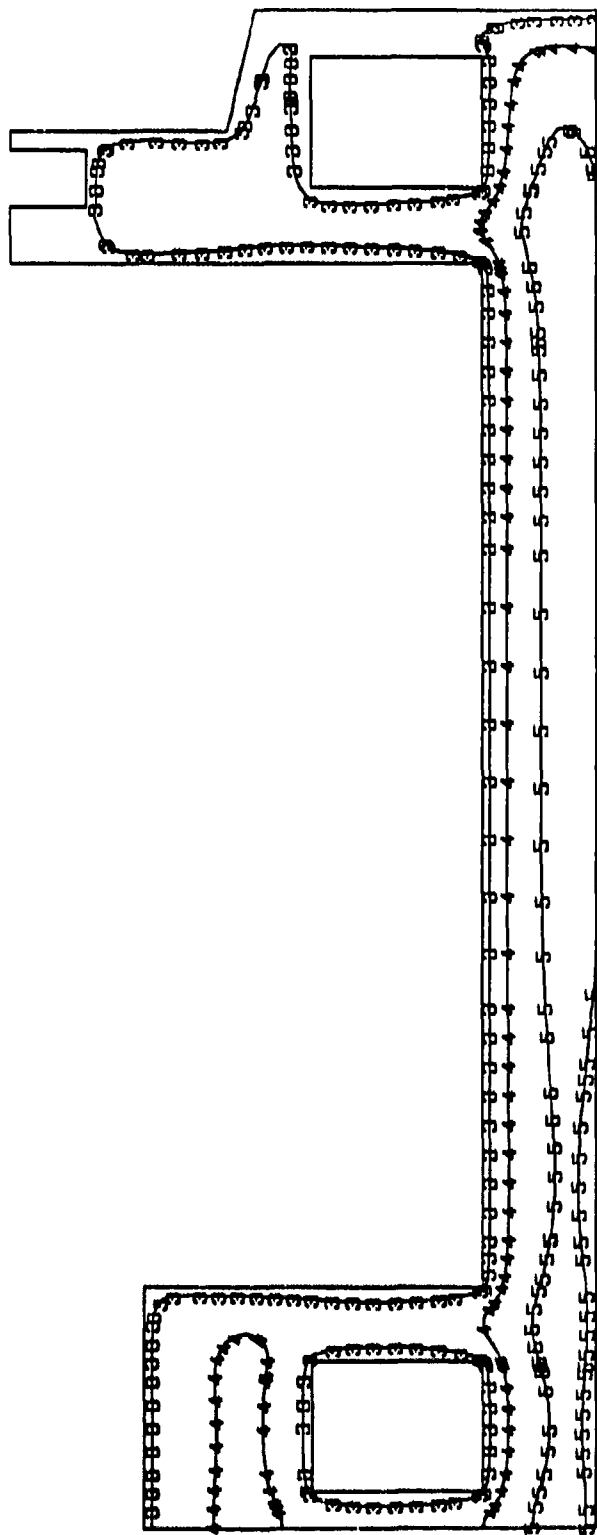
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_14

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+01 ■ STEP 32 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.40E+01
3	+6.80E+01
4	+7.20E+01
5	+7.60E+01
6	+8.00E+01

RUN OMSTDT4
ambient temp = 65.4 deg. F
time = 100 days



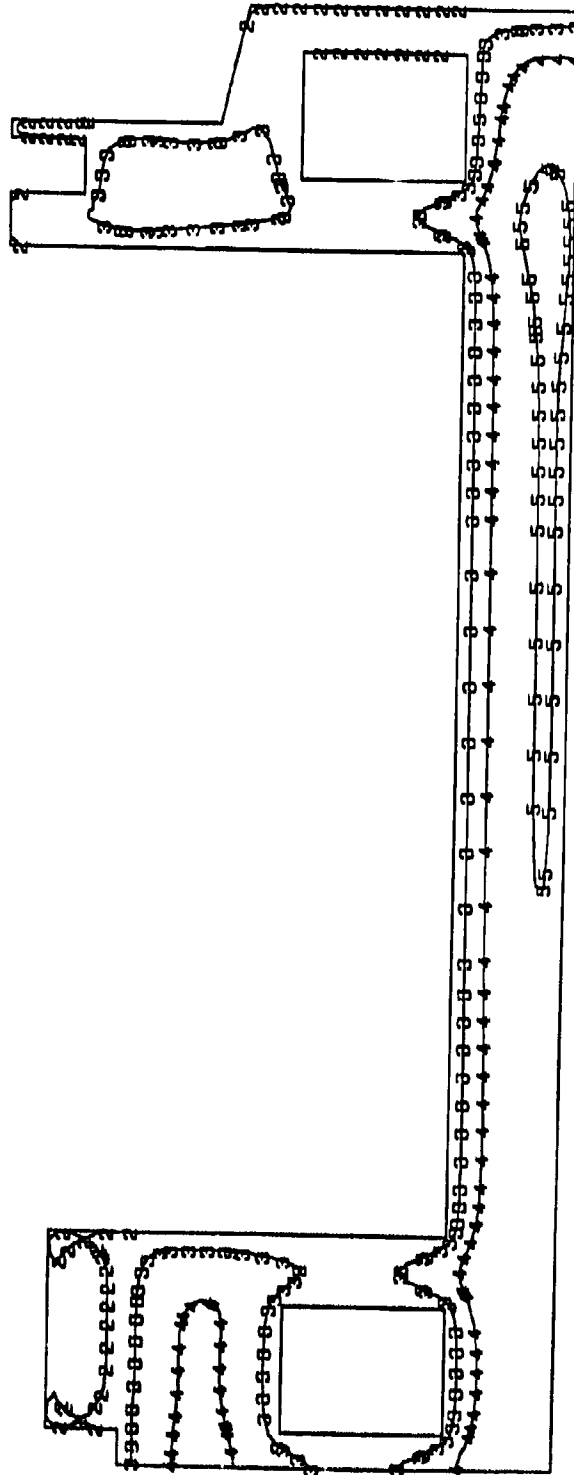
1
WFRAME, 60 DEG MIN PLMNT TEMP, JUNE 20 START, L1_15

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 34 INCREMENT 6

TEMP
VALUE

1 +6.00E+01
2 +6.40E+01
3 +6.80E+01
4 +7.20E+01
5 +7.60E+01
6 +8.00E+01

RUN OMSTDT4
ambient temp = 63.5 deg. F
time = 105 days



1

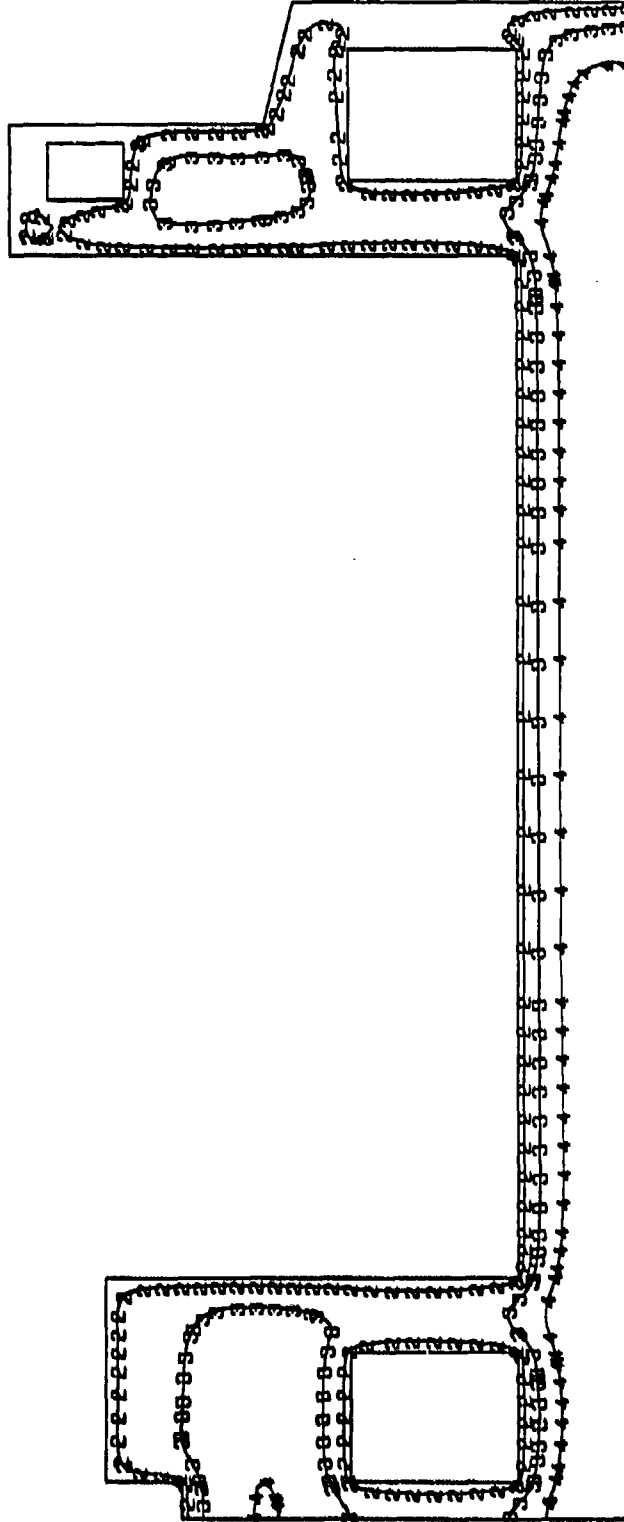
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_16

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.050E+02 ■ STEP 36 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.40E+01
3	+6.80E+01
4	+7.20E+01
5	+7.60E+01
6	+8.00E+01

RUN OMSTDT4
ambient temp = 61.3 deg. F
time = 110 days



B58

1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_17

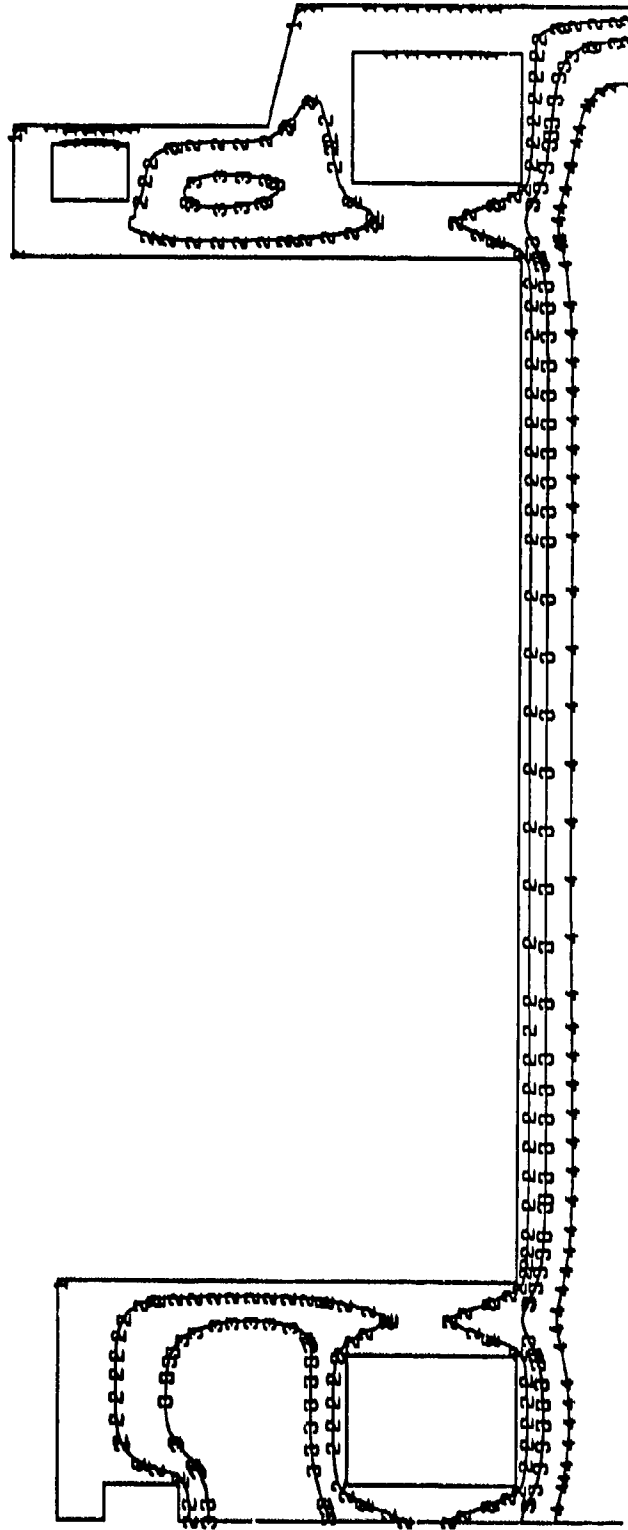
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.100E+02 ■ STEP 39 INCREMENT 1

TEMP
VALUE

1 +5.00E+01
2 +6.40E+01
3 +6.80E+01
4 +7.20E+01
5 +7.60E+01
6 +8.00E+01

RUN OMSTDT4

ambient temp = 59.6 deg. F
time = 115 days



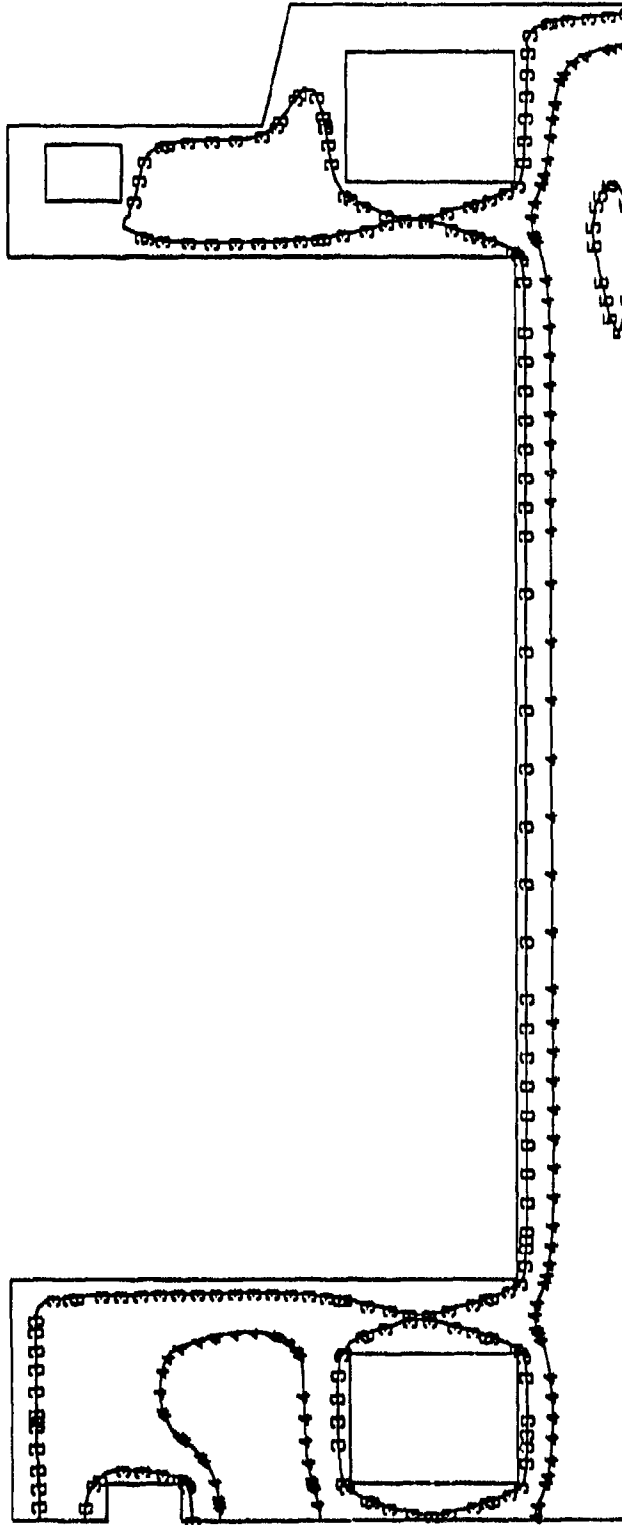
1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_18

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 ■ STEP 42 INCREMENT 1

TEMP
VALUE

1	+5.00E+01
2	+5.50E+01
3	+6.20E+01
4	+6.80E+01
5	+7.40E+01
6	+8.00E+01

RUN OMSTDT4
ambient temp = 58 deg. F
time = 120 days



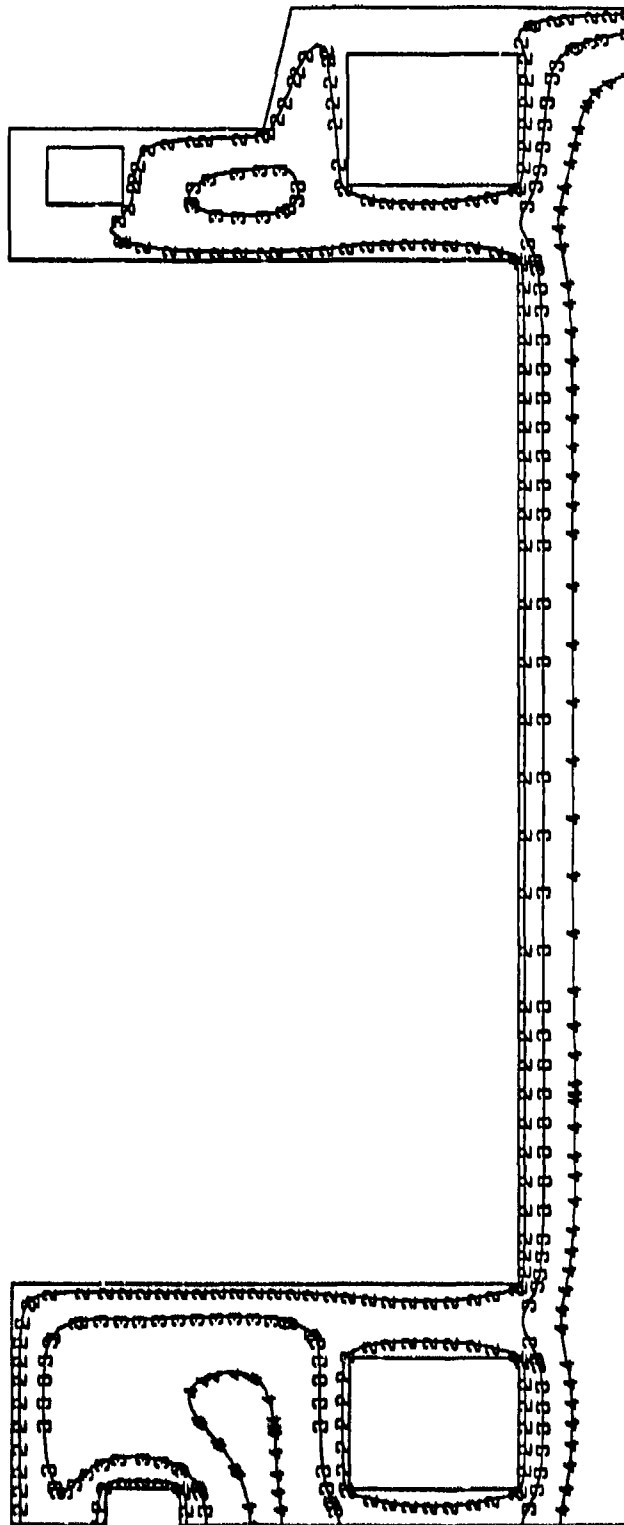
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_19

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 STEP 44 INCREMENT 5

TEMP
VALUE

1	+5.00E+01
2	+5.60E+01
3	+6.20E+01
4	+6.80E+01
5	+7.40E+01
6	+8.00E+01

RUN ONSTD4
ambient temp = 52 deg. F
time = 133 days



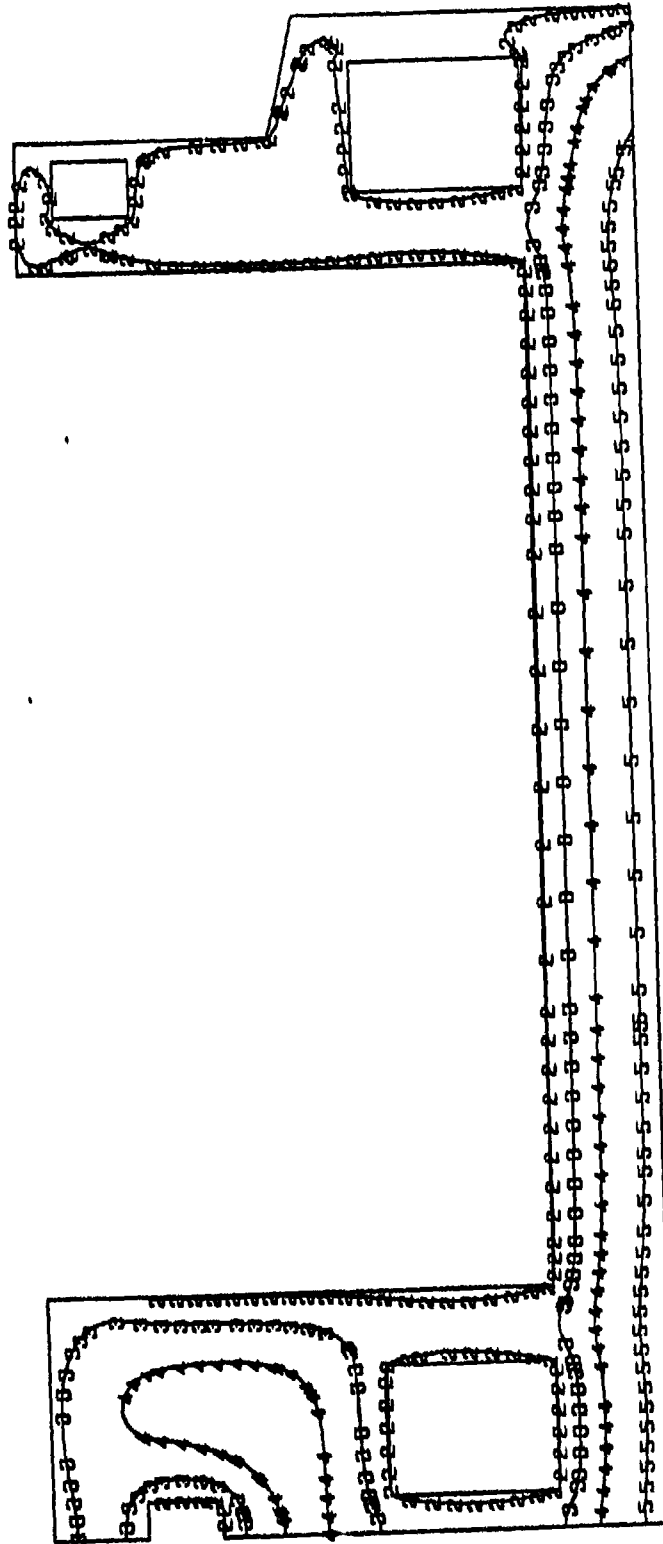
B61

1
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, LIFTS 1_19
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.330E+02 ■ STEP 45 INCREMENT 13

TEMP
VALUE

1 +3.00E+01
2 +3.80E+01
3 +4.60E+01
4 +5.40E+01
5 +6.20E+01
6 +7.00E+01

RUN OMSTDY4
ambient temp = 36.5 deg. F
time = 184 days



B62

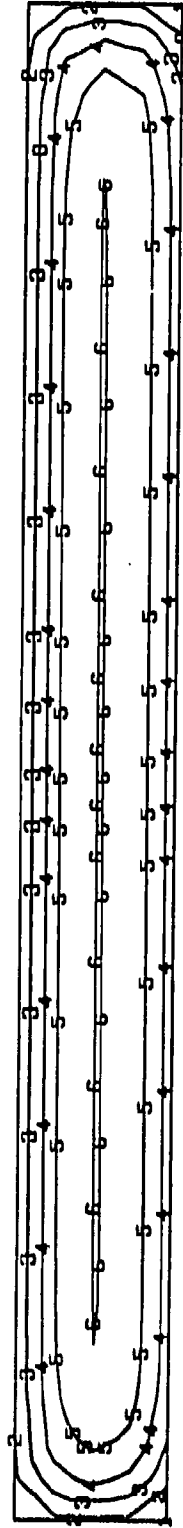
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_19

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.840E+02 STEP 47 INCREMENT 25

TEMP
VALUE

1	+7.80E+01
2	+7.98E+01
3	+8.16E+01
4	+8.34E+01
5	+8.52E+01
6	+8.70E+01

RUN OMSTDTS
ambient temp = 77.5 deg. F
time = 5 days



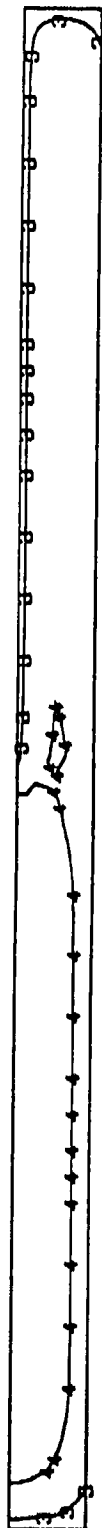
B63

WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+00 STEP 2 INCREMENT 6

RUN OMSTDT5
 ambient temp = 77.5 deg. F
 time = 10 days

TEMP	
VALUE	
1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+9.80E+01
5	+9.40E+01
6	+1.00E+02

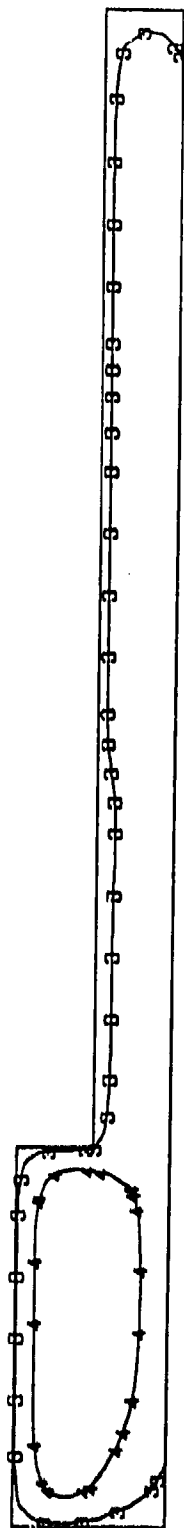


WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_2
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+01 STEP 4 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT5
ambient temp = 78.3 deg. F
time = 15 days



B65

1

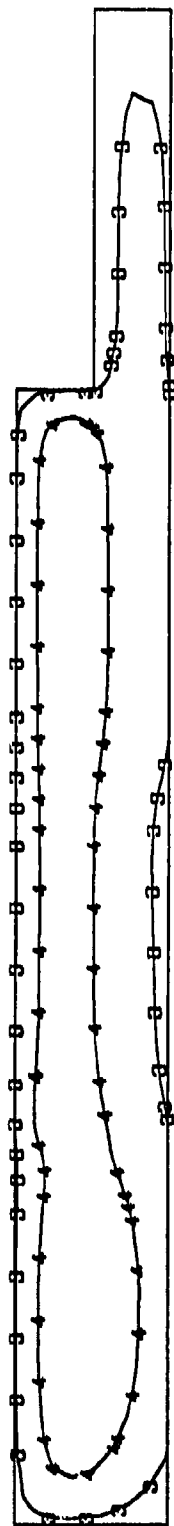
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS 1_3

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.500E+01 STEP 6 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.60E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDY5
ambient temp = 79 deg.F
time = 79 days



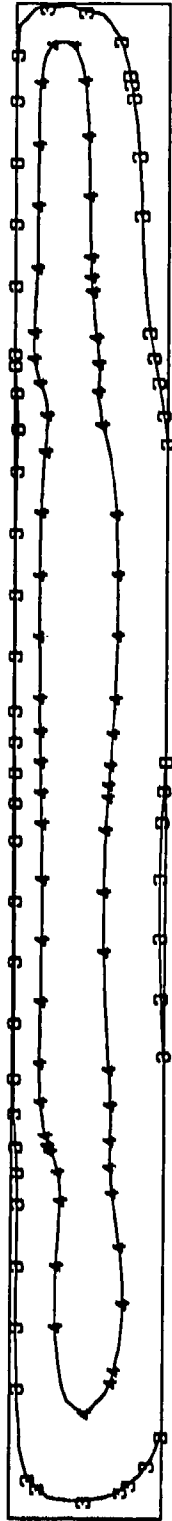
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_4

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +2.000E+01 STEP 8 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
4	+8.20E+01
5	+8.80E+01
5	+9.40E+01
5	+1.00E+02

RUN OMSTDTS
ambient temp = 79 deg. F
time = 25 days

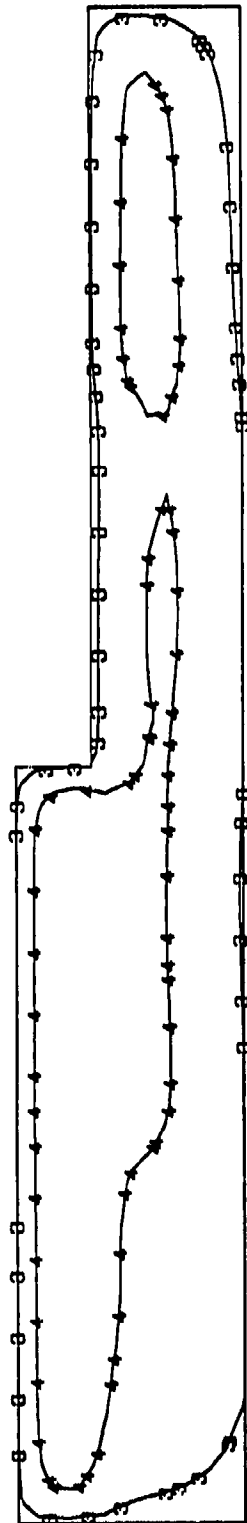


1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1_5
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +2.500E+01 STEP 10 INCREMENT 5

TEMP
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN ONSTDT5
ambient temp = 79 deg. F
time = 30 days



1

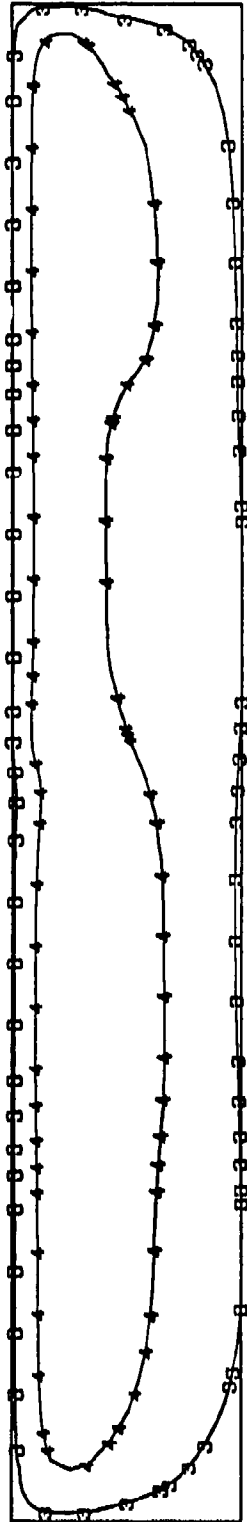
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1_6

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.000E+01 STEP 12 INCREMENT 6

TEMP
VALUE

1 +7.00E+01
2 +7.60E+01
3 +8.20E+01
4 +8.80E+01
5 +9.40E+01
6 +1.00E+02

RUN OMSTDTS
ambient temp = 78.75 deg. F
time = 35 days



1

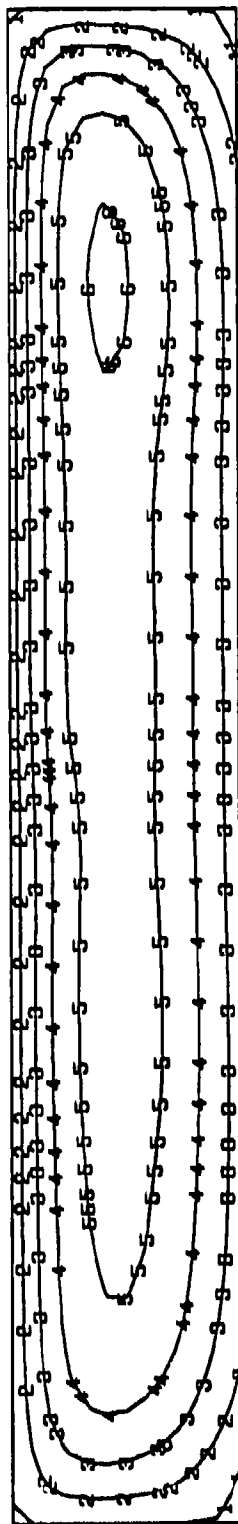
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_7

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.500E+01 STEP 14 INCREMENT 6

VALUE

1 +7.80E+01
 2 +8.00E+01
 3 +8.20E+01
 4 +8.40E+01
 5 +8.60E+01
 6 +8.80E+01

RUN OMSTDTS
 ambient temp = 77.55 deg. F
 time = 49 days



B70

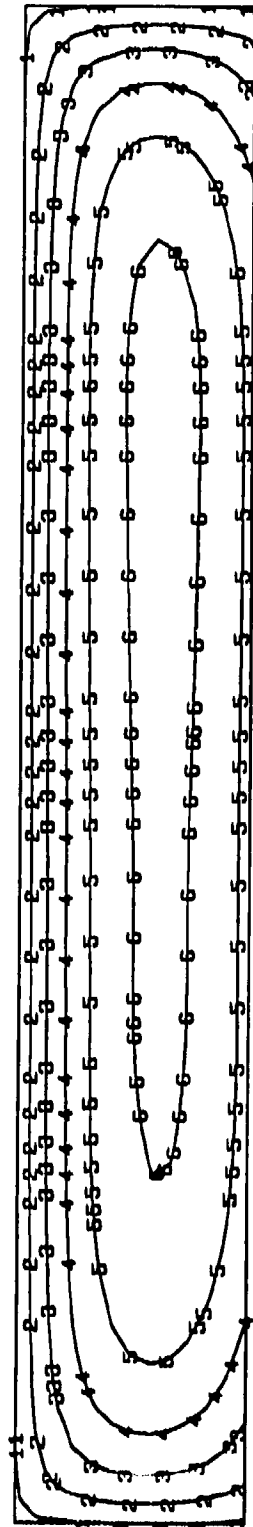
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_7

TIME COMPLETED IN THIS STEP +1.400E+01 TOTAL ACCUMULATED TIME +4.900E+01 STEP 15 INCREMENT 7

VALUE

- 1 +7.30E+01
- 2 +7.44E+01
- 3 +7.58E+01
- 4 +7.72E+01
- 5 +7.86E+01
- 6 +8.00E+01

RUN OMSTDT5
 ambient temp = 72.5 deg. F
 time = 77 days



B71

1

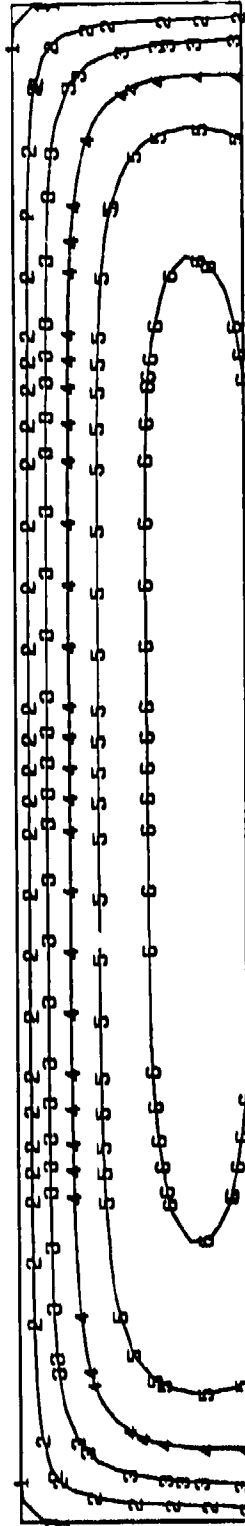
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L17

TIME COMPLETED IN THIS STEP +4.200E+01 TOTAL ACCUMULATED TIME +7.700E+01 STEP 15 INCREMENT 21

VALUE

1 +6.40E+01
2 +6.62E+01
3 +6.84E+01
4 +7.06E+01
5 +7.28E+01
6 +7.50E+01

RUN OMSTDY5
ambient temp = 63.5 deg. F
time = 105 days



B72

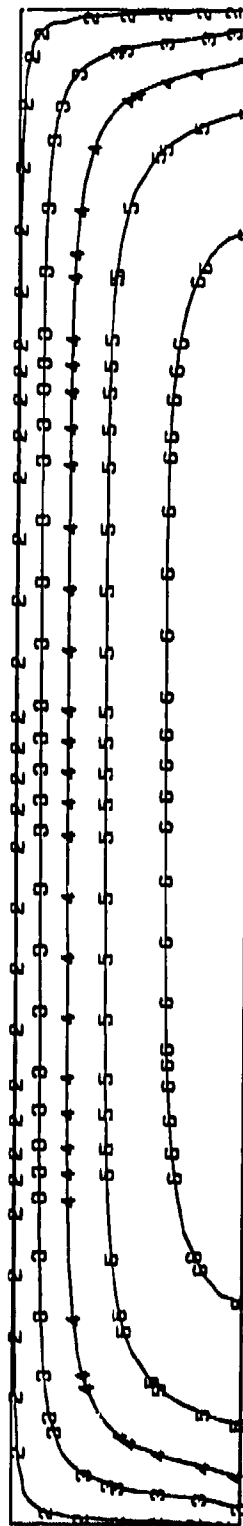
1
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L17

TIME COMPLETED IN THIS STEP +7.000E+01 TOTAL ACCUMULATED TIME +1.050E+02 STEP 15 INCREMENT 35

VALUE

1 +5.00E+01
 2 +5.40E+01
 3 +5.80E+01
 4 +6.20E+01
 5 +6.60E+01
 6 +7.00E+01

RUN OMSTDTS
 ambient temp = 52 deg. F
 time = 133 days



B73

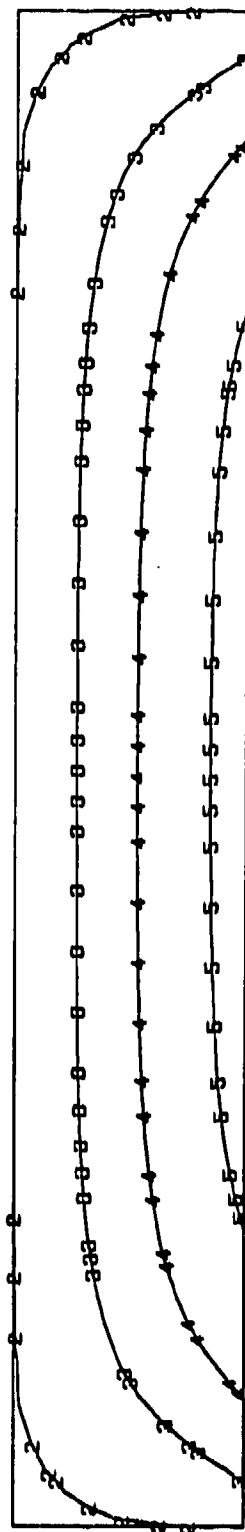
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1_7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.330E+02 STEP 15 INCREMENT 49

VALUE

- 1 +3.00E+01
- 2 +3.60E+01
- 3 +4.20E+01
- 4 +4.80E+01
- 5 +5.40E+01
- 6 +6.00E+01

RUN OMSTDT5
 ambient temp = 35.6 deg. F
 time = 233 days



B74

WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.330E+02 STEP 16 INCREMENT 50

APPENDIX C: MIXTURE 6 TEMPERATURE CONTOUR PLOTS

TEMP
VALUE

1	+7.70E+01
2	+7.84E+01
3	+7.98E+01
4	+8.12E+01
5	+8.26E+01
5	+8.40E+01



C3

1
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+00 STEP 2 INCREMENT 6

TEMP
VALUE

1	+7.70E+01
2	+7.80E+01
3	+7.90E+01
4	+8.00E+01
5	+8.10E+01
6	+8.20E+01



C4

CLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, LIFT 1

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +1.000E+01 STEP 3 INCREMENT 5

TEMP
VALUE

1	+7.80E+01
2	+7.98E+01
3	+8.15E+01
4	+8.34E+01
5	+8.52E+01
6	+8.70E+01



C5

1

OLMSTED, STRIP METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, L1_2
TIME COMPUTED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 500E+01 # STEP 5 INCREMENT 6

TEMP
VALUE

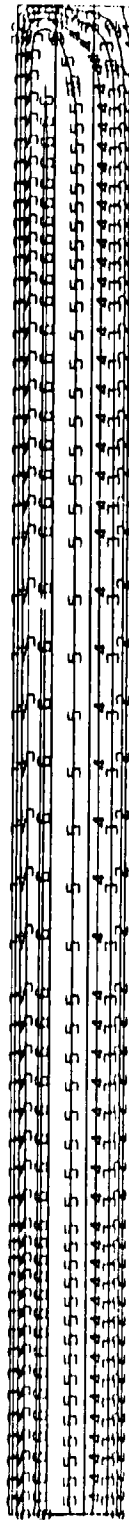
1	+7.80E+01
2	+7.96E+01
3	+8.12E+01
4	+8.28E+01
5	+8.44E+01
6	+8.60E+01



1
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1_2
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.000E+01 8 STEP 6 INCREMENT 5

TEMP
VALUE

1	+7.50E+01
2	+8.10E+01
3	+8.30E+01
4	+8.50E+01
5	+8.70E+01
6	+8.50E+01



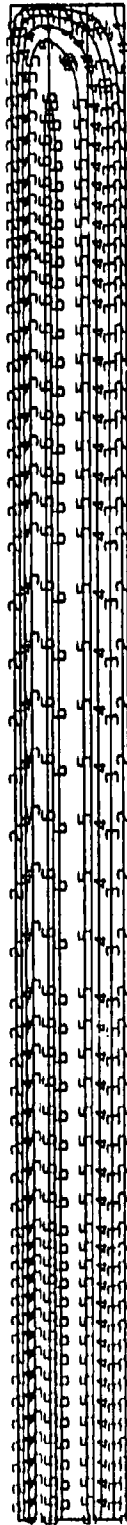
C7

1

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, LIFTS 1_3

TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +2 500E+01 8 STEP 8 INCREMENT 6

TEMP VALUE	
1	+7.90E+01
2	+8.10E+01
3	+8.30E+01
4	+8.50E+01
5	+8.70E+01
6	+8.90E+01

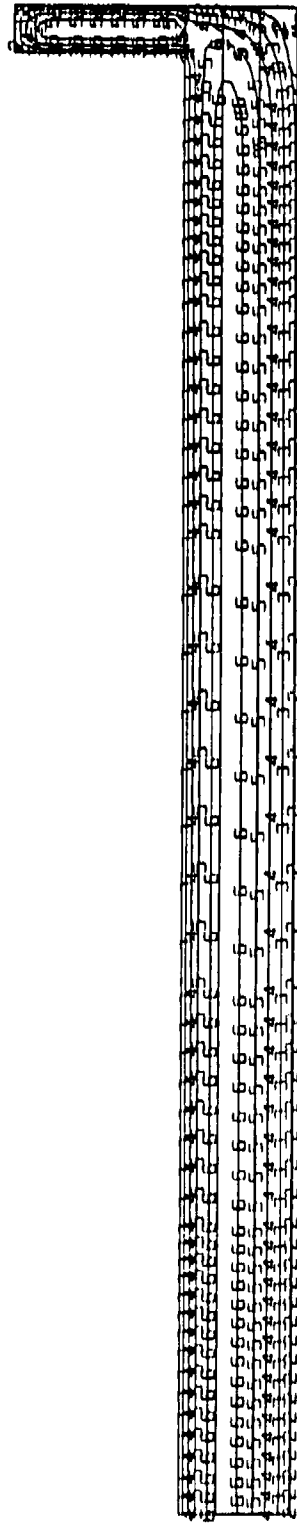


C8

1
 DIMENSION STOP METHOD 60 DEG PI CMT TEMP .JUNE 20 START 11FIS 1 3

TEMP
VALUE

1	+7.60E+01
2	+8.00E+01
3	+8.20E+01
4	+8.40E+01
5	+8.60E+01
6	+8.80E+01



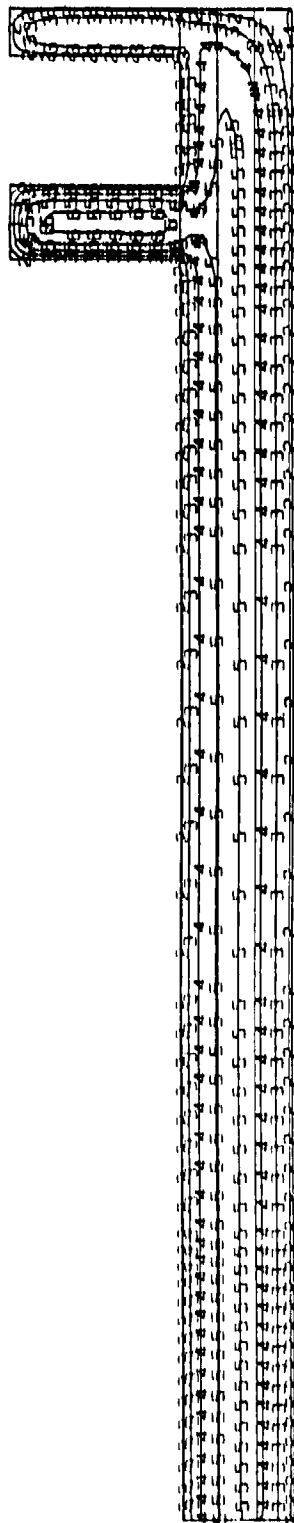
C9

1
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1_5

TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +3 600E+01 STEP 11 INCREMENT 6

TEMP
VALUE

1	+7.80E+01
2	+8.02E+01
3	+8.24E+01
4	+8.45E+01
5	+8.68E+01
6	+8.90E+01



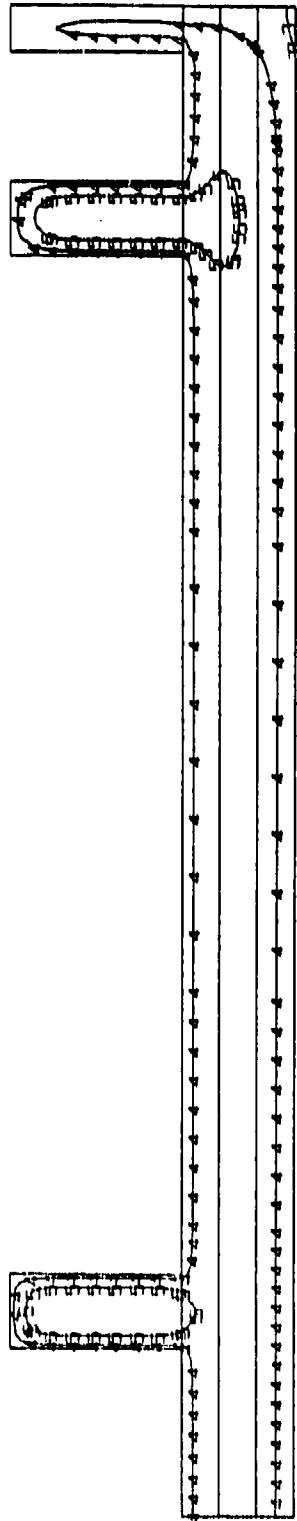
C10

OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, LIFTS L1_6

TIME COMPLETED BY THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +4 000E+01 5 STEP 13 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



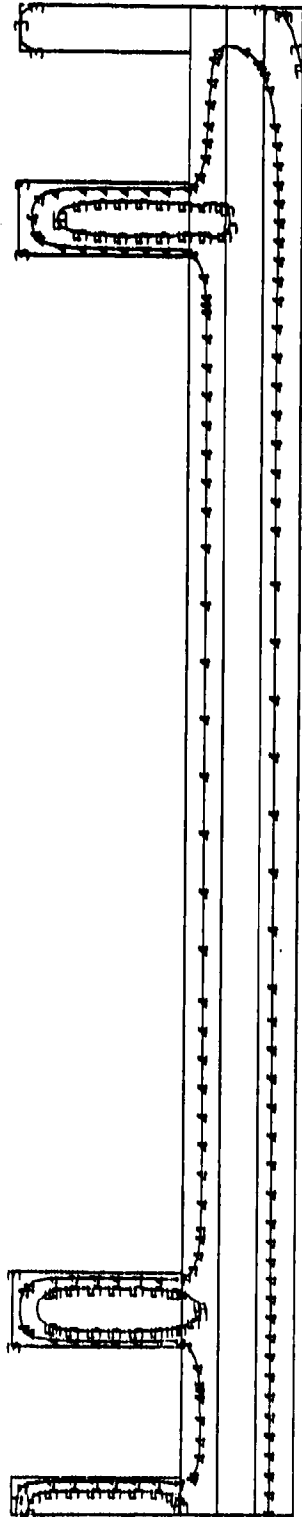
C11

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, LIFTS L1_7

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +4.50E+01 S STEP IS INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



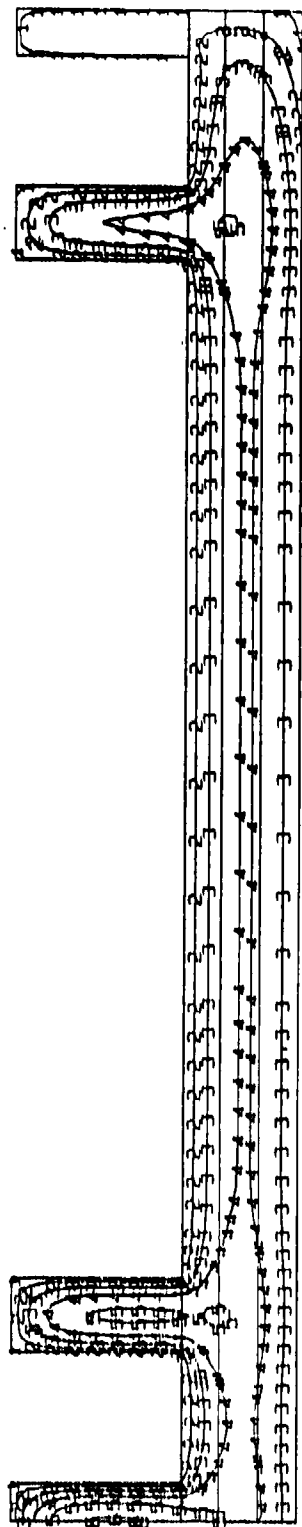
C12

1

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +2.000E+00 TOTAL ACCUMULATED TIME +5.000E+01 # STEP 17 INCREMENT 6

TEMP
VALUE

1 +7.50E+01
2 +7.76E+01
3 +7.92E+01
4 +8.08E+01
5 +8.24E+01
6 +8.40E+01



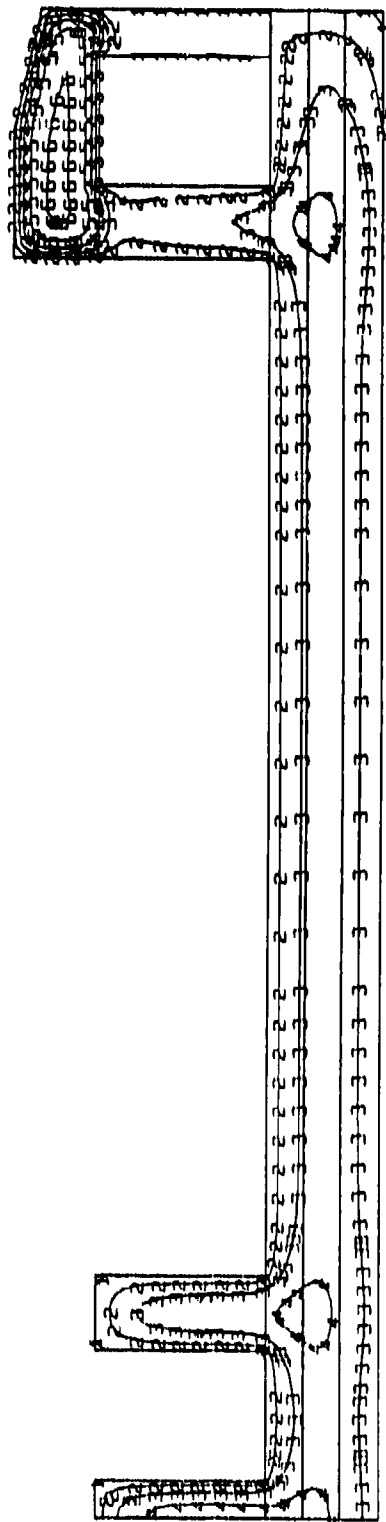
C13

1
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, LIFTS 1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.500E+01 B STEP 18 INCREMENT: 15

TEMP
VALUE

1	+7.50E+01
2	+7.70E+01
3	+7.90E+01
4	+8.10E+01
5	+8.30E+01
6	+8.50E+01

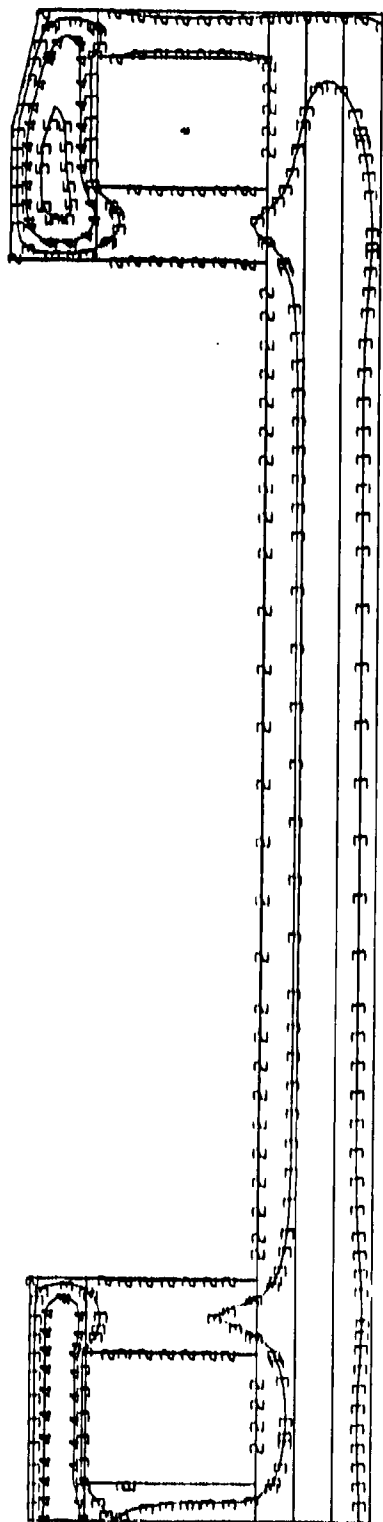


C14

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1_9
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +7 000E+01 STEP 2: INCREMENT 1

TEMP
VALUE

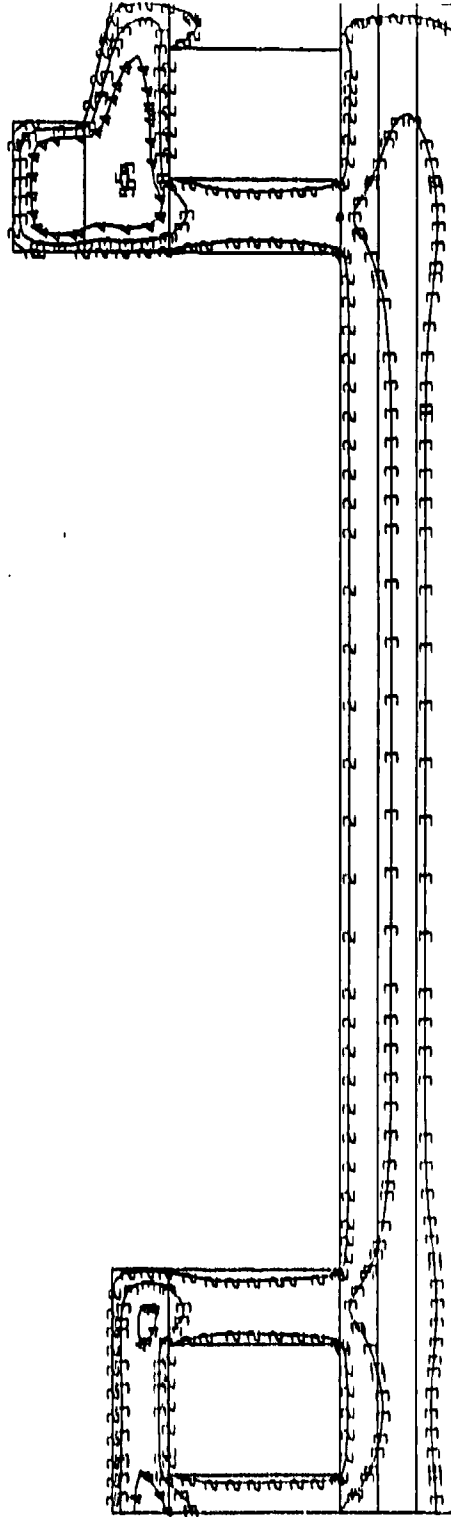
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



C15

1
OLMSTED, STRIP METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, L1_10
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +7 500E+01 STEP 24 INCREMENT 1

TEMP	
VALUE	
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

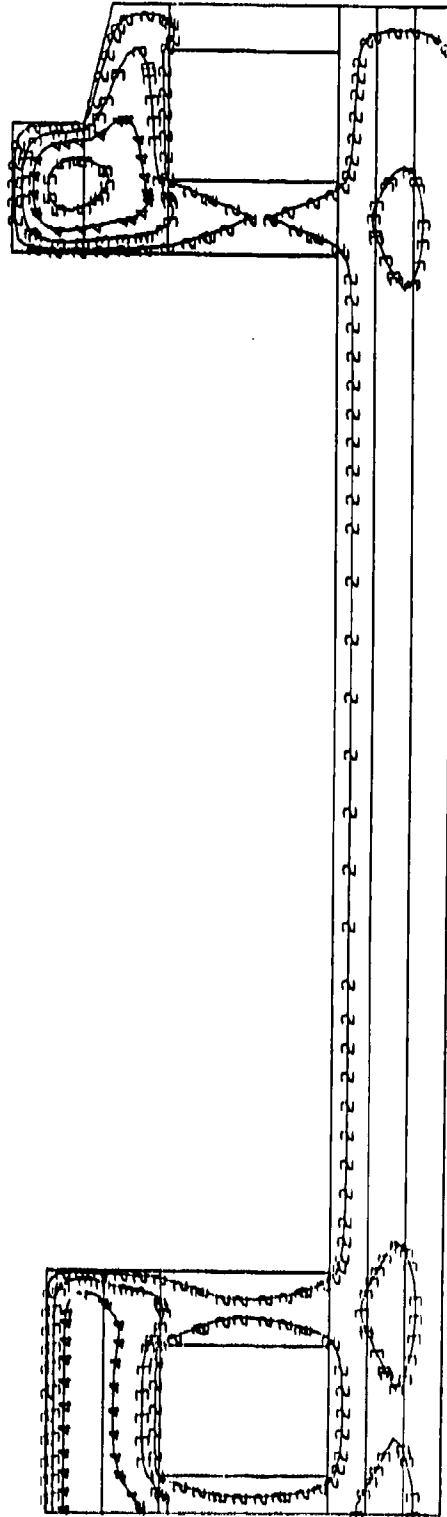


OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1_11

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 26 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

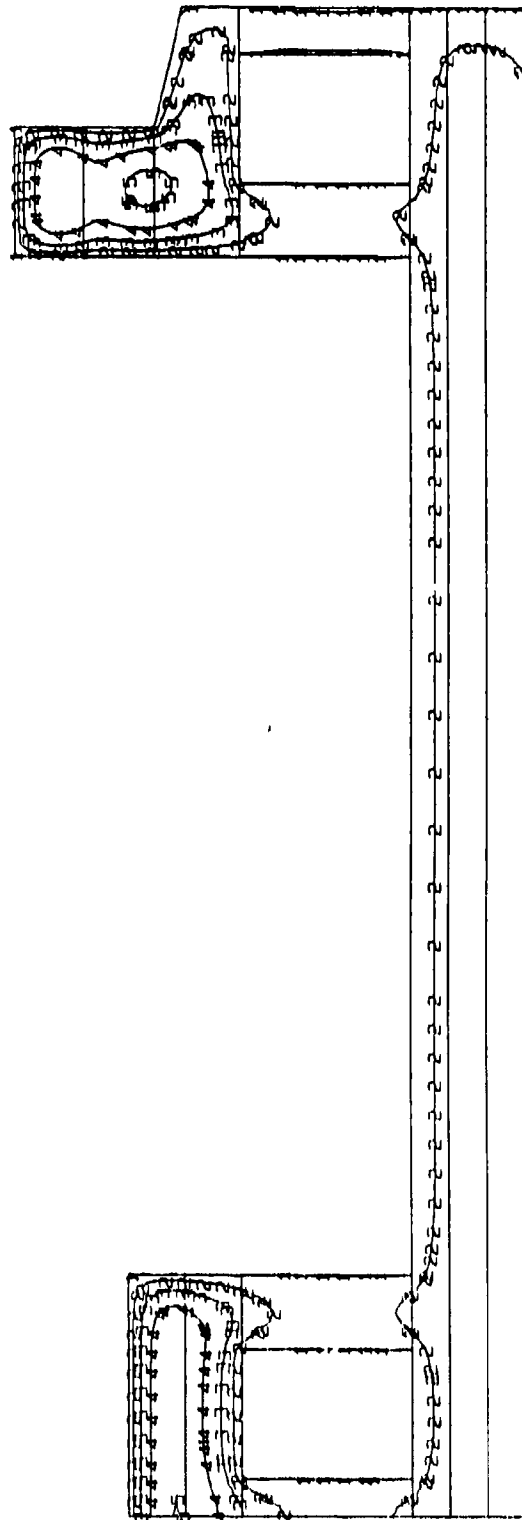


C17

1
OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1_12
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+01 # STEP 2B INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

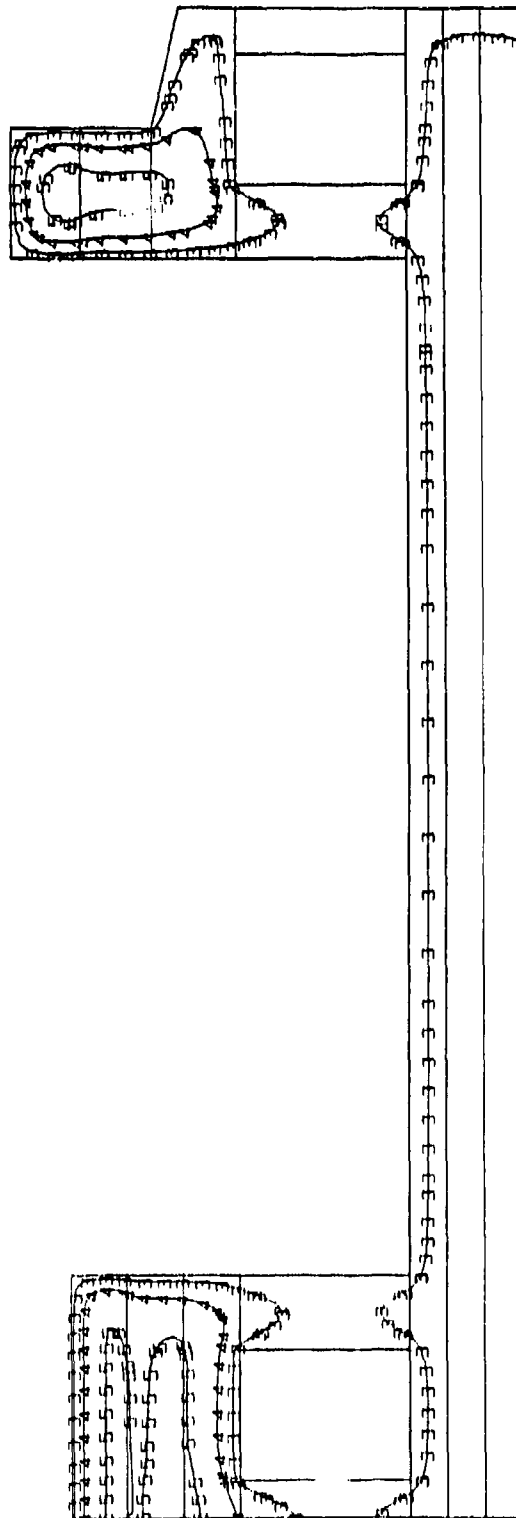


C18

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1_13
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 STEP 30 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



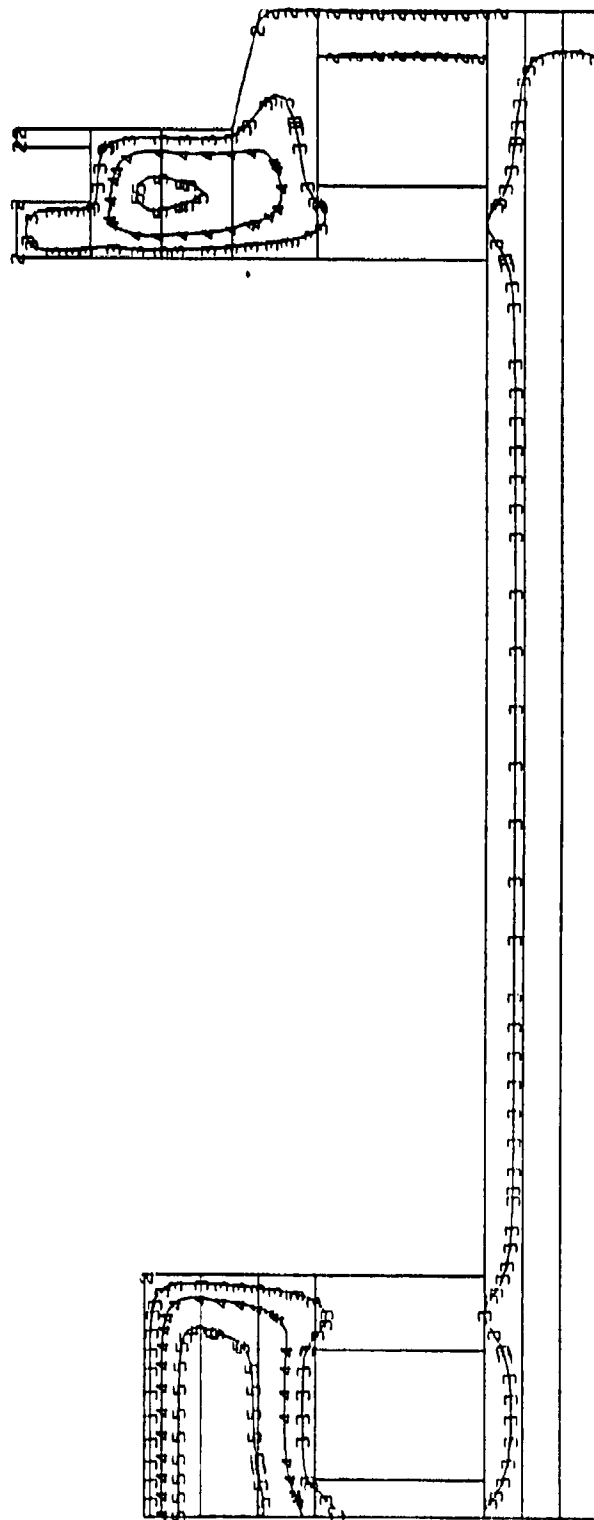
019

1
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1_14

TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +0 500E+01 8 STEP 32 INCREMENT 5

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

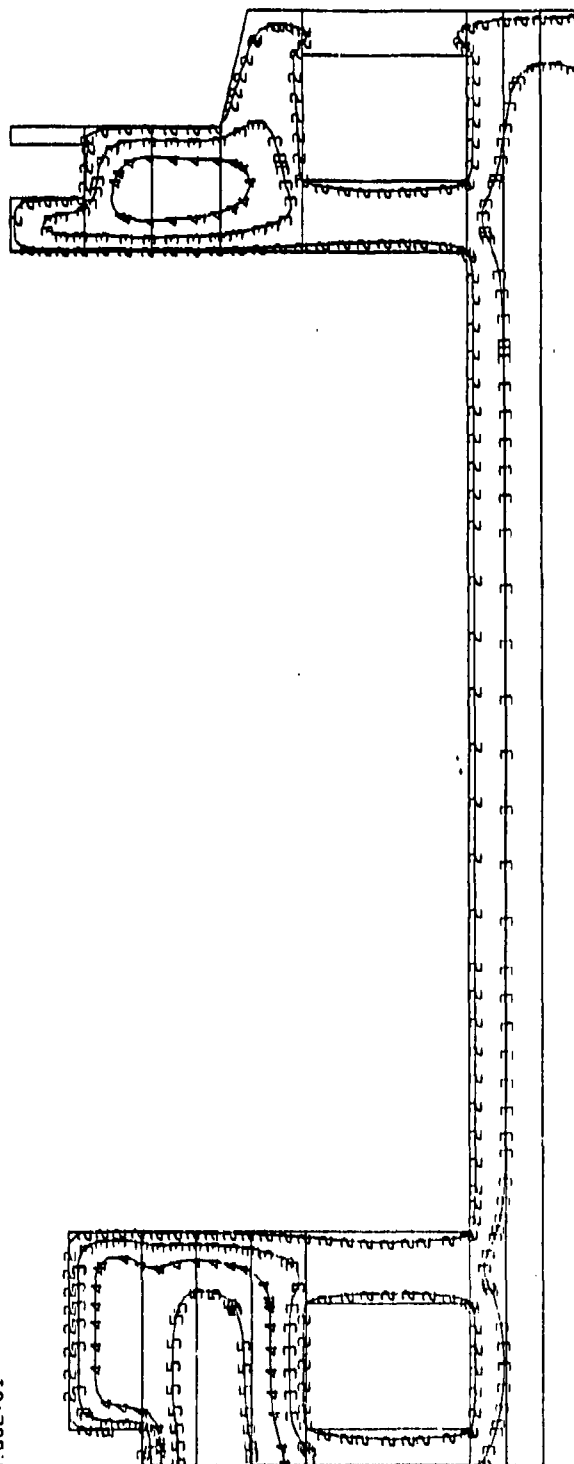


OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1_15

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.00E+02 S STEP 34 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

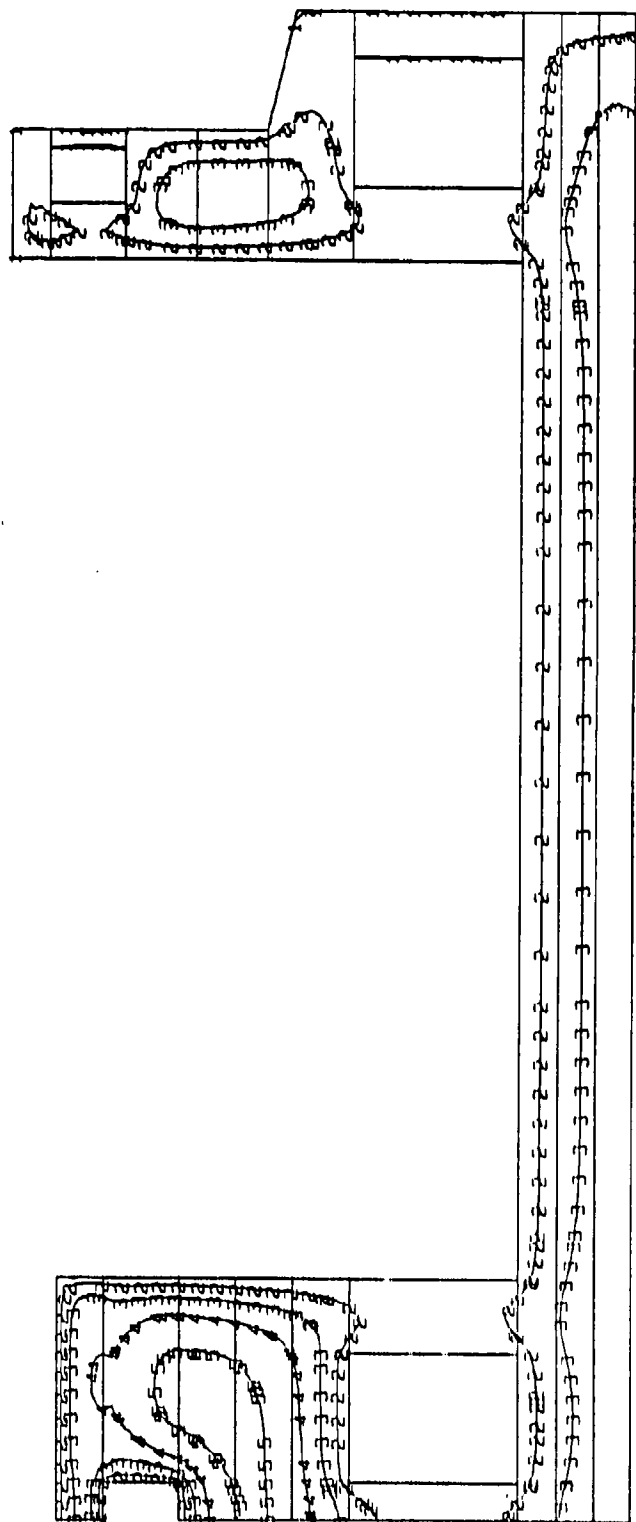


C21

1
OLMSTED, STRIP METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, L1_16

TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 050E+02 S STEP 36 INCREMENT 6

1	+5.00E+01
2	+6.50E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



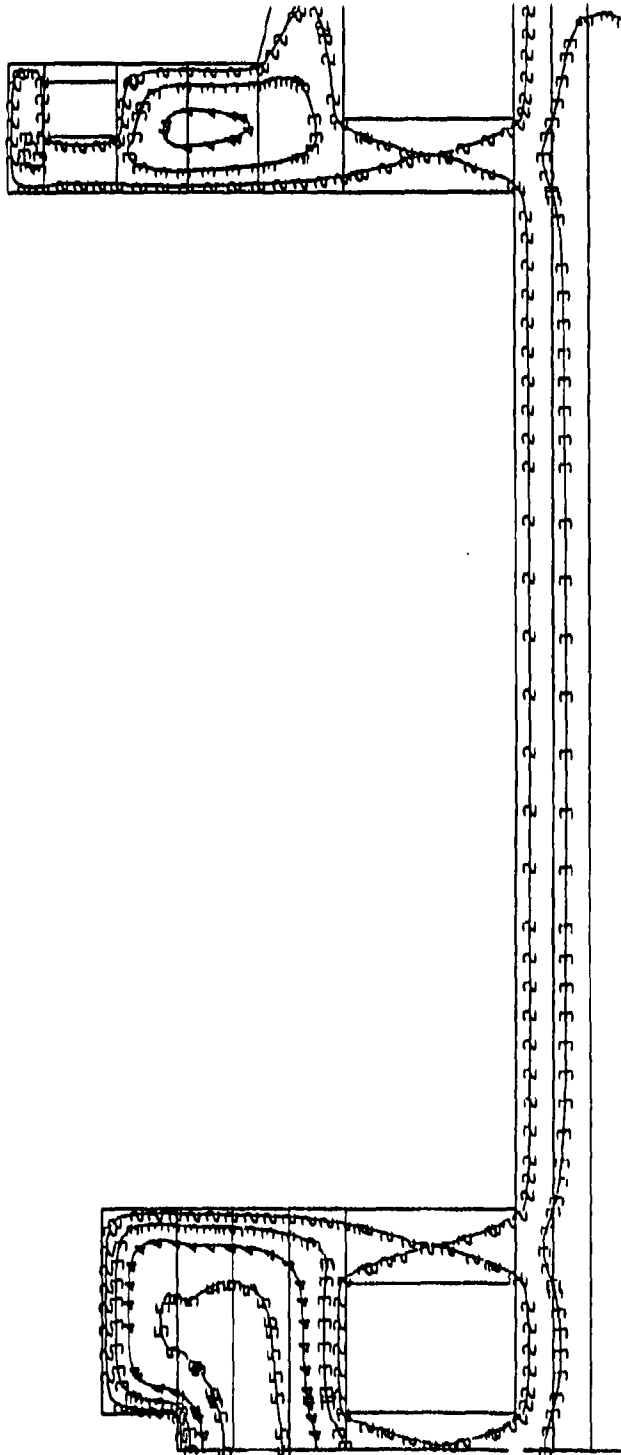
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1
OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1_18
TIME CONSIDERED IN THIS STEP  +5 000E-01  TOTAL ACCUMULATED TIME  +1 150E+02 8  STEP 42  INCREMENT 1

```

VALUE

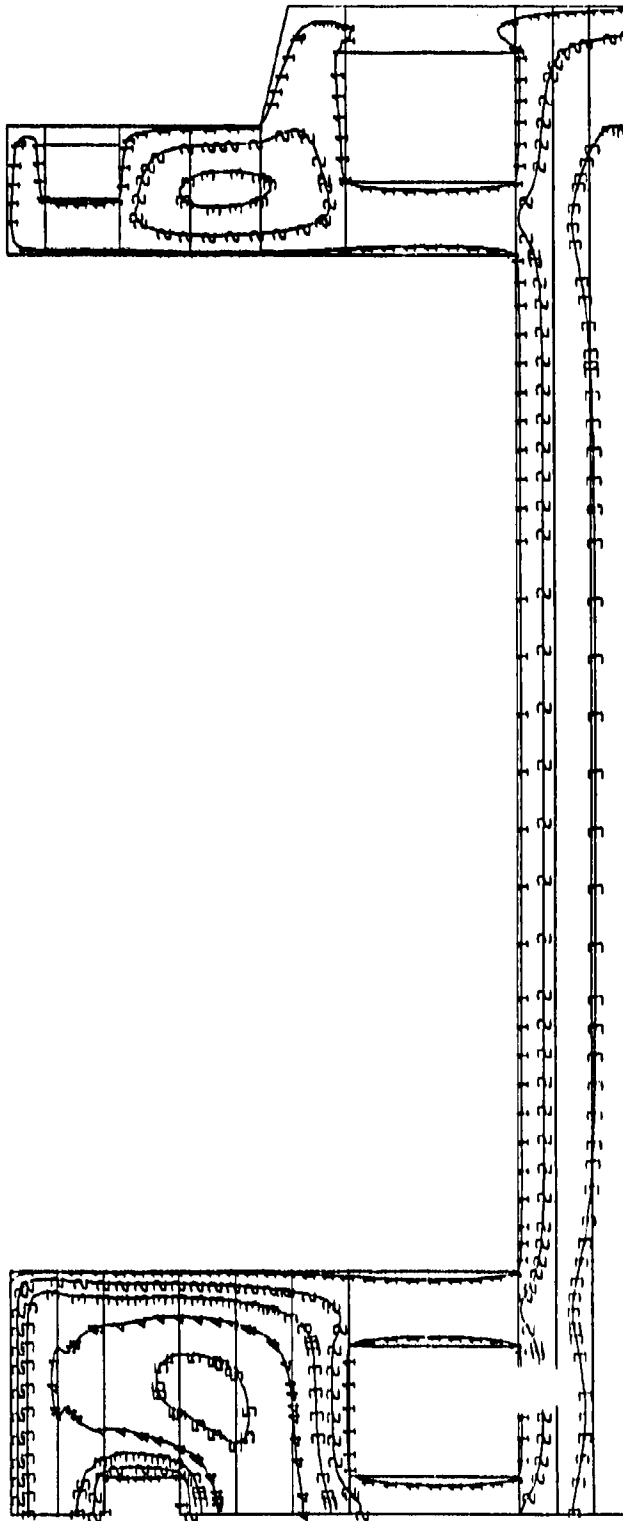
1	+5.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



1
OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1_17
TIME COMPLETED THIS STEP +5.00E+01 TOTAL ACCUMULATED TIME +1.10E+02 # STEP 39 INCREMENT 1

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.90E+01
5	+8.40E+01
6	+9.00E+01

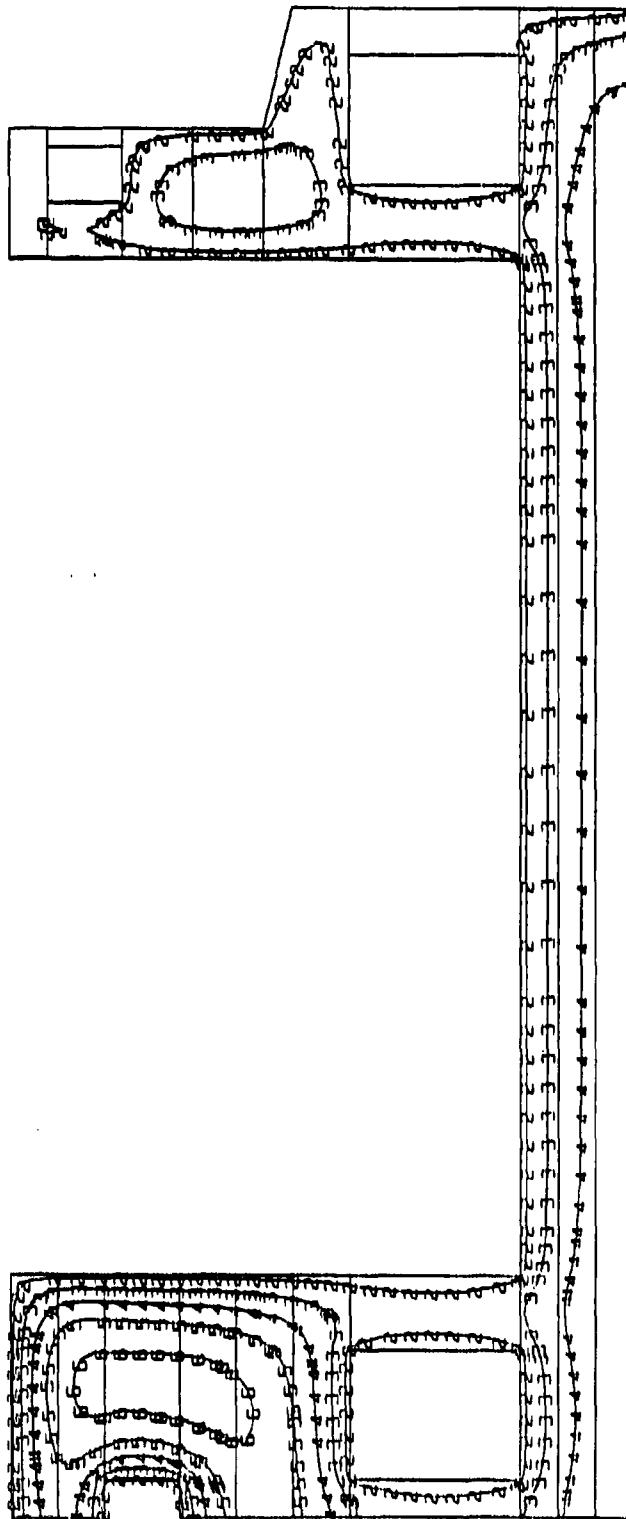


C24

1
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1_19
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 S STEP 44 INCREMENT 6

TEMP
VALUE

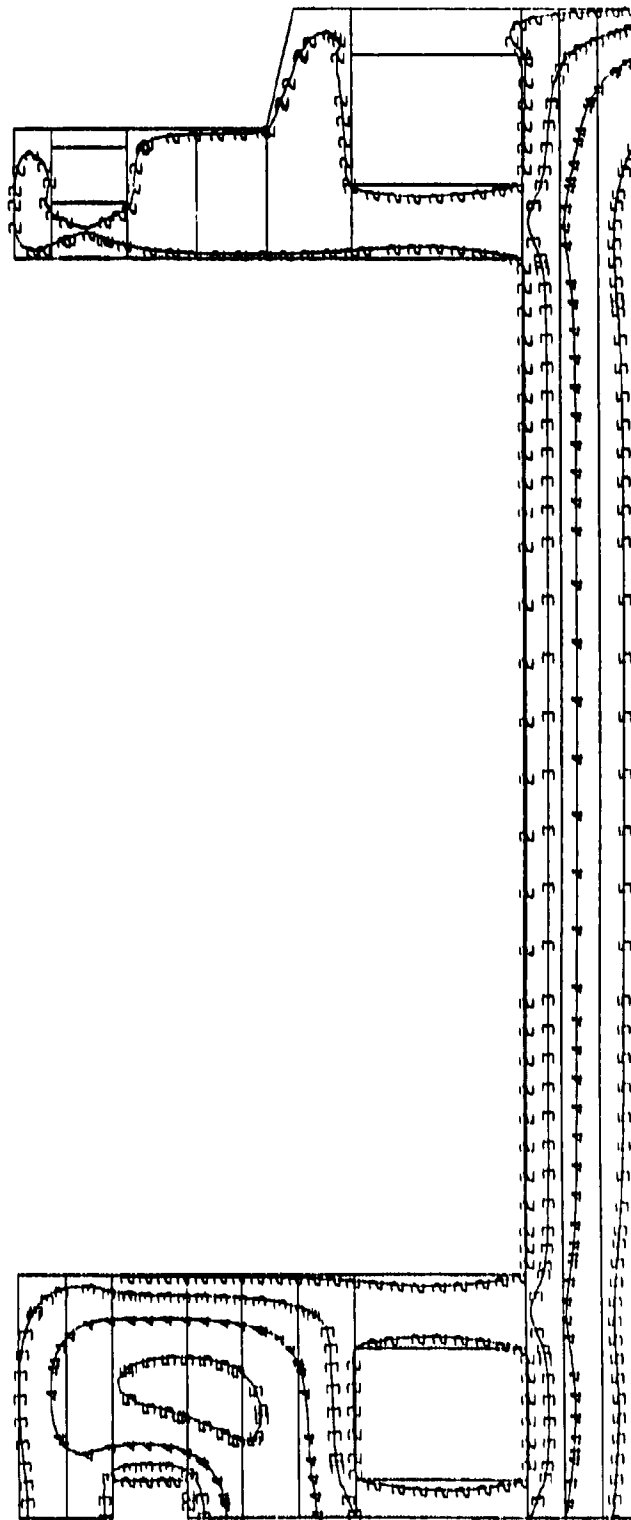
1	+5.00E+01
2	+5.60E+01
3	+6.20E+01
4	+6.80E+01
5	+7.40E+01
6	+8.00E+01



1
OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, LIFTS 1_19
TIME COMPLETED IN THIS STEP 11 30:37:01 TOTAL ACCUMULATED TIME 11 32:05:02 STEP 45 INCREMENT 13

٤٤

1	+3.00E+01
2	+3.80E+01
3	+4.60E+01
4	+5.40E+01
5	+6.20E+01
6	+7.00E+01



OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1_19

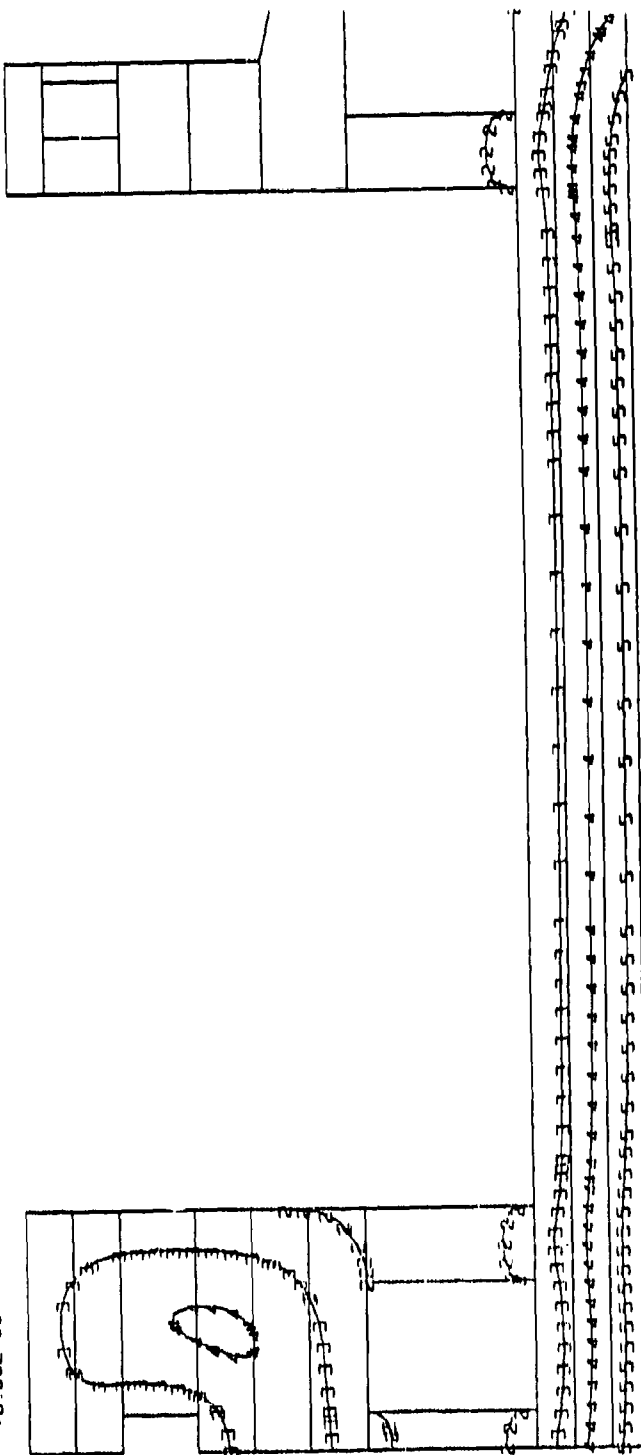
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TIME COMPLETED IN THIS STEP  +5 000E+01  TOTAL ACCUMULATED TIME  +1 640E+02 S  STEP 47  INCREMENT 25

```

TEMP
VALUE

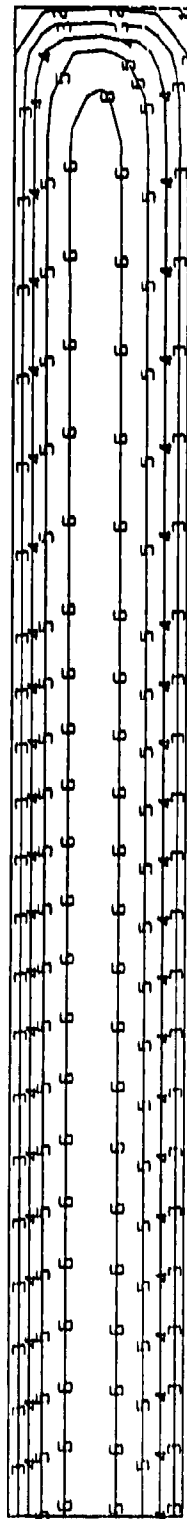
1	+3.00E+01
2	+3.60E+01
3	+4.20E+01
4	+4.80E+01
5	+5.40E+01
6	+6.00E+01



OLMSTED. STRIP METHOD, 60 DEG PLGMT TEMP, JUNE 20 START. L1_19

TEMP
VALUE

1	+7.80E+01
2	+8.00E+01
3	+8.20E+01
4	+8.40E+01
5	+8.60E+01
6	+8.80E+01



C28

1
OLMSTED, BLOCK METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+00 # STEP 2 INCREMENT 6

TEMP
VALUE

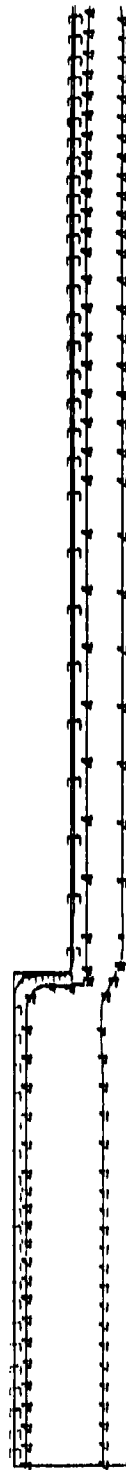
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



C29

1
OLMSTED. BLOCK METHOD. 60 DEG PLCMT TEMP. JUNE 20 START. L1_2
TIME STARTED TO INIC STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 000E+01 N STEP 4 INCREMENT 6

TEMP	
VALUE	
1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

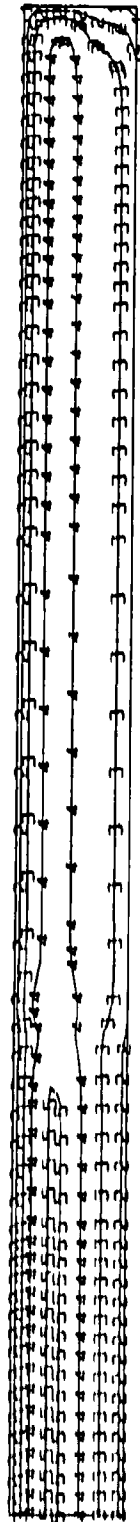


030

OLMSTED, BLOCK METHOD, 60 DEG PLMT TEMP, JUNE 20 START, LIFTS

TIME COMPLETED IN THIS STEP -3 000E+00 TOTAL ACCUMULATED TIME -3 500E+01 S STEP 6 INCREMENT 6

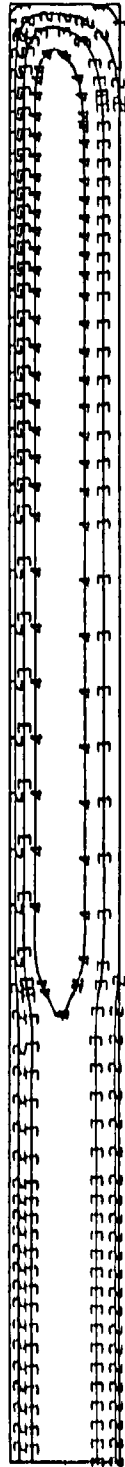
TEMP	
VALUE	
1	+8.00E+01
2	+8.40E+01
3	+8.80E+01
4	+9.20E+01
5	+9.60E+01
6	+1.00E+02



1

OLMSTED. BLOCK METHOD. 60 DEG PLMT TEMP. JUNE 20 START. LIFTS 1_4
 TIME REQUIRED IN THIS STEP 43.00E+01 TOTAL ACCUMULATED TIME 42.00E+01 STEP 8 INCREMENT 6

TEMP VALUE	
1	+8.00E+01
2	+8.40E+01
3	+8.80E+01
4	+9.20E+01
5	+9.60E+01
6	+1.00E+02

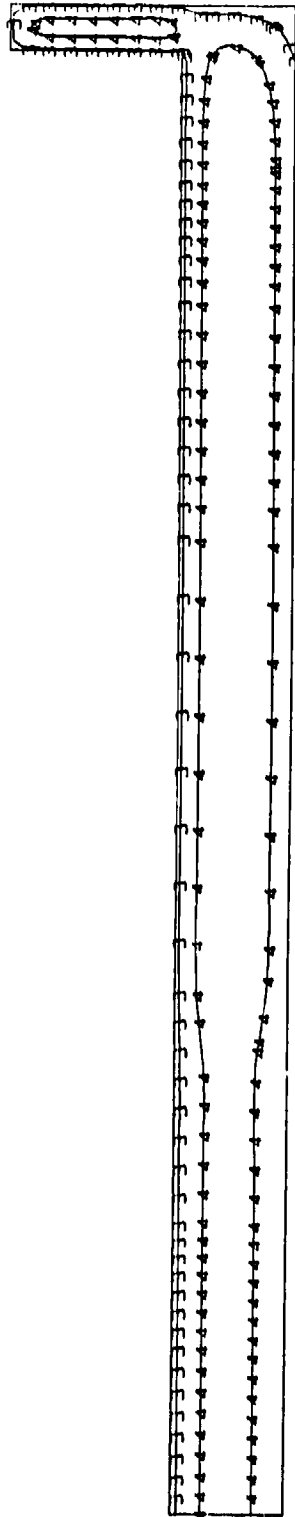


OLMSTED, BLOCK METHOD, . 60 DEG TEMP, JUNE 20 START, LIFTS 1_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +3.000E+01 STEP 9 INCREMENT 10

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

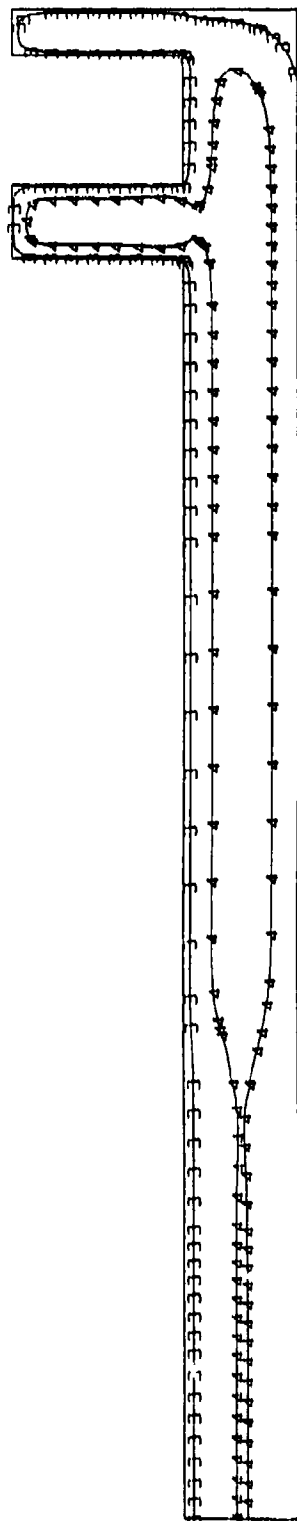


C33

1
OLMSTED, BLOCK METHOD, 60 DEG PI CMT TEMP, JUNE 20 START, 1.1 5

TEMP
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02



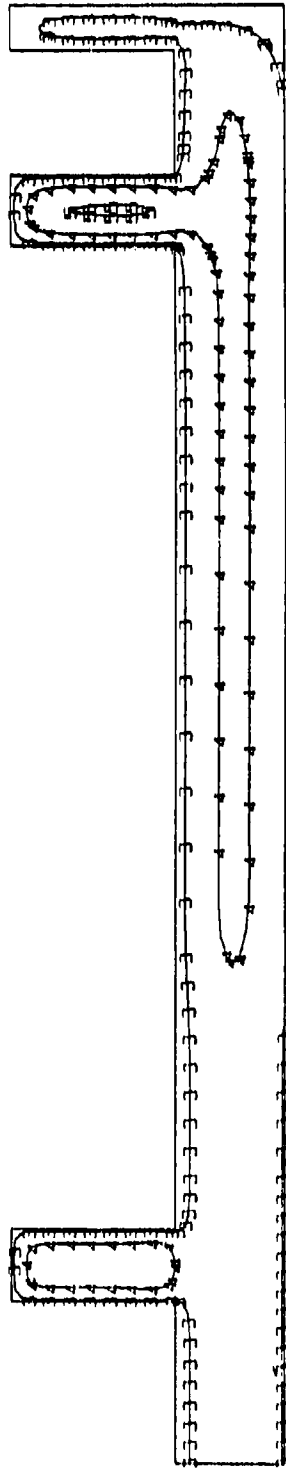
C34

1

OLMSTED. BLOCK METHOD. 60 DEG PLCMT TEMP. JUNE 20 START. LIFTS L1_6

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

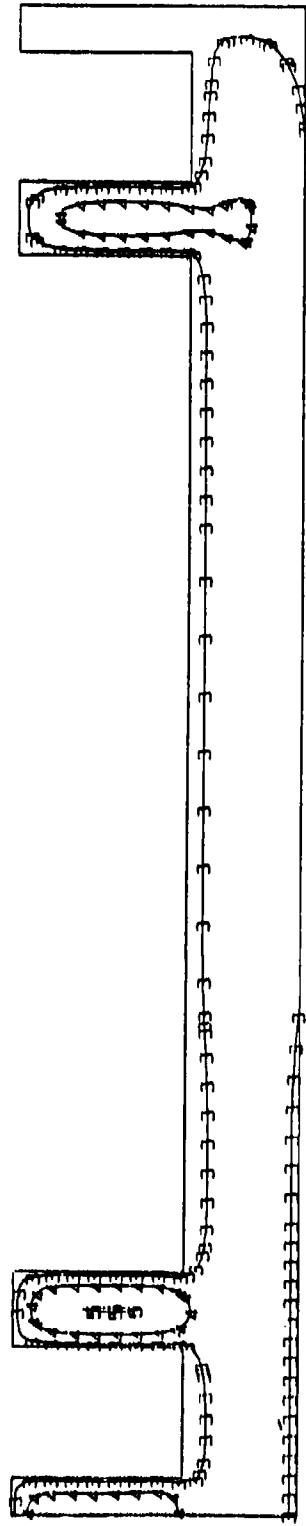


C35

1
MSTEN B1 NCK MFTHNN 60 NEG PI CMT TEMP JUNE 20 START LIFTS J 1 7

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

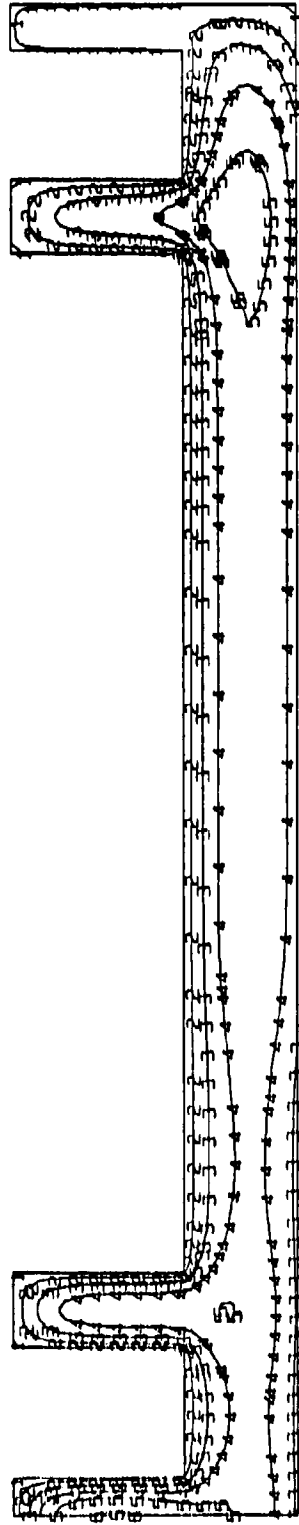


C36

1
CUMSTED BLOCK METHOD, 60 DEG PI CMT TEMP, JUNE 20 START, 1 1 8

TEMP
VALUE

1	+7.60E+01
2	+7.78E+01
3	+7.96E+01
4	+8.14E+01
5	+8.32E+01
6	+8.50E+01

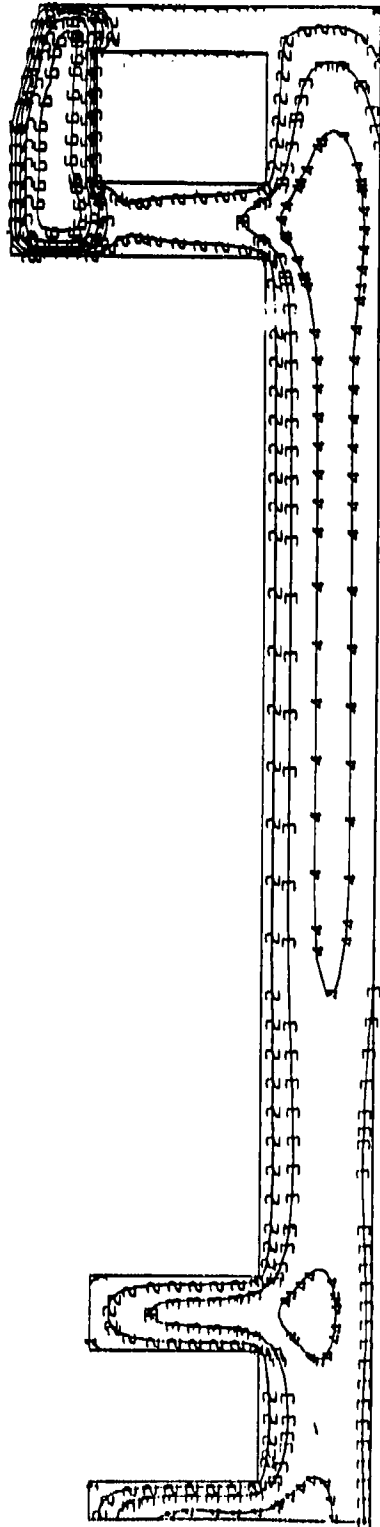


C37

OLMSTED, BLOCK METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, LIFTS 1 8

TEMP
VALUE

1	+7.50E+01
2	+7.72E+01
3	+7.94E+01
4	+8.16E+01
5	+8.38E+01
6	+8.60E+01

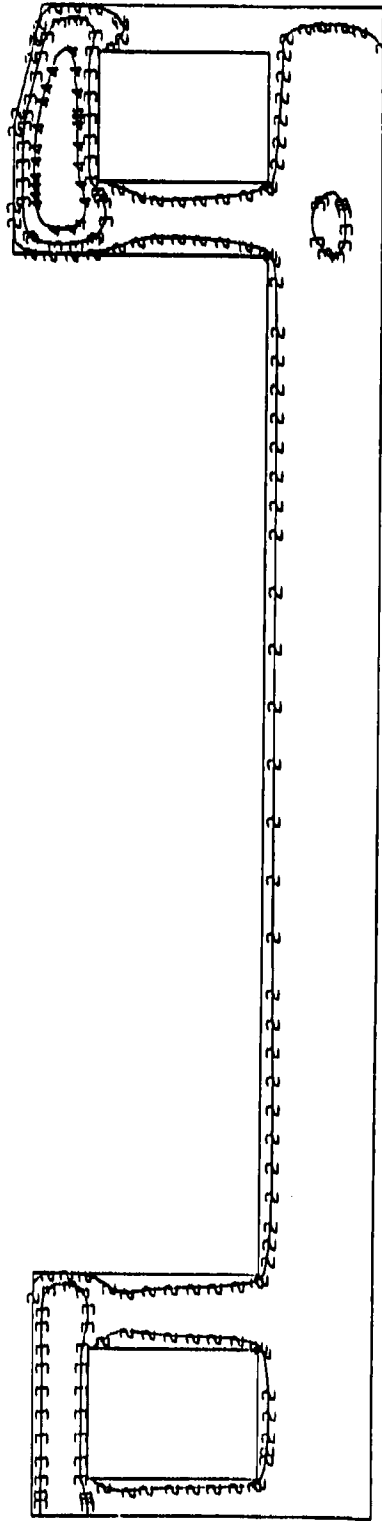


C38

1
DIMENSIONED BY NCK METHOD 60 DEG DI CMT TEMP LINE 20 START 1 1 0

TEMP
VALUE

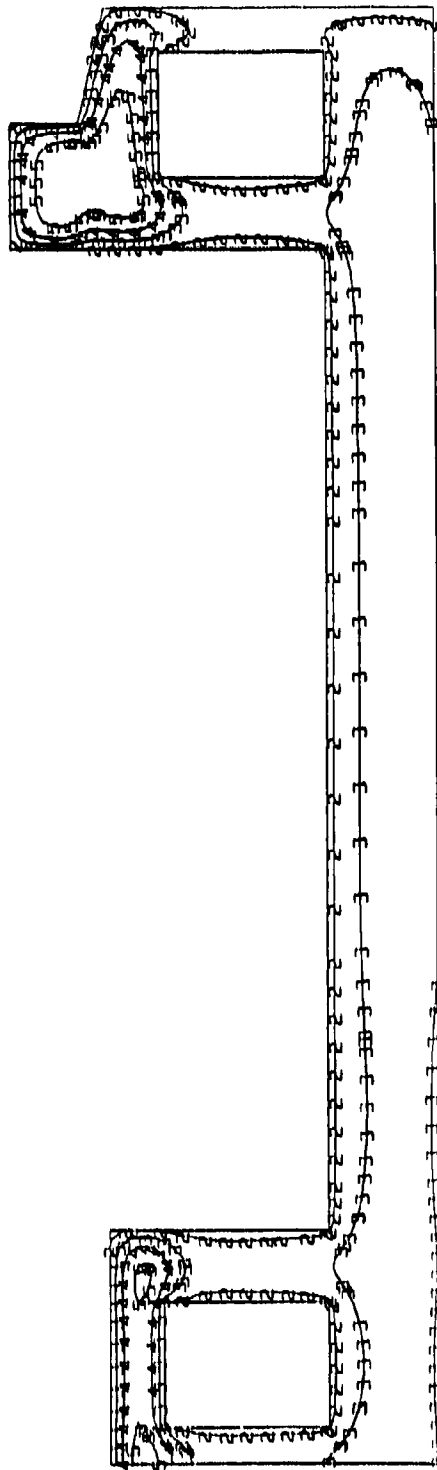
1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02



C39

OLMSTED, BLOCK METHOD, 60 DEG PL CMT TEMP, JUNE 20 START, L1 10

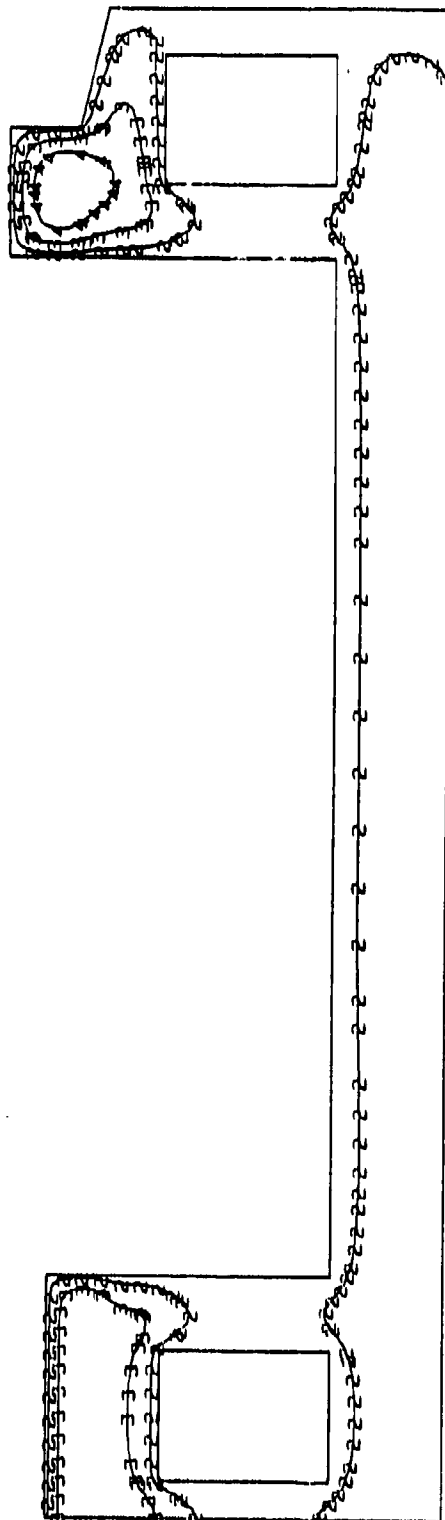
TR	VALUE
1	+7.00E+01
2	+7.40E+01
3	+7.90E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



C40

1
DIMSTEN BLOCK METHOD. 60 DEG PICMT TEMP. JUNE 20 START. 11 11

TEMP	VALUE
1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02



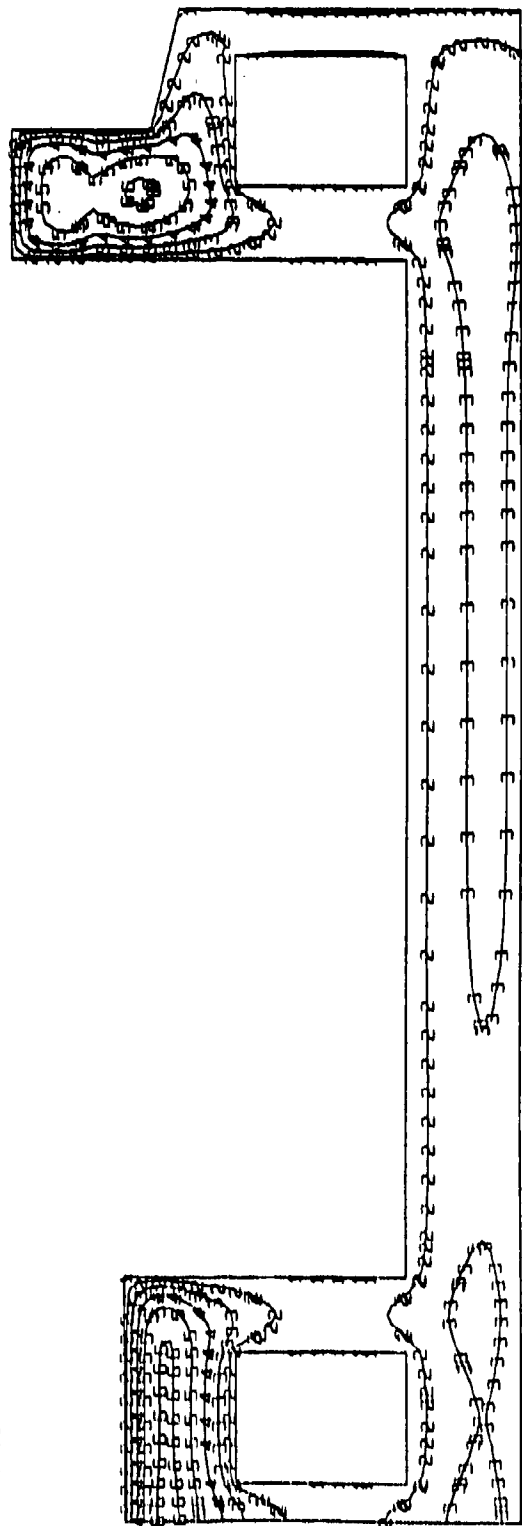
C41

1

ON INSTEN RI OCK METHON 60 NEG PI CMT TEMP .JUNE 20 START 11 12

TEMP
VALUE

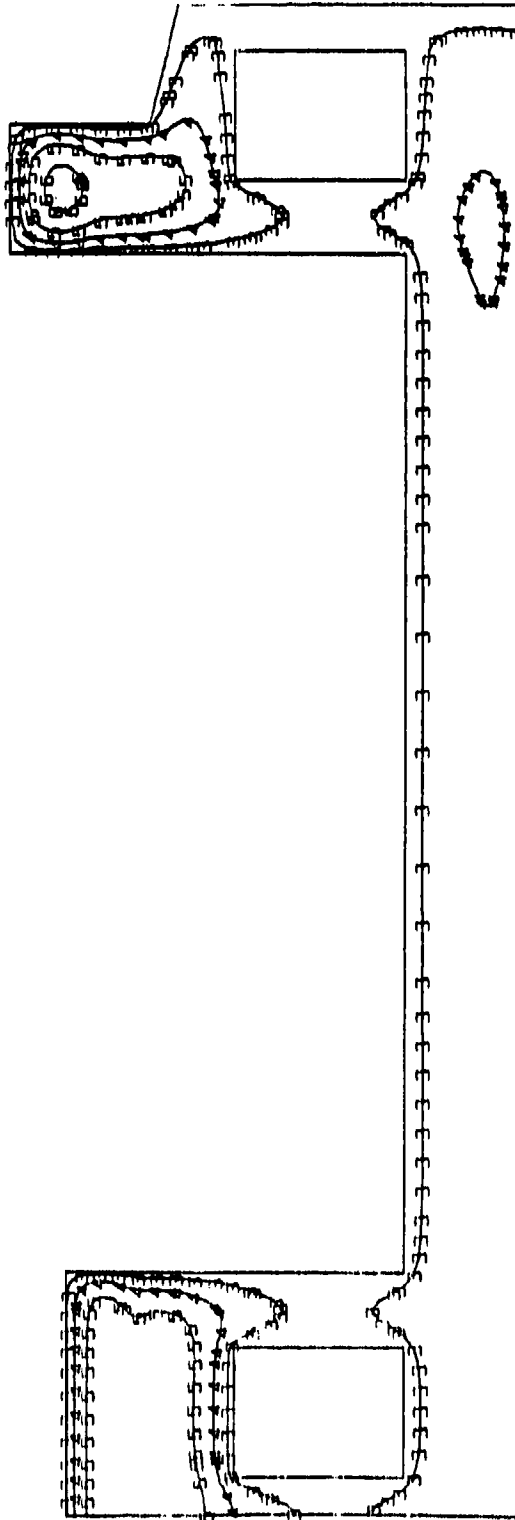
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



1
ON MCTEN PI ORK METHODON 60 NEG PI OMT TEMP .IINE 20 START I 1 13

TEMP
VALUE

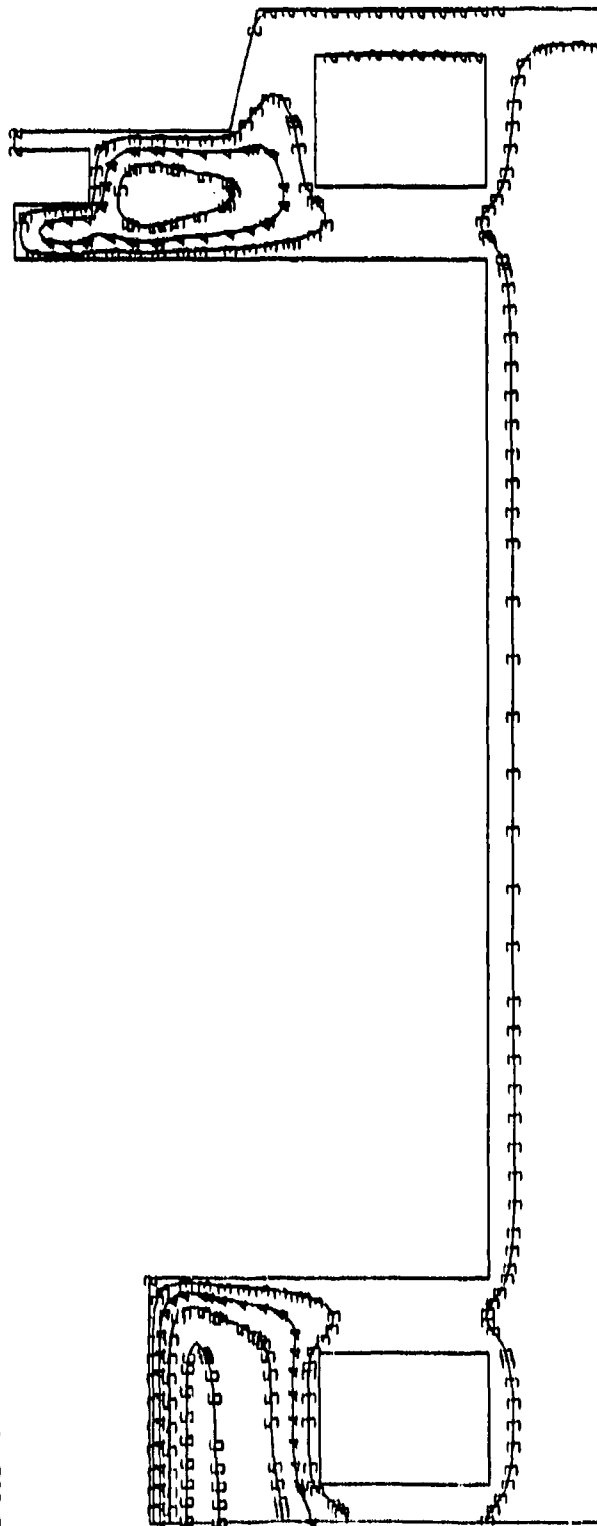
1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



C43

1
MASTER BU BOOK METHODON 60 DEG PI CMT TEMP JUNE 20 START 11 14

TEMP	VALUE
1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

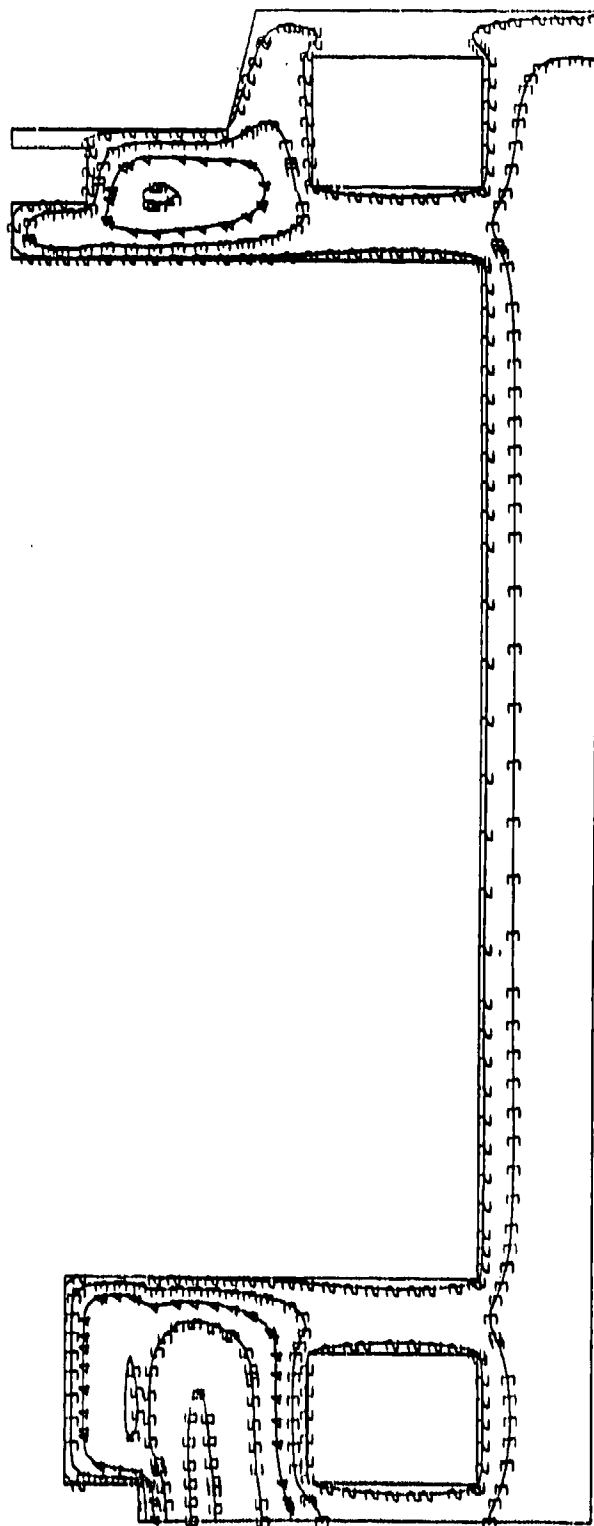


C44

1
OIMSTED, BLOCK METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1 15

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

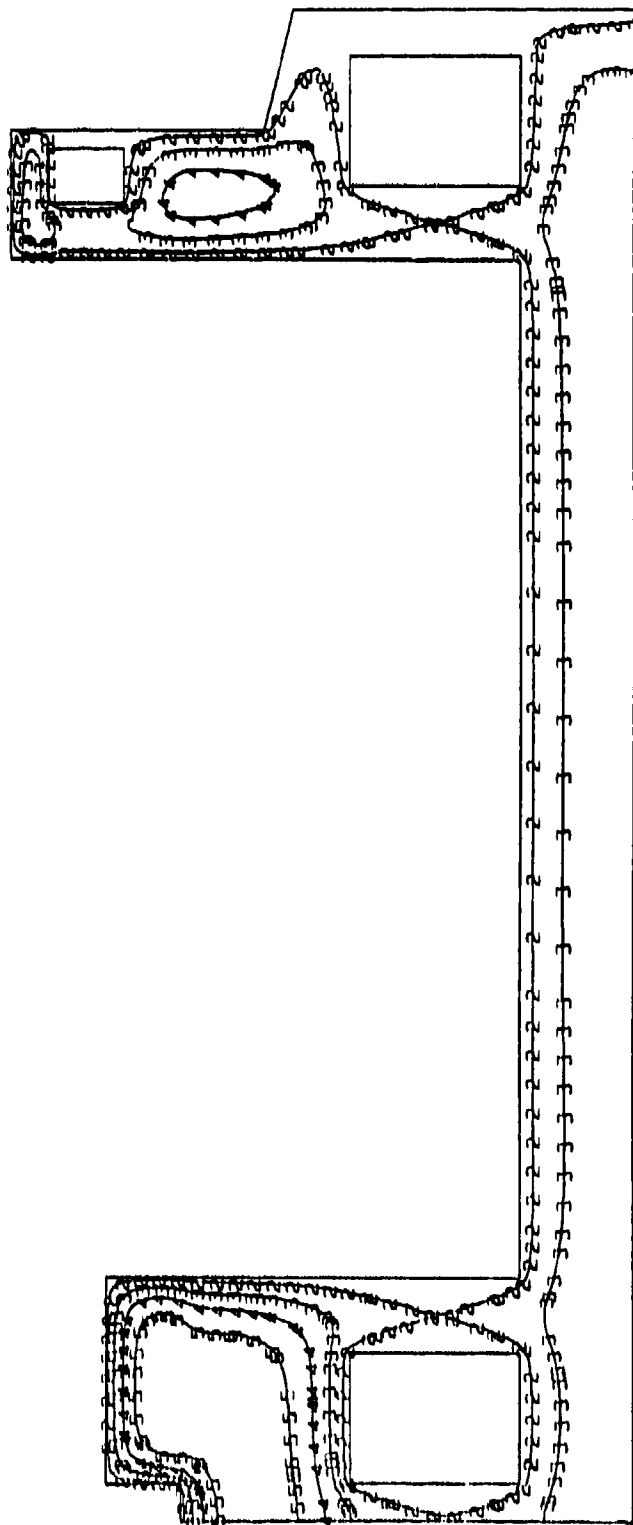


C45

1
OIMSTED BLOCK METHOD 60 DEG PI CMT TEMP JUNE 20 START 11 16

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+5.00E+01

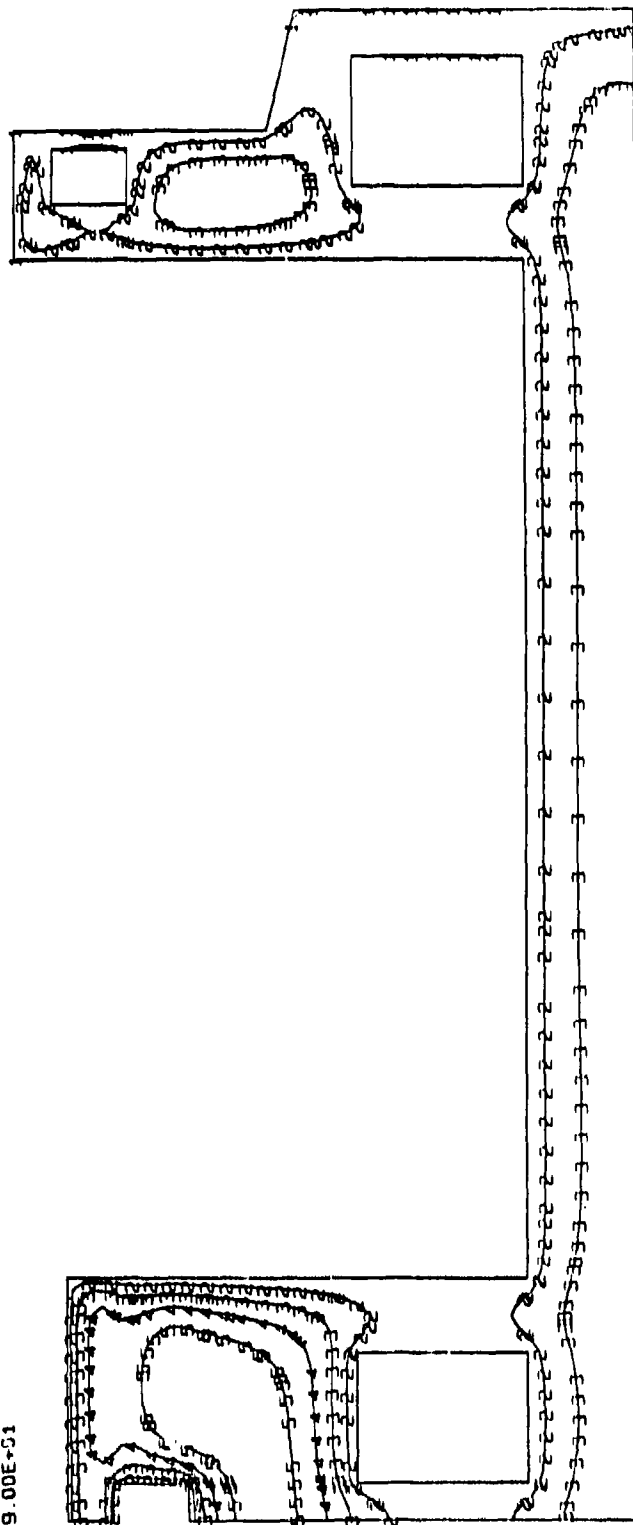


C46

OLMSTED, BLOCK METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, L1 17

TEMP
VALUE

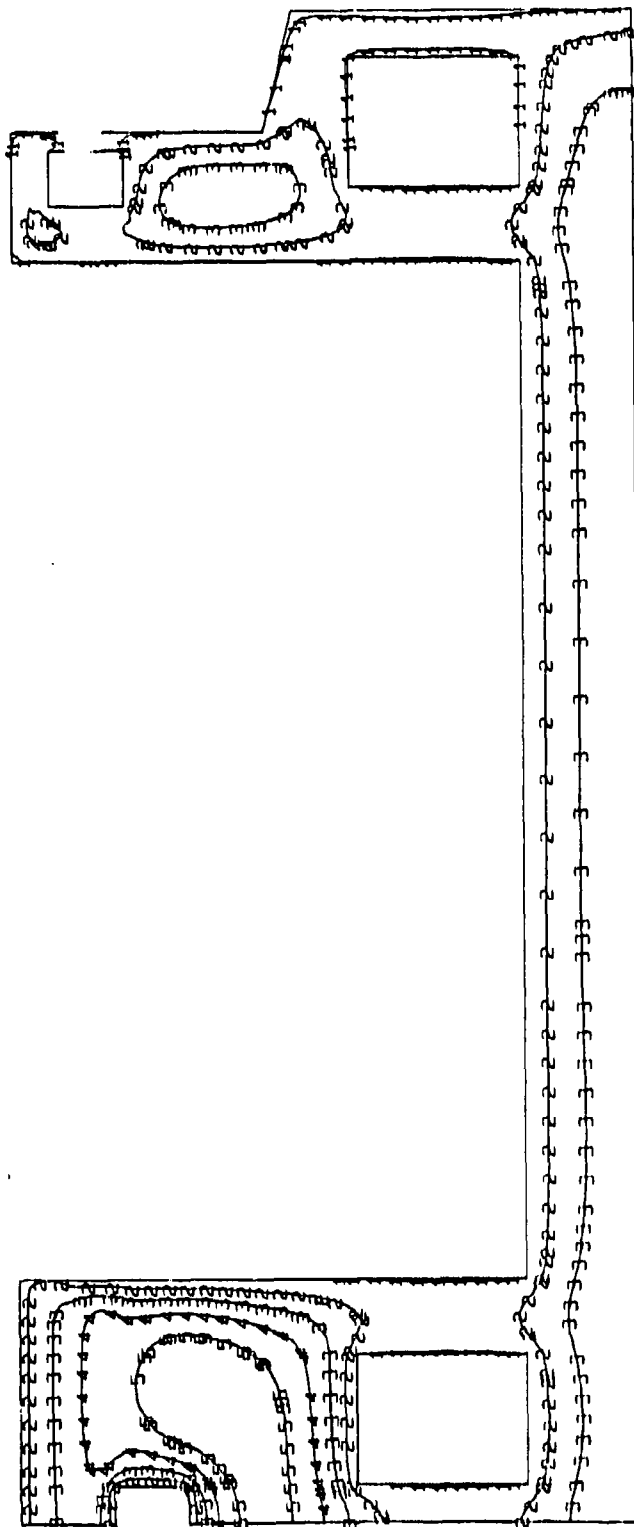
1	+5.00E+01
2	-6.60E+01
3	+7.20E+01
4	+7.60E+01
5	+8.40E+01
6	+9.00E+01



1
NIMSTER BLOCK METHOD 60 DEG PI CNT TEMP LINE 20 START 11 18

TEMP
VALUE

1 +6.00E+01
2 +6.60E+01
3 +7.20E+01
4 +7.80E+01
5 +8.40E+01
6 +9.00E+01

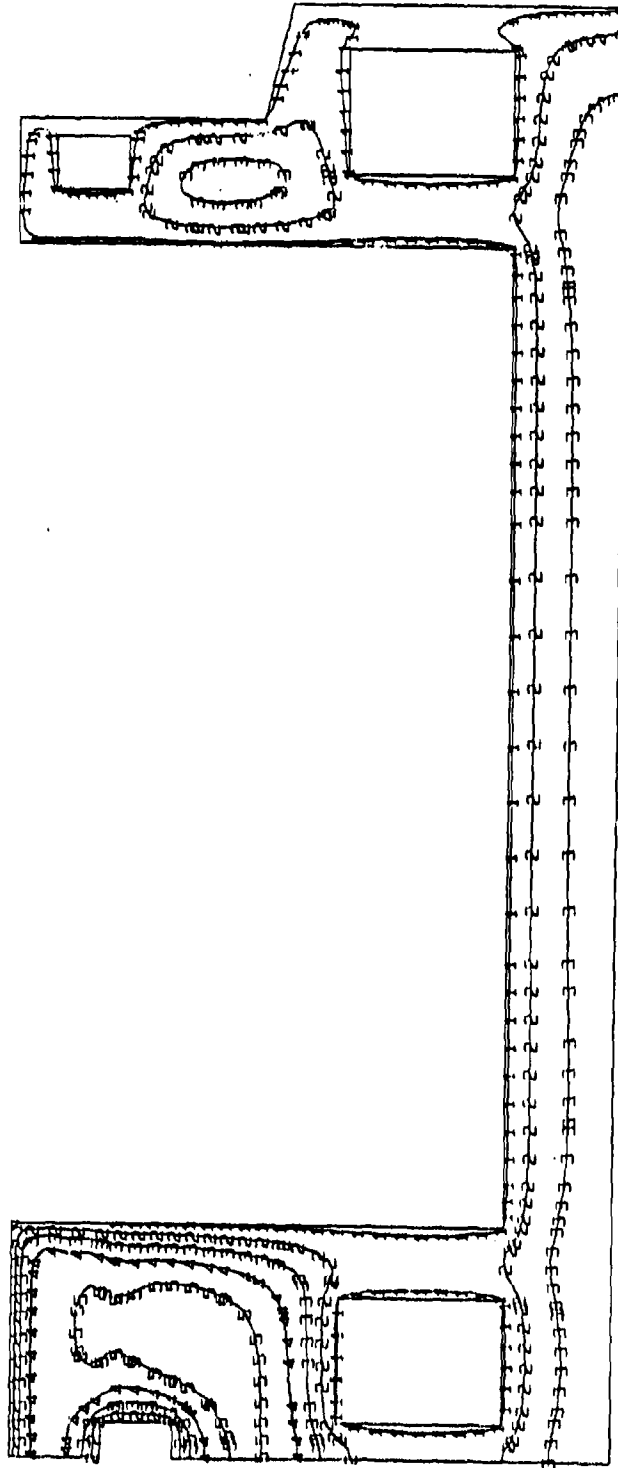


C48

1
OIMSTED, BLOCK METHOD, 60 DEG PI CMT TEMP, JUNE 20 START, 11 19

TEMP
VALUE

1	+5.00E+01
2	+6.63E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

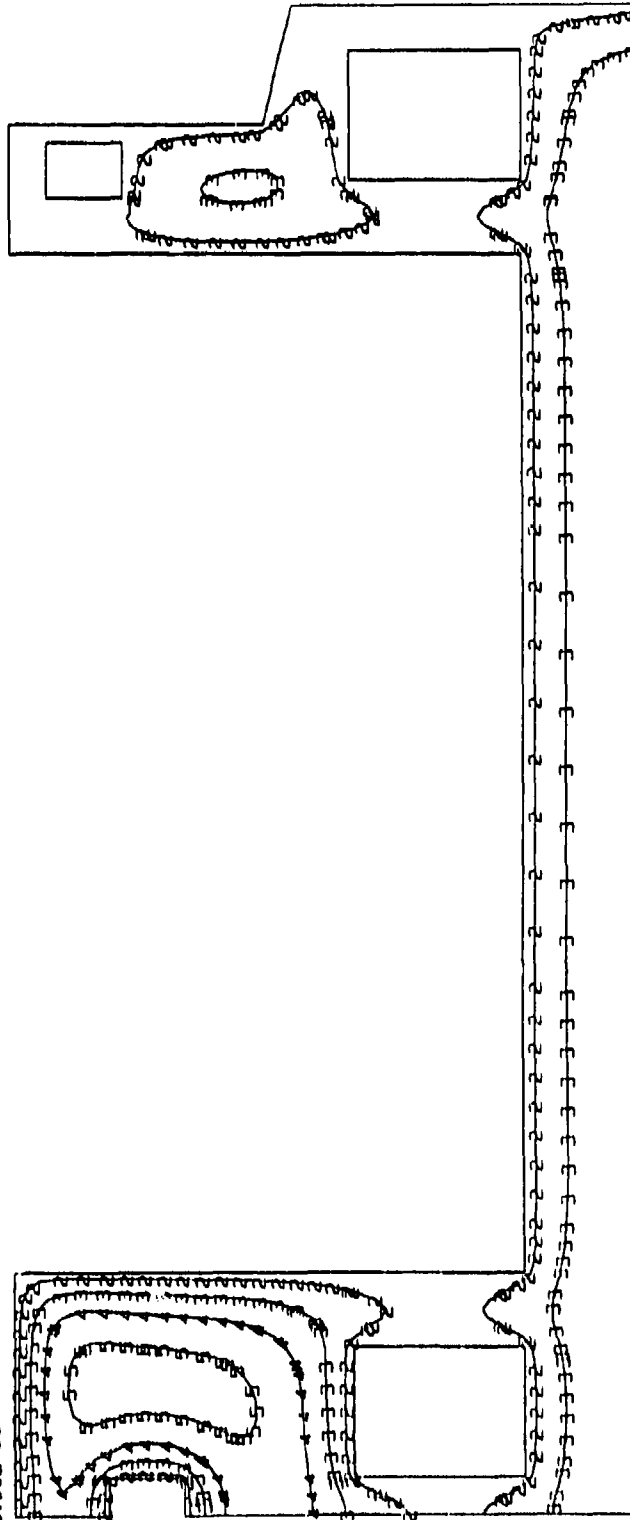


C49

1
OIMSTED. BLOCK METHOD. 60 DEG PICMT TFP .JINF 20 START. 1 1 19

TEMP
VALUE

1	+5.00E+01
2	+5.80E+01
3	+6.50E+01
4	+7.40E+01
5	+8.20E+01
6	+9.00E+01

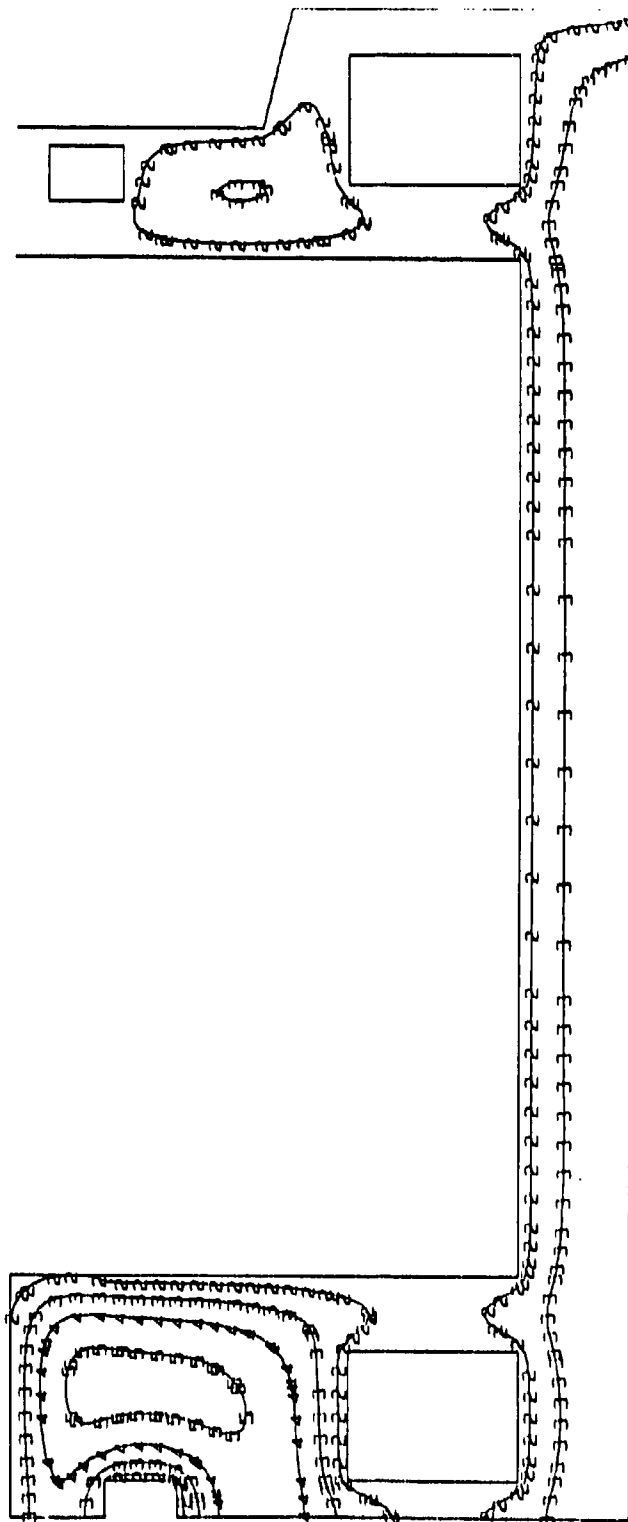


C50

1
NI MSTEN RI NCK MFTHON RN NFG DI CMT TEMD IUNE 20 START I TETS 1 19

TEMP
VALUE

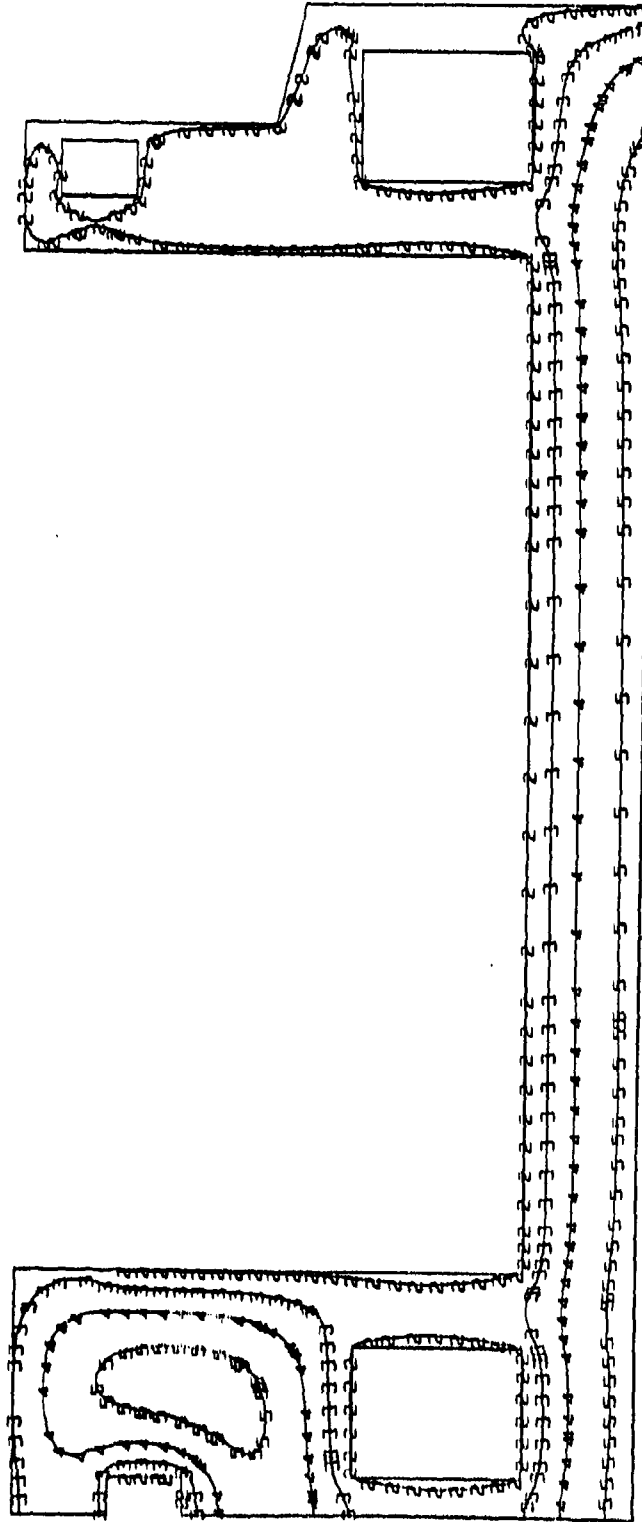
1	+5.00E+01
2	+5.80E+01
3	+6.60E+01
4	+7.40E+01
5	+8.20E+01
6	+9.00E+01



1
OLMSTED BLOCK METHOD 60 DEG PI CMT TEMP JUNE 20 START 11 19

TEMP
VALUE

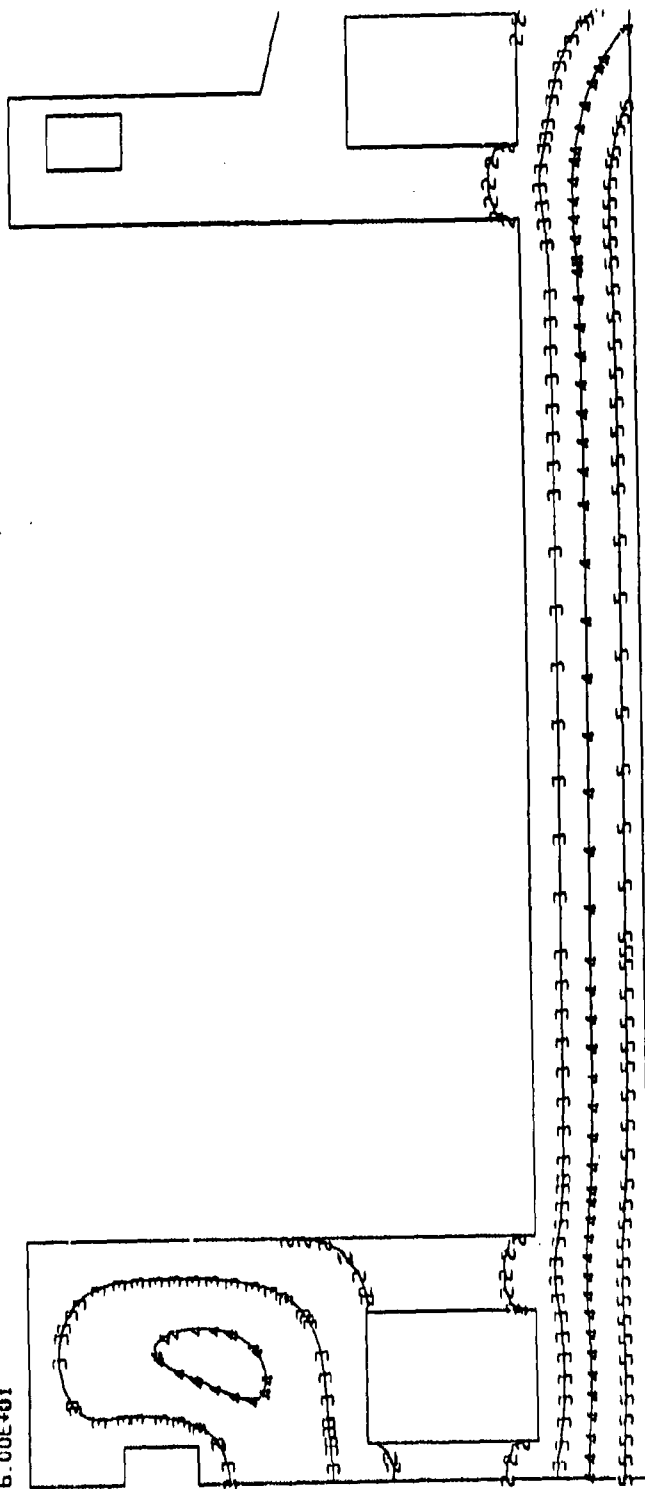
1	+3.00E+01
2	+3.80E+01
3	+4.60E+01
4	+5.40E+01
5	+6.20E+01
6	+7.00E+01



1
DIMSTED BLOCK METHOD 60 DEG PLANT TEMP .11NF 20 START 1 1 10

TEMP
VALUE

1	+3.00E+01
2	+3.60E+01
3	+4.20E+01
4	+4.80E+01
5	+5.40E+01
6	+6.00E+01



053

1
01 M5TFD. RI OCK METHOD. 60 DEG PI CMT TEMP .UINF 20 START. 1 1 19

APPENDIX D: 3-D TEMPERATURE CONTOUR PLOTS

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

3-D CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 77.5 deg. F
time = 10 days



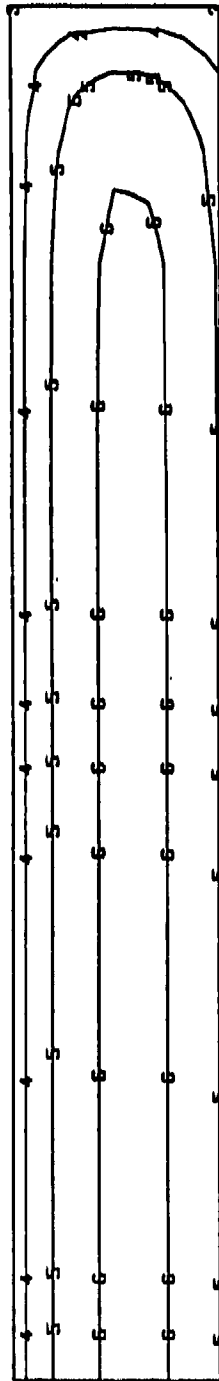
FLOOR PLACEMENT 1. COARSE GRID, JUNE 20 START, L1_2

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.00E+01 ■ STEP 4 INCREMENT 5

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

3-D CENTER PLANE IN DIRECTION OF FLOW
ambient temp = 77.5 deg. F
time = 10 days



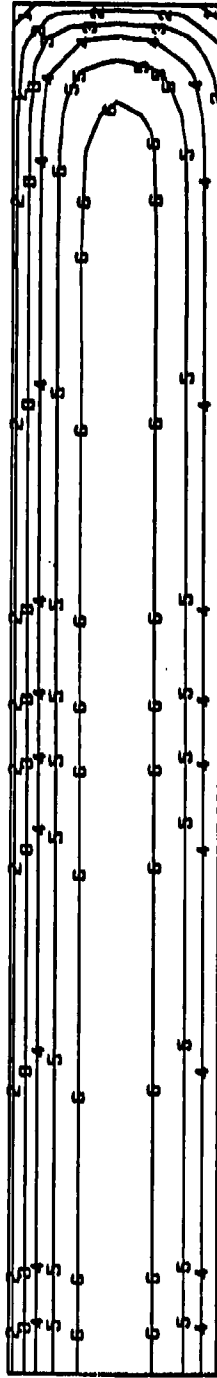
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_2

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+01 STEP 4 INCREMENT 6

TEMP
VALUE

1 +7.50E+01
2 +8.10E+01
3 +8.30E+01
4 +8.50E+01
5 +8.70E+01
6 +8.90E+01

3-D PLANE AT FLOOR JOINT
ambient temp = 77.5 deg. F
time = 10 days



FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_2
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+01 STEP 4 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

3-D CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 78.2 deg. F
time = 15 days



D6

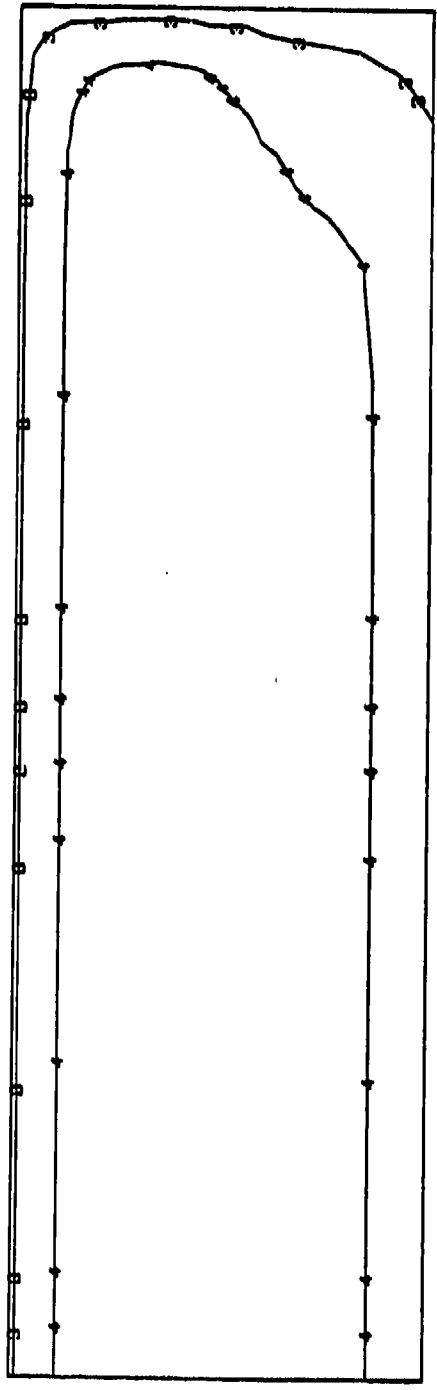
¹
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_3

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.500E+01 9 STEP 6 INCREMENT 5

TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

3-D CENTER PLANE IN DIRECTION OF FLOW
ambient temp = 78.2 deg. F
time = 15 days

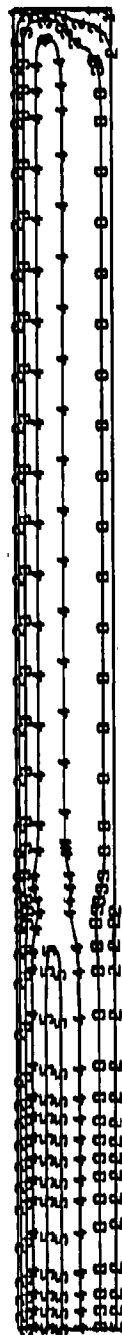


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_3
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.500E+01 STEP 5 INCREMENT 5

TEMP
VALUE

1	+8.00E+01
2	+8.40E+01
3	+8.80E+01
4	+9.20E+01
5	+9.60E+01
6	+1.00E+02

3-D CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 79 deg. F
time = 20 days

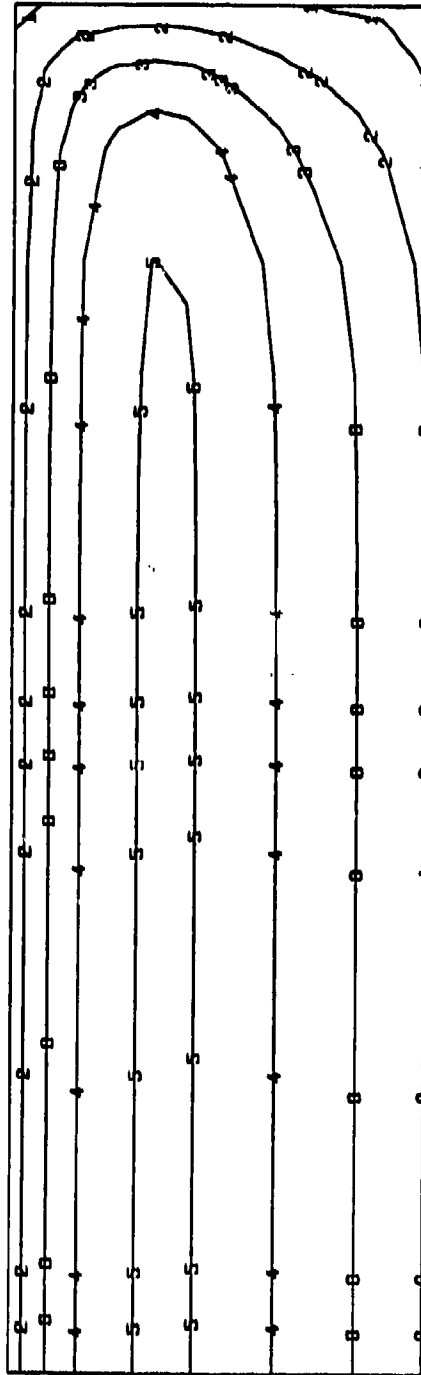


¹
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +2.000E+01 STEP 8 INCREMENT 5

TEMP
VALUE

1 +8.00E+01
2 +8.40E+01
3 +8.80E+01
4 +9.20E+01
5 +9.60E+01
6 +1.00E+02

3-D CENTER PLANE IN DIRECTION OF FLOW
ambient temp = 79 deg. F
time = 20 days



FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +2.000E+01 STEP 8 INCREMENT 6

+8.00E+01
+8.40E+01
+8.80E+01
+9.20E+01
+9.60E+01
+1.00E+02

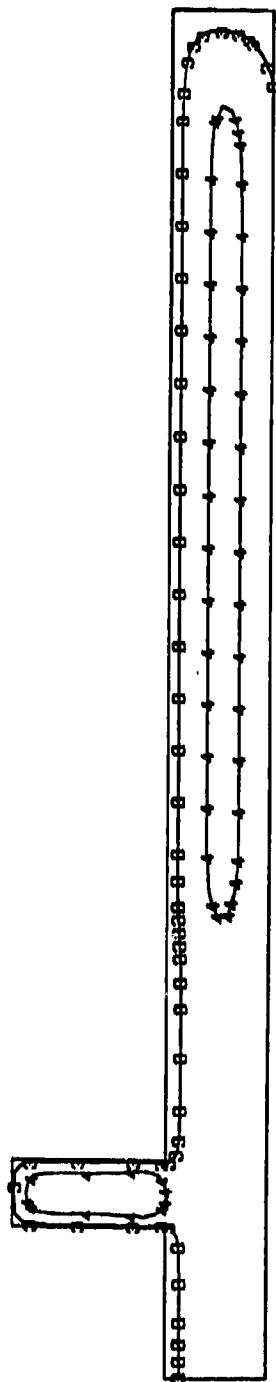
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4

TIME COMPLETED IN THIS STEP	+3.000E+00	TOTAL ACCUMULATED TIME	+2.000E+01	STEP 8 INCREMENT 6

TEMP
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

3-D CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 78 deg. F
time = 45 days



D11

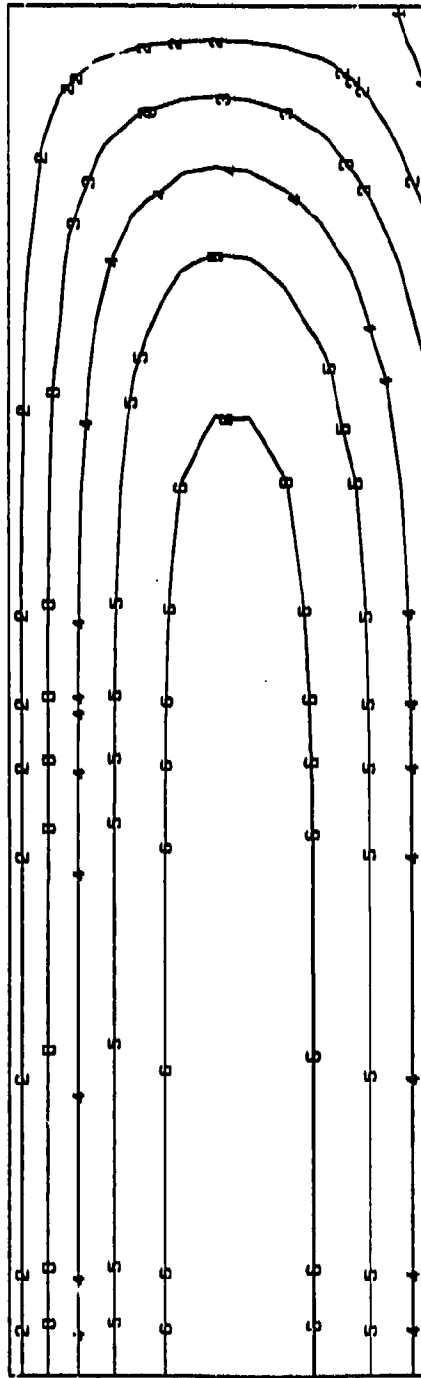
1
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_7

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 11 INCREMENT 6

TEMP
VALUE

- 1 +7.80E+01
- 2 +7.96E+01
- 3 +8.12E+01
- 4 +8.28E+01
- 5 +8.44E+01
- 6 +8.60E+01

3-D CENTER PLANE IN DIRECTION OF FLOW
ambient temp = 78 deg. F
time = 45 days

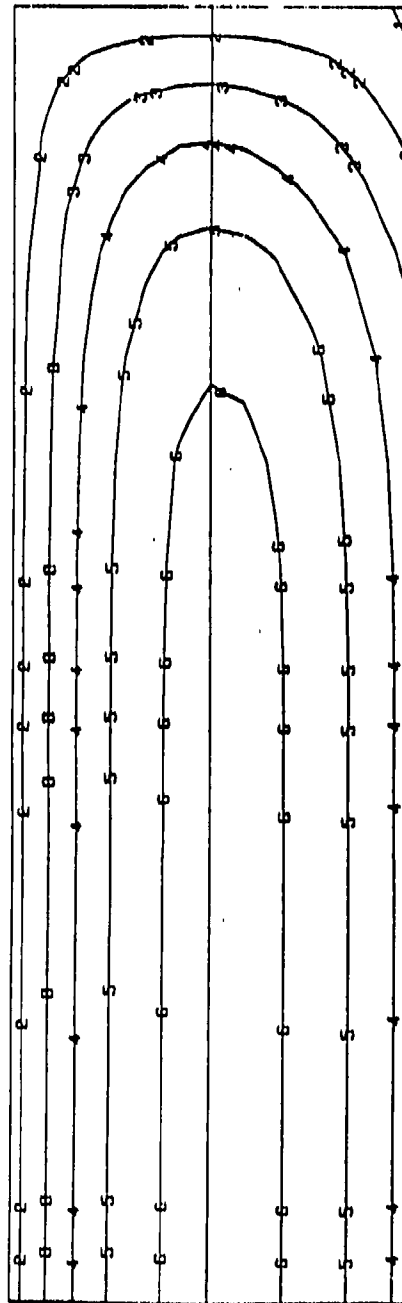


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L17

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.600E+01 STEP 11 INCREMENT 6

1 +7.60E+01
 2 +8.00E+01
 3 +8.20E+01
 4 +8.40E+01
 5 +8.60E+01
 6 +8.80E+01

3-D ANALYSIS, PLANE AT FLOOR JOINT
 ambient temp = 78 deg. F
 time = 45 days



D13

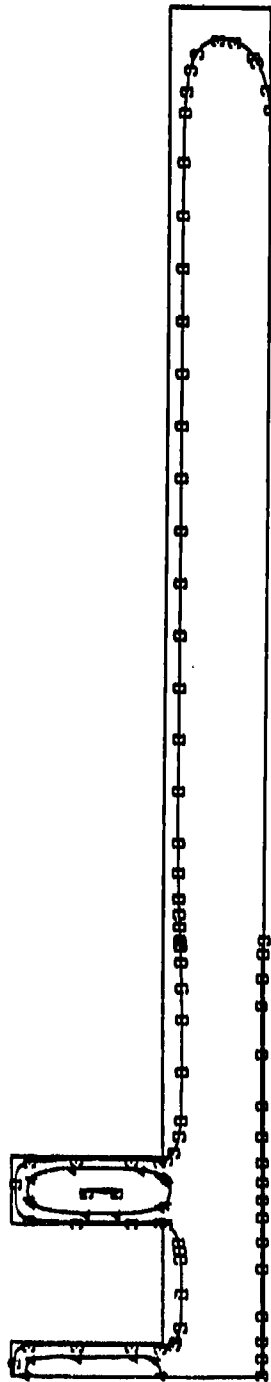
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1.7

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 11 INCREMENT 5

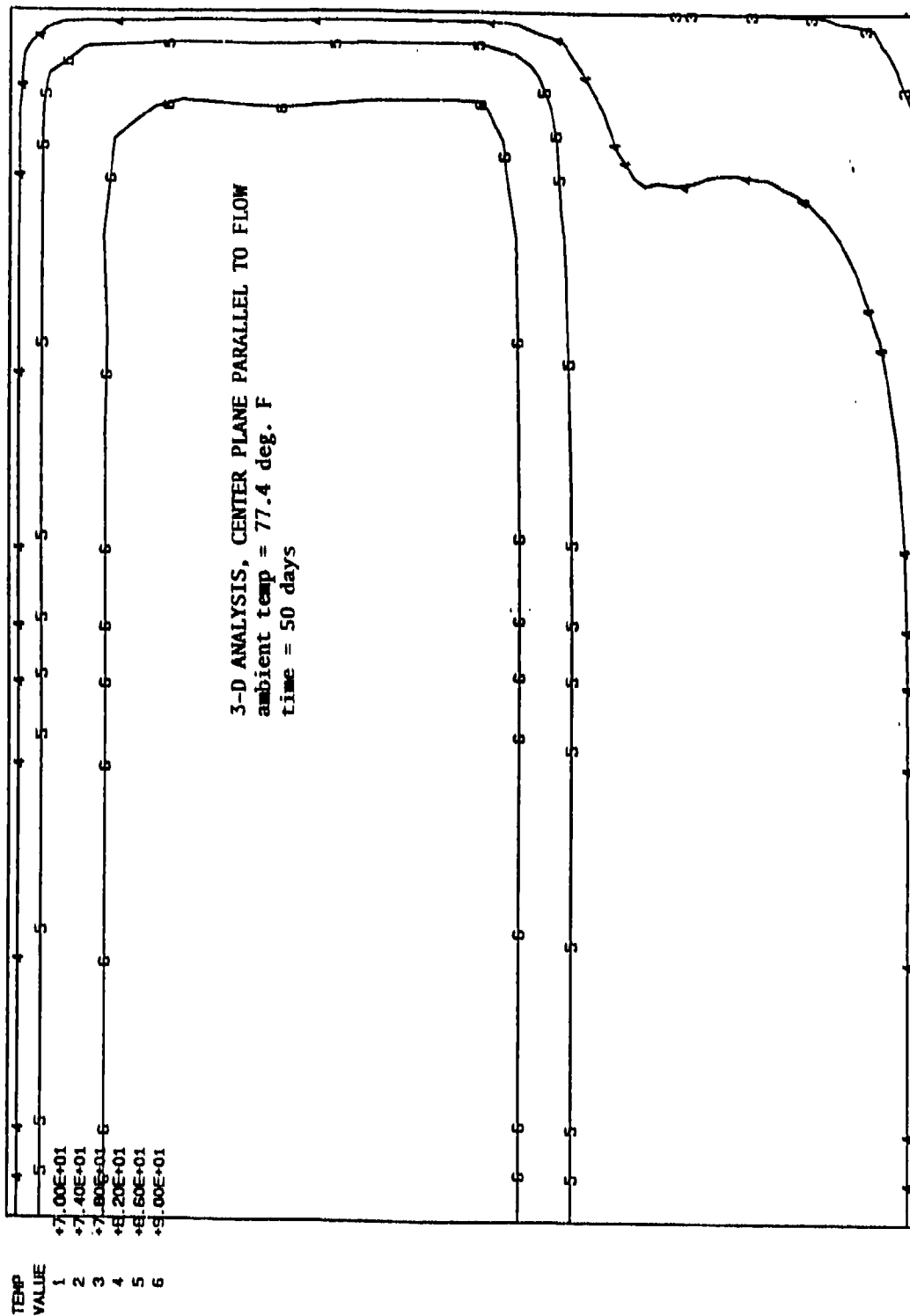
TEMP
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 77.4 deg. F
time = 50 days



¹
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+01 ■ STEP 13 INCREMENT 6

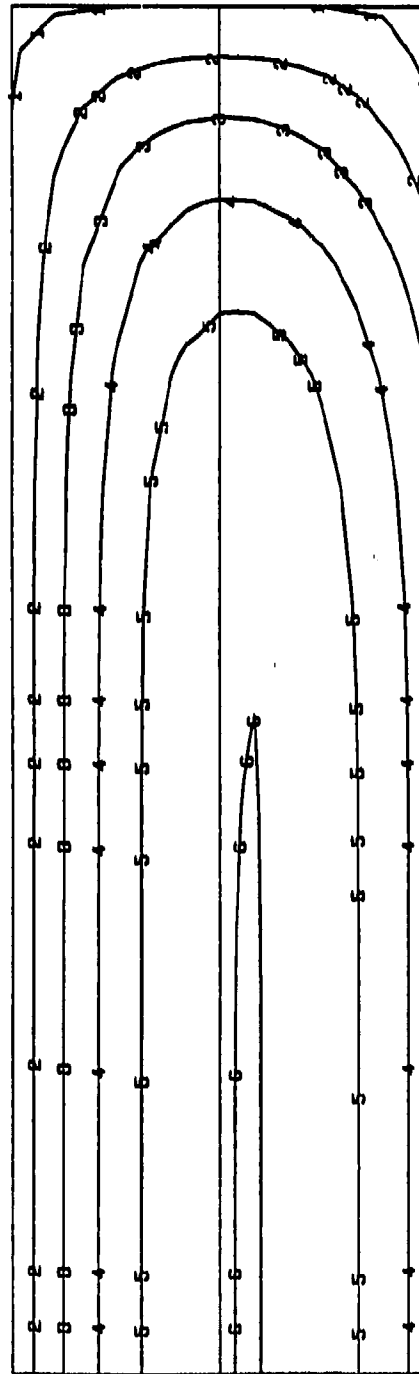


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+01 STEP 13 INCREMENT 6

TEMP
VALUE
1 +7.80E+01
2 +7.98E+01
3 +8.16E+01
4 +8.34E+01
5 +8.52E+01
6 +8.70E+01

3-D ANALYSIS, PLANE AT FLOOR JOINT
ambient temp = 77.4 deg. F
time = 50 days

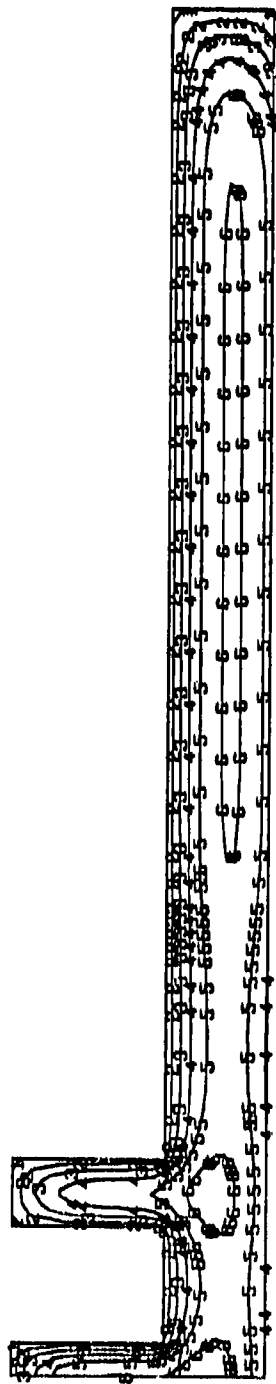


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+01 8 STEP 13 INCREMENT 6

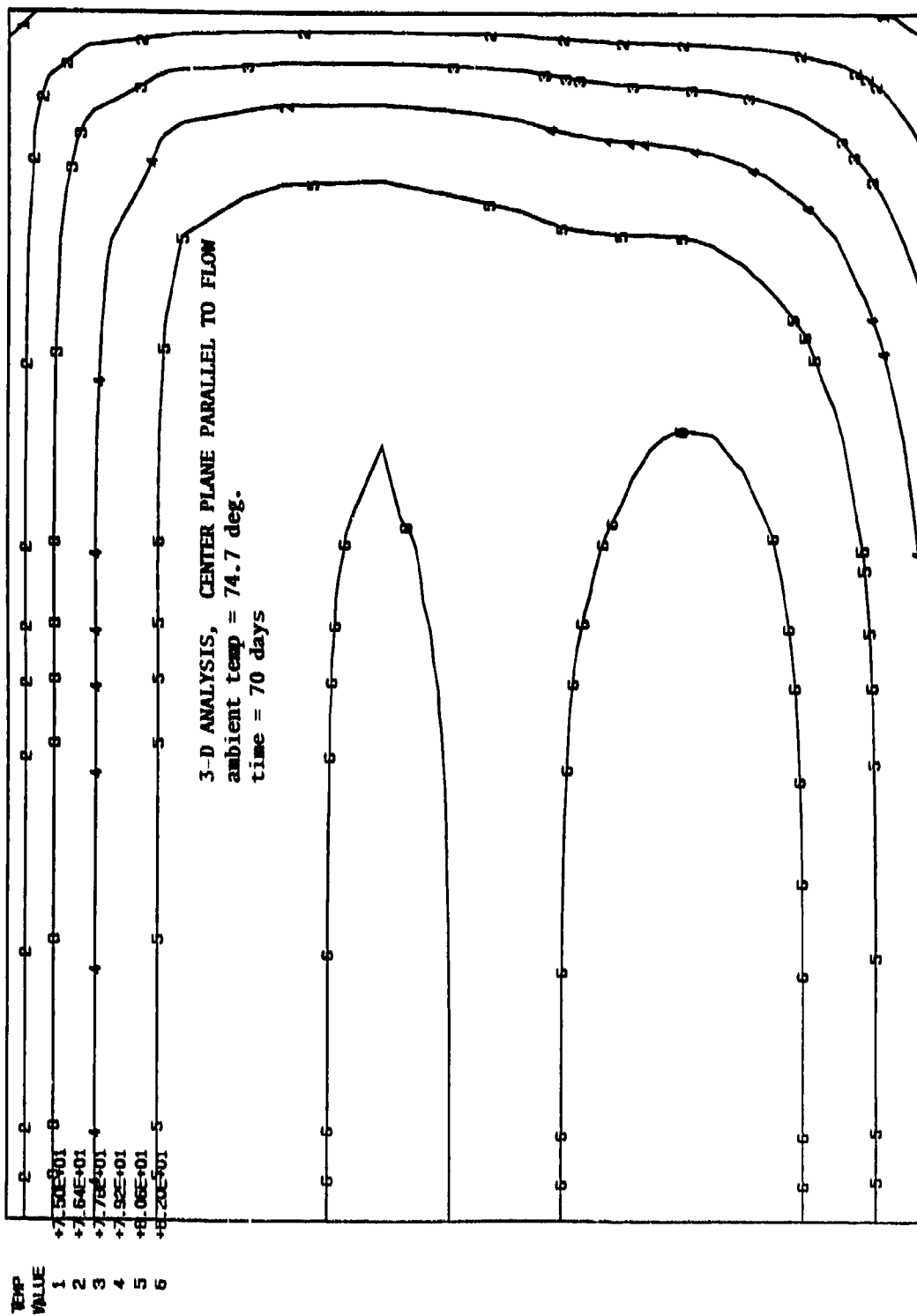
TEMP
VALUE

1	+7.50E+01
2	+7.64E+01
3	+7.78E+01
4	+7.92E+01
5	+8.06E+01
6	+8.20E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 74.7 deg. F
time = 70 days



1
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 14 INCREMENT 20



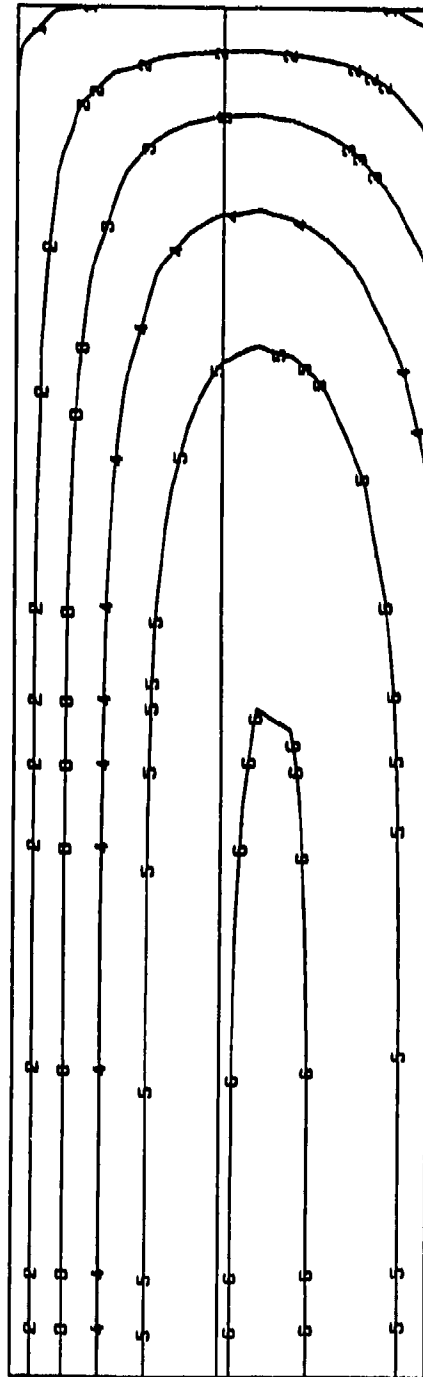
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP	+2.000E+01	TOTAL ACCUMULATED TIME	+7.000E+01	STEP 14 INCREMENT	20

TEMP
VALUE

1 +7.50E+01
2 +7.64E+01
3 +7.78E+01
4 +7.92E+01
5 +8.06E+01
6 +8.20E+01

3-D ANALYSIS, PLANE AT FLOOR JOINT
ambient temp = 74.7 deg. F
time = 70 days

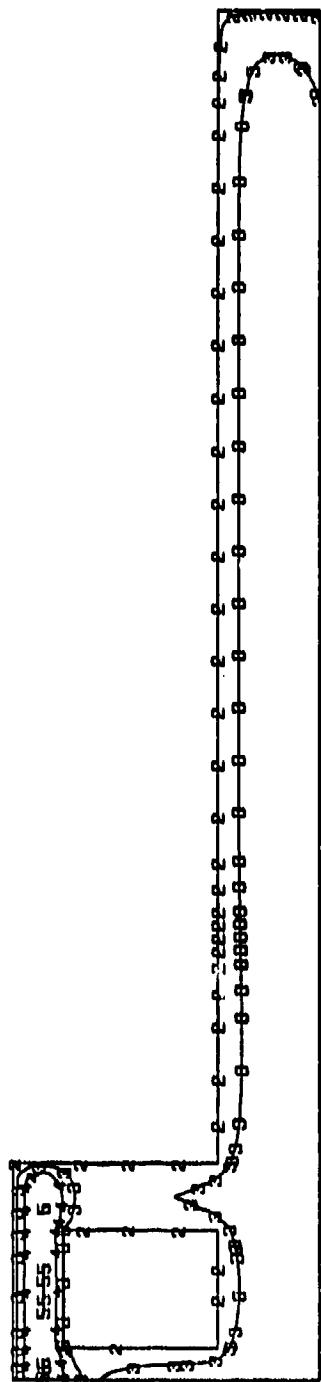


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

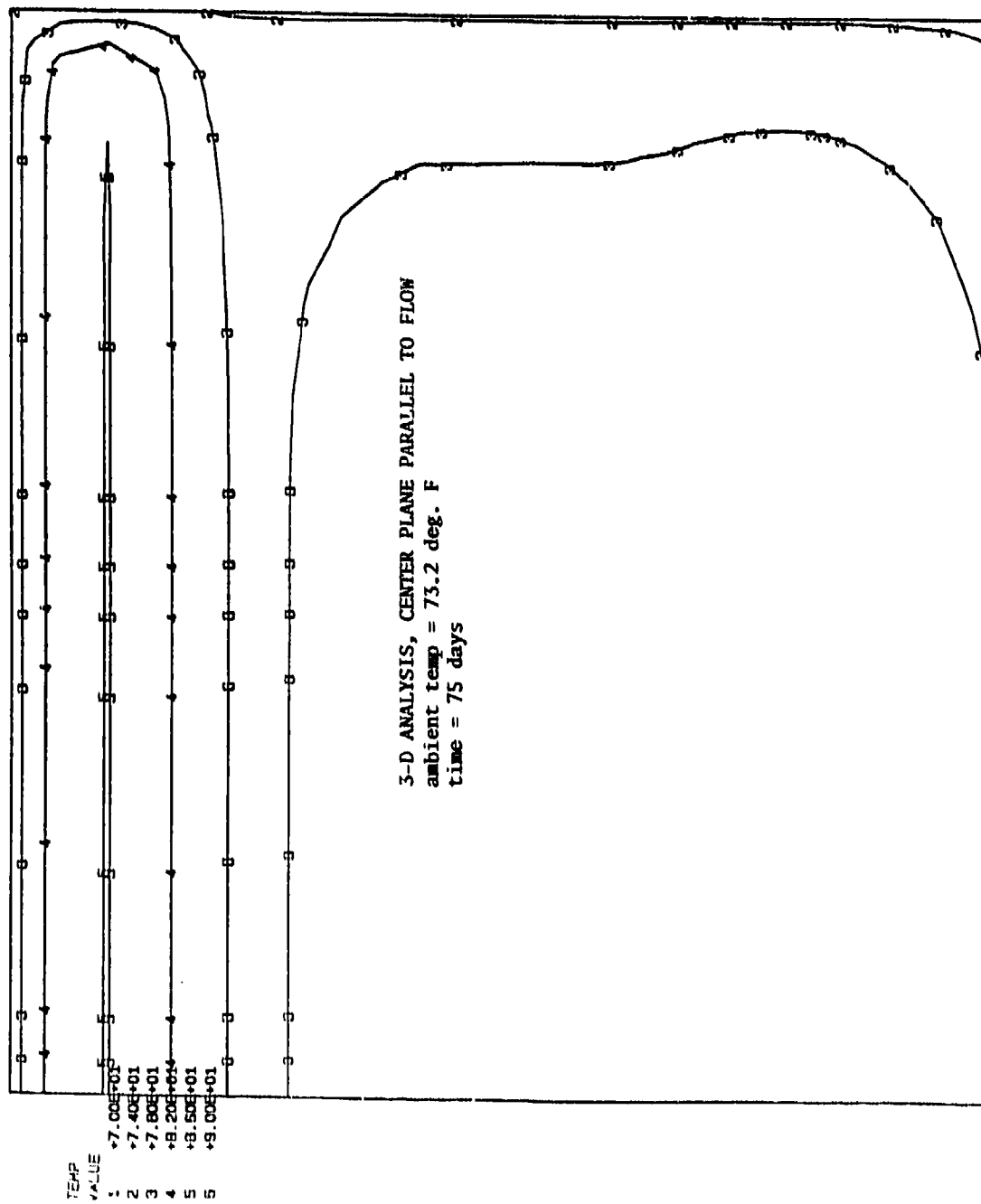
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 14 INCREMENT 20

TEMP	
VALUE	
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+5.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
 ambient temp = 73.2 deg. F
 time = 75 days



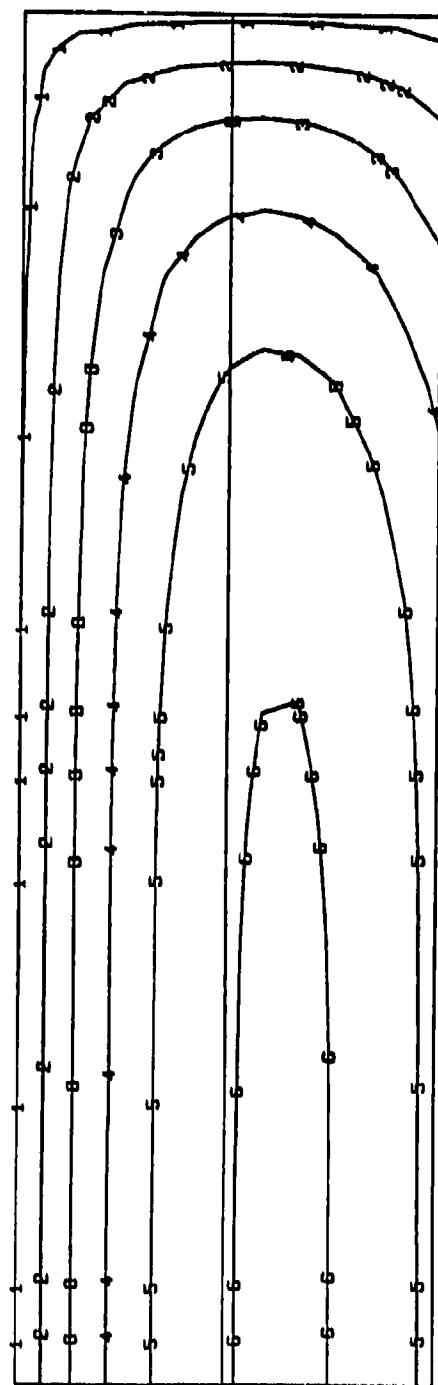
¹FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
 TIME COMPLETED IN THIS STEP +5.00E-01 TOTAL ACCUMULATED TIME +7.500E+01 STEP 17 INCREMENT 1



FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
 TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.500E-01 STEP 17 INCREMENT 1

TEMP
VALUE
1 +7.40E+01
2 +7.54E+01
3 +7.68E+01
4 +7.82E+01
5 +7.96E+01
6 +8.10E+01

3-D ANALYSIS, PLANE AT FLOOR JOINT
ambient temp = 73.2 deg. F
time = 75 days

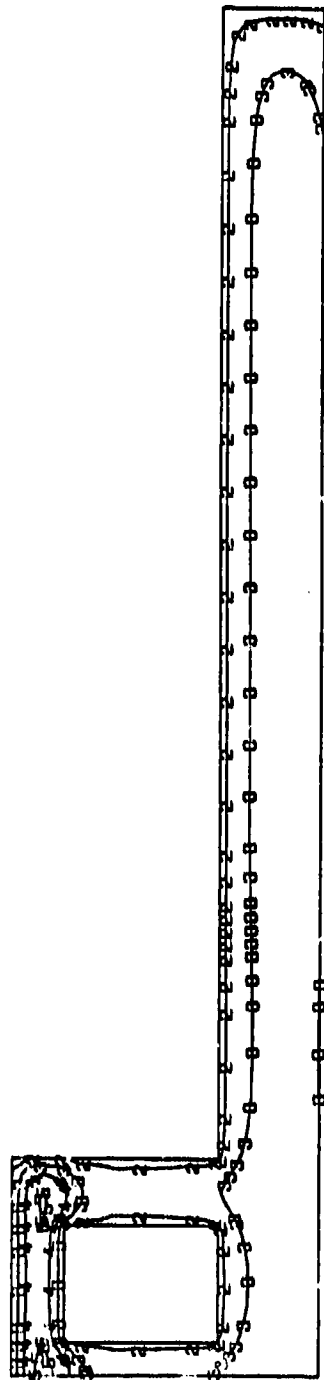


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.500E+01 STEP 17 INCREMENT 1

TEMP
VALUE

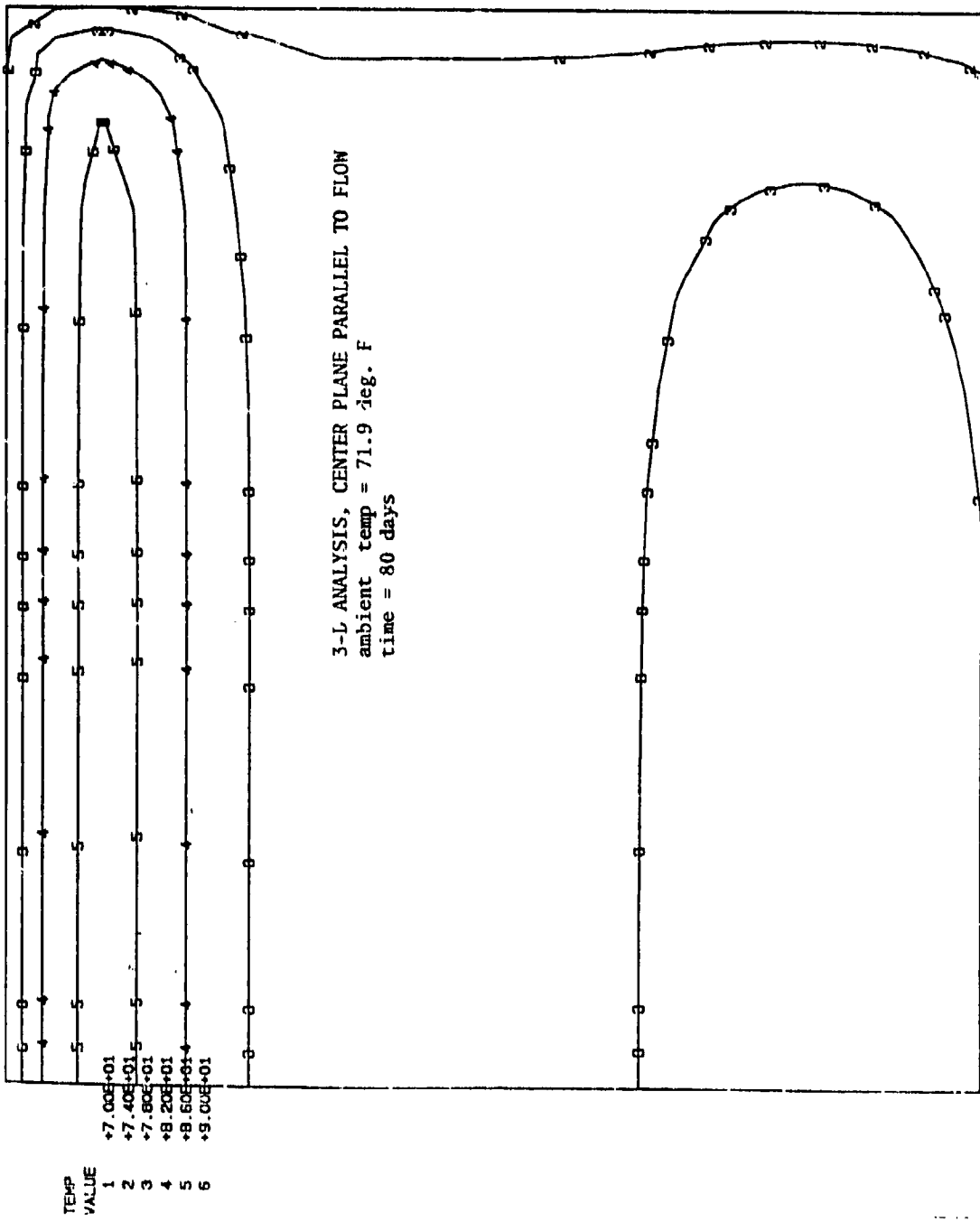
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 71.9 deg. F
time = 80 days



D23

¹
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 18 INCREMENT 5

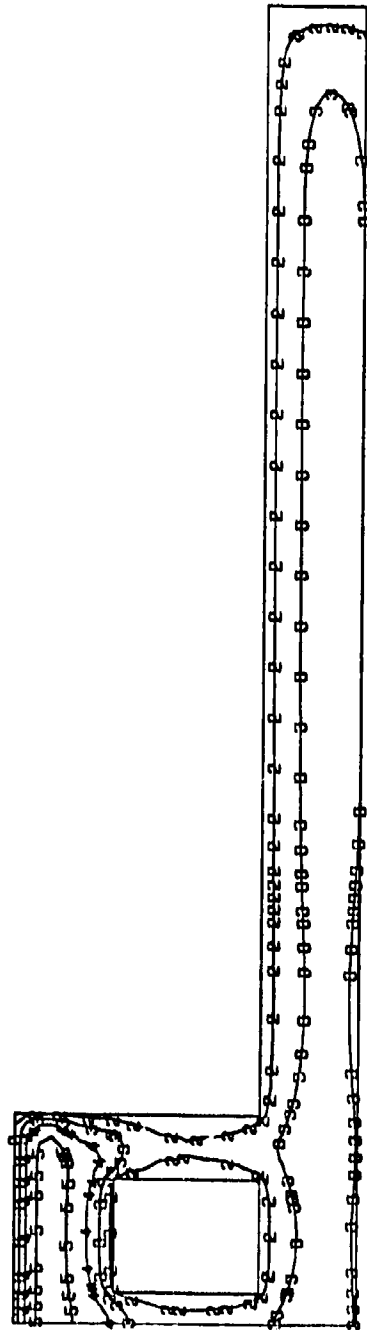


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 18 INCREMENT 5

TEMP	
VALUE	
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

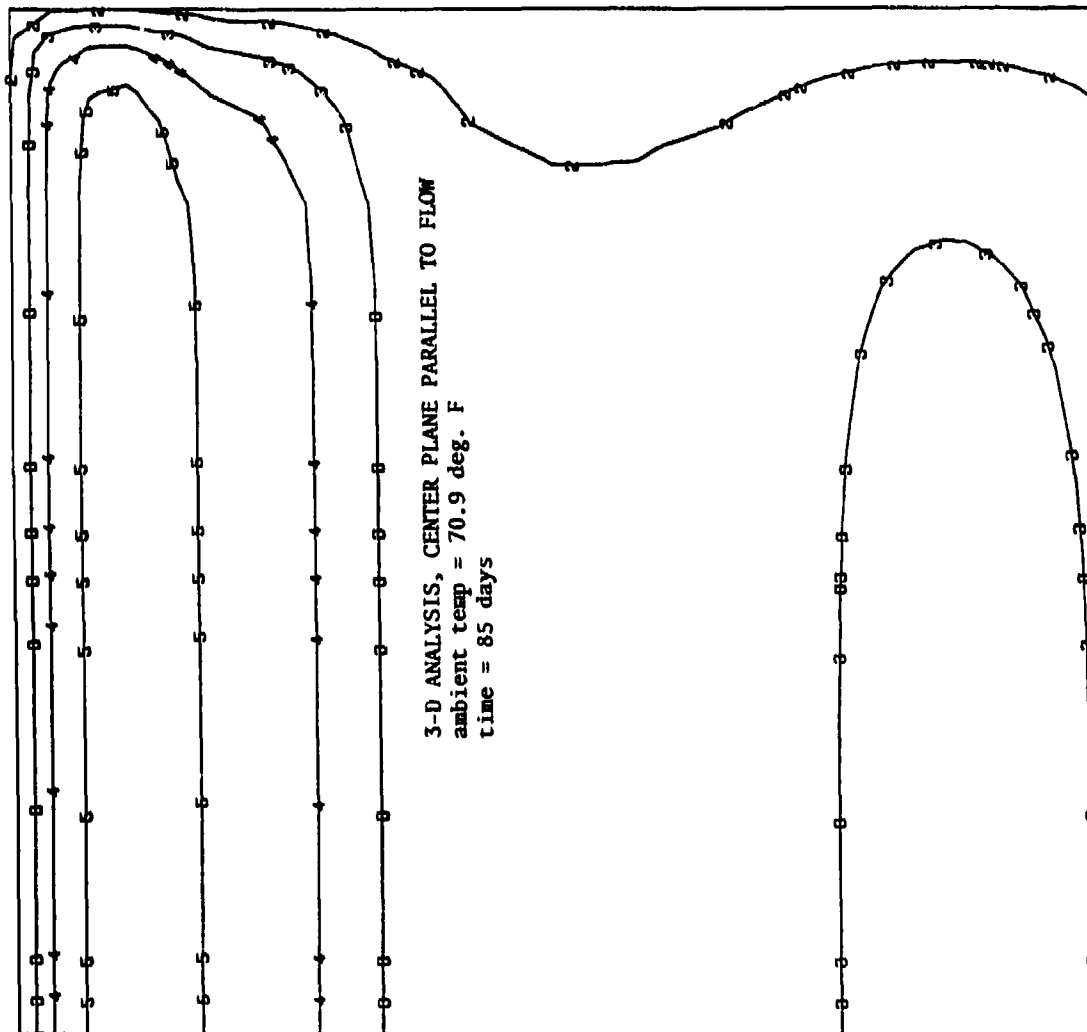
3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
 ambient temp = 70.9 deg. F
 time = 95 days



¹
 FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.500E+01 STEP 20 INCREMENT 6

TEMP
VALUE
1 +7.00E+01
2 +7.40E+01
3 +7.80E+01
4 +8.20E+01
5 +8.60E+01
6 +9.00E+01



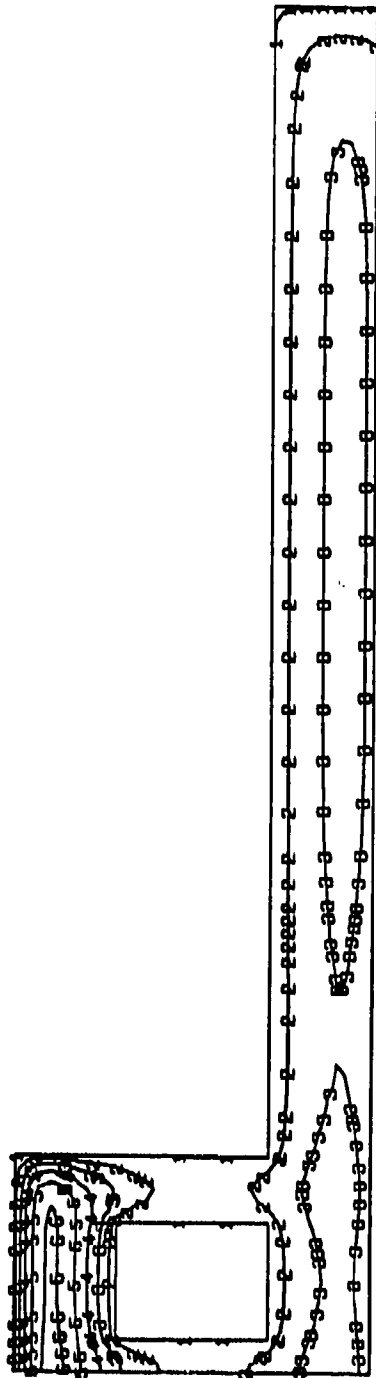
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.500E+01 STEP 20 INCREMENT 5

TEMP
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 69.3 deg. F
time = 90 days

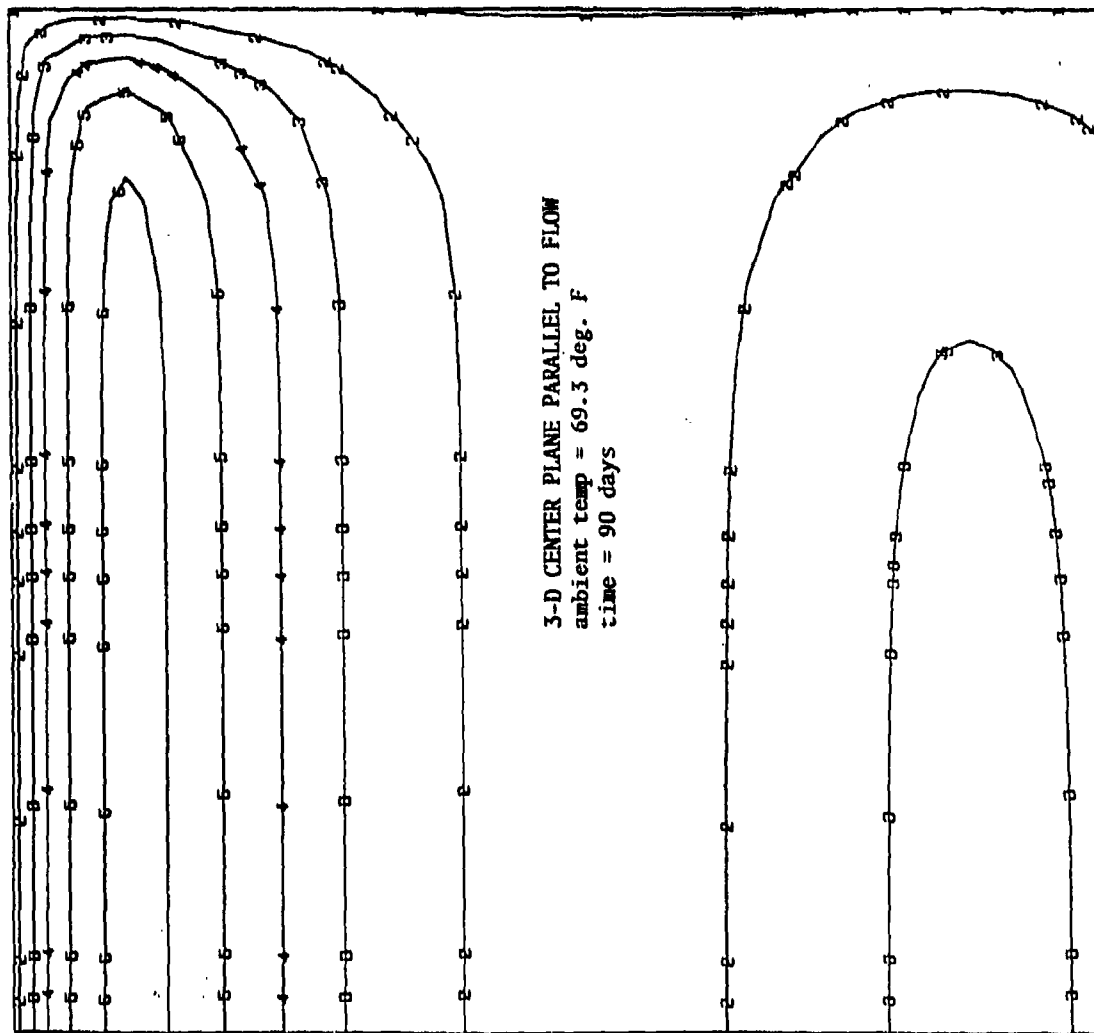


1

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 STEP 21 INCREMENT 5

TEMP		
VALUE	1	+7.00E+01
	2	+7.40E+01
	3	+7.80E+01
	4	+8.20E+01
	5	+8.60E+01
	6	+9.00E+01



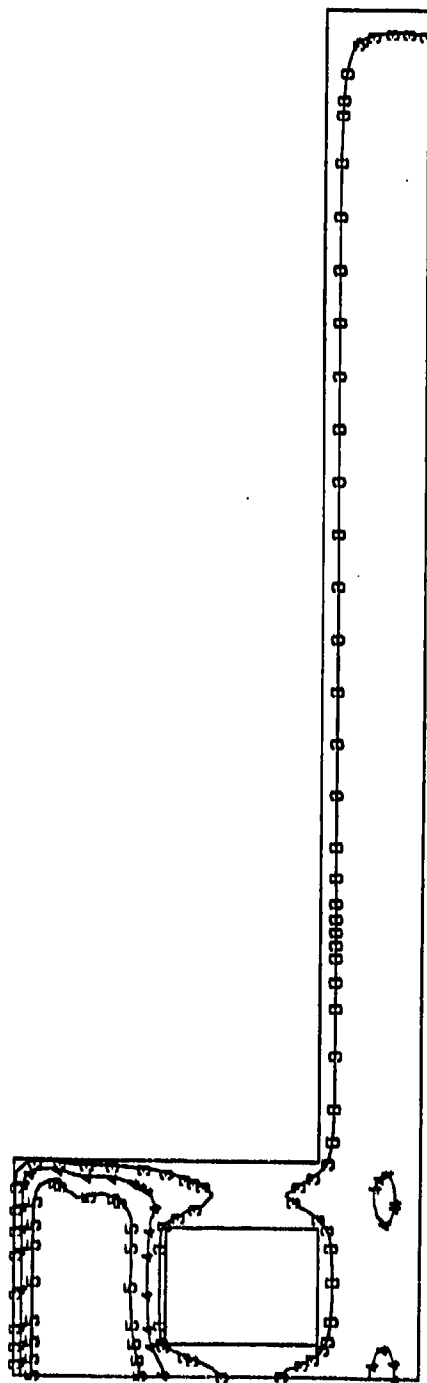
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP	+5.000E+00	TOTAL ACCUMULATED TIME	+9.000E+01	STEP 21 INCREMENT	6

TEMP
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 67 deg.F
time = 95 days

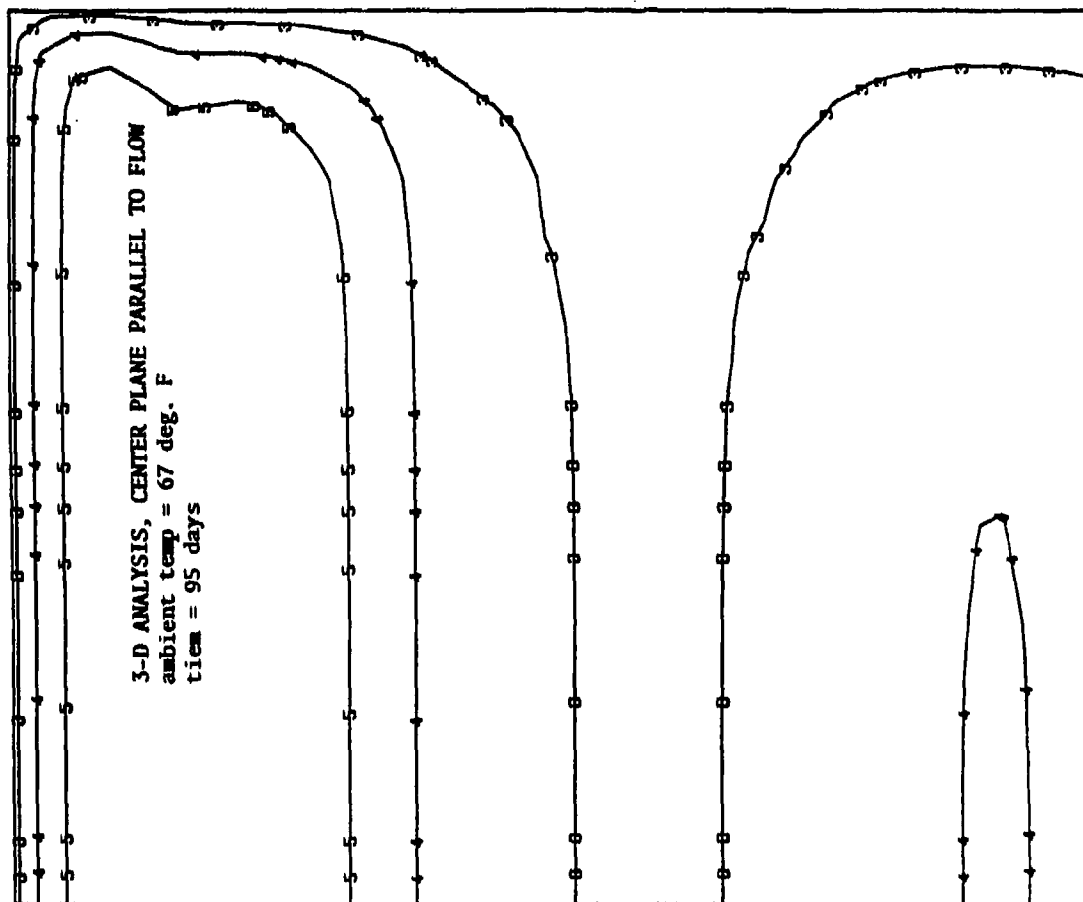


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+01 STEP 23 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

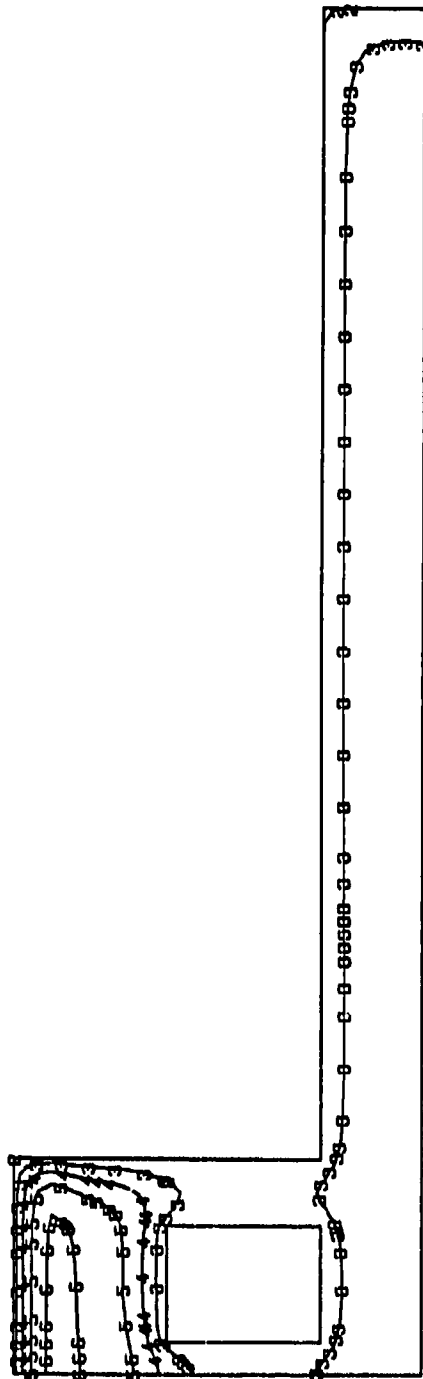


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.600E+01 # STEP 23 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
 ambient temp = 65.4 deg. F
 time = 100 days



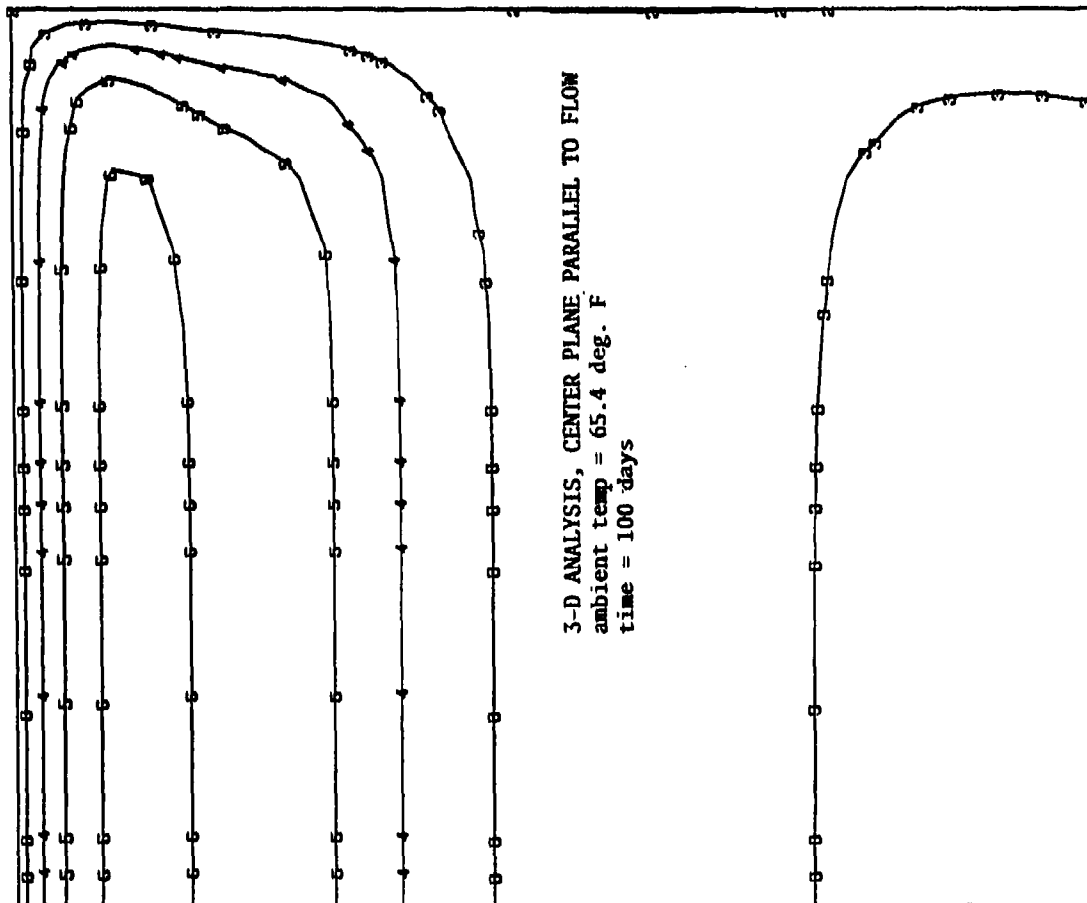
D31

¹FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 24 INCREMENT 5

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



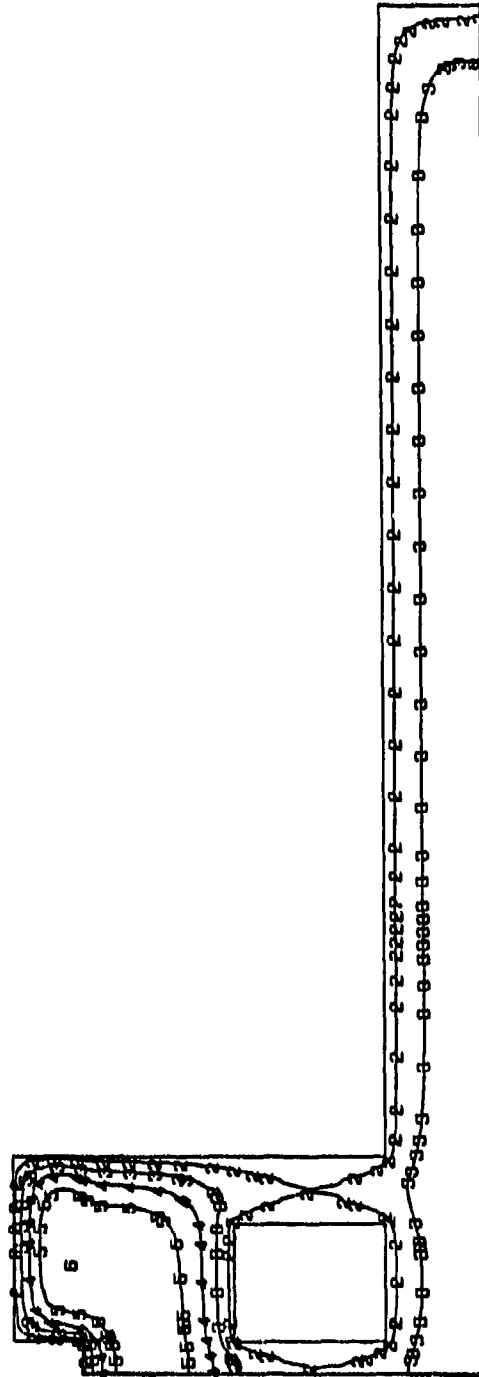
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 24 INCREMENT 5

TEMP
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

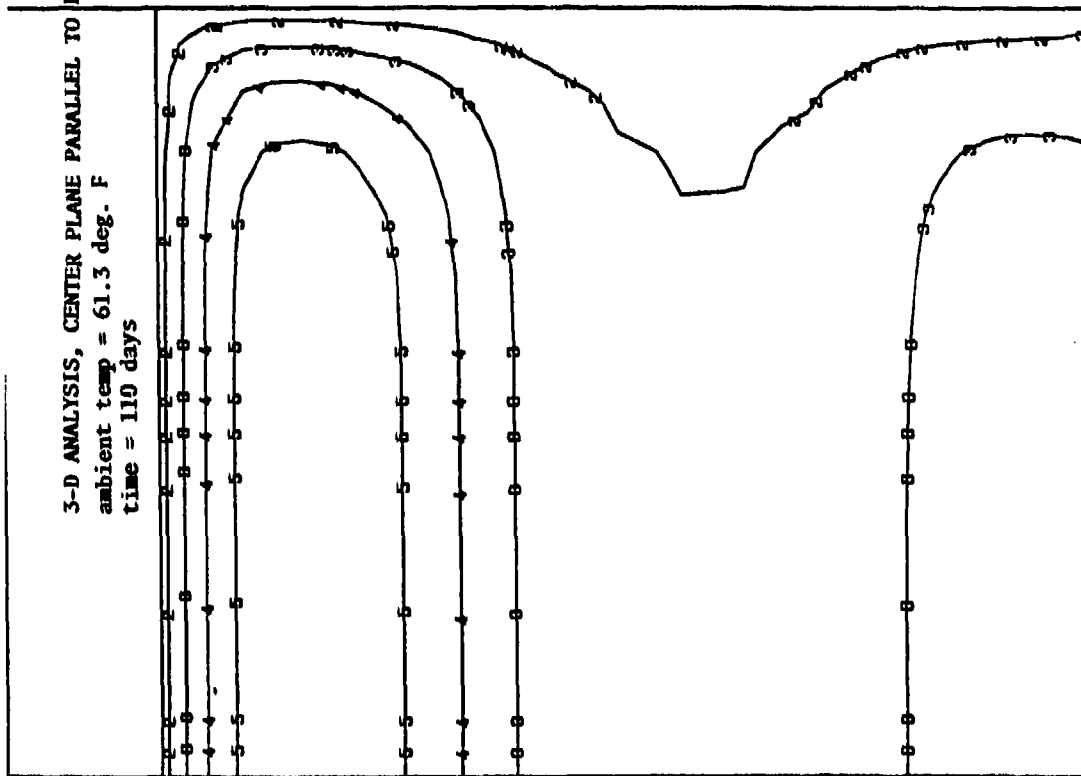
3-D CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 61.3 deg. F
time = 110 days



FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L116

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +1.100E+02 STEP 27 INCREMENT 5

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW
 ambient temp = 61.3 deg. F
 time = 110 days



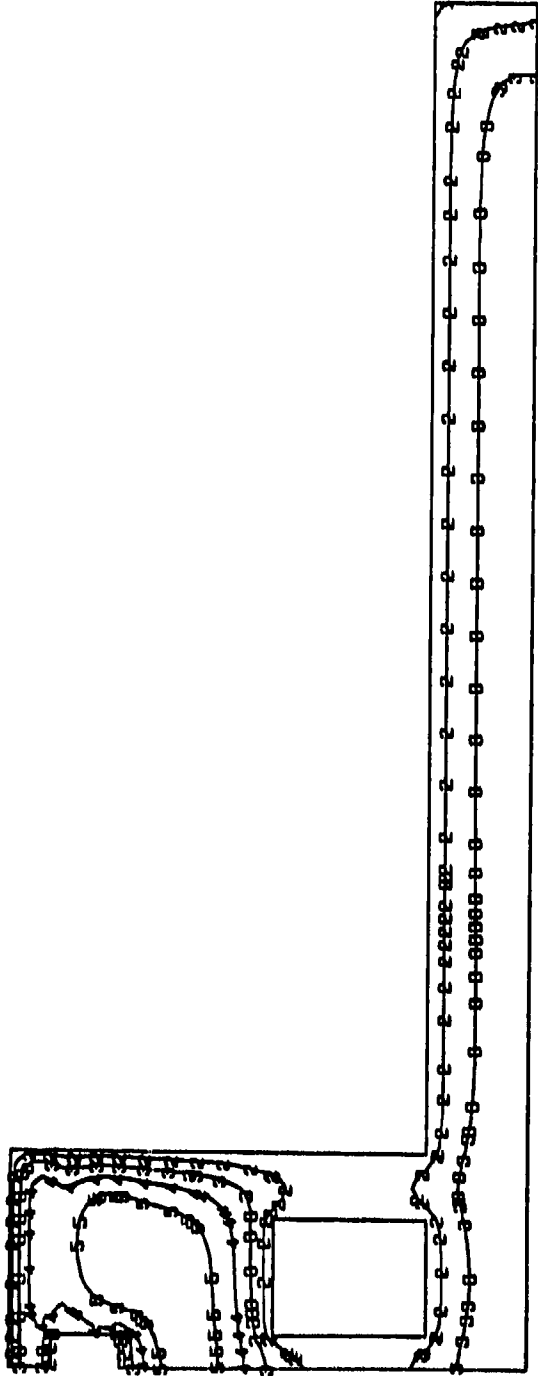
TEMP VALUE	
1	+6.00E+01
2	+6.50E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L116
 TIME COMPLETED IN THIS STEP +6.000E+00 TOTAL ACCUMULATED TIME +1.100E+02 STEP 27 INCREMENT 6

TEMP
VALUE

1	+6.00E+01
2	+6.50E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

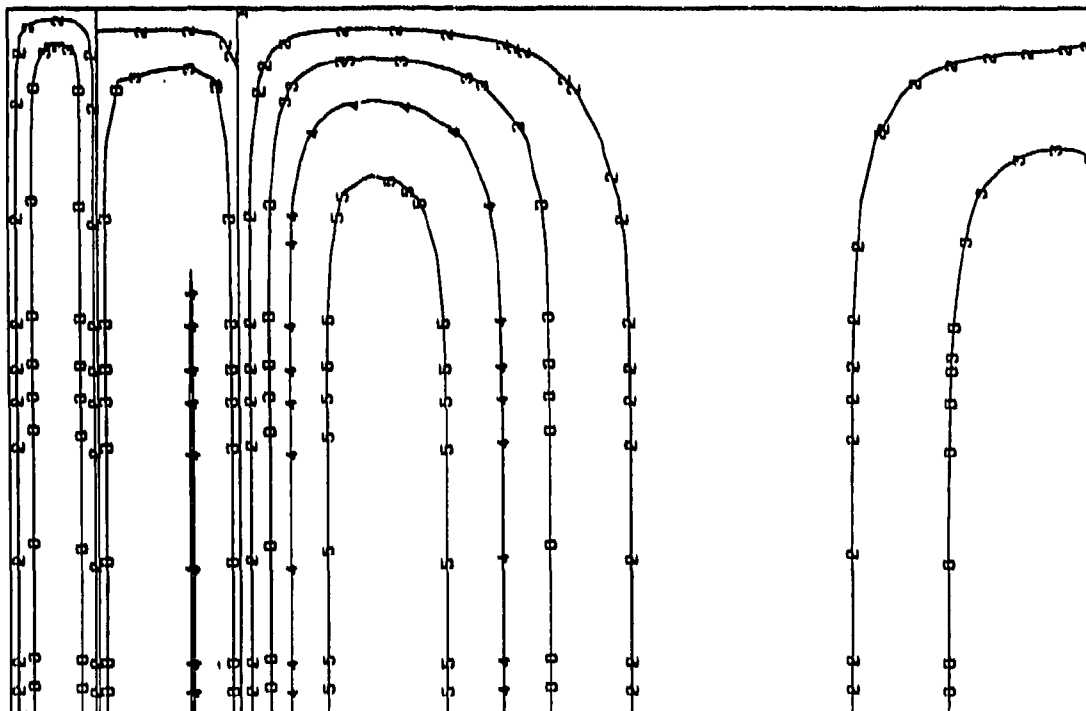
3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 59.6 deg. F
time = 115 days



FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L118

TIME COMPLETED IN THIS STEP +5.00E-01 TOTAL ACCUMULATED TIME +1.150E+02 # STEP 30 INCREMENT 1

TEMP
VALUE
1 +6.00E+01
2 +6.50E+01
3 +7.20E+01
4 +7.80E+01
5 +8.40E+01
6 +9.00E+01



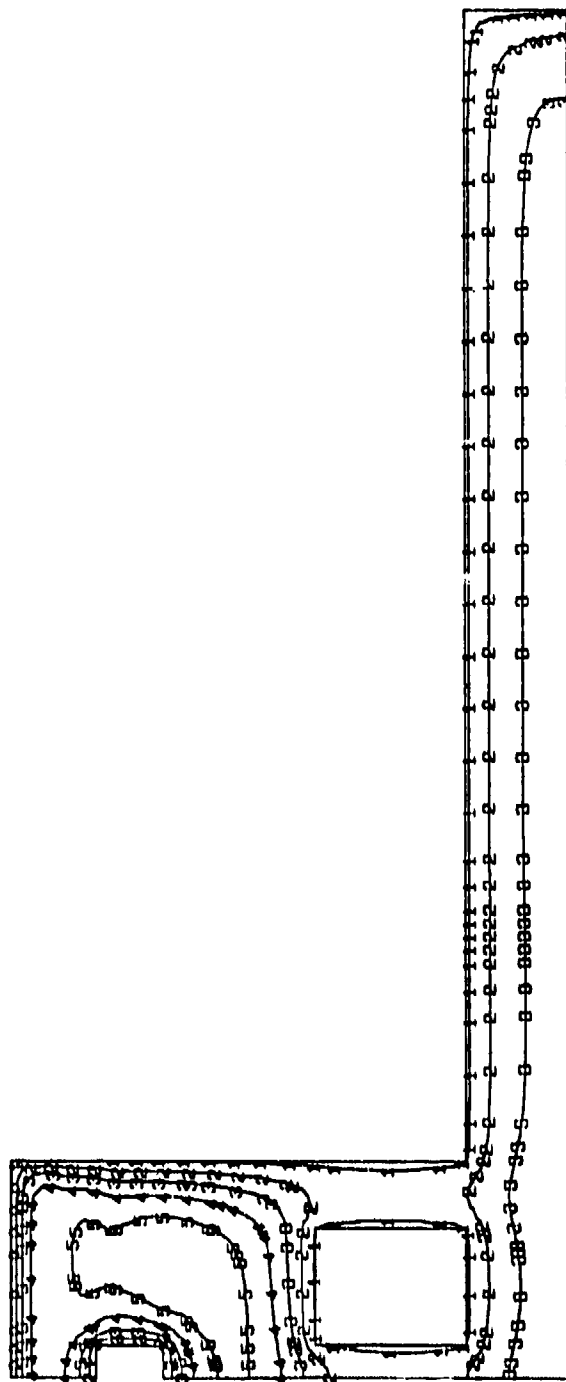
3-D ANALYSIS, CENTER PLANE
PARALLEL TO FLOW
ambient temp = 59.6 deg.F
t_{iem} = 115 days

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L118
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 STEP 30 INCREMENT 1

TEMP
VALUE

1 +6.00E+01
2 +6.60E+01
3 +7.20E+01
4 +7.80E+01
5 +8.40E+01
6 +9.00E+01

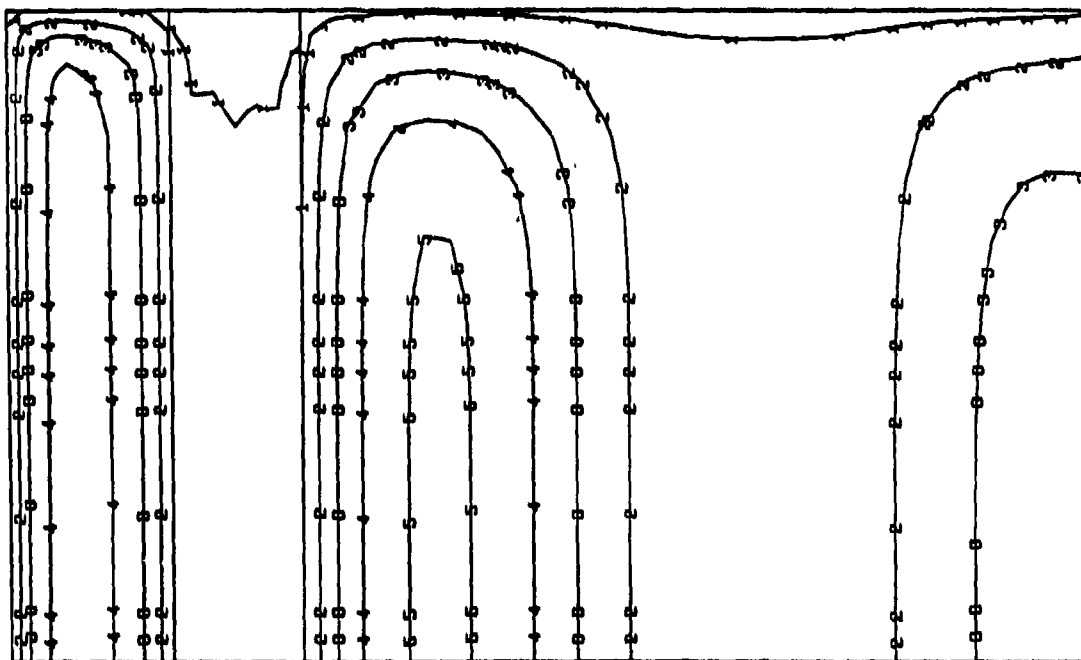
3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 58 deg. F
time = 120 days



FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP -3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 STEP 32 INCREMENT 5

3-D ANALYSIS, CENTER PLANE
 PARALLEL TO FLOW
 ambient temp = 58 deg. F
 time = 120 days

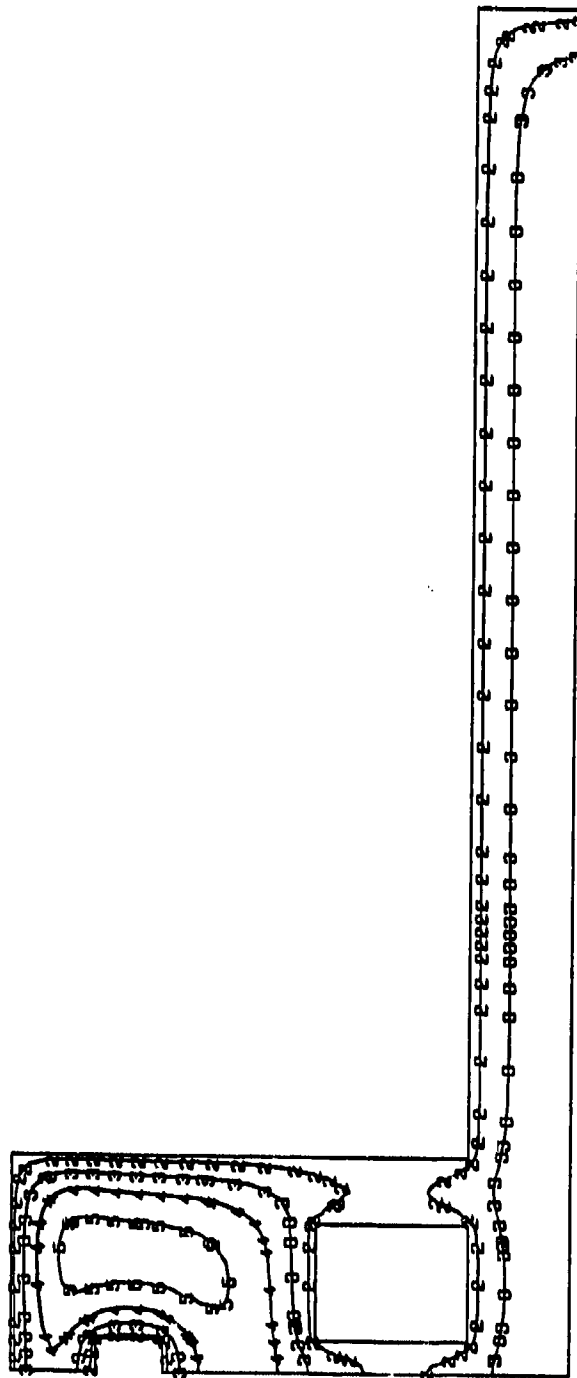


TEMP
 VALUE
 1 +6.00E+01
 2 +6.60E+01
 3 +7.20E+01
 4 +7.80E+01
 5 +8.40E+01
 6 +9.00E+01

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 # STEP 32 INCREMENT 6

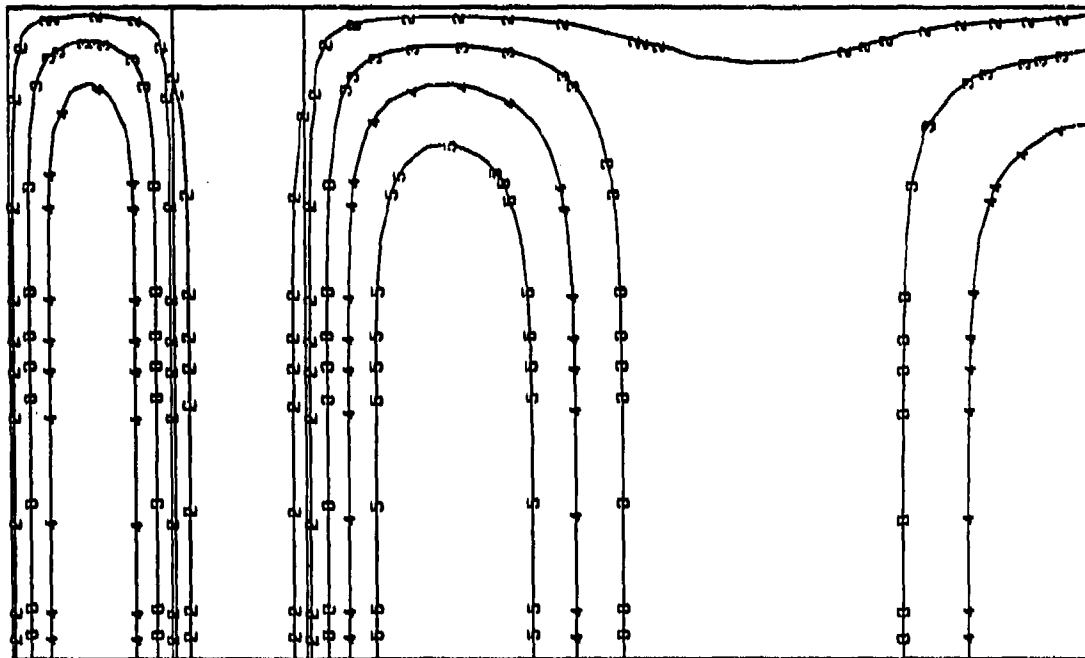
TEMP
VALUE
1 +5.00E+01
2 +6.80E+01
3 +6.50E+01
4 +7.40E+01
5 +8.20E+01
6 +9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 52 deg.F
tiem = 133 days



1
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.330E+02 STEP 33 INCREMENT 13

TEMP	
VALUE	
1	+5.00E+01
2	+5.50E+01
3	+6.20E+01
4	+6.80E+01
5	+7.40E+01
6	+8.00E+01



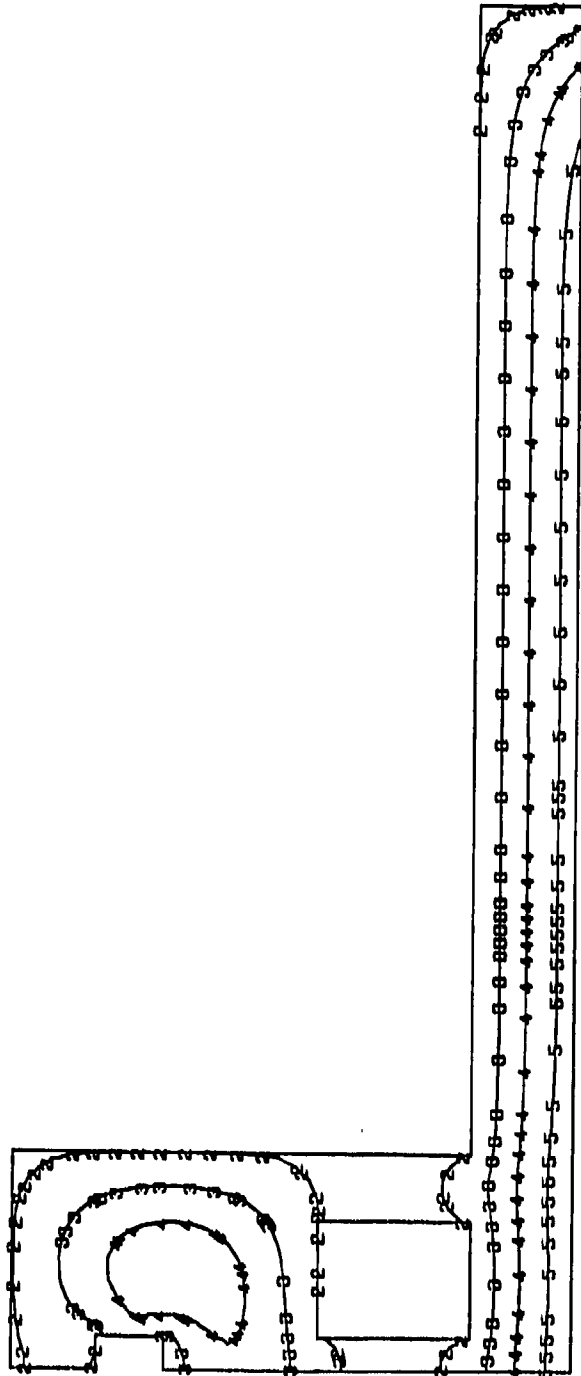
3-D ANALYSIS, CENTER PLANE
 PARALLEL TO FLOW
 ambient temp = 52 deg.F
 time = 133 days

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
 TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.330E+02 # STEP 33 INCREMENT 13

TEMP
VALUE

1 +3.00E+01
2 +3.50E+01
3 +4.20E+01
4 +4.80E+01
5 +5.40E+01
6 +6.00E+01

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW
ambient temp = 35.6 deg. F
t_{iem} = 233 days

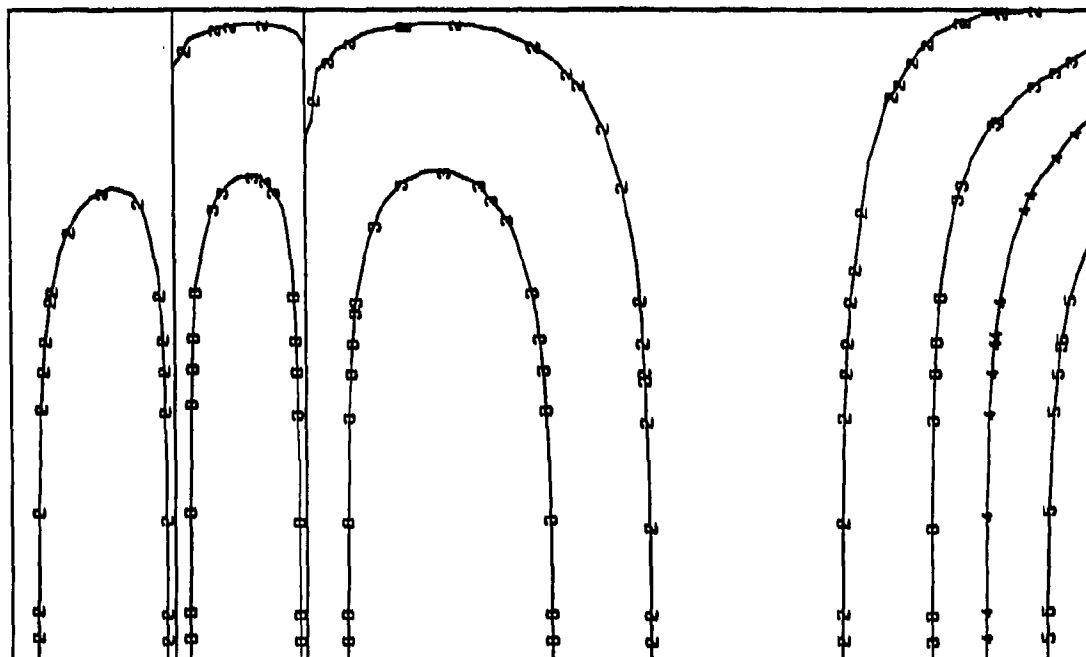


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.330E+02 STEP 34 INCREMENT 50

TEMP
VALUE

1	+3.00E+01
2	+3.60E+01
3	+4.20E+01
4	+4.80E+01
5	+5.40E+01
6	+6.00E+01



3-D ANALYSIS, CENTER PLANE
PARALLEL TO FLOW
ambient temp = 35.6 deg. F
time = 233 days

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.330E+02 STEP 34 INCREMENT 50

APPENDIX E: MIXTURE 11, 2-D STRESS CONTOUR PLOTS

S11

VALUE

1	-6.00E+01
2	-4.00E+01
3	-1.98E+01
4	+2.00E-05
5	+2.00E+01
6	+4.00E+01

RUN CMSTD1
 ambient temp. = 79 deg. F
 time = 30 days



E3

1

WFRAME 2-D GRID, SUMMER START, PL STRS, L1_3

TIME COMPLETED IN THIS STEP	+5.000E+00	TOTAL ACCUMULATED TIME	+2.950E+01	STEP 14	INCREMENT 6

1	-5.00E+01
2	-3.80E+01
3	-2.50E+01
4	-1.40E+01
5	-1.99E+00
6	+1.00E+01

[illegible]

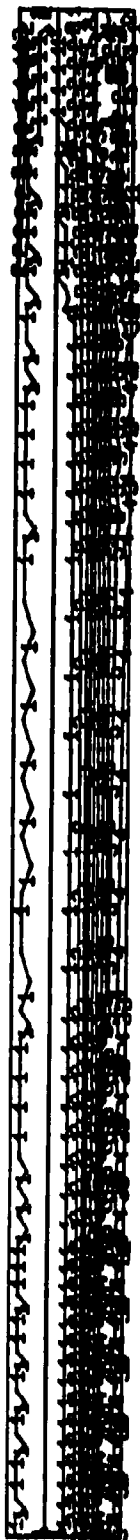
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_3

TIME COMPLETED IN THIS STEP	+5.000E+00	TOTAL ACCUMULATED TIME	+2.950E+01	STEP 14	INCREMENT 8

PRINT
VALUE

1	+1.00E-05
2	+1.00E+01
3	+2.00E+01
4	+3.00E+01
5	+4.00E+01
6	+5.00E+01

RUN OMSTDS1
ambient temp. = 79 deg. F
time = 30 days



E5

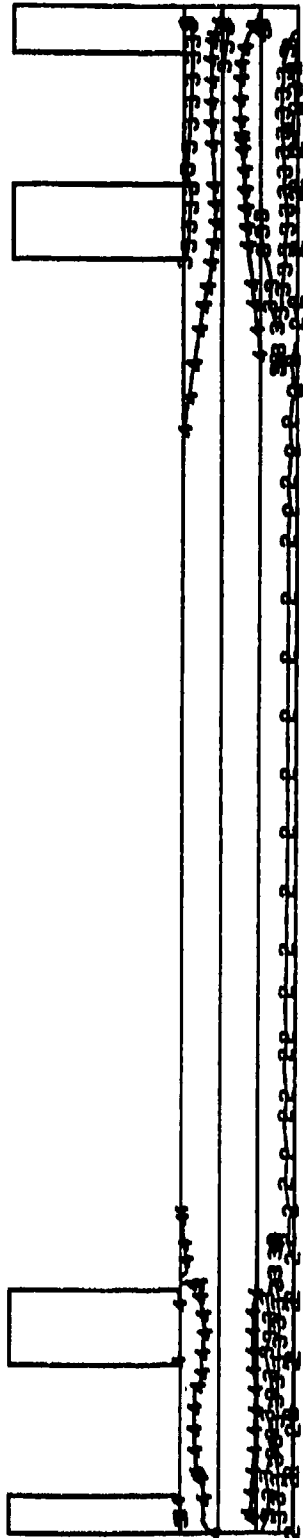
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_3

TIME SPAN COVERED IN THIS GRID 45 000E+00 TOTAL SPAN COVERED TIME 45 000E+00 CRED 12 IMPROVEMENT 5

S41
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

RUN ONSTD51
ambient temp. = 75.7 deg. F
time = 65 days



E6

WFRAME 2-D GRID, SUMMER START, PL STRS, L1_8

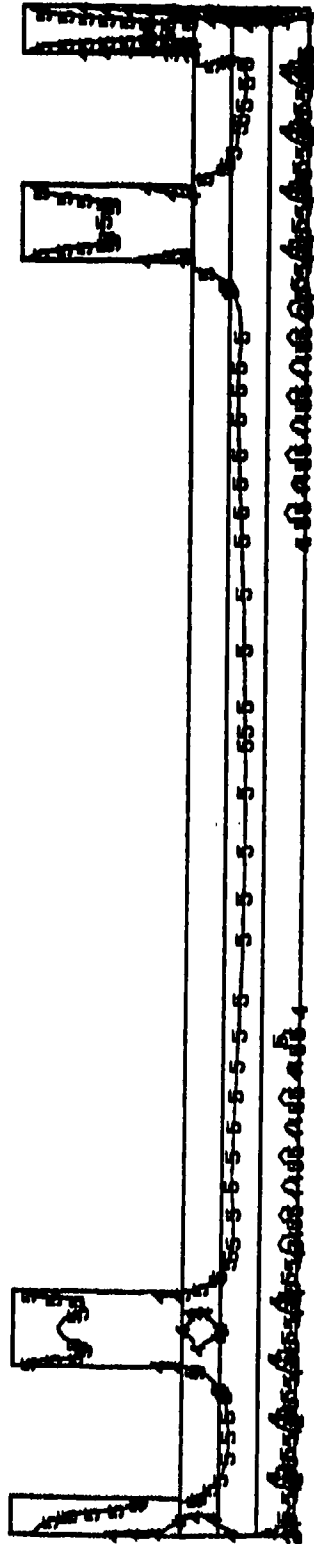
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT 15

S22

VALUE

- 1 -7.00E+01
- 2 -5.40E+01
- 3 -3.80E+01
- 4 -2.20E+01
- 5 -5.99E+00
- 6 +1.00E+01

RUN OMSTD51
 ambient temp. = 75.7 deg. F
 time = 65 days

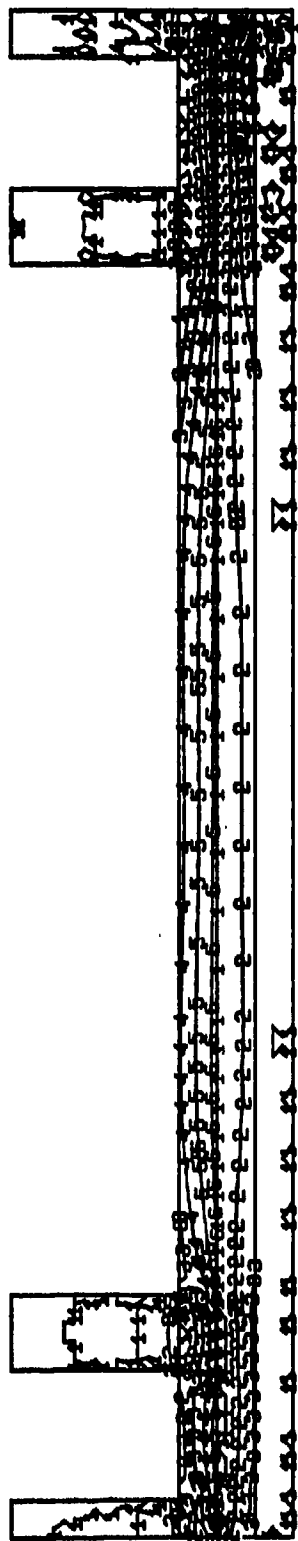


E7

WFRAME 2-D GRID, SUMMER START, PL STRS, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT 10

PRINT VALUE	
1	+1.00E+05
2	+1.00E+01
3	+2.00E+01
4	+3.00E+01
5	+4.00E+01
6	+5.00E+01



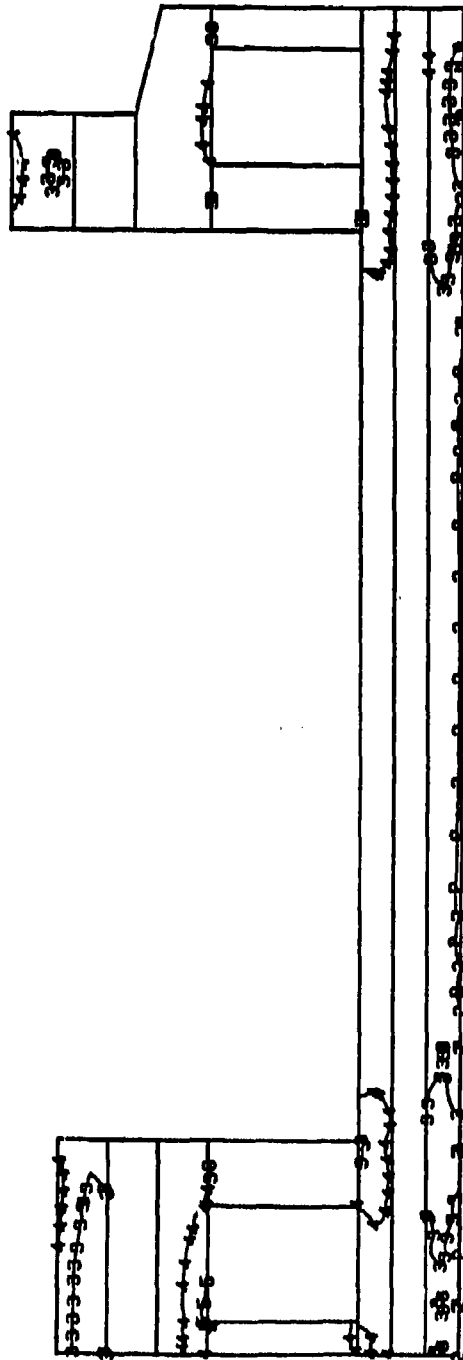
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_8

TIME COMPLETED IN THIS STEP	+1.500E+01	TOTAL ACCUMULATED TIME	+6.450E+01	STEP 31 INCREMENT IN

S11
VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.99E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

RUN OMSTDS1
ambient temp. = 67 deg. F
time = 95 days



E9

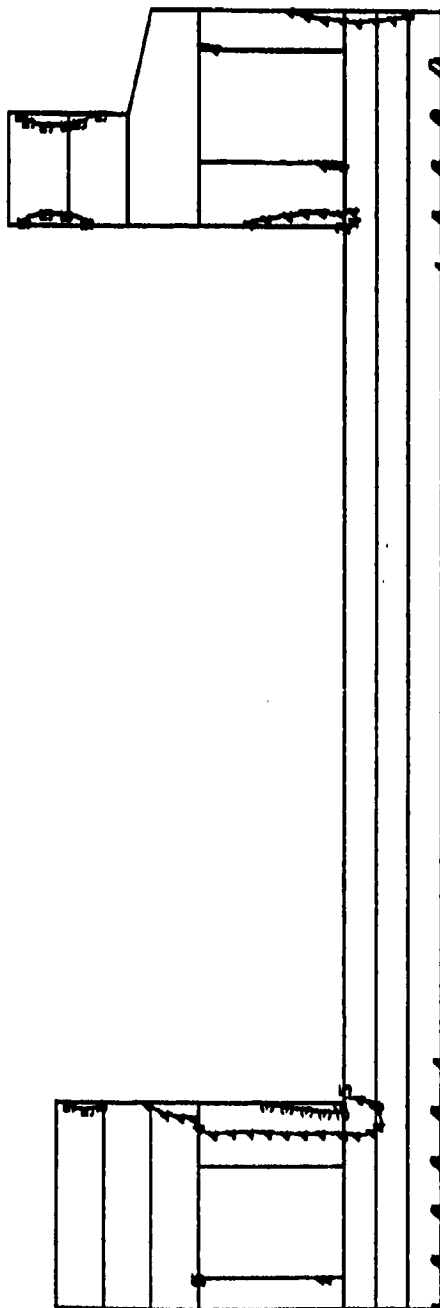
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME 40.450E+01 STEP 67 INCREMENT 6

S22
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.95E+01
5	+2.00E+01
6	+1.00E+02

RUN OMSTDS1
ambient temp. = 67. deg. F
time = 95 days



E10

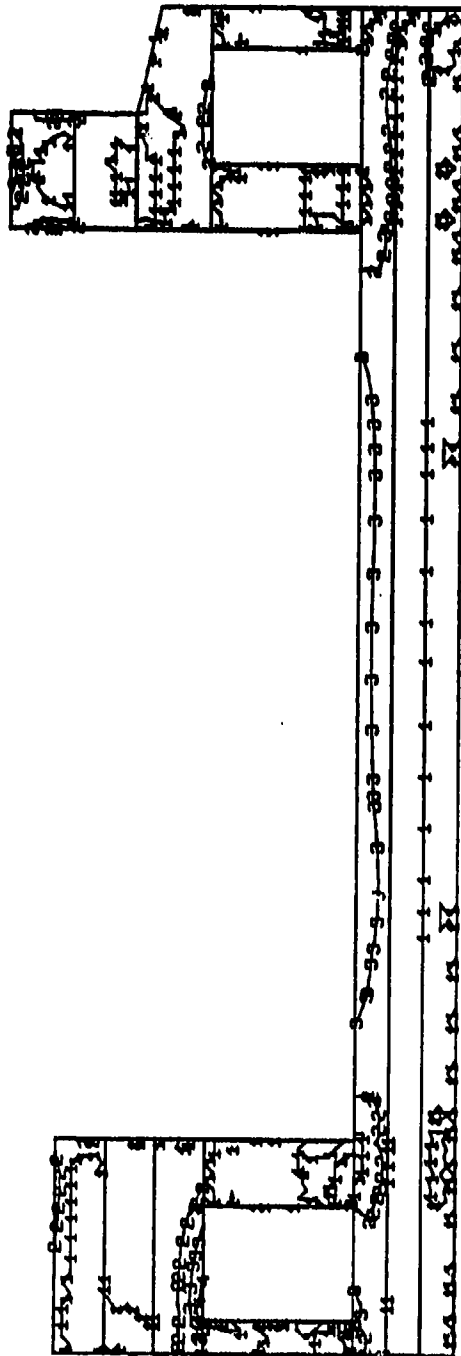
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 57 INCREMENT 6

PROB3
VALUE

1 +4.00E-05
2 +4.00E+01
3 +8.00E+01
4 +1.20E+02
5 +1.60E+02
6 +2.00E+02

RUN OMSTDS1
ambient temp. = 67 deg. F
time = 95 days



E11

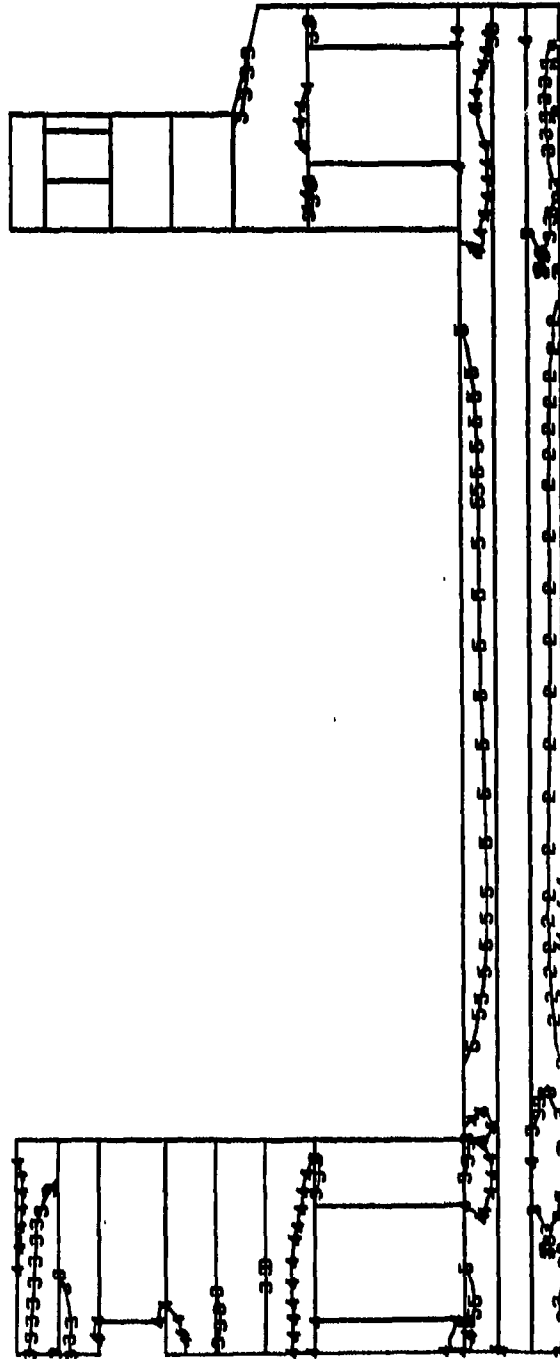
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.456E+01 STEP 57 INCREMENT 6

S11
VALUE

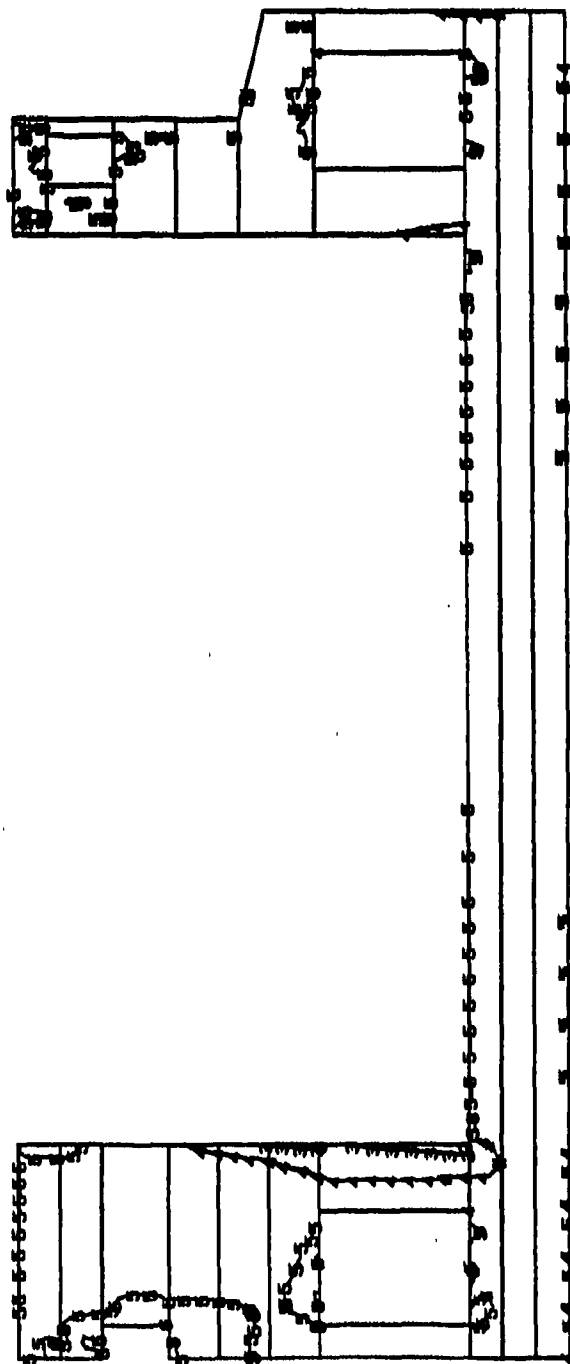
1 -2.00E+02
2 -1.20E+02
3 -3.00E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

RUN OMSTDS1
ambient temp. = 58 deg. F
time = 120 days



-4.00E+02
-3.00E+02
-2.00E+02
-9.99E+01
+1.00E-04
+1.00E+02

RUN OMSTDS1
ambient temp. = 58 deg. F
time = 120 days



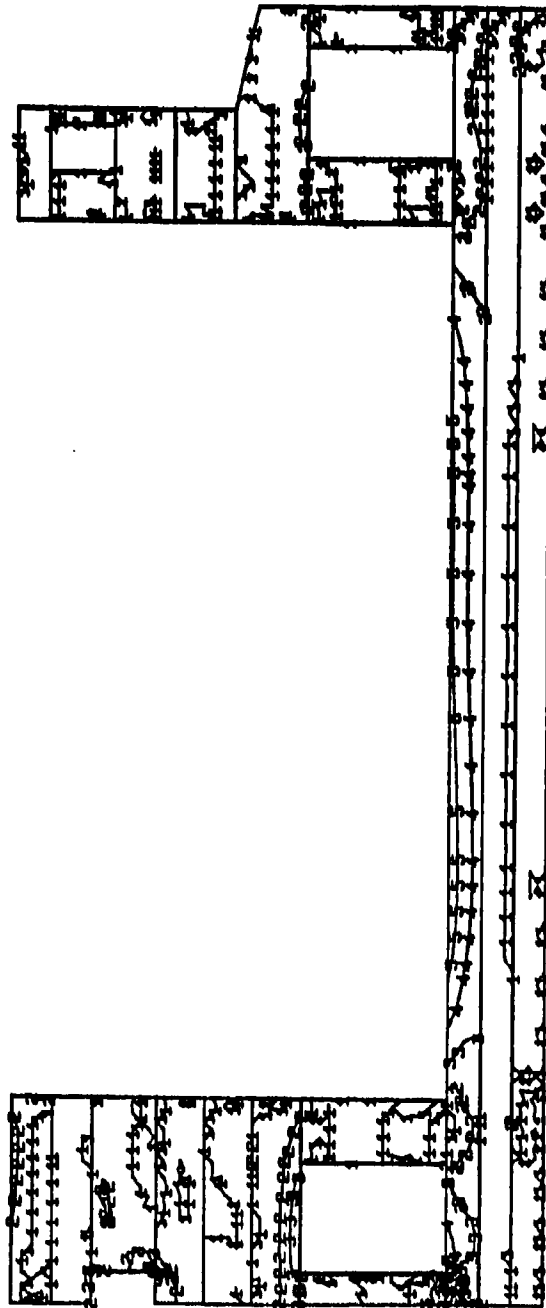
[†]WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL MACHINE ATRD TIME +1.49E+02 STEP 79 INDEPENDENT OF

PRINT
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02

RUN OMSTDS1
ambient temp. = 58 deg. F
time = 120 days



E14

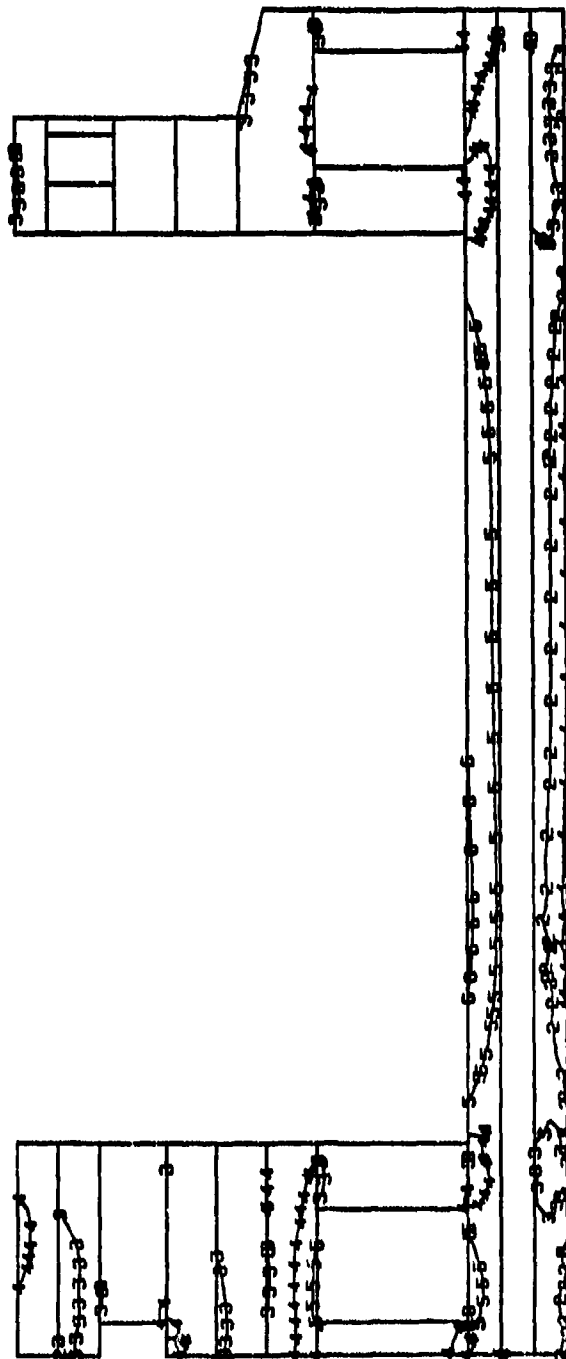
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 S STEP 79 INCREMENT 8

S15
VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.99E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

RUN OMSTDS1
ambient temp. = 52 deg. F
time = 133 days



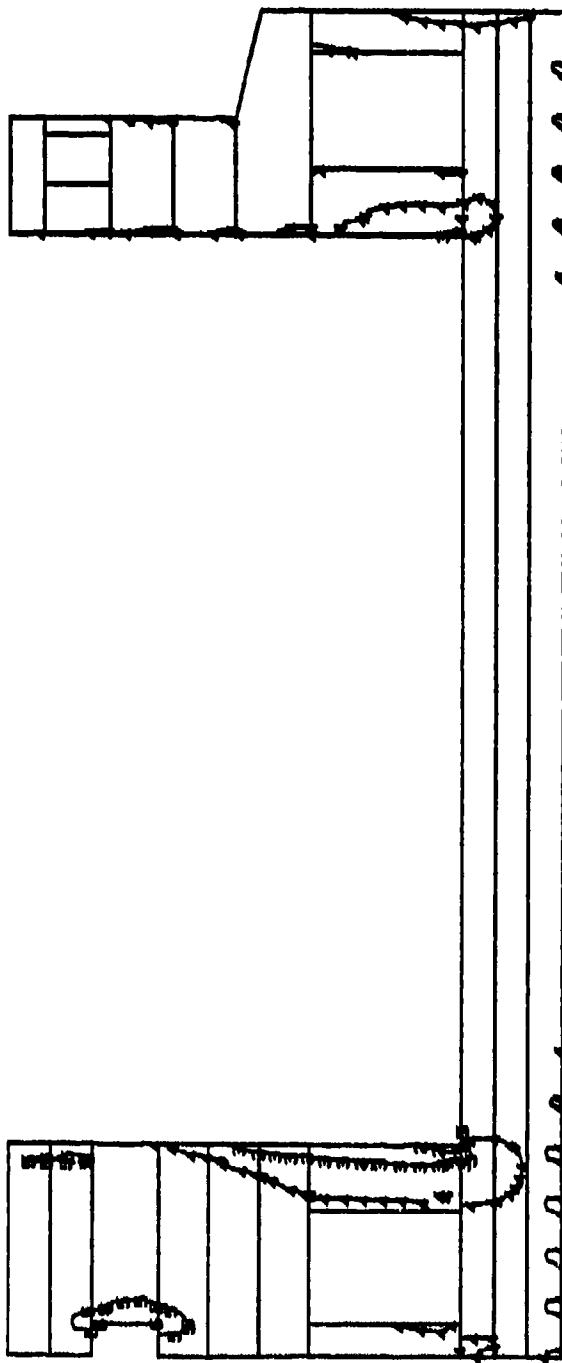
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ADJUSTED TIME +1.325E+02 STEP 80 INCREMENT 13

S22
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.90E+01
5	+2.00E+01
6	+1.00E+02

RUN OMSTDS1
ambient temp. = 52 deg. F
time = 133 days



E16

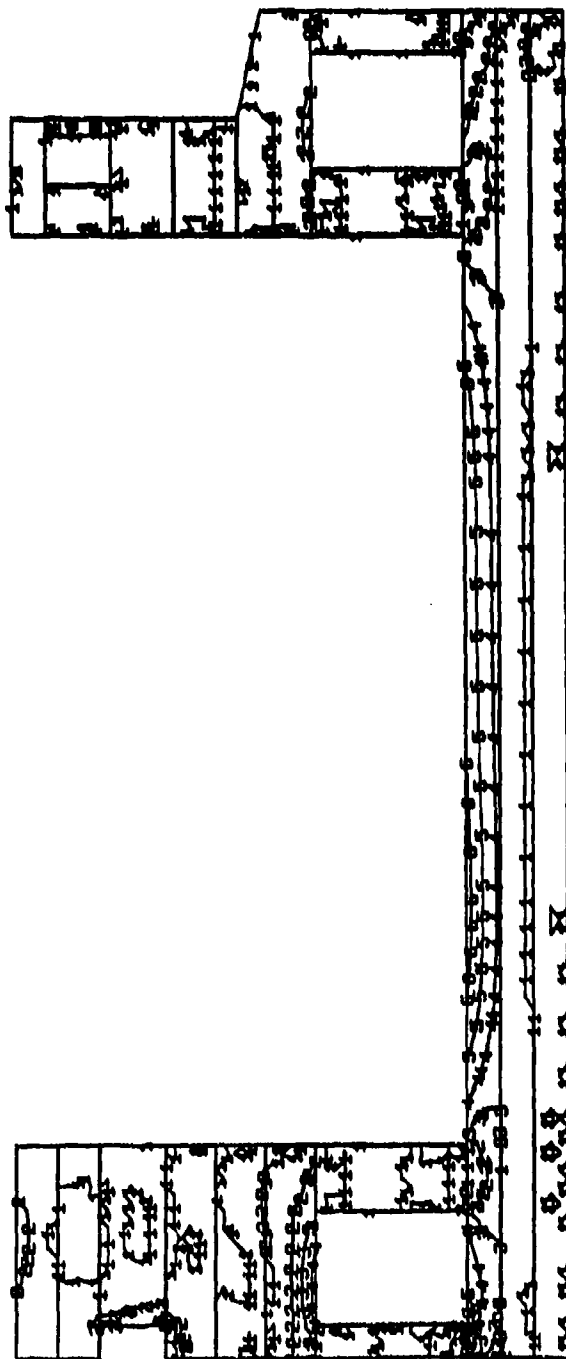
1
WFRAME 2-D: GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.320E+02 # STEP 80 INCREMENT 13

PRINT
VALUE

1 +4.00E+05
2 +4.00E+01
3 +8.00E+01
4 +1.20E+02
5 +1.60E+02
6 +2.00E+02

RUN OMSTDS1
ambient temp. = 52 deg. F
time = 133 days



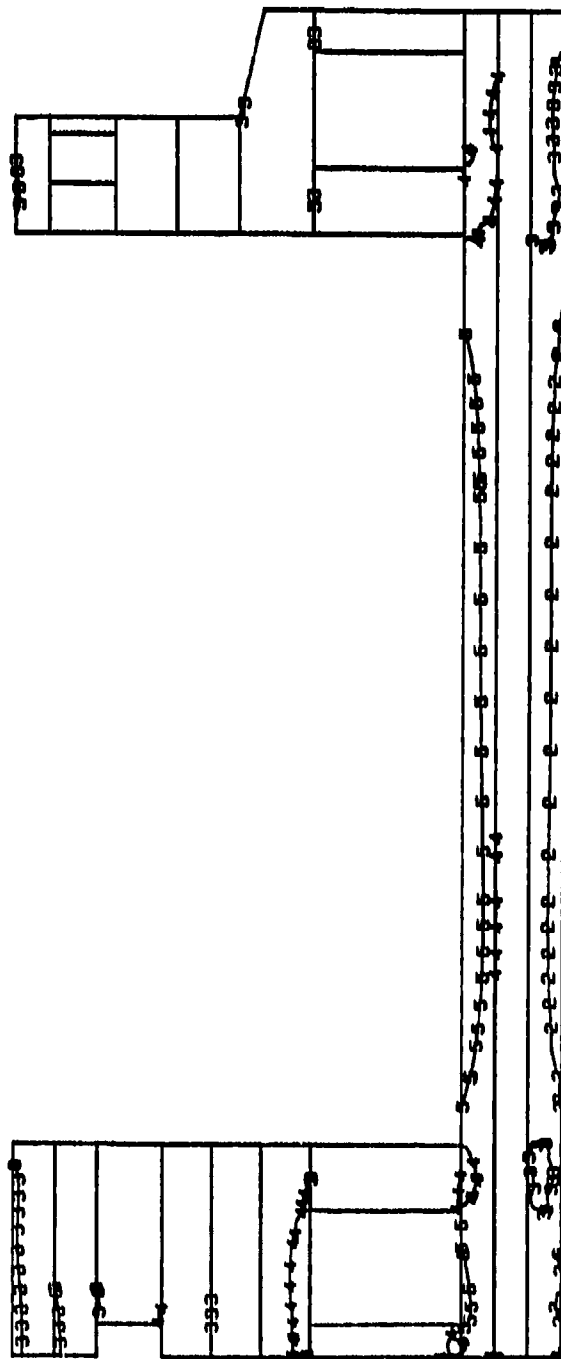
E17

1
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME PROCEDED IN THIS STEP +4.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 8 STEP 88 INCREMENT 13

1	-3.00E+02
2	-1.80E+02
3	-5.99E+01
4	+6.00E+01
5	+1.80E+02
6	+3.00E+02

RUN Q#STD51
ambient temp. = 39.5 deg. F
time = 170 days



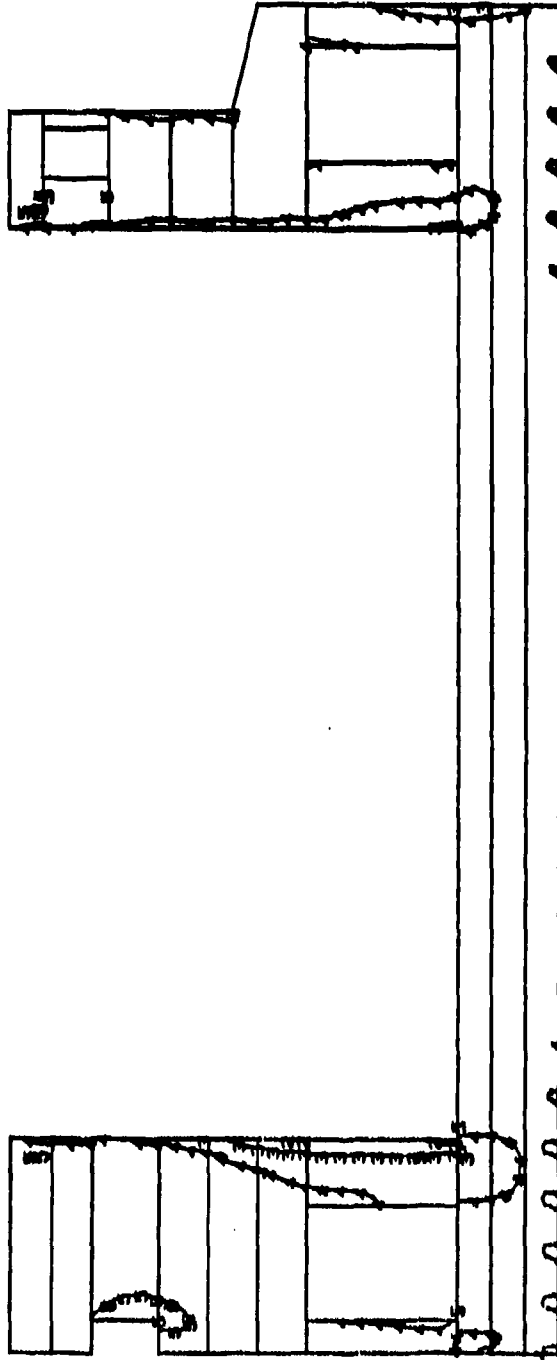
FRAME 2-D GRID. SUMMER START. PL STARS. L119

TIME COMPLETED IN THIS STEP	+3.700E+01	TOTAL ACCUMULATED TIME	+1.685E+02	STEP 61	INCREMENT 37

S22
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.95E+01
5	+2.00E+01
6	+1.30E+02

RUN OMSTDS1
ambient temp. = 39.5 deg. F
time = 170 days



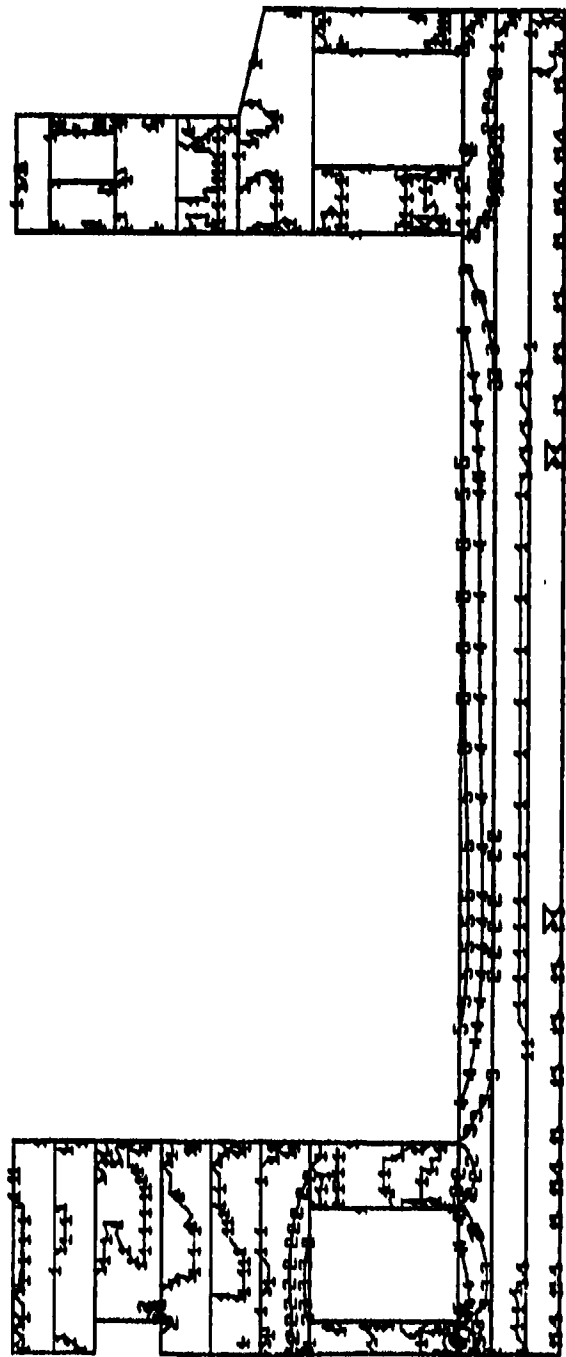
E19

1
WFRAME 2-D GRID, SUMMER START, PL STRS, L119
TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.688E+02 STEP 61 INCREMENT 37

PRINTS
VALUE

1 +6.00E-05
2 +6.00E-01
3 +1.20E+02
4 +1.80E+02
5 +2.40E+02
6 +3.00E+02

RUN OMSTDS1
ambient temp. = 39.5 deg. F
time = 170 days



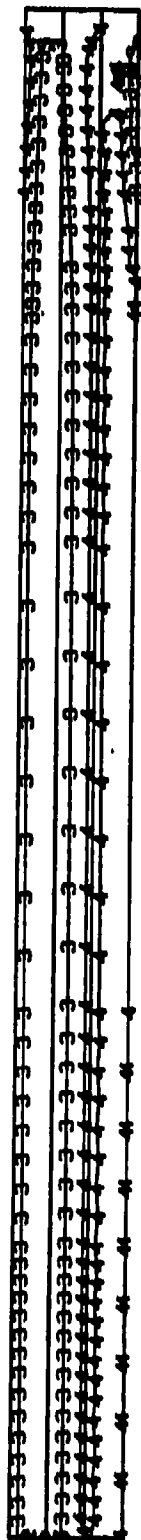
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.000E+02 IN STEP 01 INCREMENT 37

S11
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS1A
ambient temp. = 79 deg. F
time = 30 days



E21

WFRAME 2-D GRID, SUMMER START, PL STRN, L1_3

TIME COMPI FIED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.950E+01 STEP 14 INCREMENT 5

1	-5.00E+01
2	-3.80E+01
3	-2.60E+01
4	-1.40E+01
5	-1.99E+00
6	+1.00E+01

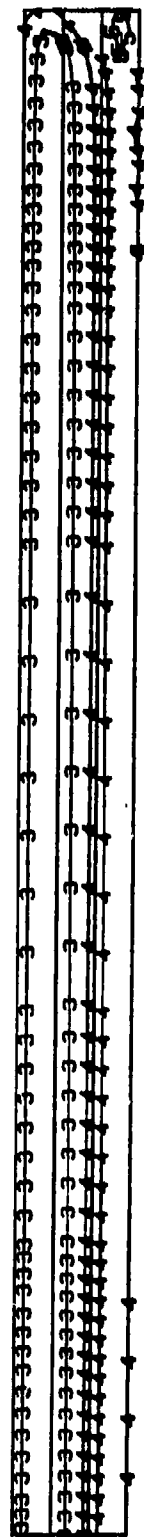
[illegible]

TIME COMPLETED IN THIS STEP	+5.000E+00	TOTAL ACCUMULATED TIME	+2.950E+01	STEP 14	INCREMENT 5

S33
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS1A
ambient temp. = 79 deg. F
time = 30 days



E23

1

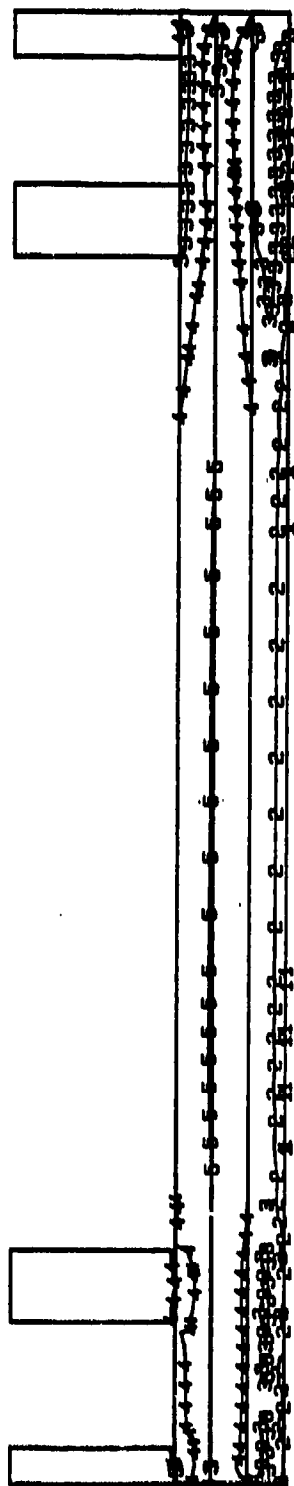
WFRAME 2-D GRID, SUMMER START, PL STN, L1_3

TIME COMPLETED IN THIS STEP 45 MINUTES TOTAL APPROXIMATED TIME 42 950E+01 H CTED 14 TIMEELEMENT H

S41
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

RUN OMSTDS1A
ambient temp. = 75.7 deg. F
time = 65 days



1

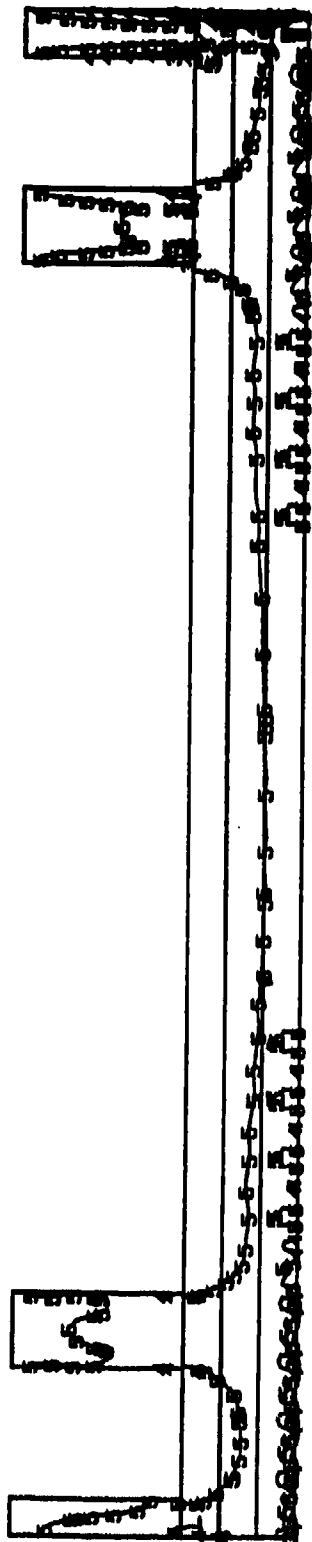
WFRAME 2-D GRID, SUMMER START, PL STRN, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.400E+01 STEP 31 INCREMENT 35

S22
VALUE

1 -8.00E+01
2 -5.20E+01
3 -4.40E+01
4 -2.60E+01
5 -7.98E+00
6 +1.00E+01

RUN ONSTD51A
ambient temp. = 75.7 deg. F
time = 65 days



E25

1

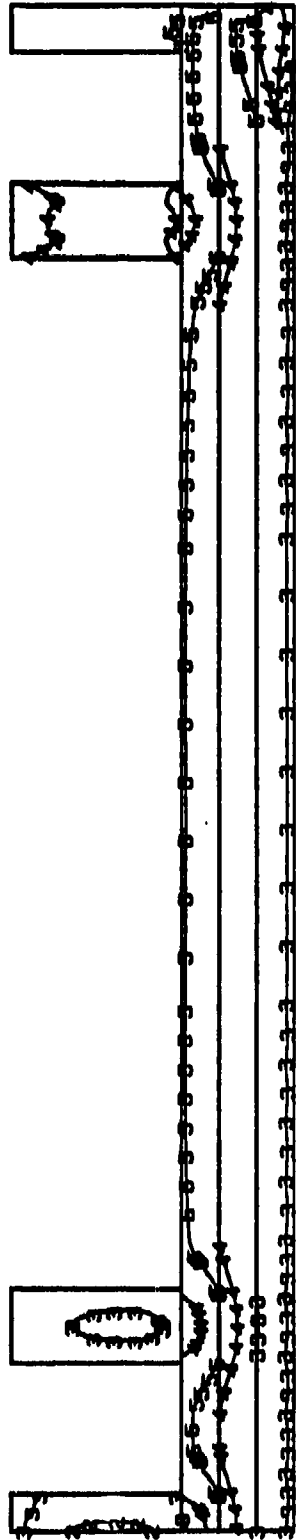
WFRAME 2-D GRID, SUMMER START, PL STN, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.450E+01 STEP 31 INCREMENT 15

S33
VALUE

1 +4.00E-05
2 +4.00E+01
3 +8.00E+01
4 +1.20E+02
5 +1.60E+02
6 +2.00E+02

RUN OMSTDSIA
ambient temp. = 75.7 deg. F
time = 65 days



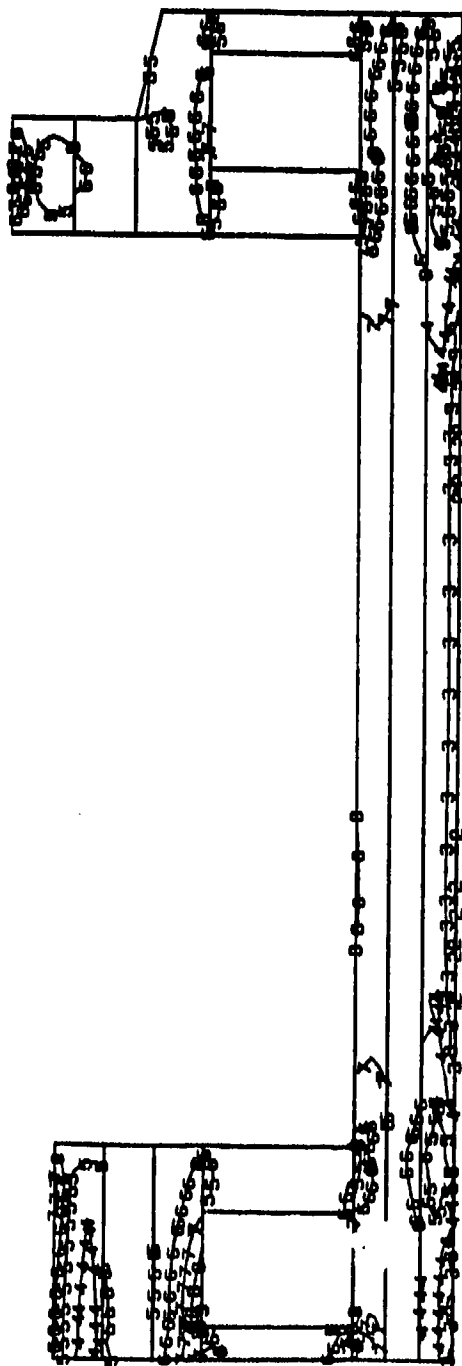
WFRAME 2-D GRID, SUMMER START, PL STRN, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT 15

S11
VALUE

1 -2.00E+02
2 -1.55E+02
3 -1.11E+02
4 -6.66E+01
5 -2.22E+01
6 +2.22E+01
7 +6.66E+01
8 +1.11E+02
9 +1.55E+02
10 +2.00E+02

RUN 04STDS1A
ambient temp. = 67 deg. F
time = 95 days



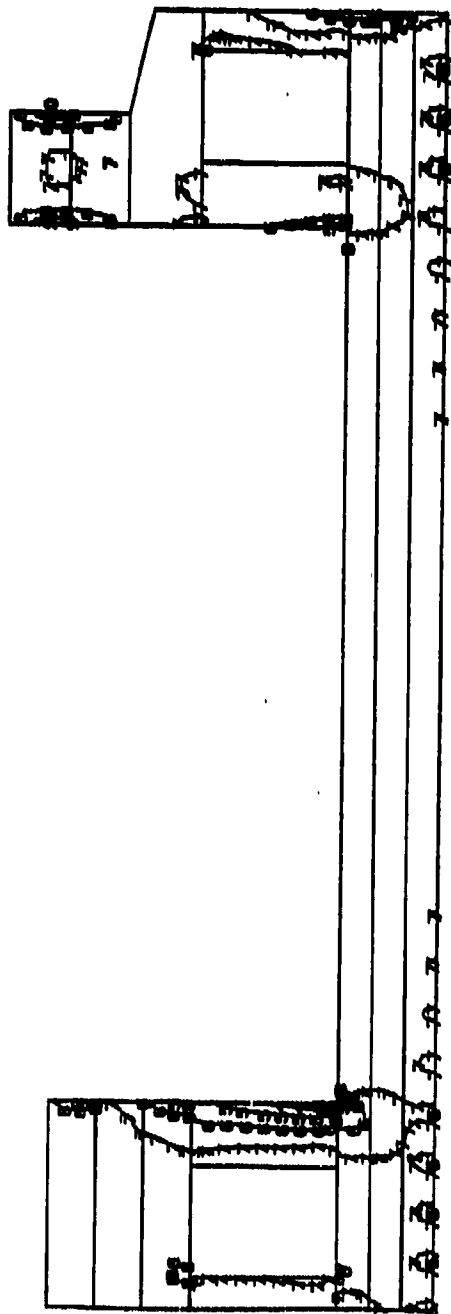
WFRAME 2-D GRID, SUMMER START, PL STN, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.456E+01 STEP 57 INCREMENT 6

S22
VALUE

1	-3.00E+02
2	-2.55E+02
3	-2.11E+02
4	-1.66E+02
5	-1.22E+02
6	-7.77E+01
7	-3.33E+01
8	+1.11E+01
9	+5.55E+01
10	+1.00E+02

RUN OMSTDSIA
ambient temp. = 67 deg. F
time = 95 days



E28

1

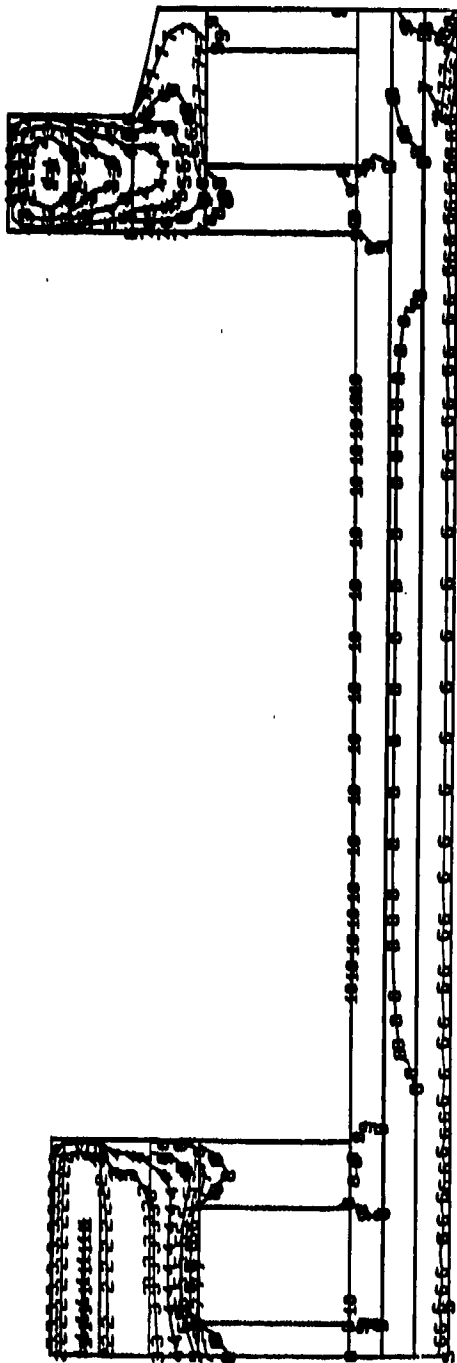
WFRAME 2-D GRID. SUMMER START, PL STRN, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.468E+01 STEP 57 INCIDENT 8

S33
VALUE

1 -1.00E+02
2 -5.55E+01
3 -1.11E+01
4 +3.33E+01
5 +7.77E+01
6 +1.22E+02
7 +1.66E+02
8 +2.11E+02
9 +2.55E+02
10 +3.00E+02

RUN ONSTDLSIA
ambient temp. = 67 deg. F
time = 95 days



E29

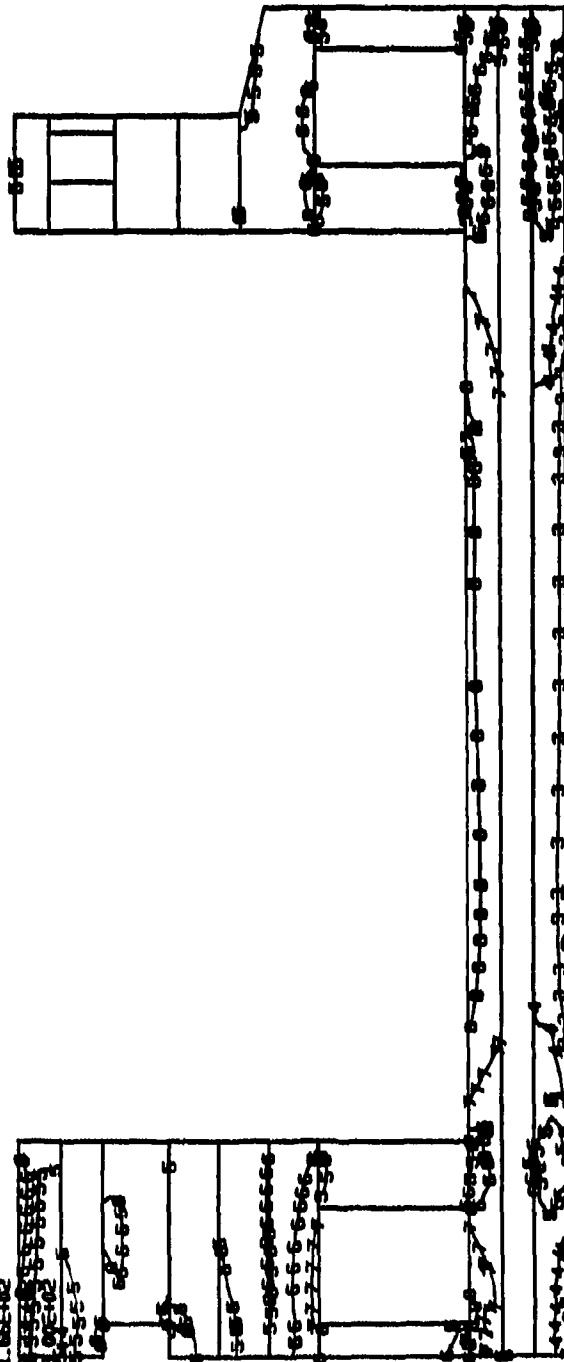
1
WFRAME 2-D GRID, SUMMER START, PL STN, L114

TIDE COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIDE +9.458E+01 STEP 57 INCREMENT 6

S11
VALUE

1	-3.00E+02
2	-2.33E+02
3	-1.00E+02
4	-1.00E+02
5	-3.33E+01
6	+3.33E+01
7	+1.00E+02
8	+1.00E+02
9	+3.33E+01
10	+3.00E+02

RUN OMSTDIA
ambient temp. = 58 deg. F
time = 120 days



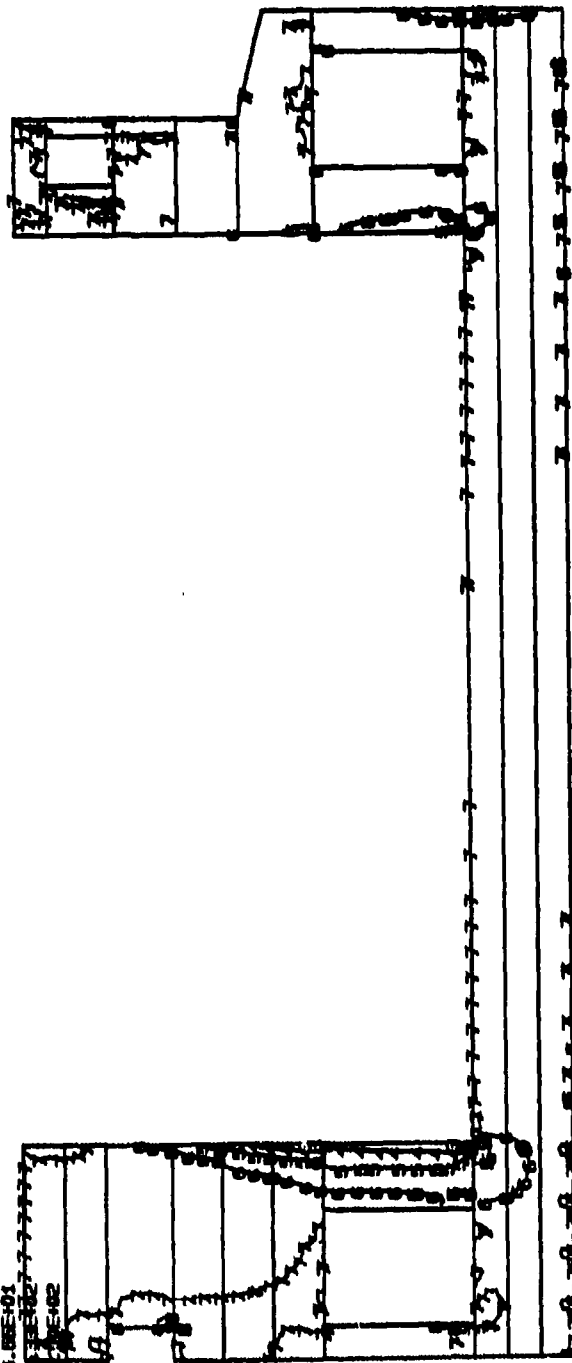
1
WFRAME 2-D GRID, SUMMER START, PL STN, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.885E+02 STEP 79 INCREMENT 6

S22
VALUE

1	-4.00E+02
2	-3.33E+02
3	-2.66E+02
4	-2.00E+02
5	-1.33E+02
6	-6.66E+01
7	+6.66E+01
8	+1.33E+02
9	+2.00E+02
10	

RUN OMSTD51A
ambient temp. = 58 deg. F
time = 120 days

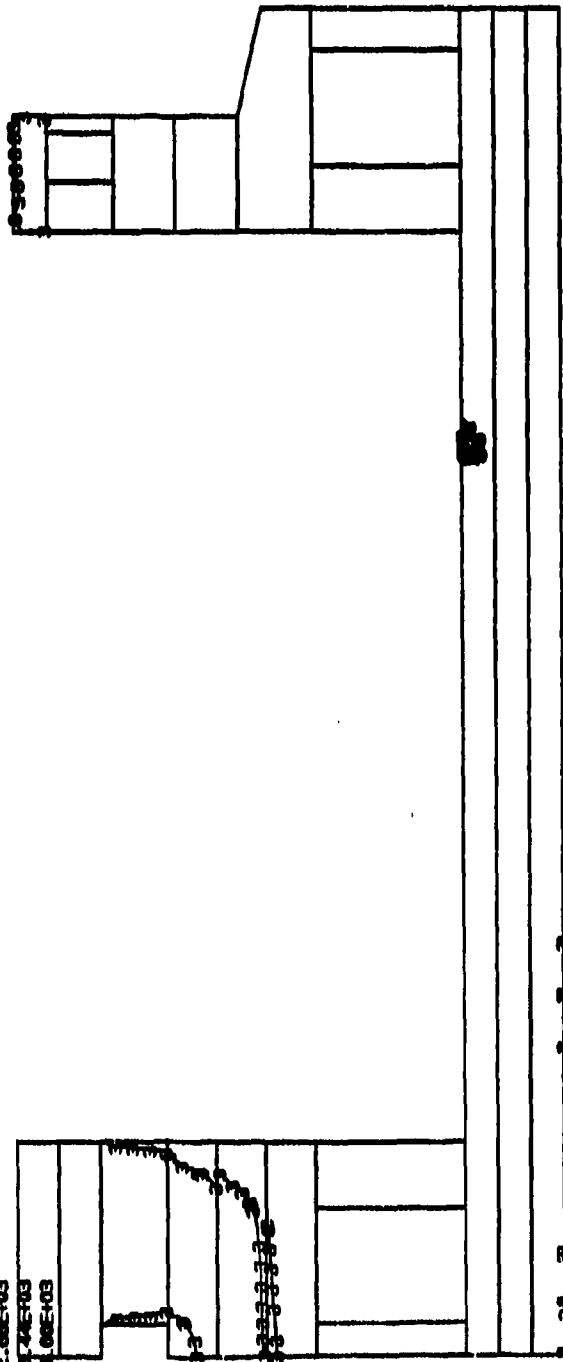


1
WFRAME 2-D GRID, SUMMER START, PL STRN. L119
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.155E+02 8 STEP 79 INCREMENT 6

S33
VALUE

1	-1.00E+03
2	-4.44E+02
3	+1.11E+02
4	+6.66E+02
5	+1.22E+03
6	+1.77E+03
7	+2.33E+03
8	+2.88E+03
9	+3.44E+03
10	+4.00E+03

RUN 0MSTD51A
ambient temp. = 58 deg. F
time = 120 days



E32

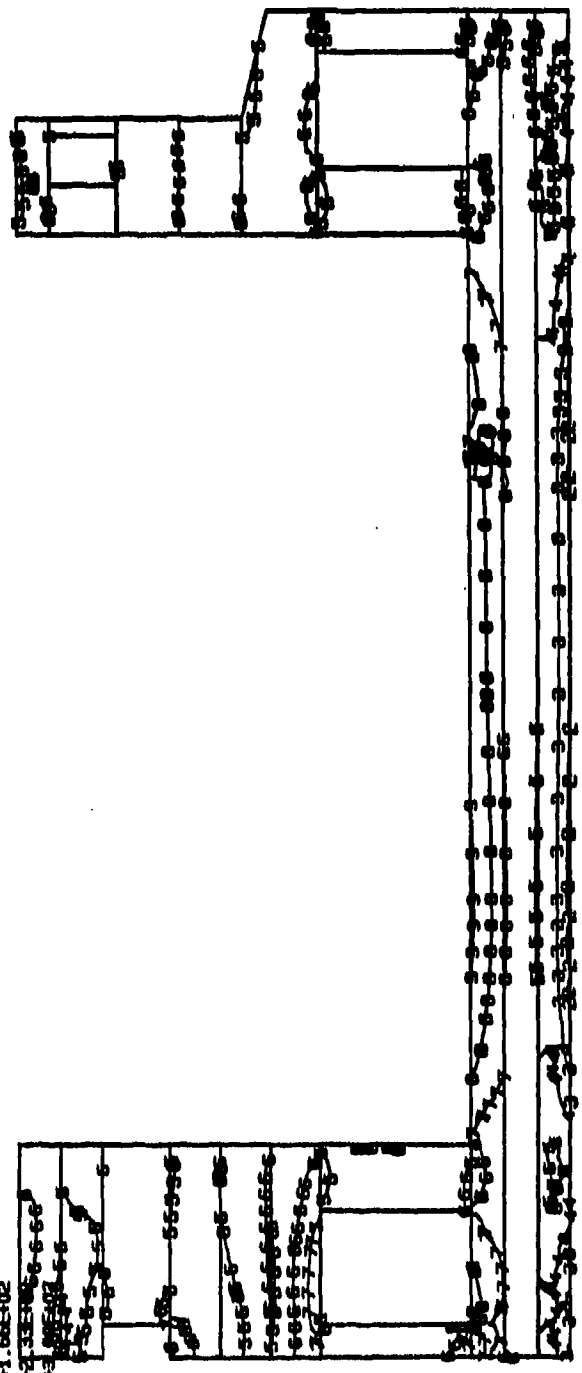
1
WFRAME 2-D GRID. SUMMER START. PL STN. L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 8 STEP 79 INCREMENT 6

S11
VALUE

- 1 -3.00E+02
- 2 -2.33E+02
- 3 -1.66E+02
- 4 -1.00E+02
- 5 -3.33E+01
- 6 +3.33E+01
- 7 +1.00E+02
- 8 +1.66E+02
- 9 +2.33E+02
- 10 +3.00E+02

RUN OMSTDS1A
ambient temp. = 52 deg. F
time = 133 days



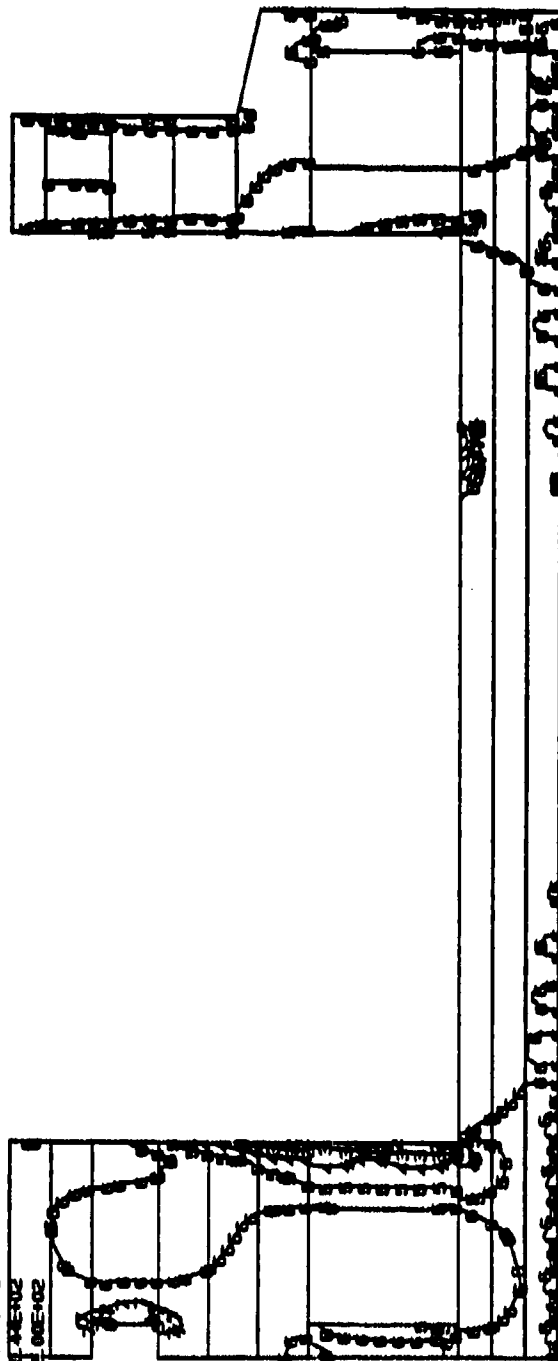
1
WFRAME 2-D GRID, SUMMER START, PL STAN. L119

TDE COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.333E+02 STEP 80 INCREMENT 13

S22
VALUE

1	-3.00E+02
2	-2.44E+02
3	-1.88E+02
4	-1.33E+02
5	-7.77E+01
6	-2.22E+01
7	+3.33E+01
8	+8.88E+01
9	+1.44E+02
10	+2.00E+02

RUN OMSTDSIA
ambient temp. = 52 deg. F
time = 133 days



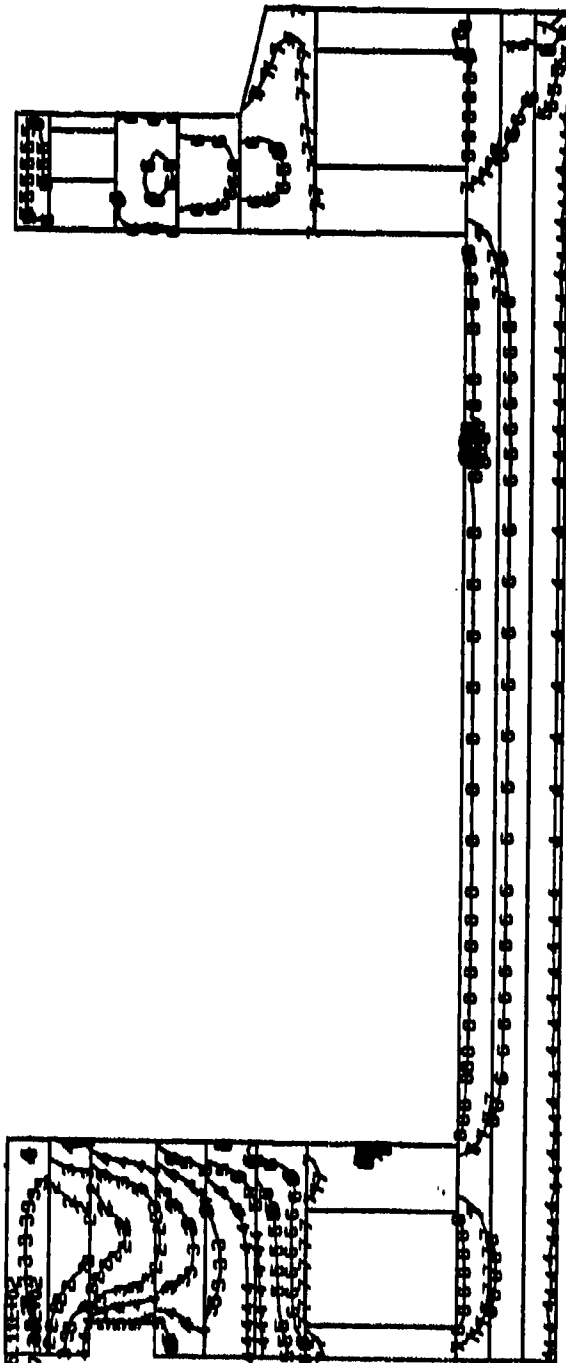
1
WFRAME 2-D GRID, SUMMER START, PL STRN, L119

TIDE COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIDE +1.325E+02 STEP 60 INCREMENT 13

S33
VALUE

1	-1.00E+02
2	-1.11E+01
3	+7.77E+01
4	+1.66E+02
5	+2.00E+02
6	+3.44E+02
7	+4.33E+02
8	+5.22E+02
9	+6.11E+02
10	+7.00E+02

RUN OMSTDS1A
ambient temp. = 52 deg. F
time = 133 days



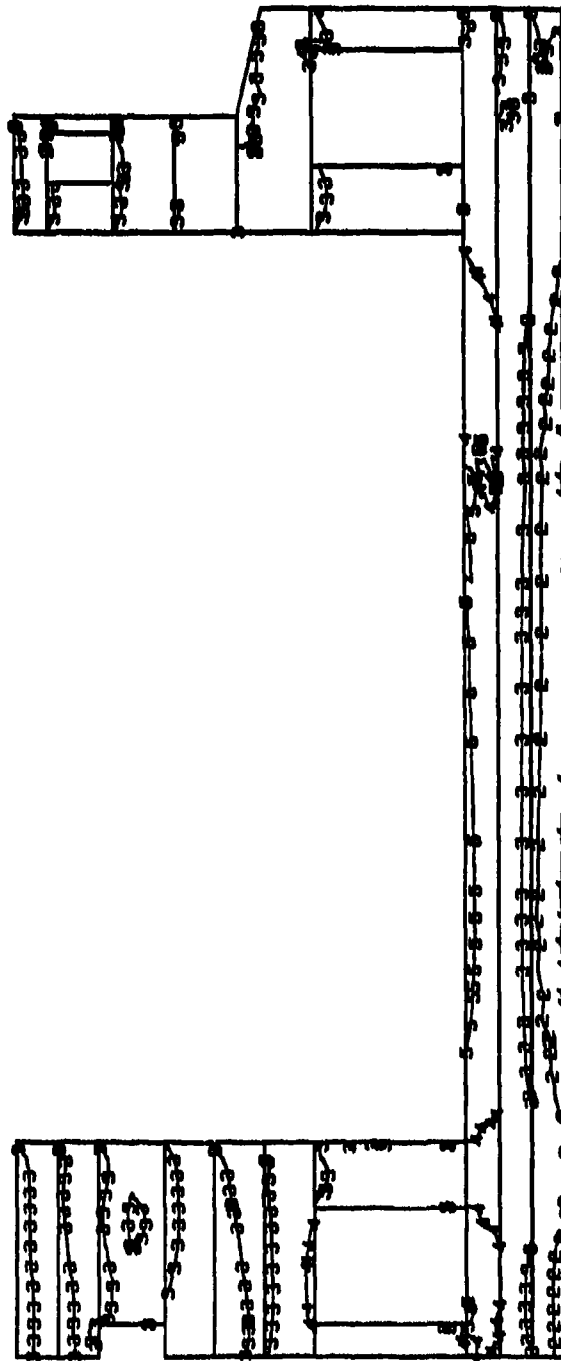
1
WFRAME 2-D GRID, SUMMER START, PL STN, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.32E+02 STEP 00 INCREMENT 13

S11
VALUE

1 -3.00E+02
2 -1.60E+02
3 -1.99E+01
4 +1.20E+02
5 +2.60E+02
6 +4.00E+02

RUN OMSTD51A
ambient temp. = 39.5 deg. F
time = 170 days



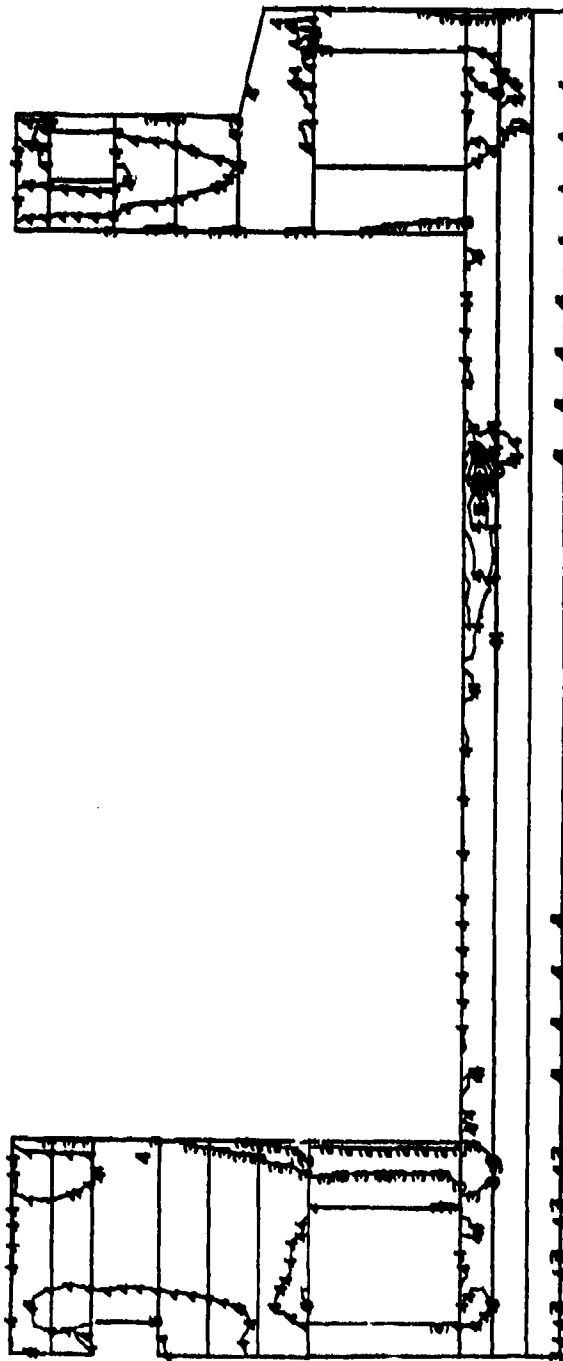
1
WFRAME 2-0 GRID, SUMMER START, PL STRN, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.600E+02 STEP 61 INCREMENT 27

S22
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

RUN OMSTD51A.
ambient temp. = 39.5 deg. F
time = 170 days



E37

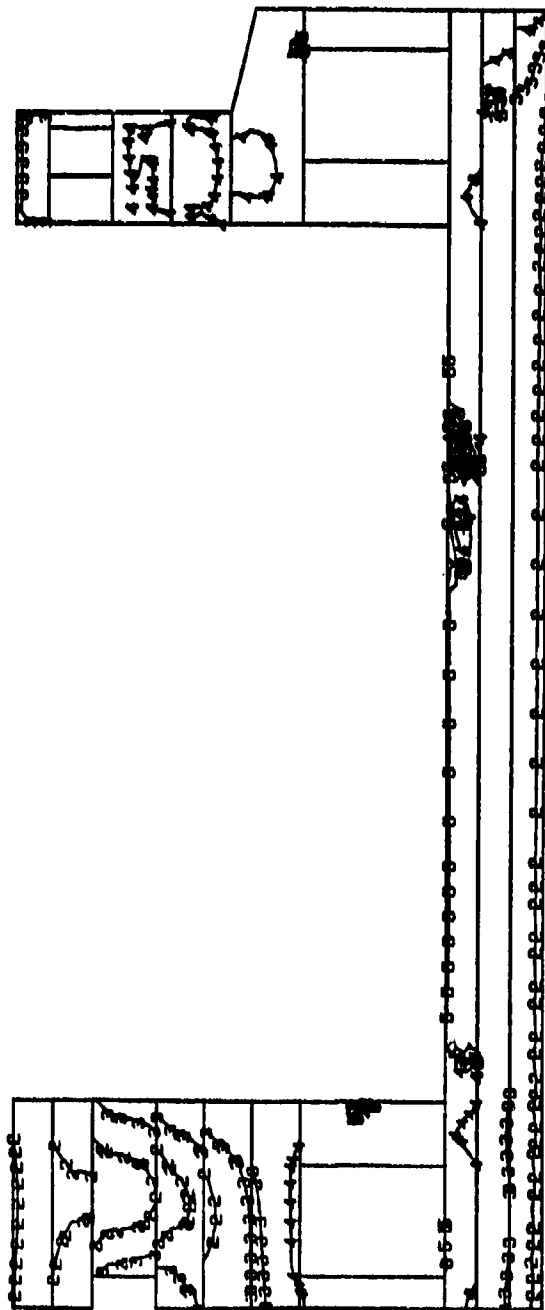
WFRAME 2-D GRID, SUMMER START, PL STN, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.095E+02 STEP 61 INCREMENT 37

S33
VALUE

- 1 +1.00E+02
- 2 +2.60E+02
- 3 +4.20E+02
- 4 +5.80E+02
- 5 +7.40E+02
- 6 +9.00E+02

RUN OMSTD51A
ambient temp. = 39.5 deg. F
time = 170 days



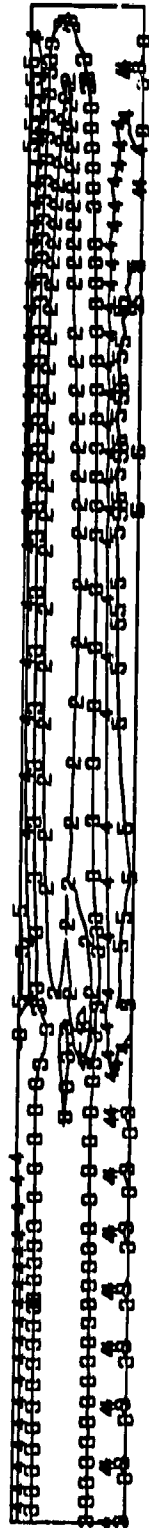
WFRAME 2-D GRID, SUMMER START, PL STN, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.880E+02 STEP 81 INCREMENT 37

L1
VALUE

1 -5.00E+01
2 -2.80E+01
3 -5.99E+00
4 +1.50E+01
5 +3.80E+01
6 +6.00E+01

RUN OMSTDS4
ambient temp. = 79 deg. F
time = 30 days



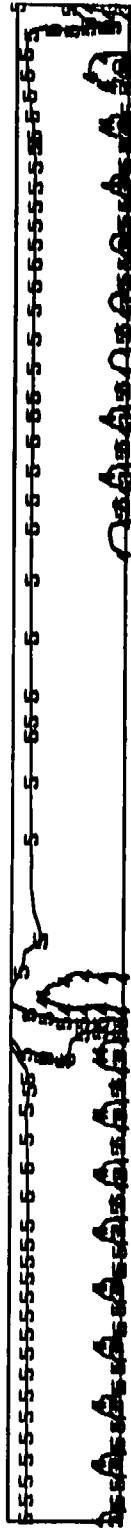
¹
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 15 INCREMENT 10

22
ALUE

1 -5.00E+01
2 -3.80E+01
3 -2.50E+01
4 -1.40E+01
5 -1.99E+00
6 +1.00E+01

RUN OMSTDS4
ambient temp. = 79 deg. F
time = 30 days



E40

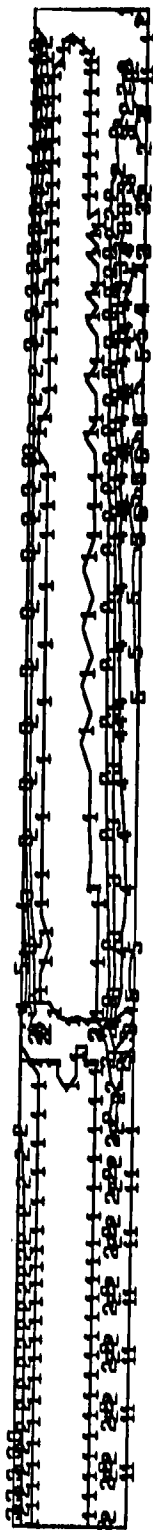
¹
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.550E+01 STEP 16 INCREMENT 10

RIN3
ALUE

1 +1.20E-05
2 +1.20E+01
3 +2.40E+01
4 +3.60E+01
5 +4.80E+01
6 +6.00E+01

RUN OMSTDS4
ambient temp. = 79 deg. F
time = 30 days



E41

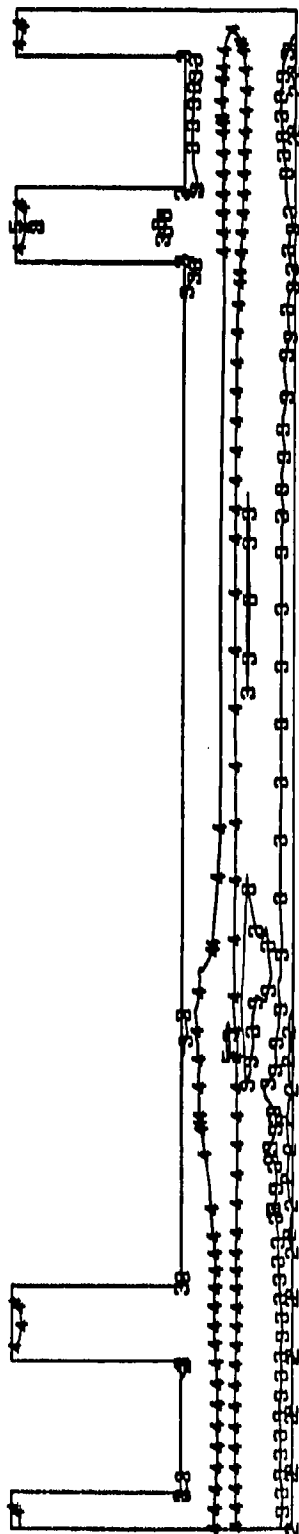
¹
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 16 INCREMENT 10

VALUE

- 1 -1.00E+02
- 2 -6.00E+01
- 3 -1.99E+01
- 4 +2.00E+01
- 5 +6.00E+01
- 6 +1.00E+02

RUN OMSTDS4
 ambient temp. = 75.7 deg. F
 time = 65 days



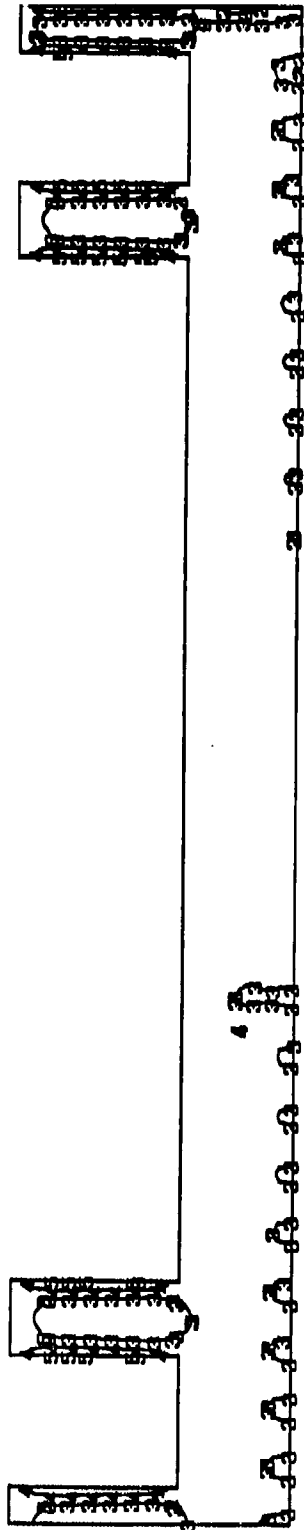
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

322
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS4
ambient temp. = 75.7 deg. F
time = 65 days



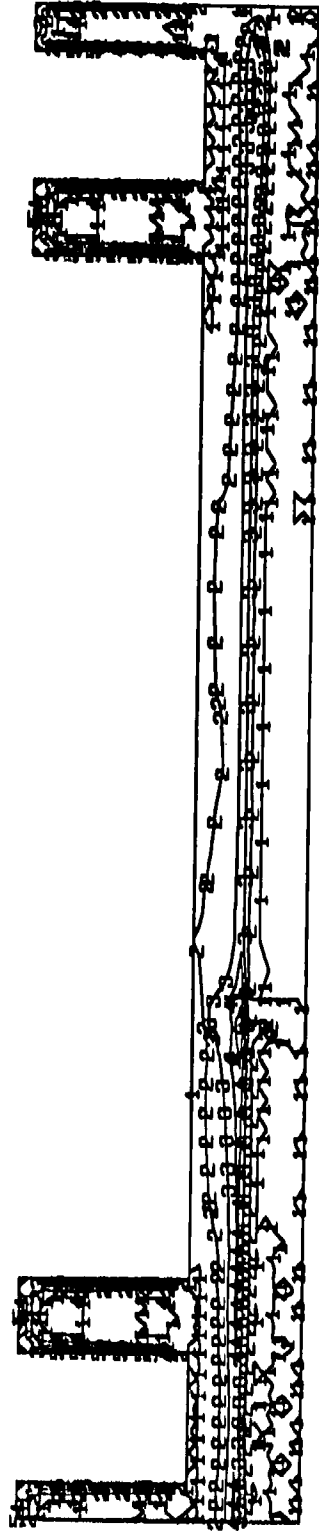
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

PRINT
VALUE

1	+1.40E-05
2	+1.40E+01
3	+2.80E+01
4	+4.20E+01
5	+5.60E+01
6	+7.00E+01

RUN OMSTDS4
ambient temp = 75.7 deg. F
time = 65 days



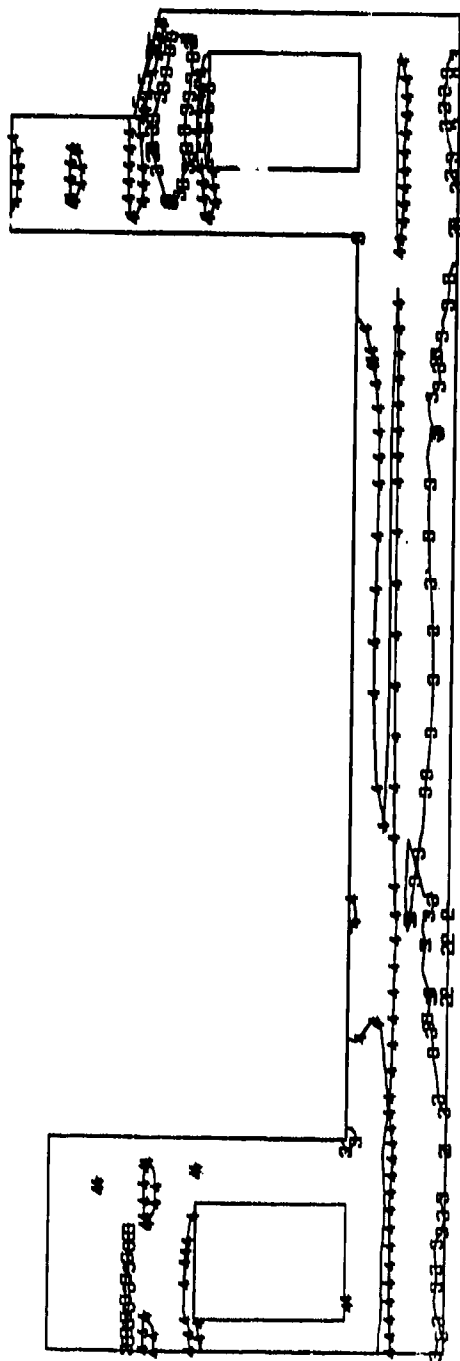
¹
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

11
ALLIE

1 -2.00E+02
2 -1.20E+02
3 -3.95E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

RUN OMSTDS4
ambient temp. = 67 deg. F
time = 95 days



E45

1
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

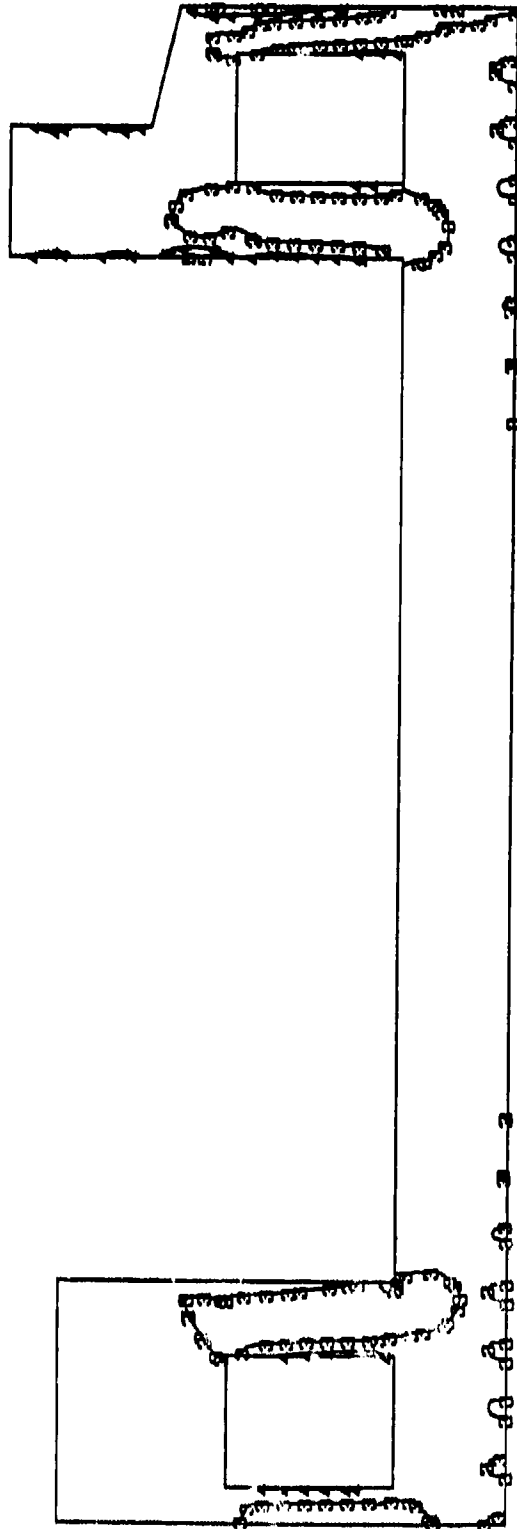
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6

322

VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN OMSTDS4
 ambient temp. = 67 deg. F
 time = 95 days



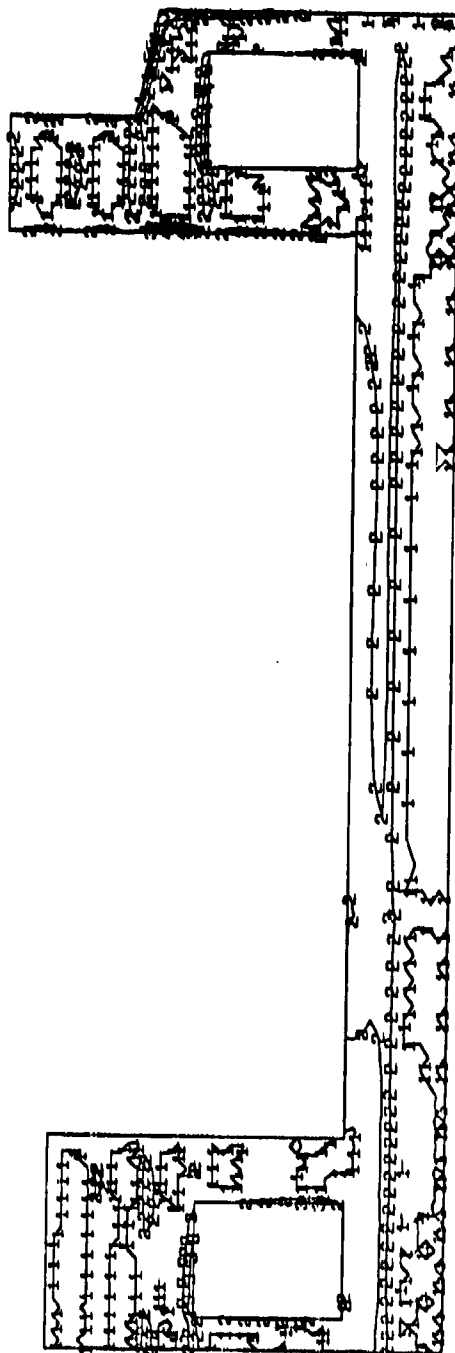
1
 WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6

PRING
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02

RUN OMSTDS4
ambient temp. = 67 deg. F
time = 95 days



E47

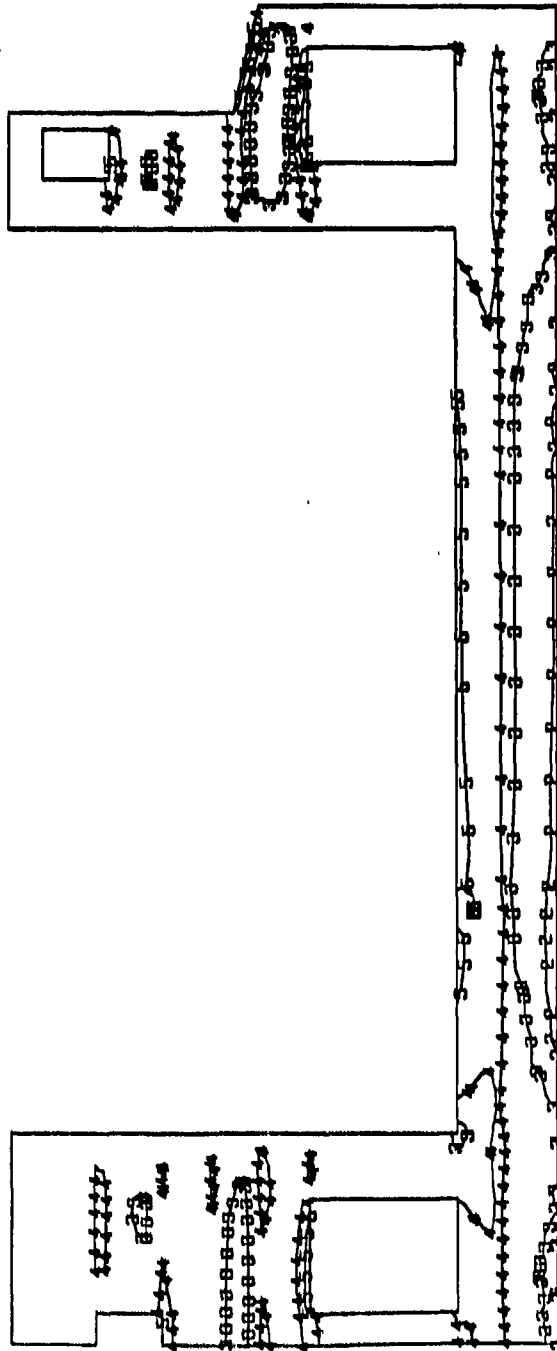
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+03 TOTAL ACCUMULATED TIME +9.450E+01 STEP 53 INCREMENT 5

311
VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.95E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

RUN OMSTDS4
ambient temp. = 58 deg. F
time = 120 days



E48

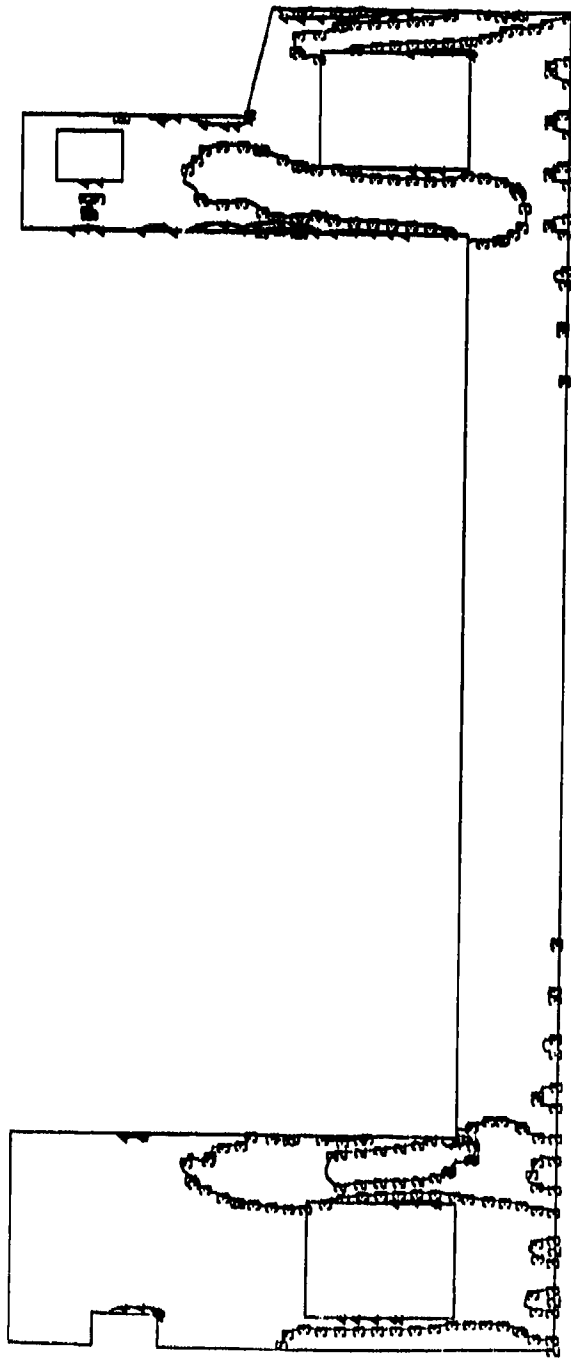
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.155E+02 STEP 81 INCREMENT 5

522
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN 0MSTDS4
ambient temp. = 58 deg. F
time = 120 days



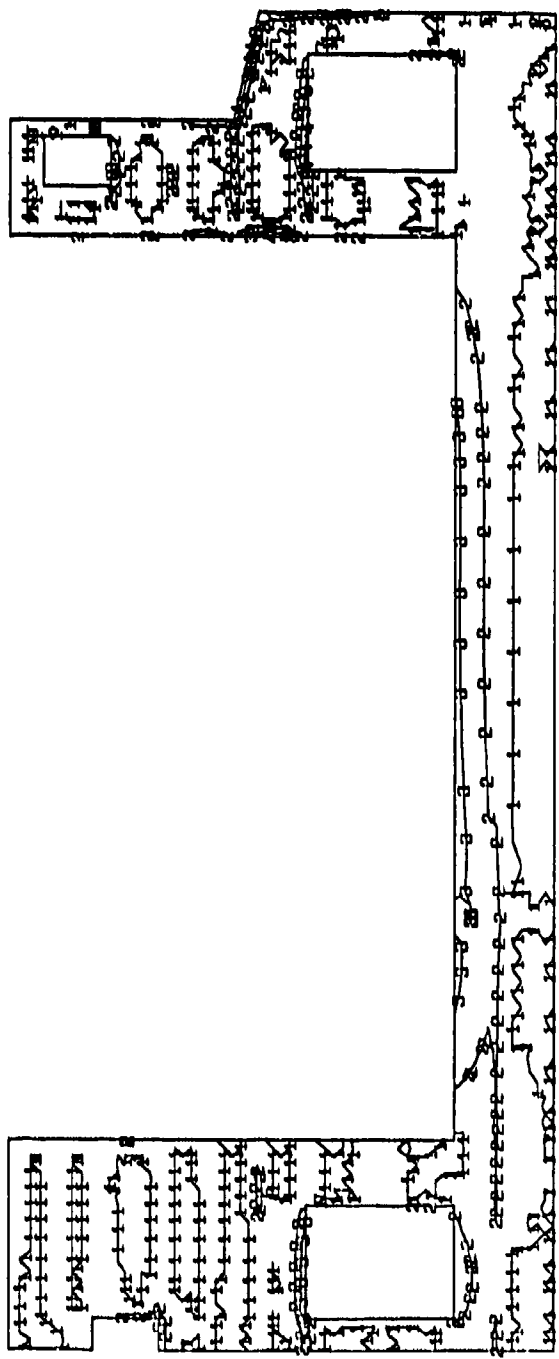
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 81 INCREMENT 5

VALUE

- 1 +5.00E-05
- 2 +5.00E+01
- 3 +1.20E+02
- 4 +1.80E+02
- 5 +2.40E+02
- 6 +3.00E+02

RUN OMSTDS4
 ambient temp. = 58 deg. F
 time = 120 days



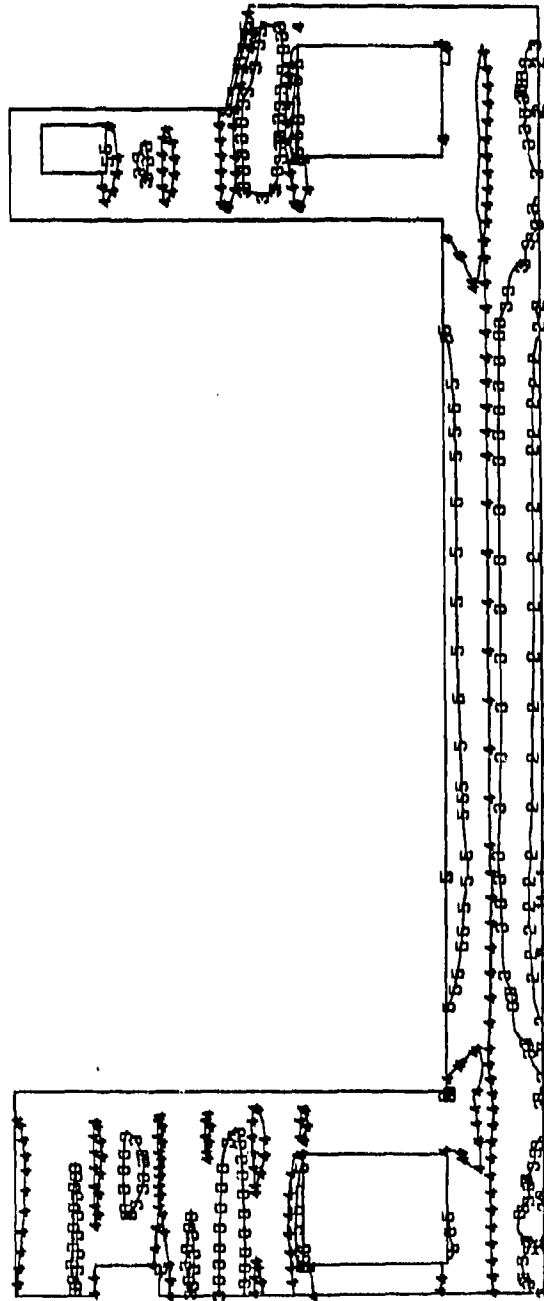
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME CONVERGED IN THIS STEP +3.000E+03 TOTAL ACCUMULATED TIME +1.156E+02 STEP 81 INCREMENT 5

S11
VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.99E+01
4 +4.00E+01
5 +1.20E+02
5 +2.00E+02

RUN OMSTD54
ambient temp. = 52 deg. F
time = 133 days



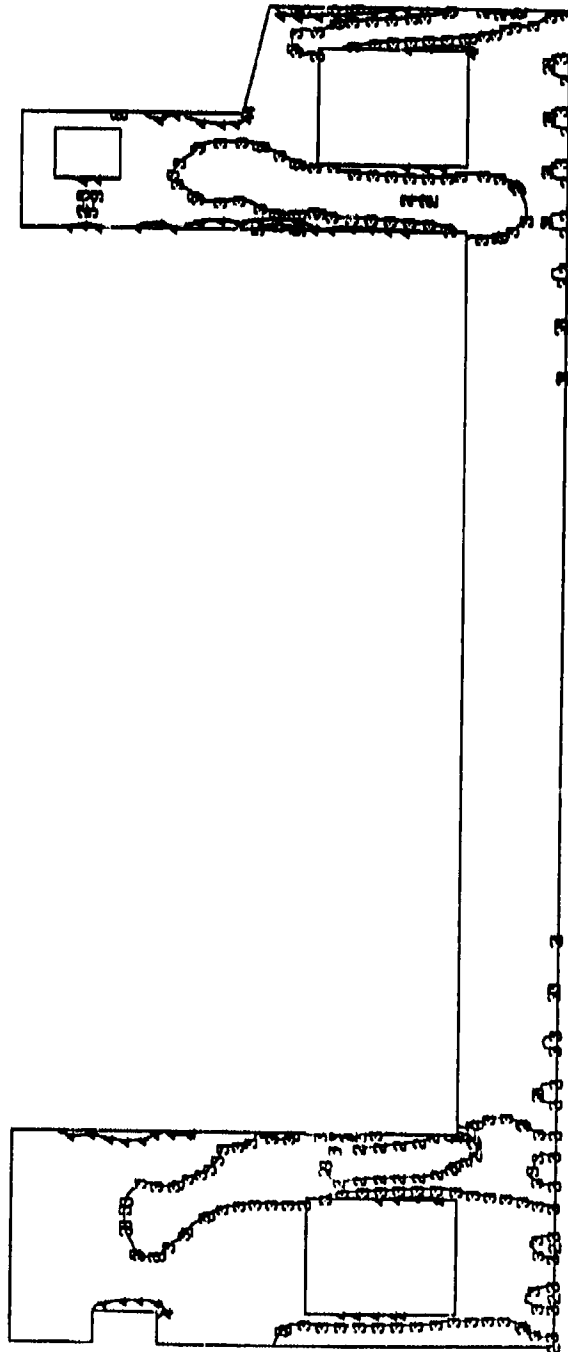
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCREMENT 13

S22
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.95E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN OMSTDS4
ambient temp. = 52 deg. F
time = 133 days



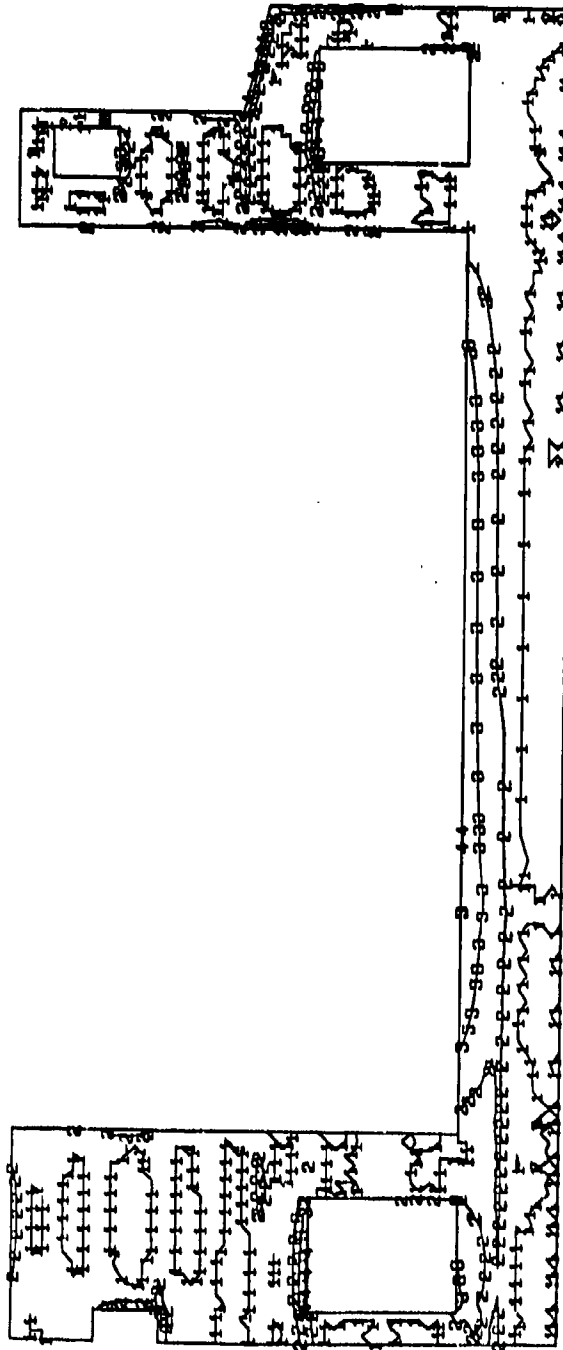
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCREMENT 13

PRINT
VALUE

1 +6.00E-05
2 +6.00E+01
3 +1.20E+02
4 +1.80E+02
5 +2.40E+02
6 +3.00E+02

RUN OMSTD34
ambient temp. = 52 deg. F
time = 133 days



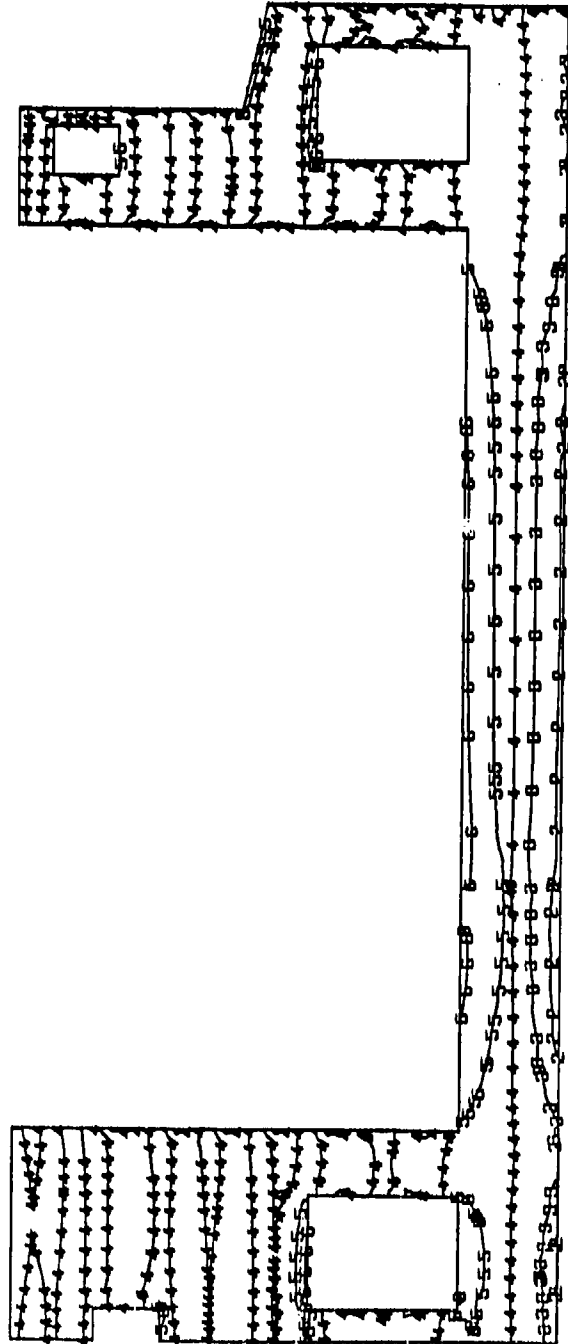
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCREMENT 13

311
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E+04
5	+1.00E+02
6	+2.00E+02

RUN OMSTDS4
ambient temp. = 36.5 deg. F
time = 184 days



E54

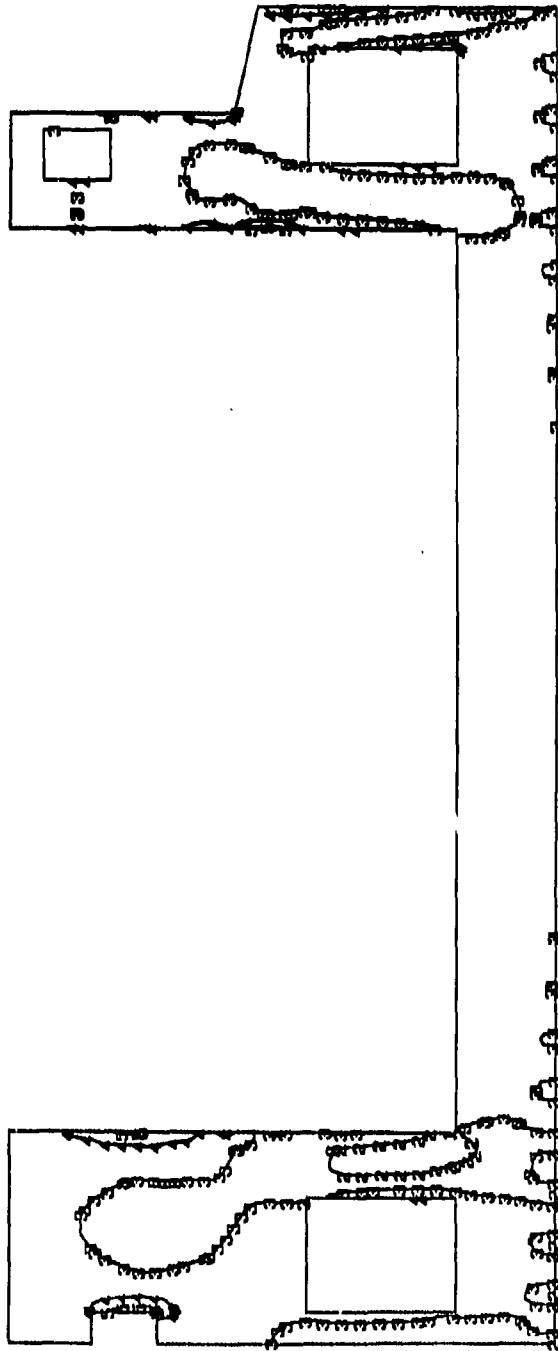
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.855E+02 STEP 84 INCREMENT 25

322
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN OMSTDS4
ambient temp. = 36.5 deg. F
time = 184 days



E55

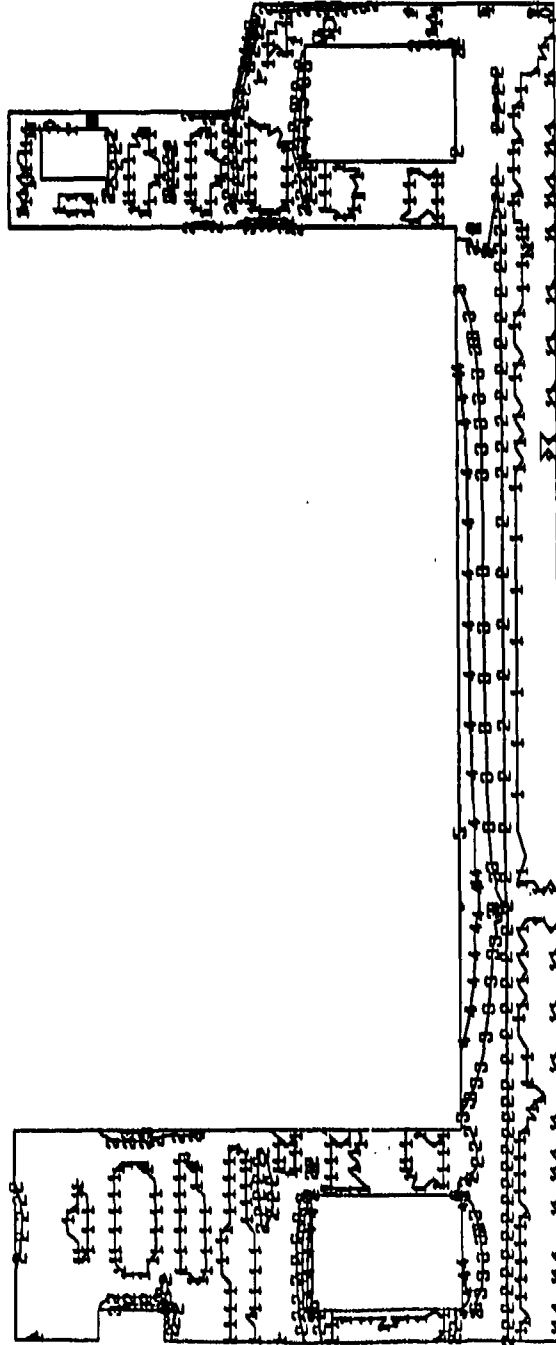
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

PRINT3
VALUE

1	+6.00E-05
2	+6.00E+01
3	+1.20E+02
4	+1.80E+02
5	+2.40E+02
6	+3.00E+02

RUN CMSTDS4
ambient temp. = 36.5 deg. F
time = 184 days



E56

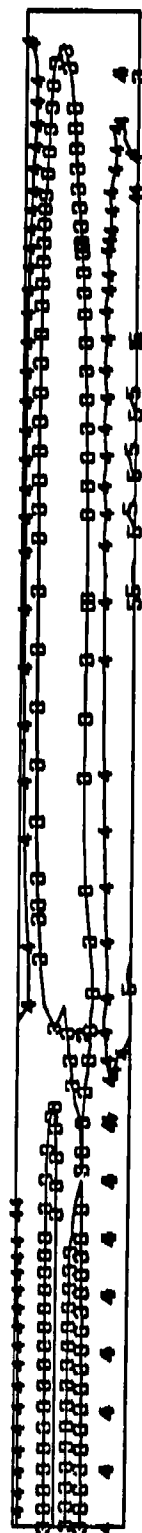
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

S:1
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.07E+01
6 +1.00E+02

RUN OMSTDS4A
ambient temp. = -79 deg. F
time = 30 days



E57

1

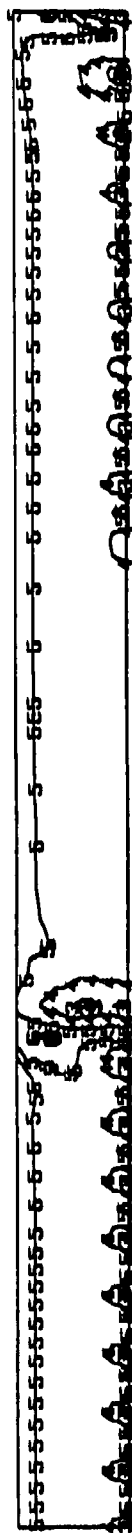
WFRAME 2-D GRID, SUMMER START,

L1_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 16 INCREMENT 10

VALUE

RUN OMSTD54A
ambient temp. = 79 deg. F
time = 30 days



L1_4

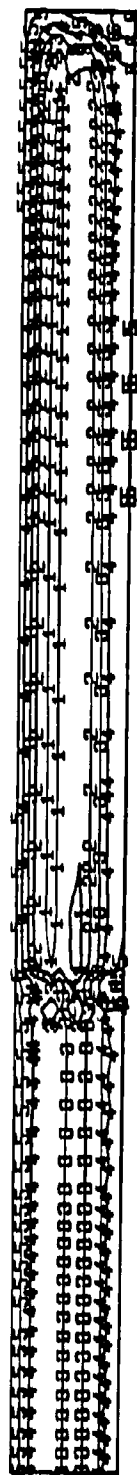
WFRAME 2-D GRID, SUMMER START,

TIME COMPLETED IN THIS STEP	+1.000E+01	TOTAL ACCUMULATED TIME	+2.950E+01	STEP 16	INCREMENT 10

E53
VALUE

1	-4.00E+01
2	-1.99E+01
3	+2.00E-05
4	+2.00E+01
5	+4.00E+01
6	+6.00E+01

RUN CMSTDS4A
ambient temp. = 79 deg. F
time = 30 days



E59

1

WFRAME 2-D GRID, SUMMER START,

L1_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 16 INCREMENT 10

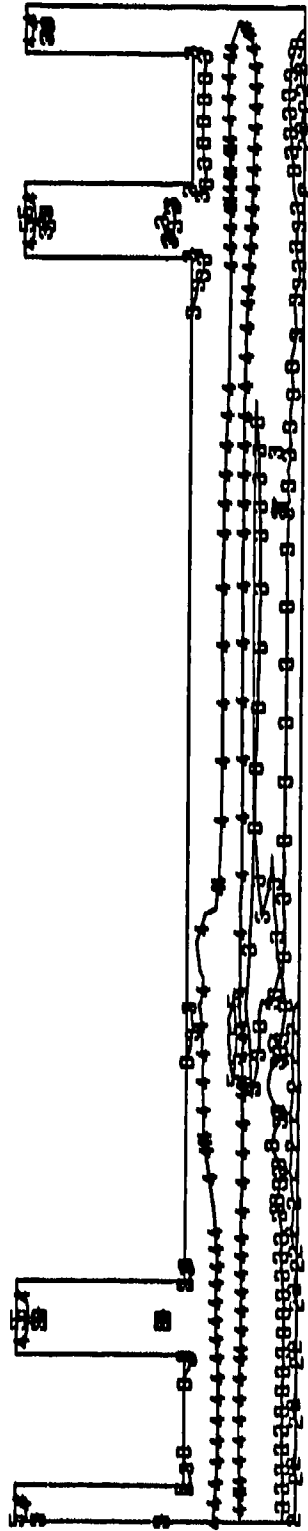
S11
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

RUN OMSTDS4A

ambient temp. = 75.7 deg. F

time = 65 days



E60

1

WFRAME 2-D GRID, SUMMER START,

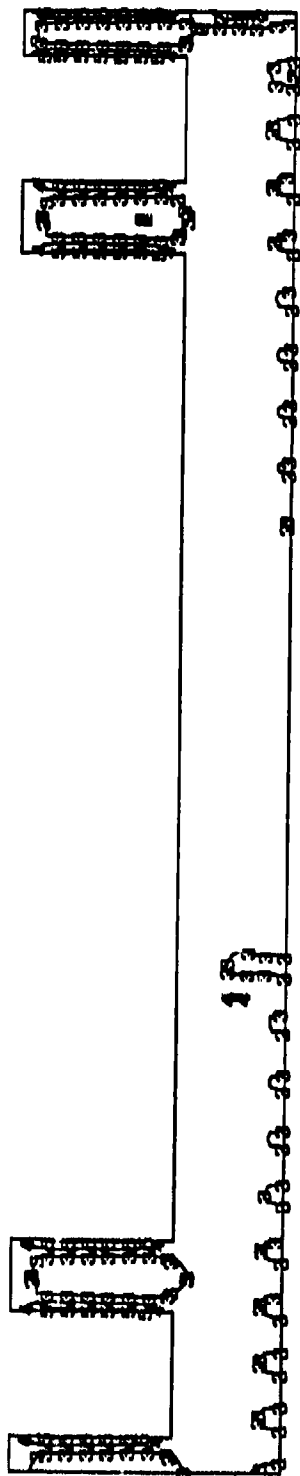
L1_8

TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

522
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS4A
ambient temp. = 75.7 deg. F
time = 65 days



E61



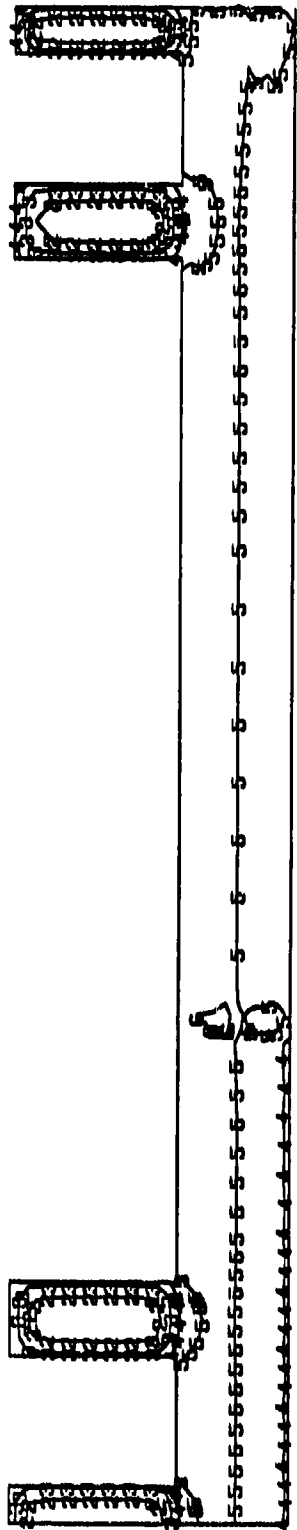
WFRAME 2-D GRID, SUMMER START, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

533
VALUE

1 -1.00E+02
2 -3.98E+01
3 +2.00E+01
4 +8.00E+01
5 +1.40E+02
6 +2.00E+02

RUN ONSTD54A
ambient temp. = 75.7 deg. F
time = 65 days



R62

1

WFRAME 2-D GRID, SUMMER START,

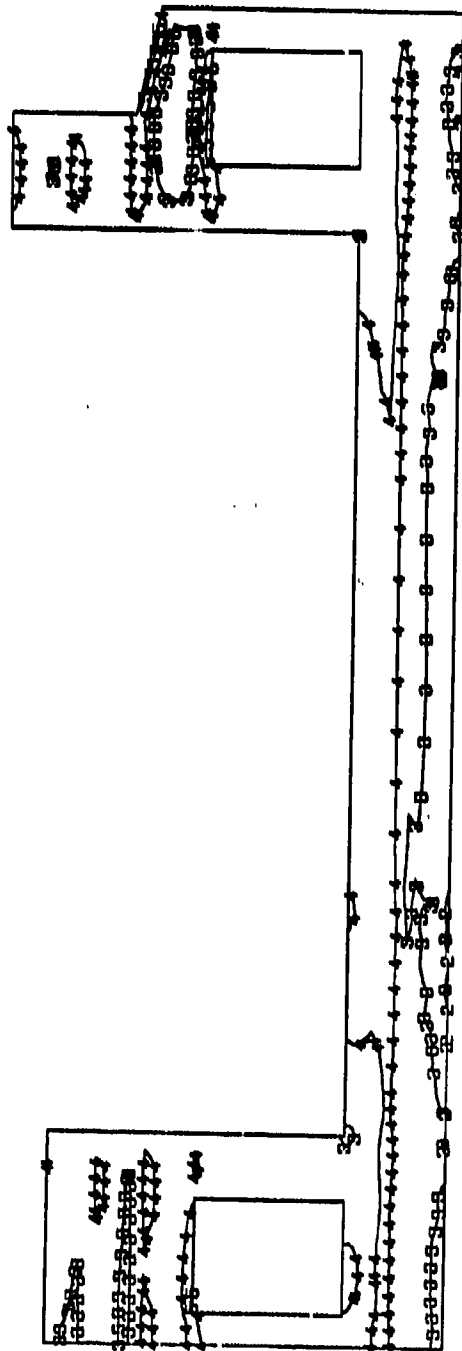
L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

S11
VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.50E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

RUN OMSTDS4A
ambient temp. = 67. deg. F
time = 95 days



E63

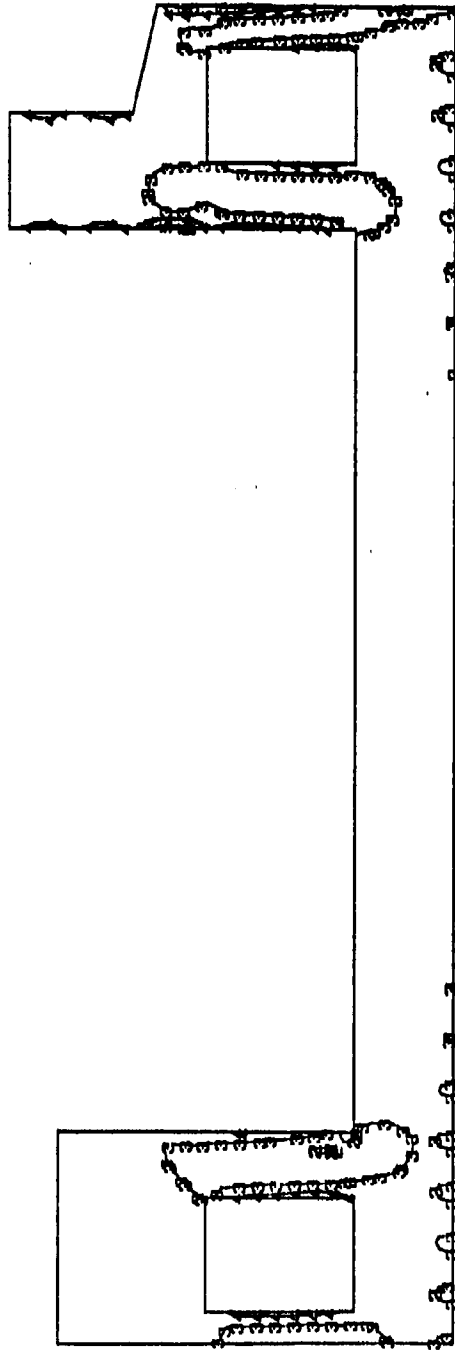
1
WFRAME 2-D GRID, SUMMER START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 STEP 59 INCREMENT 5

322
/VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.59E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

RUN OMSTDS4A
ambient temp. = 67 deg. F
time = 95 days



E64

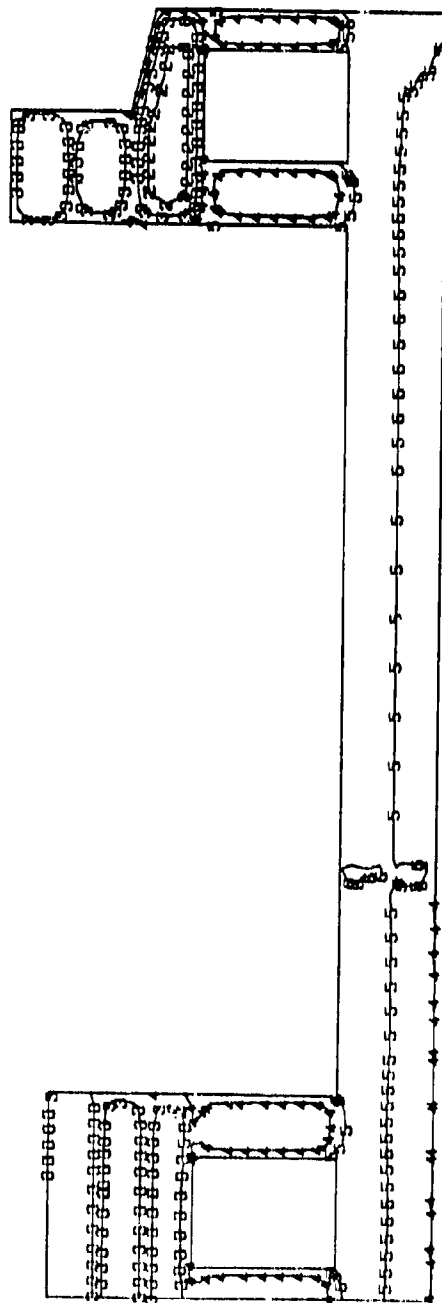
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6

33
A

1
2
3
4
5
6

RUN ONSTD54A
ambient temp. = 67 deg. F
time = 95 days



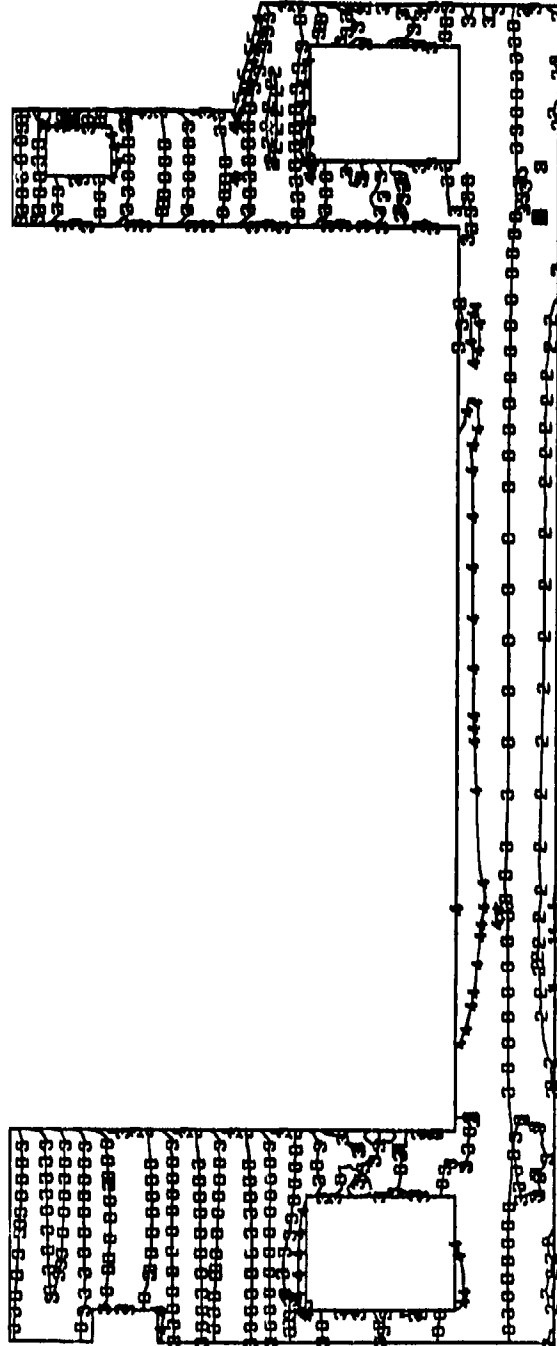
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6

S11
VALUE

1 -2.00E+02
2 -9.99E+01
3 +1.00E-04
4 +1.00E+02
5 +2.00E+02
6 +3.00E+02

RUN OMSTDS4A
ambient temp. = 58. deg. F
time = 120 days



1

WFRAME 2-D GRID, SUMMER START,

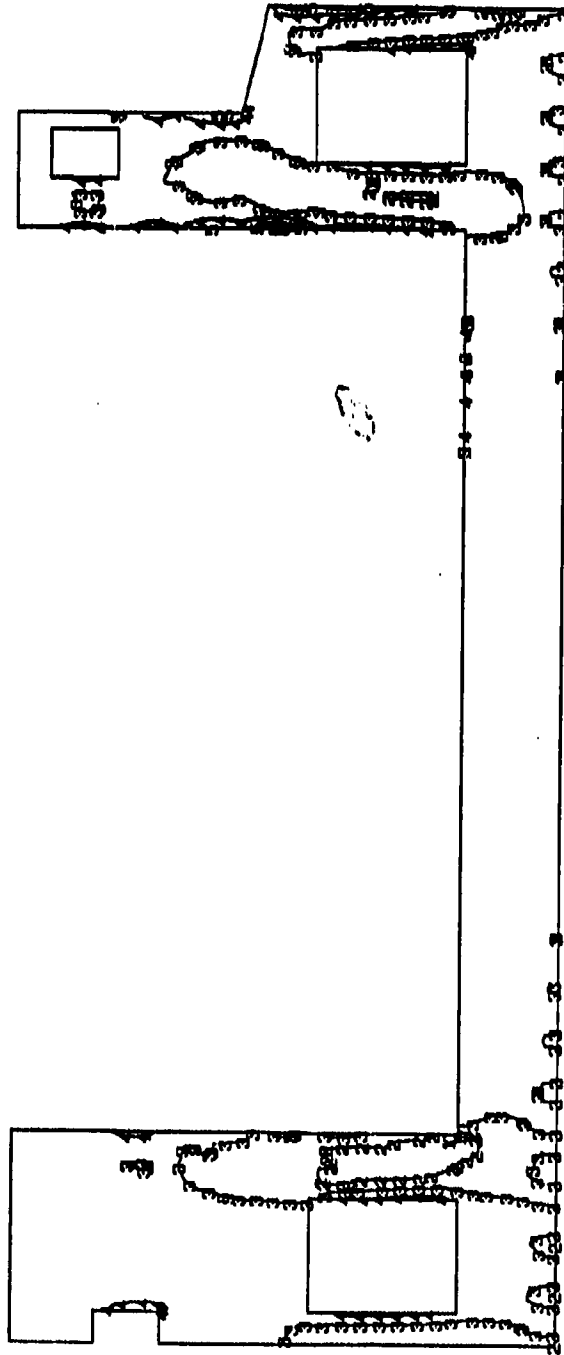
L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 # STEP 81 INCREMENT 6

S22
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN OMSTDS4A
ambient temp. = 58 deg. F
time = 120 days



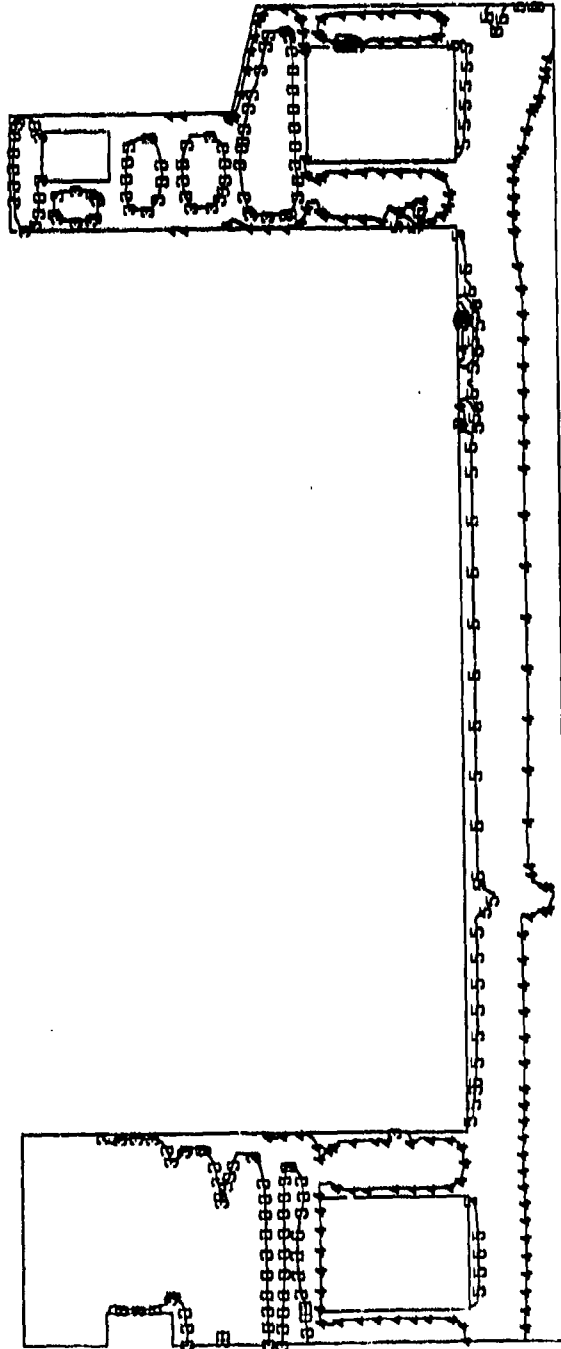
1
WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 81 INCREMENT 5

S33
VALUE

1	-3.00E+02
2	-1.15E+02
3	+6.00E+01
4	+2.40E+02
5	+4.20E+02
6	+6.00E+02

RUN OMSTDS4A
ambient temp. = 58 deg. F
time = 120 days



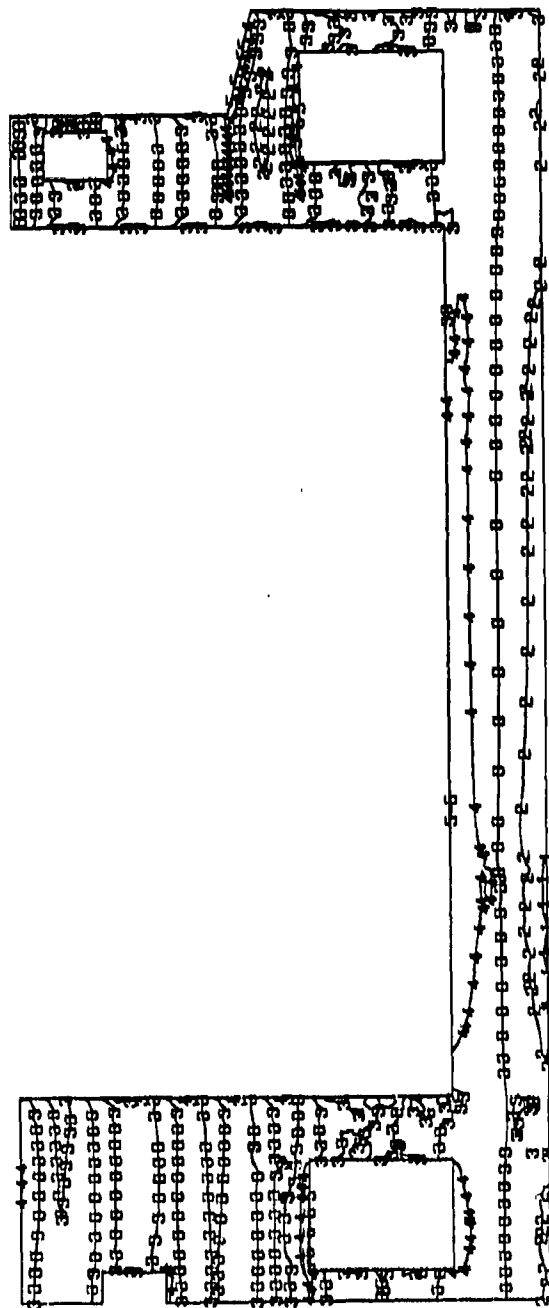
E68

WFRAME 2-D GRID, SUMMER START, L119
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 81 INCREMENT 5

S11
VALUE

1 -2.00E+02
2 -9.99E+01
3 +1.00E-04
4 +1.00E+02
5 +2.00E+02
6 +3.00E+02

RUN OMSTDS4A
ambient temp. = 52 deg. F
time = 133 days



E69

WFRAME 2-D GRID, SUMMER START.

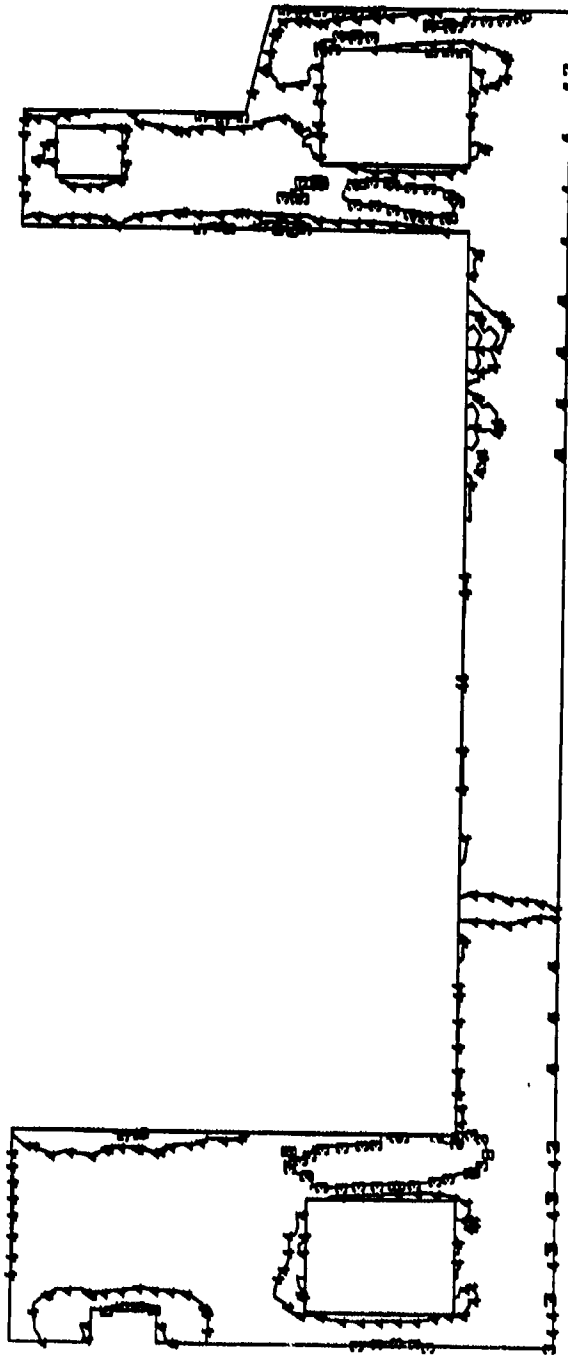
L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 52 INCREMENT 13

S22
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

RUN OMSTDS4A
ambient temp. = 52. deg. F
time = 133 days



E70

1

WFRAME 2-D GRID, SUMMER START, L119

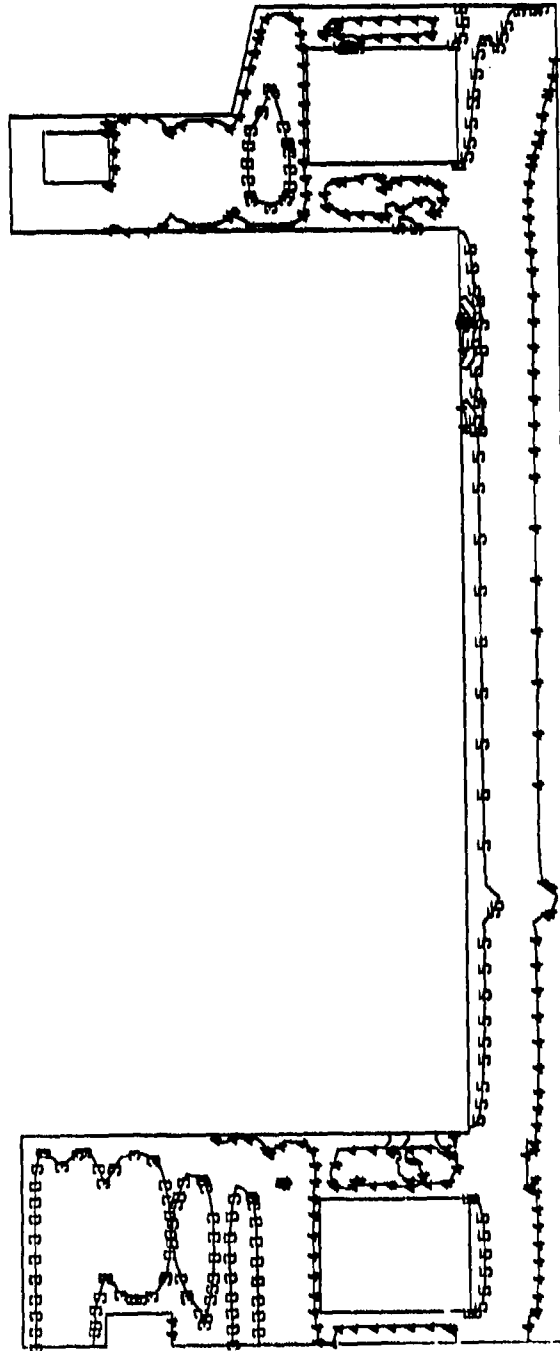
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCREMENT 13

S33
VALUE

1 -4.00E+02
2 -1.75E+02
3 +4.00E+01
4 +2.60E+02
5 +4.80E+02
6 +7.00E+02

RUN 0651DS4A

ambient temp. = 52 deg. F
time = 153 days



E71

WFRAME 2-D GRID, SUMMER START, L119

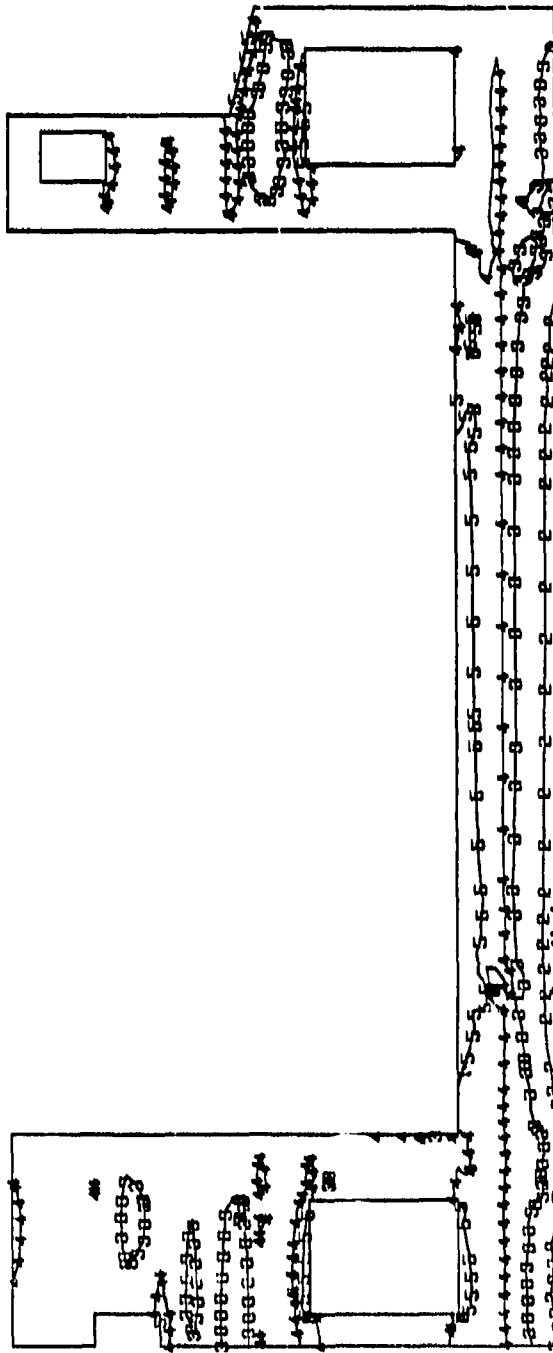
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCIDENT 13

S11

VALUE

1 -3.00E+02
2 -1.80E+02
3 -5.93E+01
4 +6.00E+01
5 +1.80E+02
6 +3.00E+02

RUN OMSTDS4A
ambient temp. = 36.5 deg. F
time = 184 days



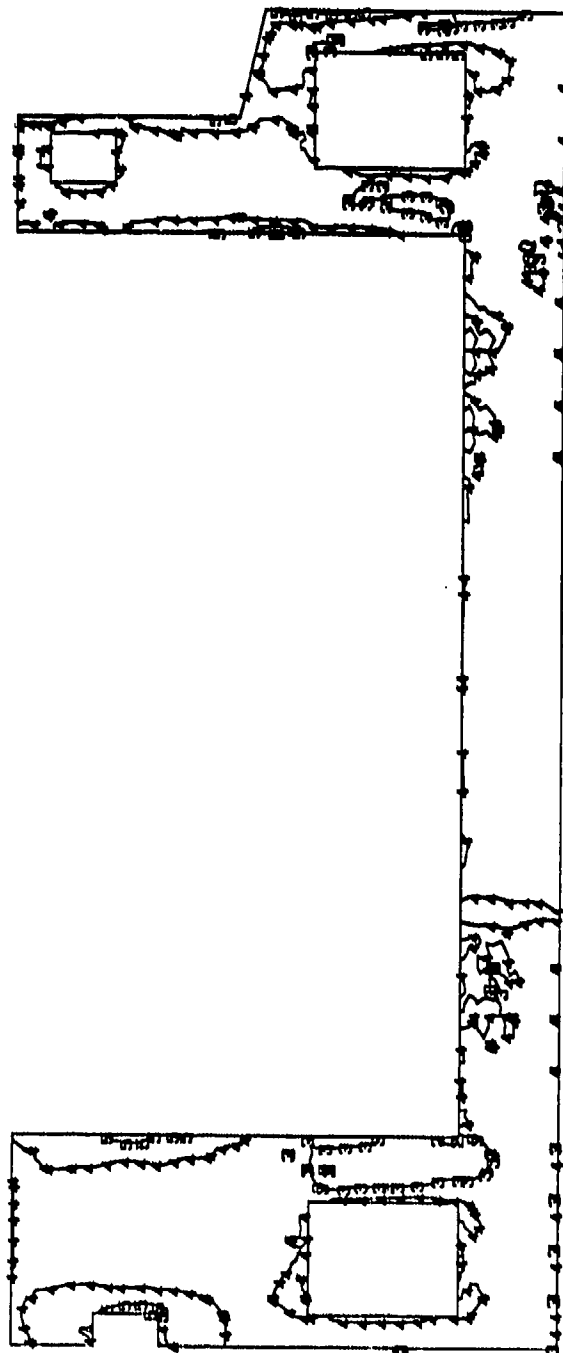
WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.865E+02 STEP 84 INCREMENT 25

S22
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

RUN OMSTDS4A
ambient temp. = 36.5 deg. F
time = 184 days



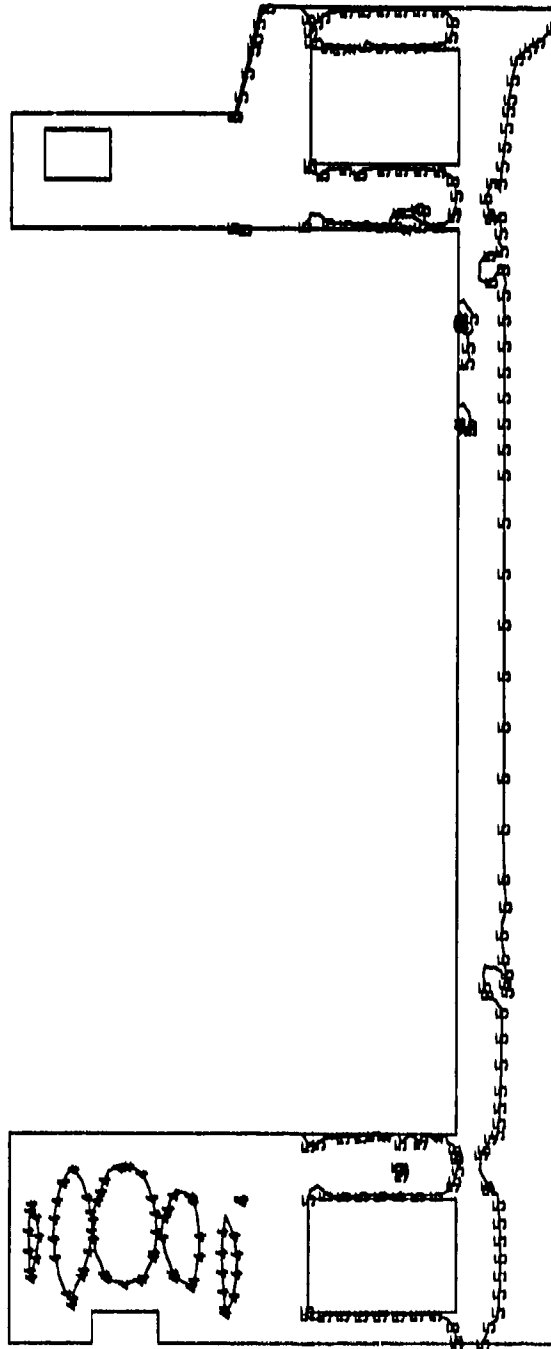
WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.855E+02 STEP 84 INCREMENT 25

S33
VALUE

1	-1.00E+03
2	-6.00E+02
3	-1.99E+02
4	+2.00E+02
5	+6.00E+02
6	+1.00E+03

RUN OMSTD54A
ambient temp. = 36.5 deg. F
time = 184 days



E74

1

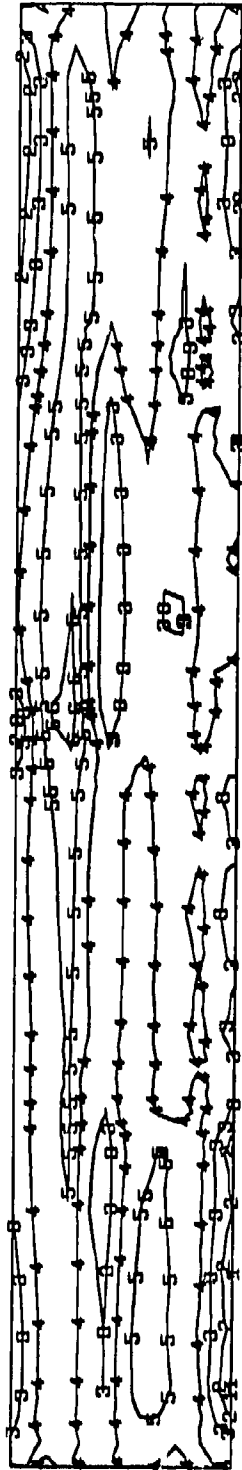
WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

S11
VALUE

1 -6.00E+01
2 -4.00E+01
3 -1.99E+01
4 +2.00E-05
5 +2.00E+01
6 +4.00E+01

RUN OMSTDS5
ambient temp. = 76 deg. F
time = 63 days



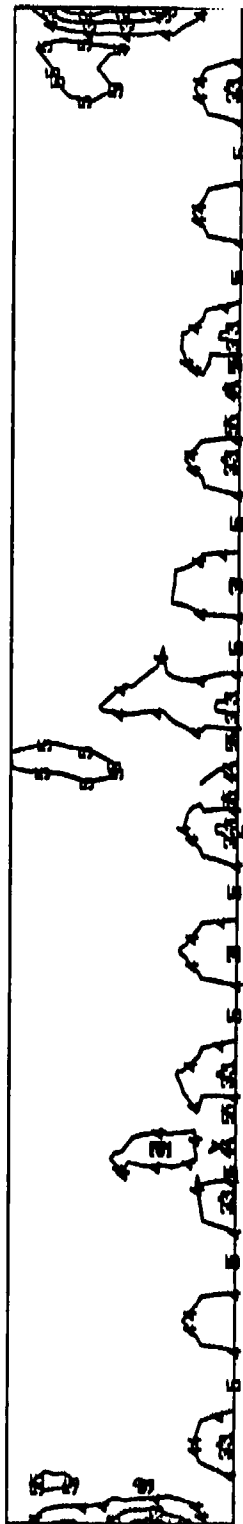
WFRAME 2-D GRID, SUMMER START, PL STAS, L17

TIME COMPLETED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +6.250E+01 STEP 28 INCREMENT 14

S22
VALUE

1	-6.00E+01
2	-4.40E+01
3	-2.80E+01
4	-1.19E+01
5	+4.00E+00
6	+2.00E+01

RUN OMSTDS5
ambient temp. = 76 deg. F
time = 63 days



E76

1

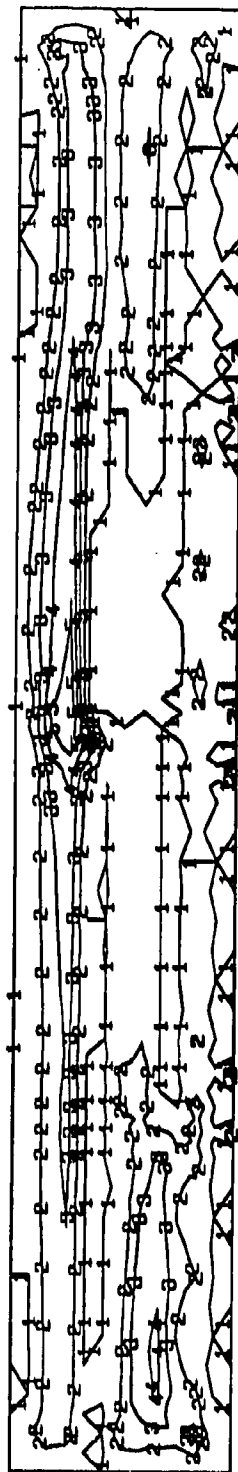
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +6.250E+01 STEP 28 INCREMENT 14

PHUNK
VALUE

1 +1.00E-05
2 +1.00E+01
3 +2.00E+01
4 +3.00E+01
5 +4.00E+01
6 +5.00E+01

RUN OMSTDS5
ambient temp. = 76 deg. F
time = 63 days



E77

1

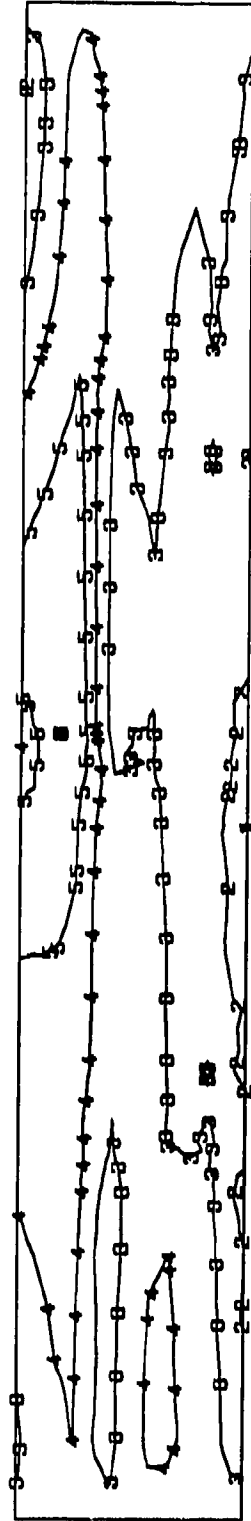
WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +5.250E+01 STEP 28 INCREMENT 14

S11
VALUE

1 -1.00E+02
2 -5.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

RUN OMSTDSS
ambient temp. = 52 deg. F
time = 133 days



E78

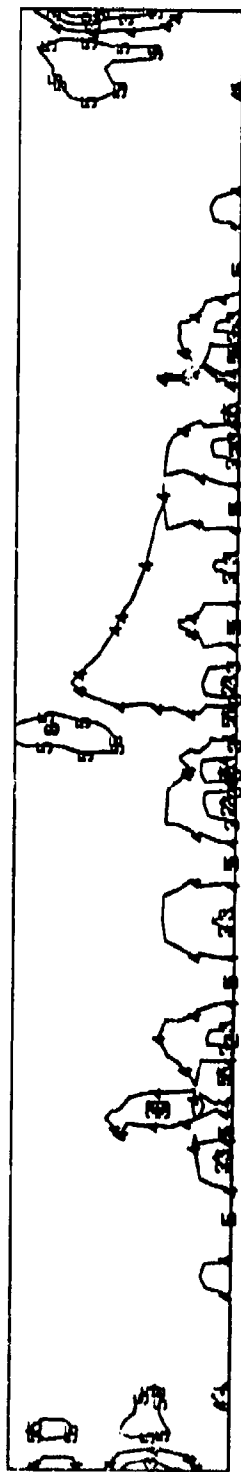
WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

S22
VALUE

1 -6.00E+01
2 -4.40E+01
3 -2.80E+01
4 -1.19E+01
5 +4.00E+00
6 +2.00E+01

RUN OMSTDSS
ambient temp. = 52 deg. F
time = 133 days



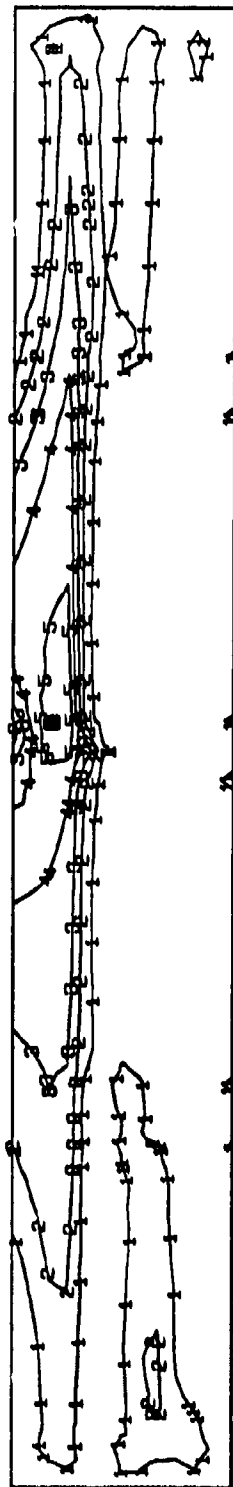
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

PRINT
VALUE

1	+1.00E+01
2	+2.80E+01
3	+4.60E+01
4	+6.40E+01
5	+8.20E+01
6	+1.00E+02

RUN OMSTDSS
ambient temp. = 52 deg. F
time = 133 days



E80

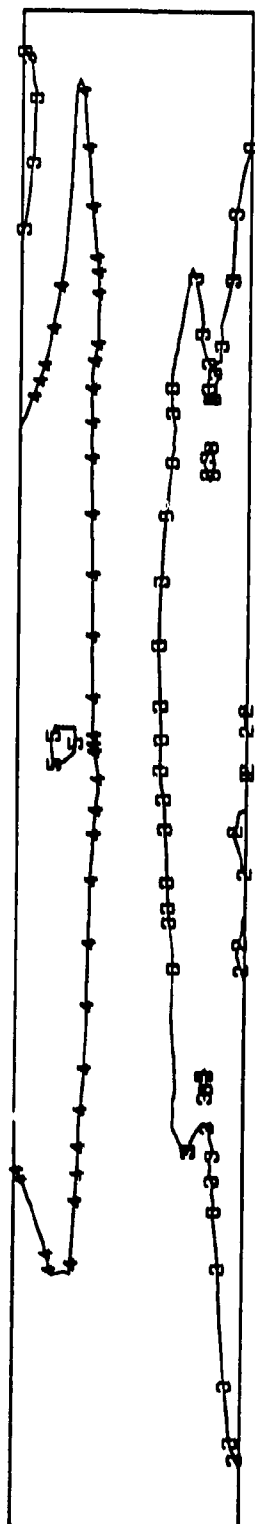
1

WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

RUN OMSTDSS
 ambient temp. = 36.5 deg. F
 time = 183 days

511
 VALUE
 1 -2.00E+02
 2 -1.20E+02
 3 -3.99E+01
 4 +4.00E+01
 5 +1.20E+02
 6 +2.00E+02



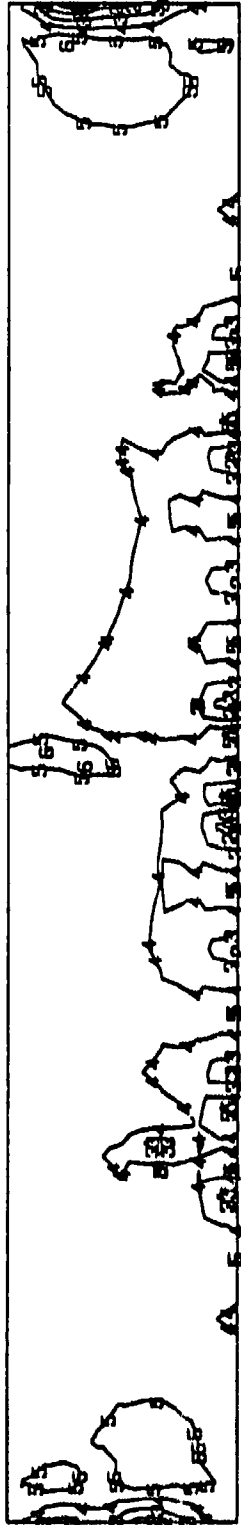
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

S22
VALUE

1	-6.00E+01
2	-4.40E+01
3	-2.80E+01
4	-1.19E+01
5	+4.00E+00
6	+2.00E+01

RUN OMSTDS5
ambient temp. = 36.5 deg. F
time = 183 days



E82

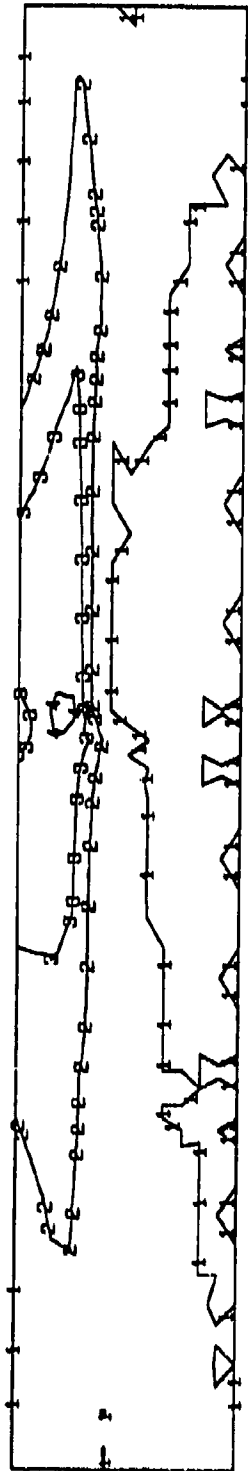
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

PRINT
VALUE

1 +4.00E-05
2 +4.00E+01
3 +8.00E+01
4 +1.20E+02
5 +1.60E+02
6 +2.00E+02

RUN ONSTD55
ambient temp. = 36.5 deg. F
time = 183 days



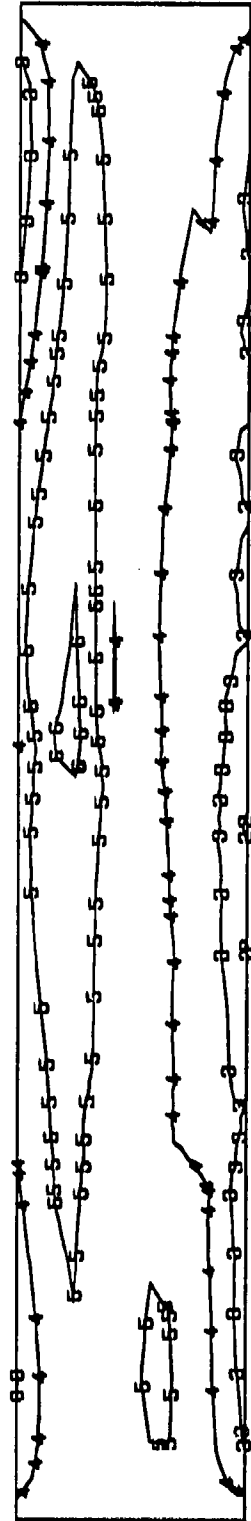
WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

S11
VALUE

1 -2.00E+02
2 -1.40E+02
3 -8.00E+01
4 -1.99E+01
5 +4.00E+01
6 +1.00E+02

RUN OMSTDS5
ambient temp. = 36 deg. F
time = 233 days



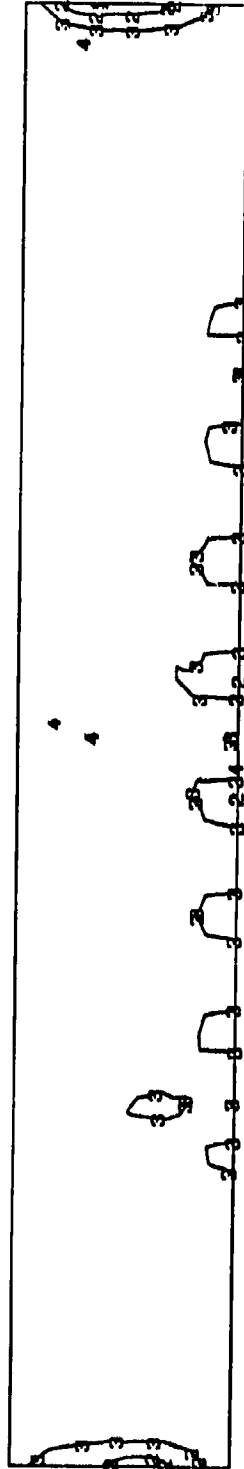
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

522
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS5
ambient temp. = 36 deg. F
time = 233 days



E85

1

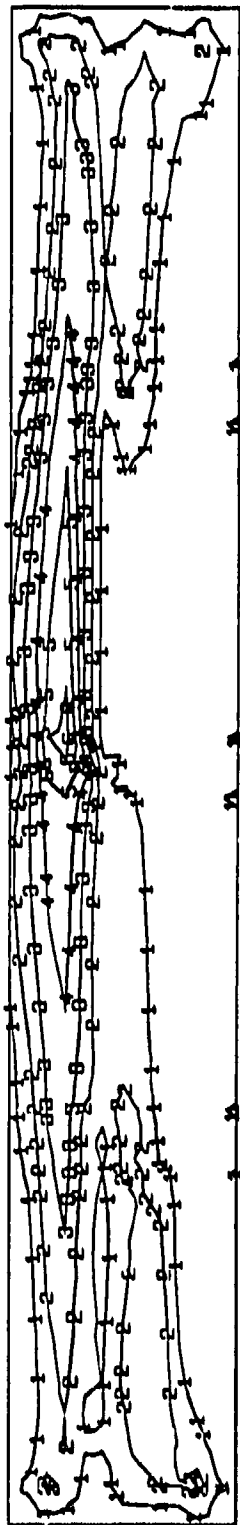
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

PRINT
VALUE

1 +1.00E+01
2 +3.00E+01
3 +5.00E+01
4 +7.00E+01
5 +3.00E+01
6 +1.10E+02

RUN OMSTDS5
ambient temp. = 36 deg. F
time = 233 days



E86

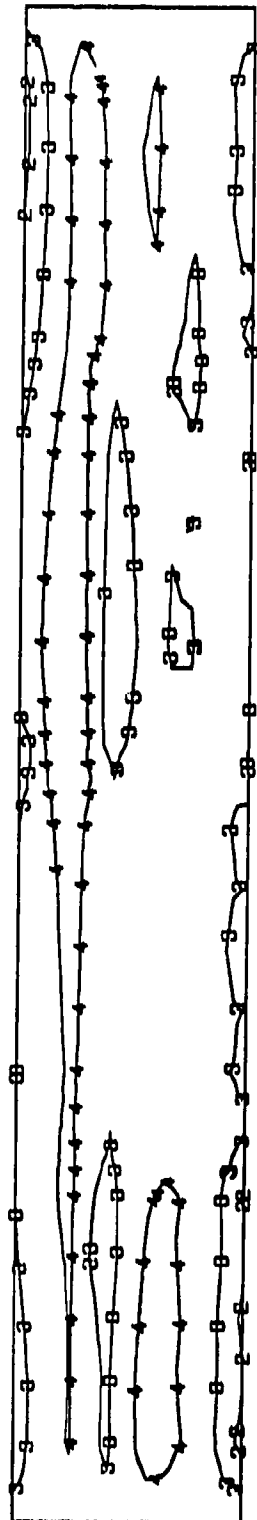
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

S11
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDSSA
ambient temp. = 76 deg. F
time = 63 days



1

WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +6.250E+01 STEP 28 INCREMENT 14

B22
VALUE

1	-6.00E+01
2	-4.40E+01
3	-2.80E+01
4	-1.19E+01
5	+4.00E+00
6	+2.00E+01

RUN OMSTDSS5A
ambient temp. = 76 deg. F
time = 63 days



E88

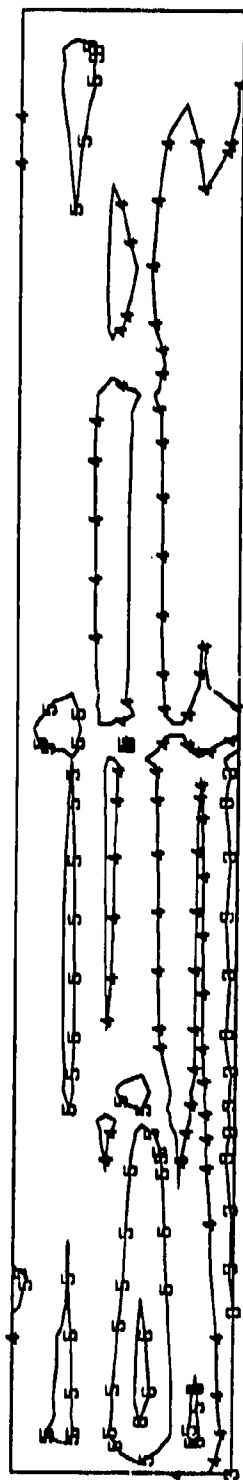
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +6.250E+01 STEP 28 INCREMENT 14

S33
VALUE

1 +4.00E-05
2 +4.00E+01
3 +8.00E+01
4 +1.20E+02
5 +1.60E+02
6 +2.00E+02

RUN OMSTDS5A
ambient temp. = 76 deg. F
time = 63 days



E89

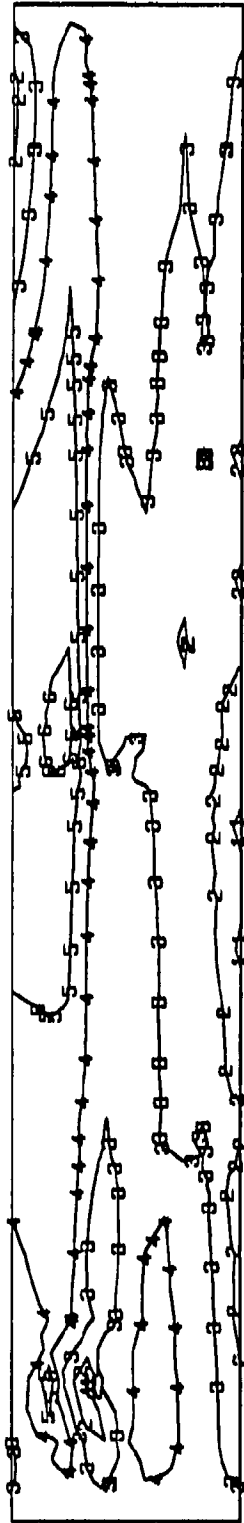
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME CONVERGED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +5.250E+01 STEP 28 INCREMENT 14

S11
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

RUN OMSTDS5A
ambient temp. = 52 deg. F
time = 133 days



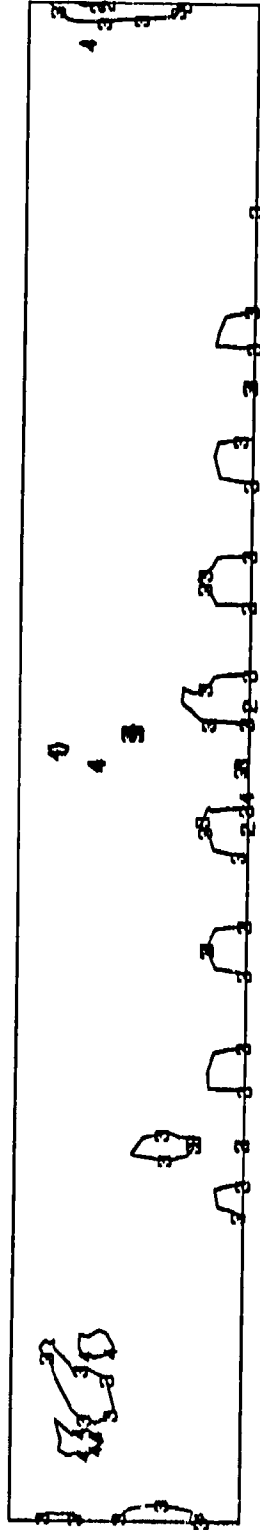
WFRAME 2-D GRID, SUMMER START, PL STRS. L1.7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

S22
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

RUN OMSTDS5A
ambient temp. = 52 deg. F
time = 133 days



E91

1

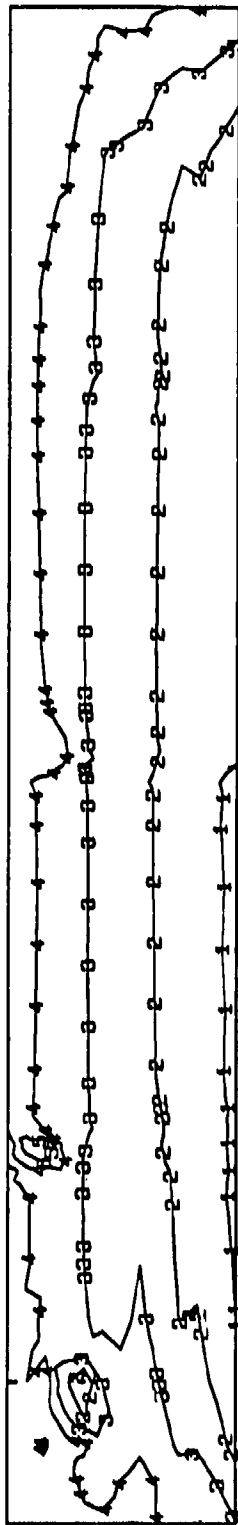
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

533
VALUE

1 +2.00E+02
2 +3.00E+02
3 +4.00E+02
4 +5.00E+02
5 +6.00E+02
6 +7.00E+02

RUN OMSTDS5A
ambient temp. = 52 deg. F
time = 133 days



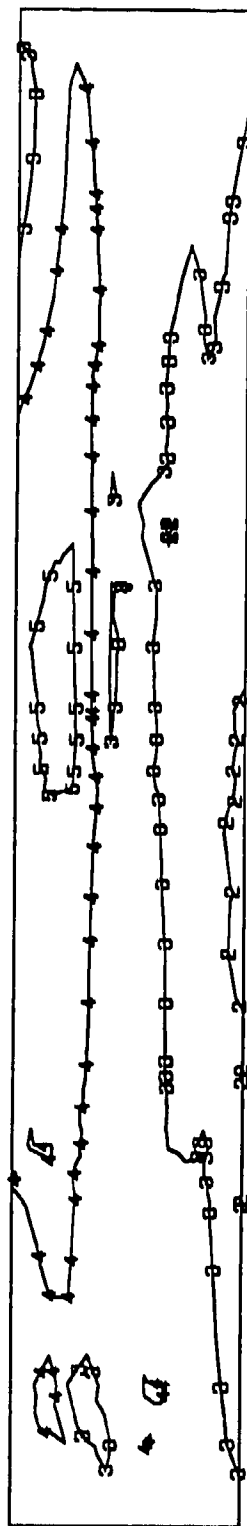
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

S11
VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.99E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

RUN OMSTD55A
ambient temp. = 36.5 deg. F
time = 183 days



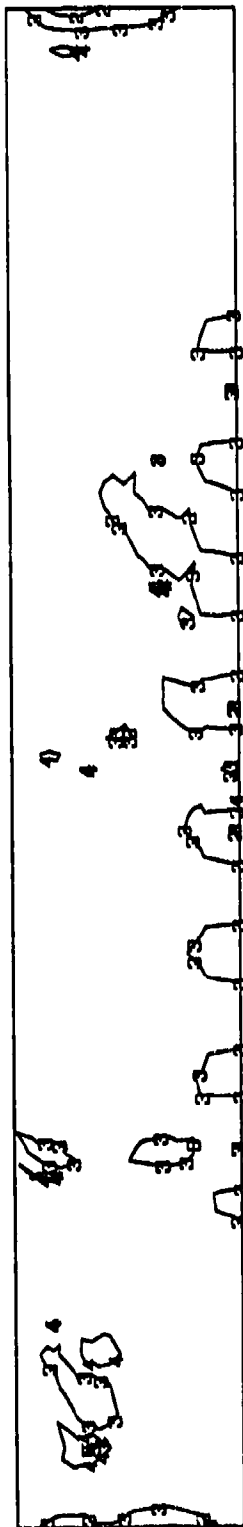
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

522
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

RUN OMSTDSSA
ambient temp. = 36.5 deg. F
time = 163 days



E94

1

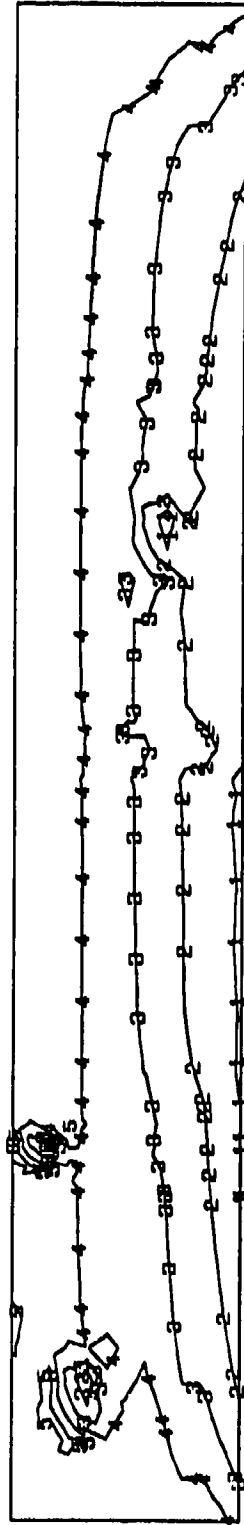
WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

533
VALUE

1 +3.00E+02
2 +4.20E+02
3 +5.40E+02
4 +6.60E+02
5 +7.80E+02
6 +9.00E+02

RUN OMSTDS5A
ambient temp. =36.5 deg. F
time = 183 days



1

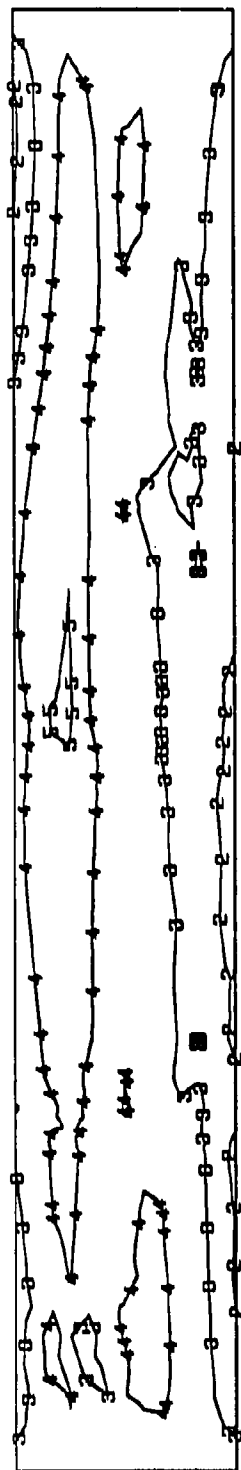
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

S11
VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.99E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

RUN OMSTDSSA
ambient temp. = 36 deg. F
time = 233 days



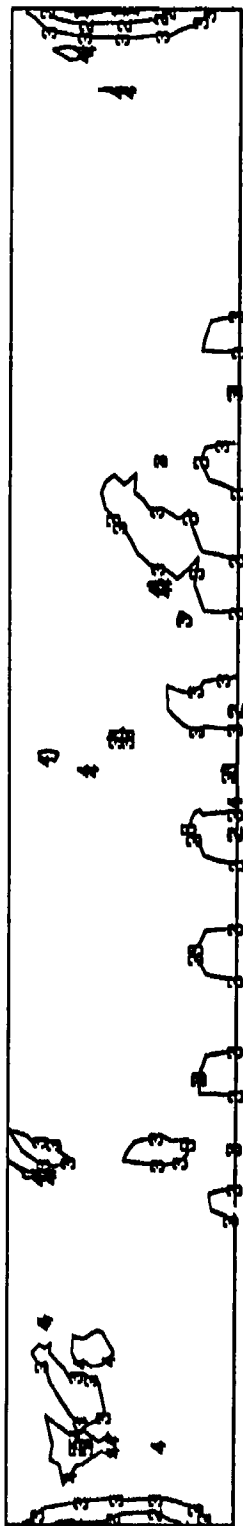
1
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

B22
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

RUN OMSTDS5A
ambient temp. = 36 deg. F
time = 233 days



1

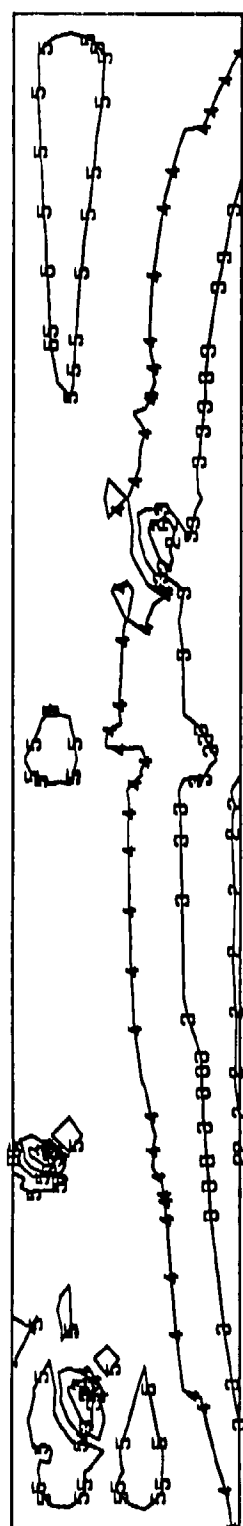
WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

ES3
VALUE

- 1 +3.00E+02
- 2 +4.20E+02
- 3 +5.40E+02
- 4 +6.60E+02
- 5 +7.80E+02
- 6 +9.00E+02

RUN OMSTDSSA
ambient temp. = 36 deg. F
time = 233 days



E98

1

WFRAME 2-D GRID, SUMMER START, PL STRS, L1_7

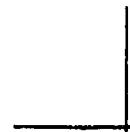
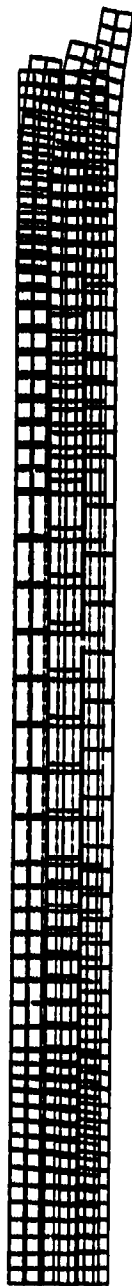
TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

APPENDIX F: MIXTURE 11, 2-D DISPLACEMENT PLOTS

U

MAG. FACTOR = +8.2E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN OMSTDS1A
time = 30 days

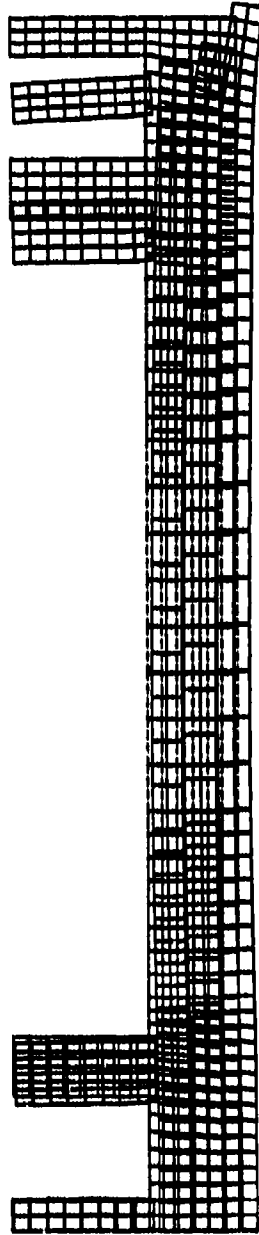


WFRAME 2-D GRID, SUMMER START, PL STRN, L1_3

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.950E+01 STEP 14 INCREMENT 5

U
MAG. FACTOR = +9.4E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN OMSTD51A
time = 65 days



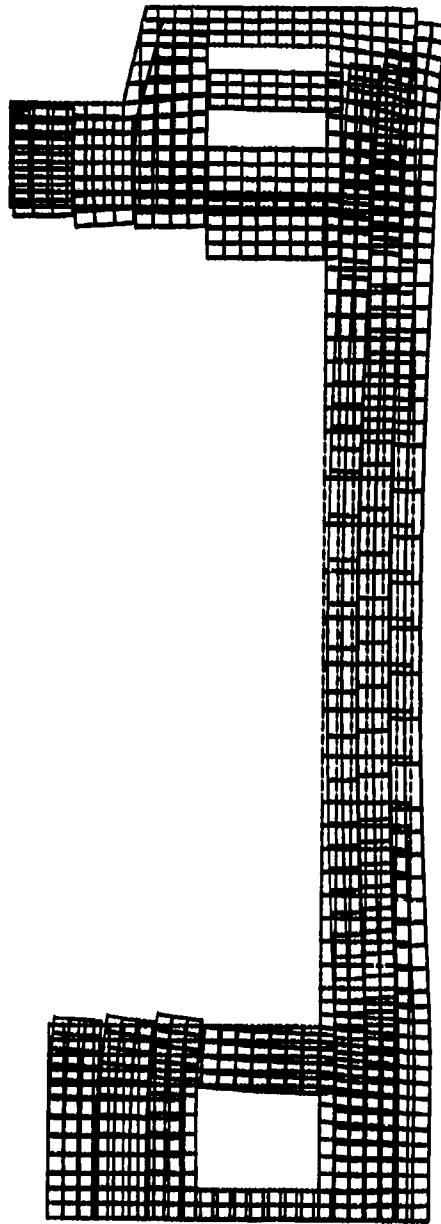
1

WFRAME 2-D GRID, SUMMER START, PL STN, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT IS

U
MAG. FACTOR = +6.8E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN OMSTD51A
time = 95 days

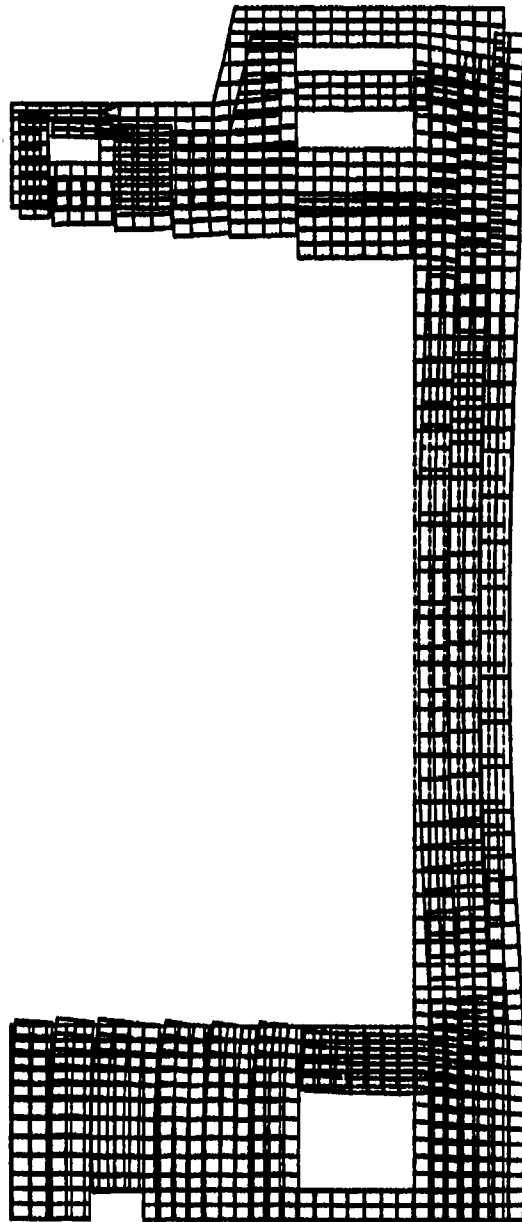


WFRAME 2-D GRID, SUMMER START, PL STRN, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 57 INCREMENT 8

U
MAG. FACTOR = +4.9E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN OMSTD51A
time = 120 days



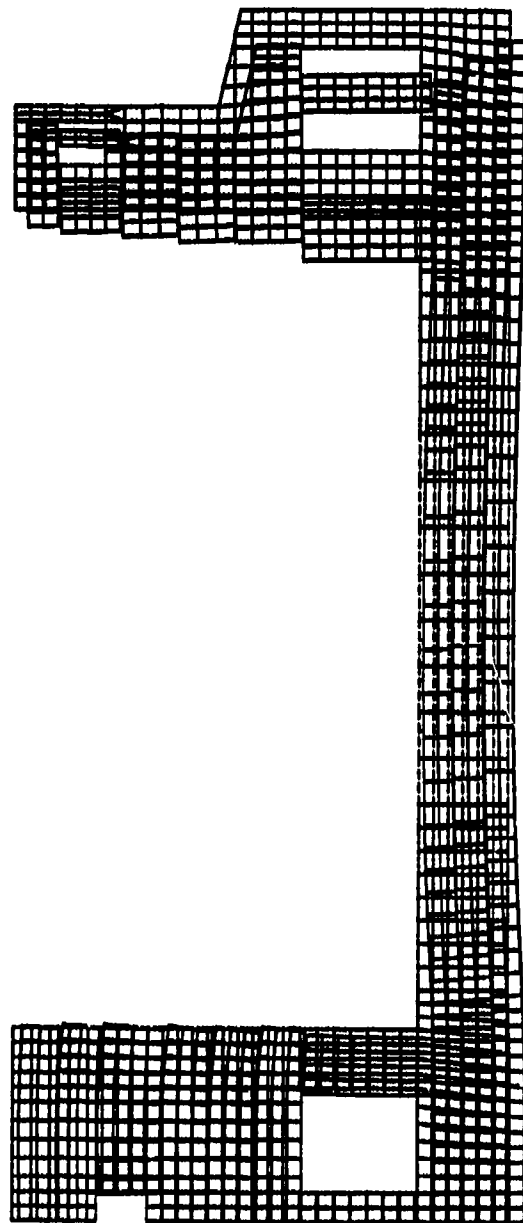
F6

1
WFRAME 2-D GRID, SUMMER START, PL STRN, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 8 STEP 78 INCREMENT 8

U
MAG. FACTOR = +4.2E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN OMSTDSIA
time = 133 days



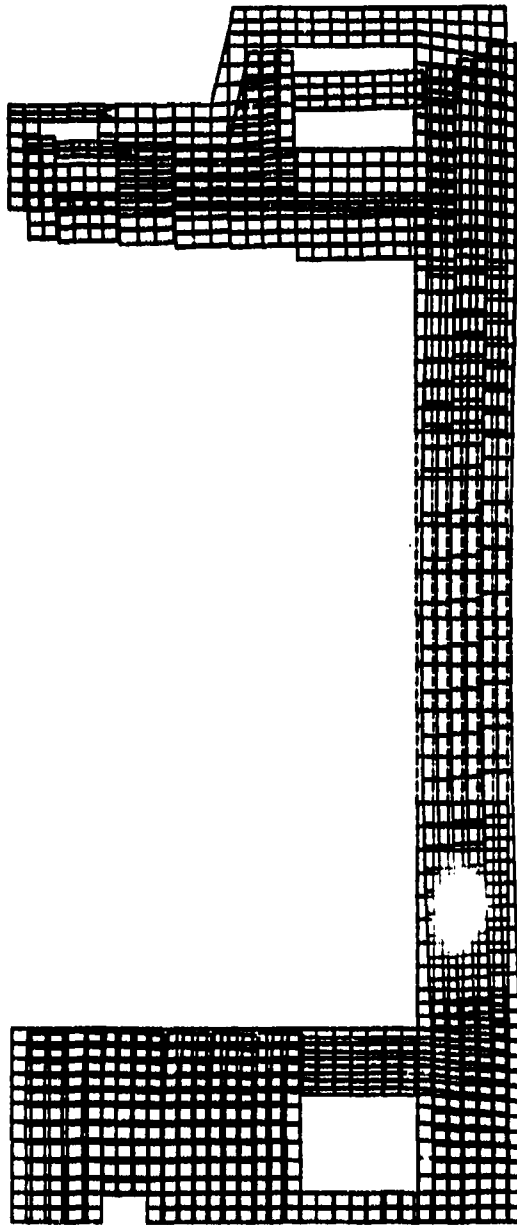
F7

WFRAME 2-D GRID, SUMMER START, PL STRN, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.328E+02 # STEP 80 INCREMENT 13

U
MAG. FACTOR = +3.1E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN ONSTD51A
time = 170 days

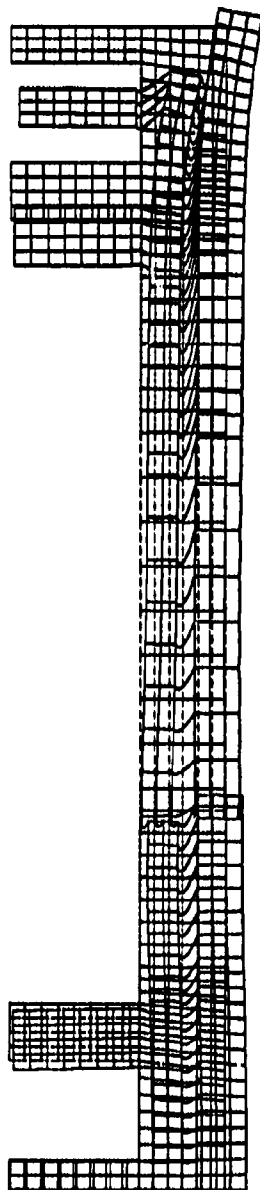


1
WFRAME 2-D GRID, SUMMER START, PL STRN, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.688E+02 STEP 61 INCREMENT 37

U
MAG. FACTOR = $+1.1E+03$
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

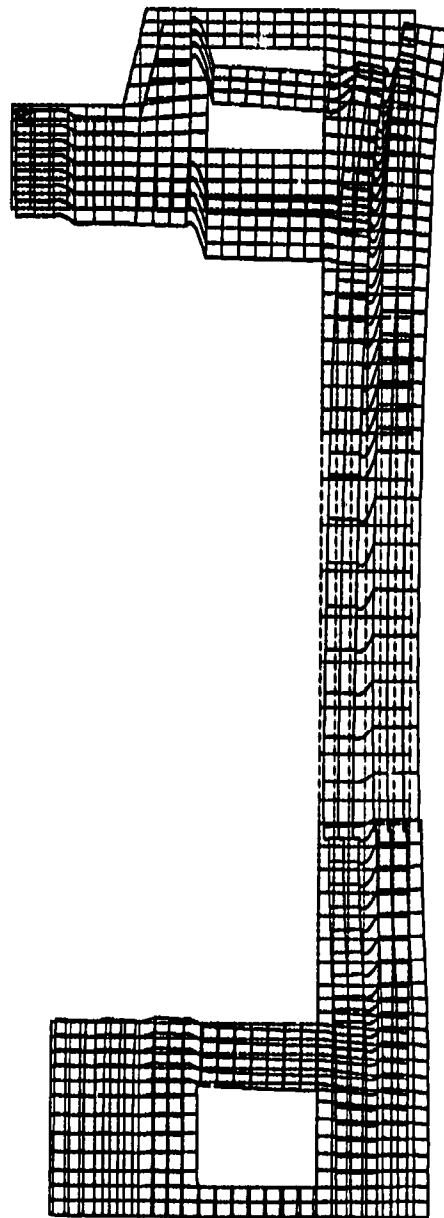
RUN OMSTD84A
time = 65 days



1
WFRAME 2-D GRID, SUMMER START, L1_8
TIME COMPLETED IN THIS STEP $+1.500E+01$ TOTAL ACCUMULATED TIME $+6.450E+01$ STEP 33 INCREMENT 15

U
MAG. FACTOR = +7.0E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN ONSTD54A
time = 95 days



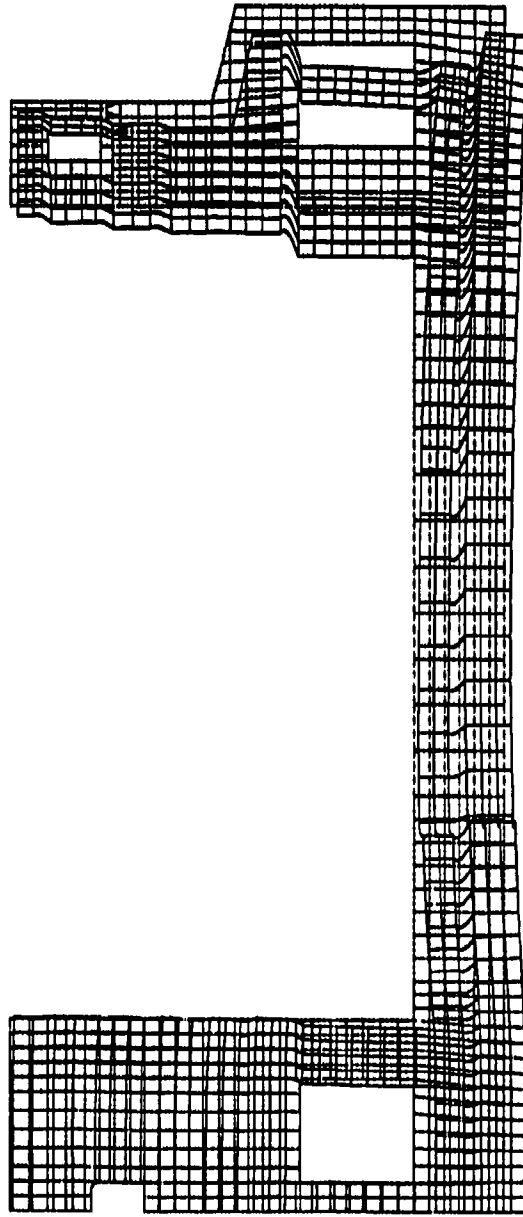
F10

WFRAME 2-D GRID, SUMMER START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 69 INCREMENT 5

U
MAG. FACTOR = +5.2E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN OMSTDS4A
time = 120 days



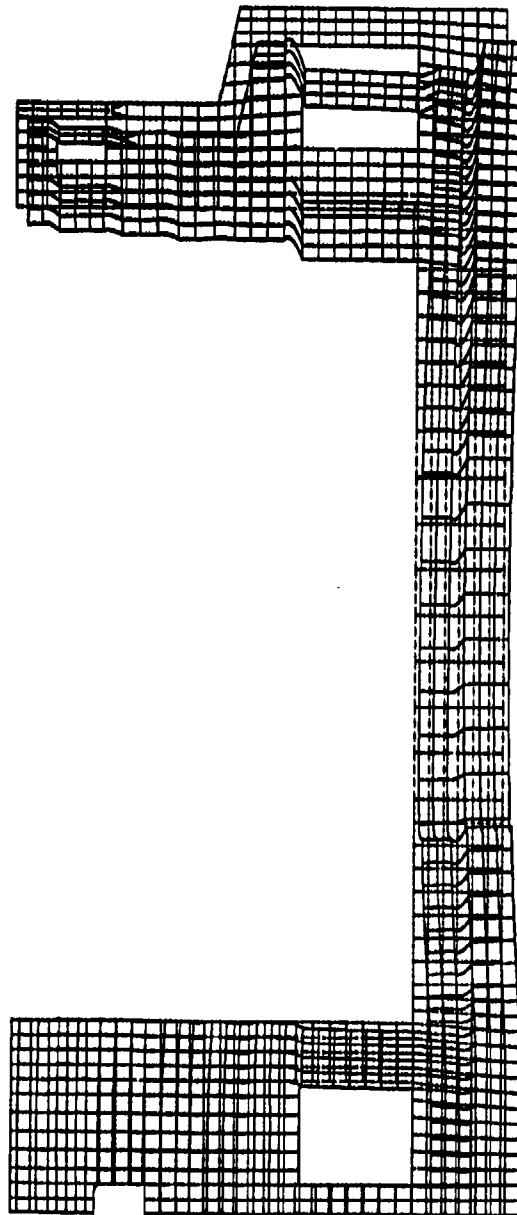
F11

WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.156E+02 STEP 81 INCREMENT 6

U
MAG. FACTOR = $+4.6E+02$
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN CMSTDS4A
time = 133 days

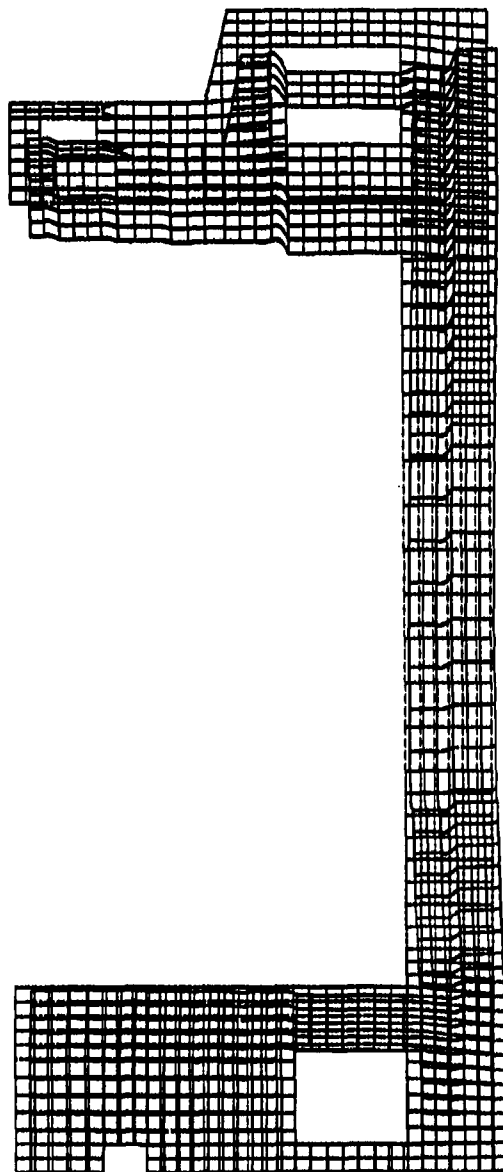


WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP $+1.300E+01$ TOTAL ACCUMULATED TIME $+1.325E+02$ STEP 82 INCREMENT 13

U
MAG. FACTOR = +3.0E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

RUN 08STD54A
time = 184 days



WFRAME 2-D GRID, SUMMER START, L119

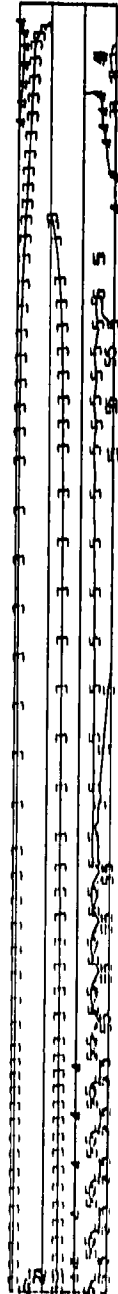
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.833E+02 STEP 84 INCREMENT 25

APPENDIX G: MIXTURE 6, 2-D STRESS CONTOUR PLOTS

11
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.50E+01
4 +2.00E+01
5 +5.00E+01
6 -1.00E+02

G3



1
OLMSTED. STRIP METHOD. JUNE 20 START. PL STRS. L1_3
TIME COMPLETED TO THIS STEP 16.00E+00 TOTAL ACCUMULATED TIME +2.050E+01 STEP 14 INCREMENT 5

22
VALUE

1	-5.00E+01
2	-3.80E+01
3	-2.60E+01
4	-1.40E+01
5	-1.99E+00
6	+1.00E+01

三	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五

PRIME	VALUE
1	+1.40E-05
2	+1.40E-01
3	+2.80E-01
4	+4.20E-01
5	+5.60E-01
6	+7.00E-01

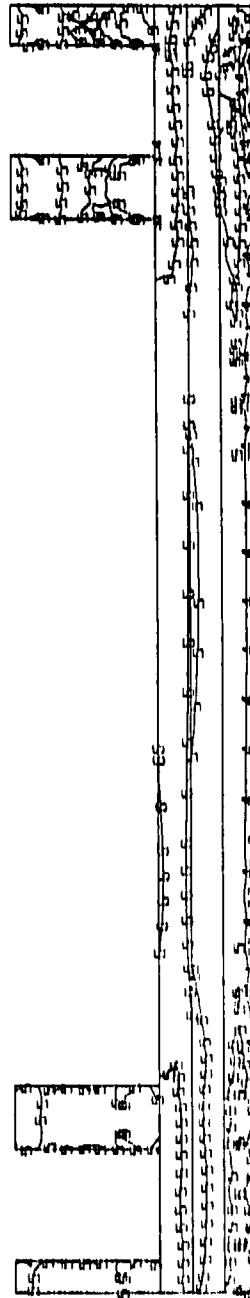


1
OLMSTED. STRIP METHOD. JUNE 20 START. PL STRS. L1_3
TIME COMPLETED IN THIS STEP -5 000E+00 TOTAL ACCUMULATED TIME +2.950E+01 # STEP 14 INCREMENT 5

S11
VALUE

1	-8.00E+01
2	-5.00E+01
3	-4.00E+01
4	-1.99E+01
5	+2.00E-05
5	+2.00E+01

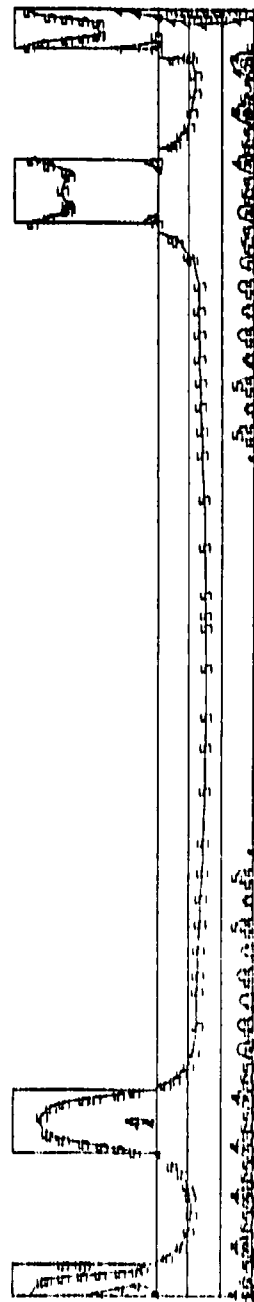
G6



1
OLMSTED. STRIP METHOD. JUNE 20 START. PL SIRS. L1_8
THE COMPLETED IN THIS STEP +1 500E+01 TOTAL ACCUMULATED TIME +6 450E+01 9 STEP 31 INCREMENT 15

S22
VALUE

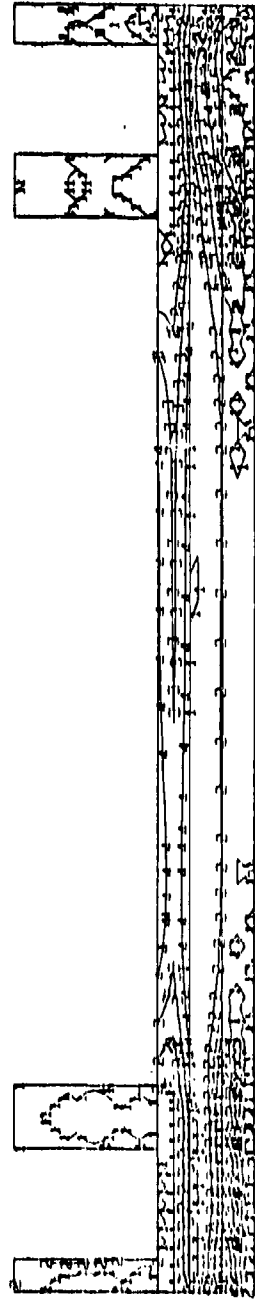
1	-7.00E+01
2	-5.40E+01
3	-3.80E+01
4	-2.20E+01
5	-5.99E+00
6	+1.00E+01



1
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS. L1_8
TIME CALCULATED IN THIS STEP: 45.450E+01 H TOTAL ACCUMULATED TIME: 45.450E+01 H STEP 31 INCREMENT 15

TIME
VALUE

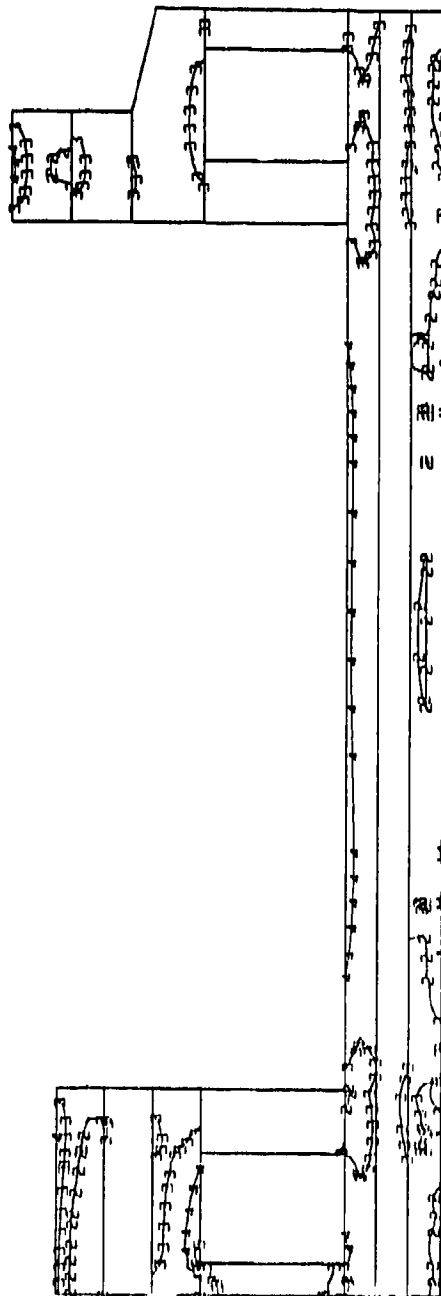
1	+6.00E-06
2	+6.00E+00
3	+1.20E+01
4	+1.60E+01
5	+2.40E+01
6	+3.00E+01



1
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS. L1_8
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.450E+01 S STEP 31 INCREMENT 15

311
VALUE

1 -1.00E+02
2 -3.99E+01
3 +2.00E+01
4 +8.30E+01
5 +1.40E+02
6 +2.00E+02

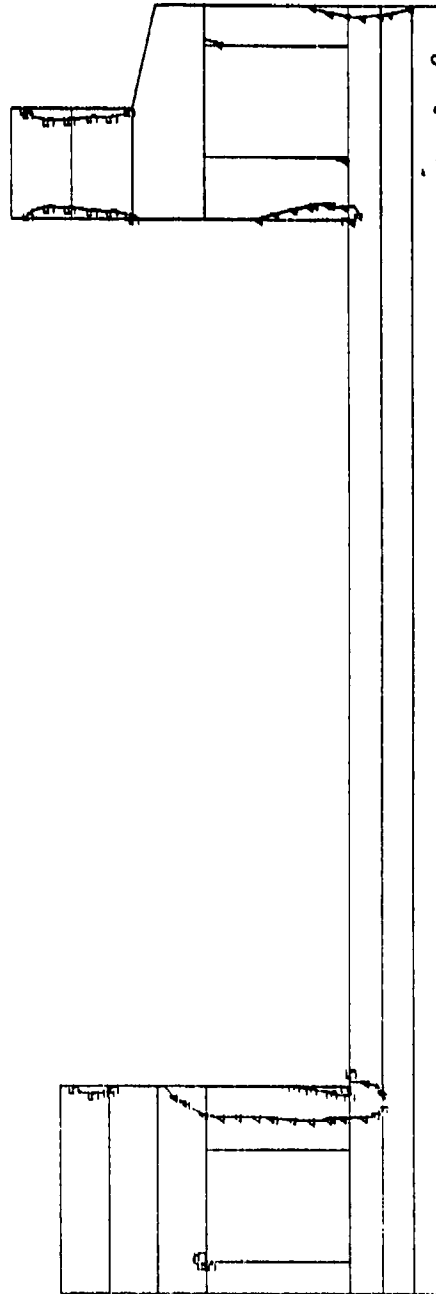


OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L114

TIME CORRECTED BY THIS STEP IS ADJUSTED TOTAL ACCUMULATED TIME IS 9.550E+01 S STEP 57 INCREMENT 6

S22
VALUE

1	-3 00E+02
2	-2 20E+02
3	-1 40E+02
4	-5 99E+01
5	+2 00E+01
6	+1 00E+02

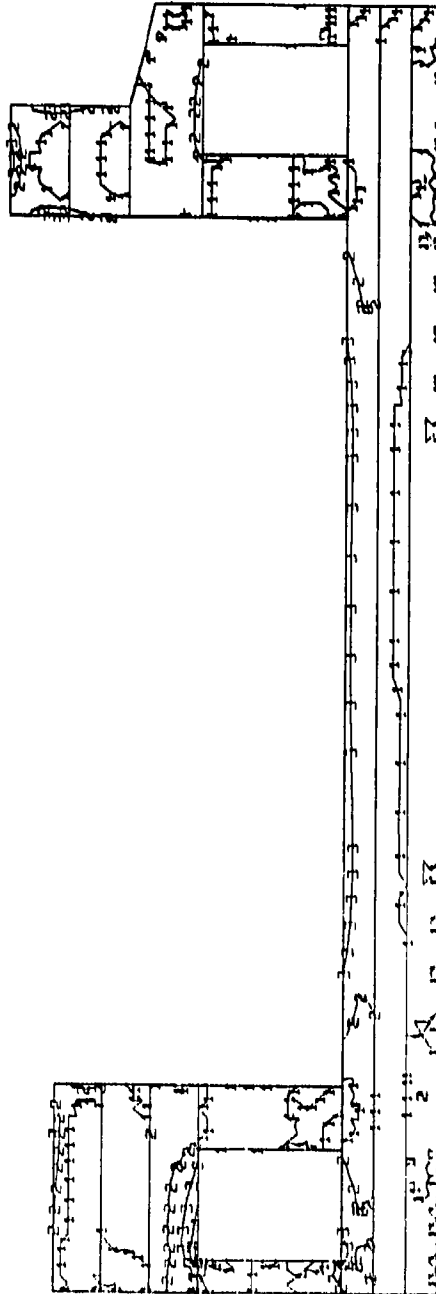


G10

1
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L114
TIME COMPLETED IN THIS STEP 42 00E+00 TOTAL ACCUMULATED TIME 43 250E+01 S STEP 57 INCREMENT 6

PRINT
VALUE

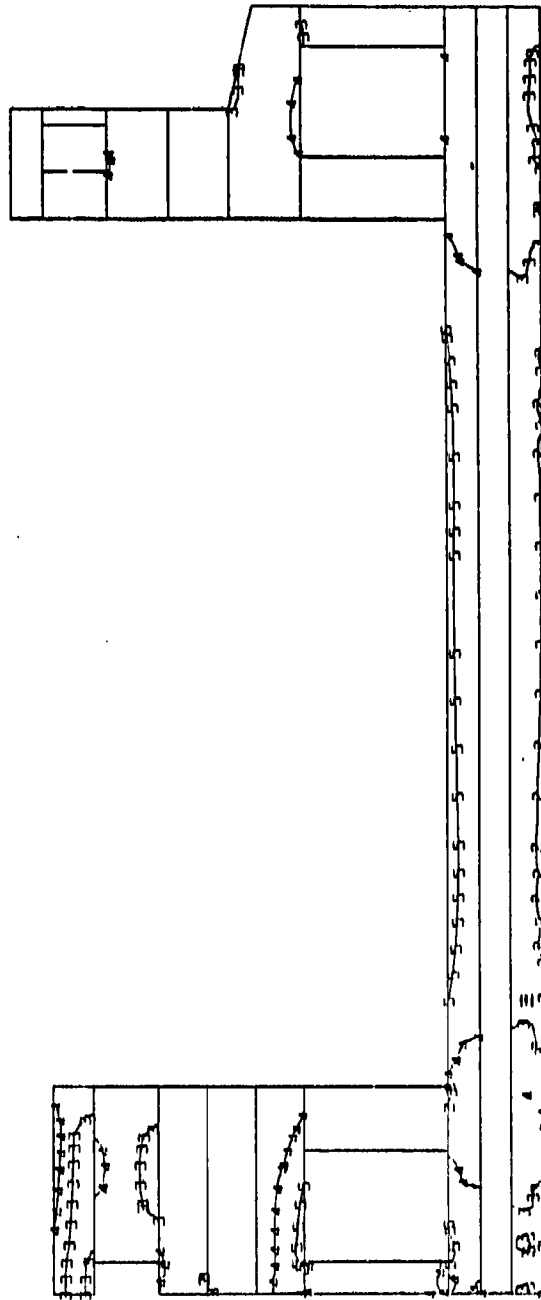
1	+4.00E-05
2	+4.00E+01
3	+9.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02



OLMSTED, STRIP METHOD. JUNE 20 START, PL SIRS, L114
TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +9.45E+01 STEP 57 INCREMENT 5

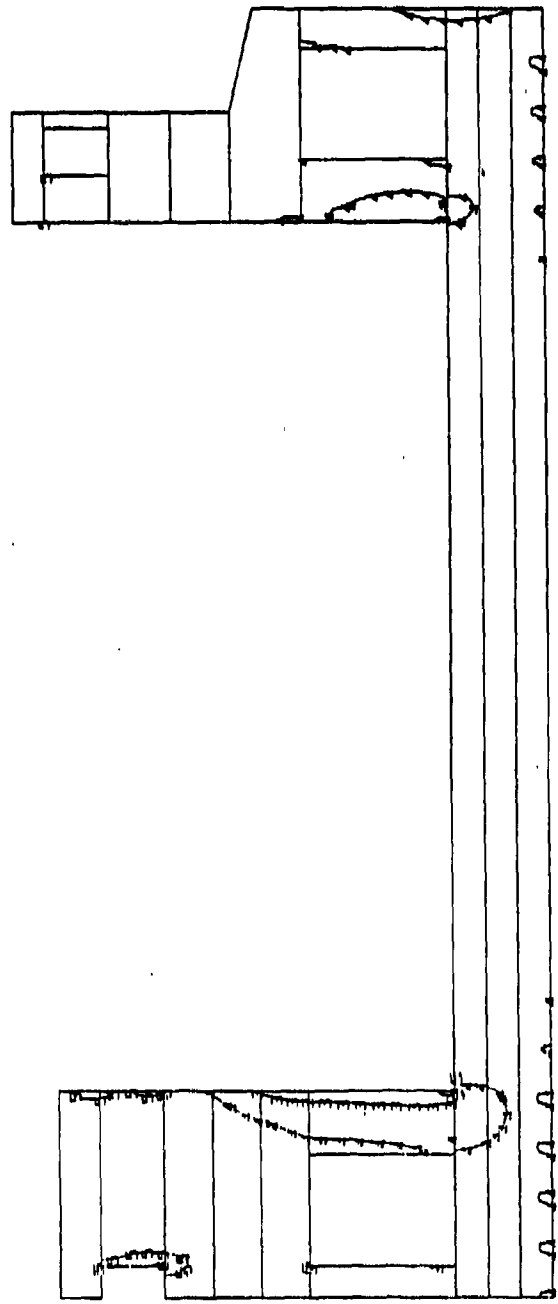
511
VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.99E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS. L118
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 B STEP 75 INCREMENT 1

S22
 VALUE
 1 -3.00E+02
 2 -2.20E+02
 3 -1.40E+02
 4 -5.95E+01
 5 +2.00E+01
 6 +1.00E+02

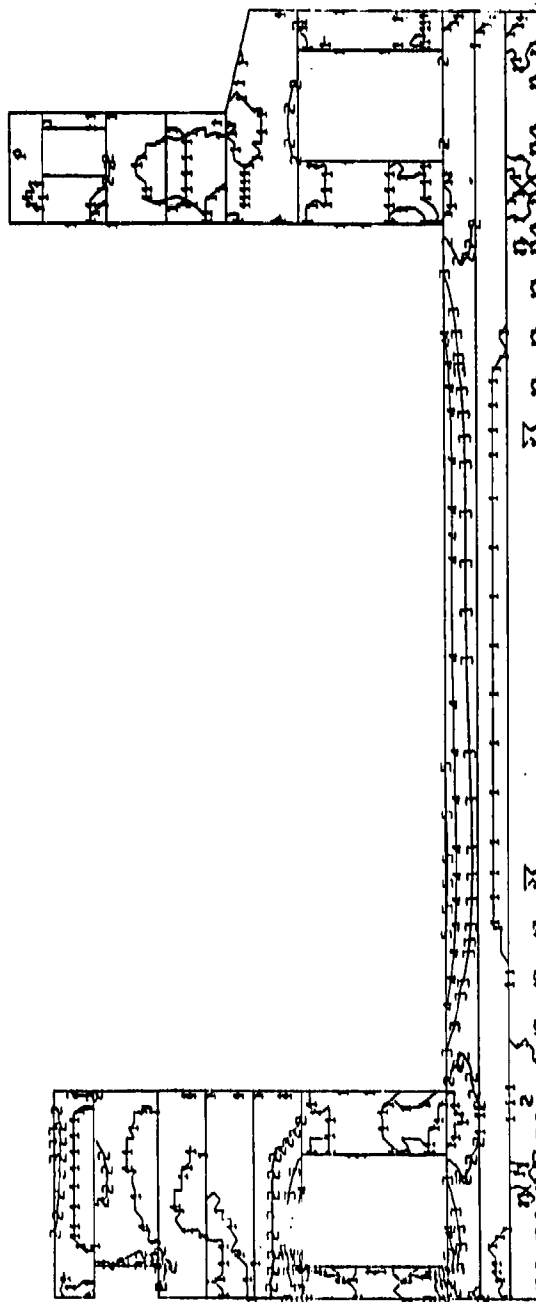


1
 OLMSTED, STRIP METHOD. JUNE 20 START, PL STRS. L118
 TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1 145E+02 # STEP 75 INCREMENT 1

```

PRIN3
VALUE
1      +4.00E-05
2      +4.00E+01
3      +8.00E+01
4      +1.20E+02
5      +1.60E+02
6      +2.00E+02

```

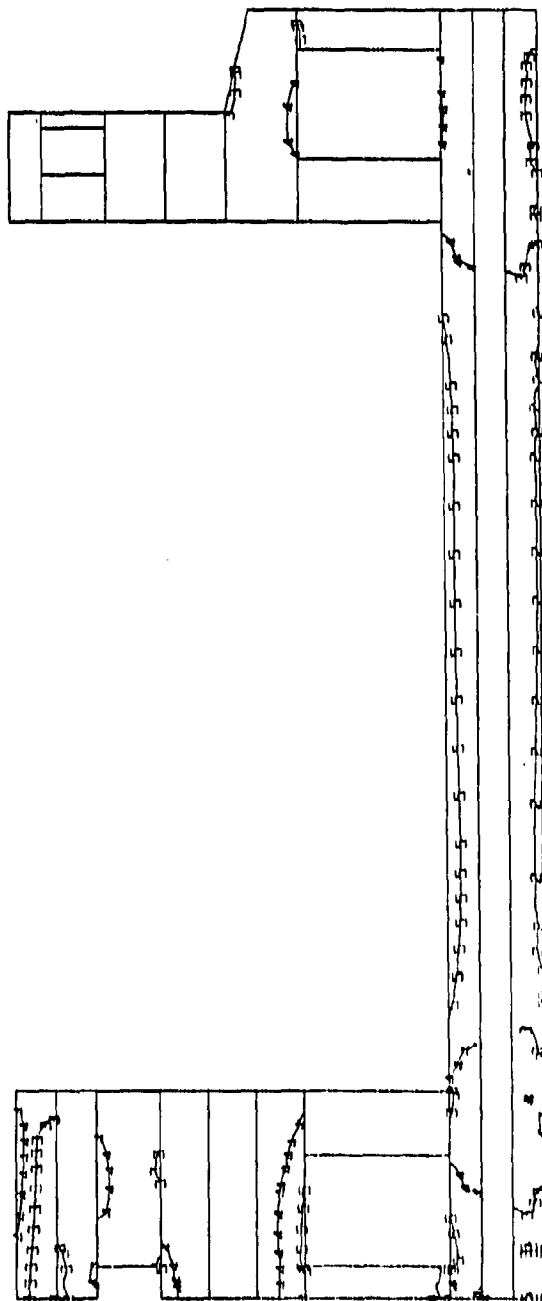


G14

OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L118

TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 8 STEP 75 INCREMENT 1

511
 VALUE
 1 -2.00E+02
 2 -1.20E+02
 3 -3.95E+01
 4 +4.00E+01
 5 +1.20E+02
 6 +2.00E+02

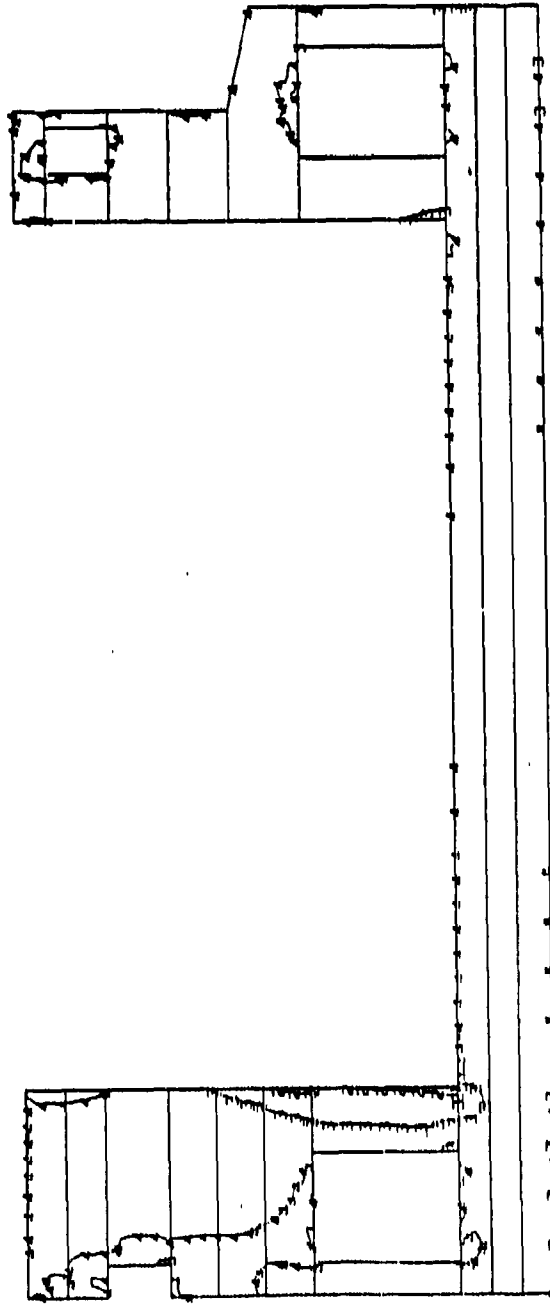


1
 OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L119
 TIME COMPLETED IN THIS STEP 45.00E+00 TOTAL ACCUMULATED TIME +1.105E+02 H STEP 79 INCREMENT 6

522

VALUE

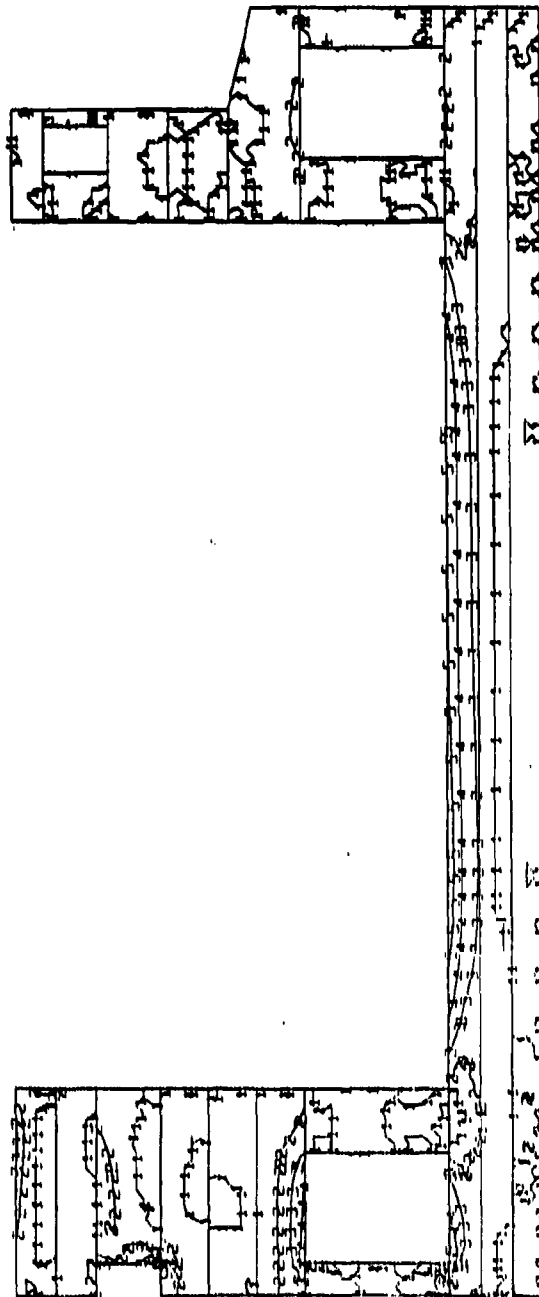
1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02



OLMSTED. STRIP METHOD. JUNE 20 START. PL STRS. L119
 TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.19E+02 8 STEP 79 INCREMENT 6

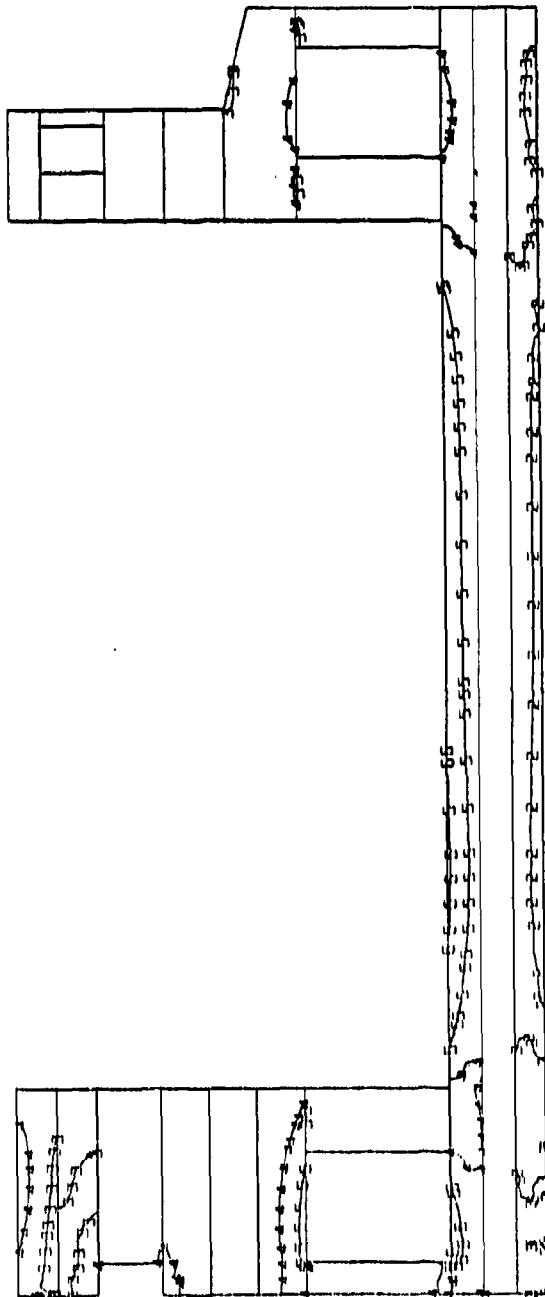
PRINT
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L119
TIME CONC EFT: 171 THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 195E+02 S STEP 79 INCREMENT 6

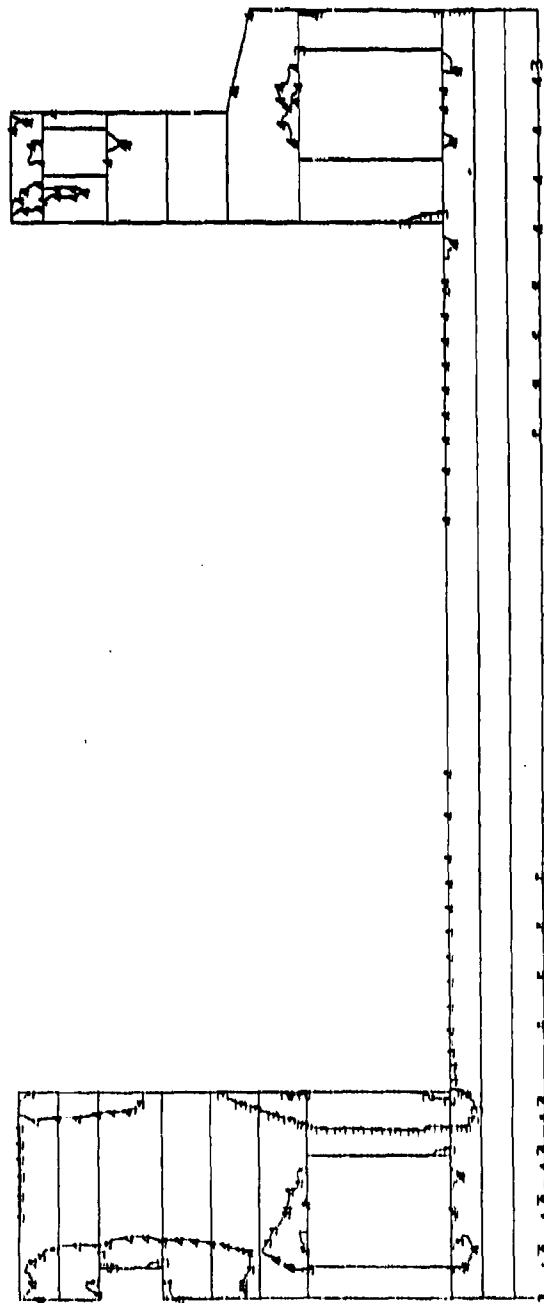
S11
VALUE
1 -2.00E+02
2 -1.20E+02
3 -3.99E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02



G18

OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L119
TIME COMPLETED IN THIS STEP +1 200E+01 TOTAL ACCUMULATED TIME +1 325E+02 # STEP 80 INCREMENT 13

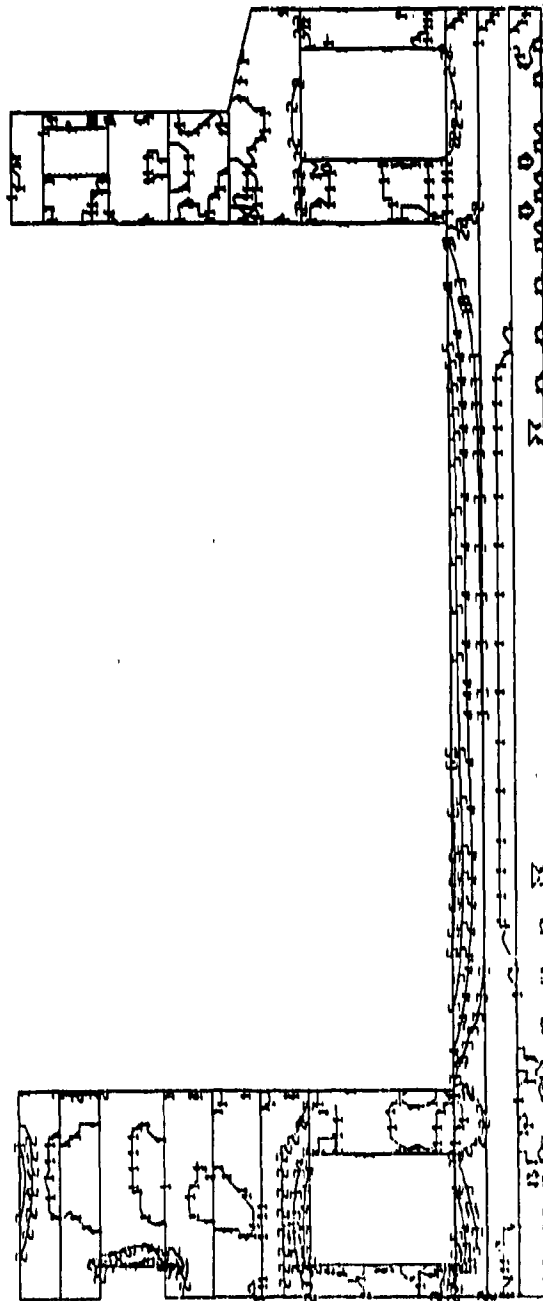
S22
VALUE
1 -3.00E+02
2 -2.00E+02
3 -9.95E+01
4 +1.00E-04
5 +1.00E+02
6 +2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS. L119
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 80 INCREMENT 13

PRIN3
VALUE

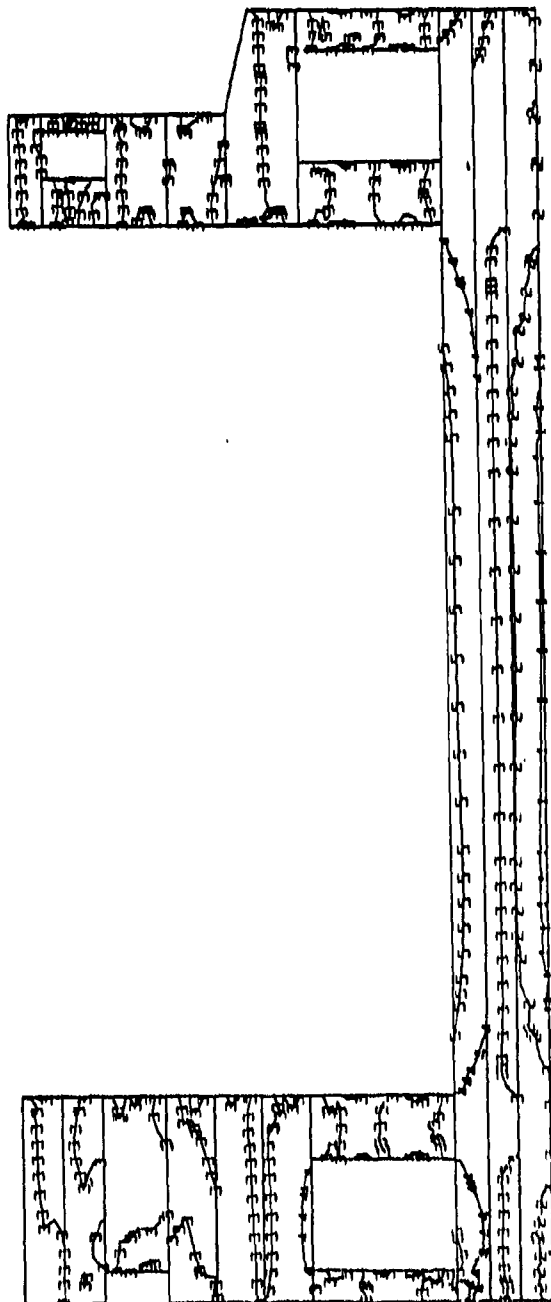
1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02



G20

OLMSTED, STRIP METHOD, JUNE 20 START, PL SIRS, L119
TIME COMPLETED IN THIS STEP +1.330E+01 TOTAL ACCUMULATED TIME +1.325E+02 B STEP 80 INCREMENT 13

511
JAL:SE
1 -2.00E+02
2 -9.99E+01
3 +1.00E-04
4 +1.00E+02
5 +2.00E+02
6 -3.00E+02

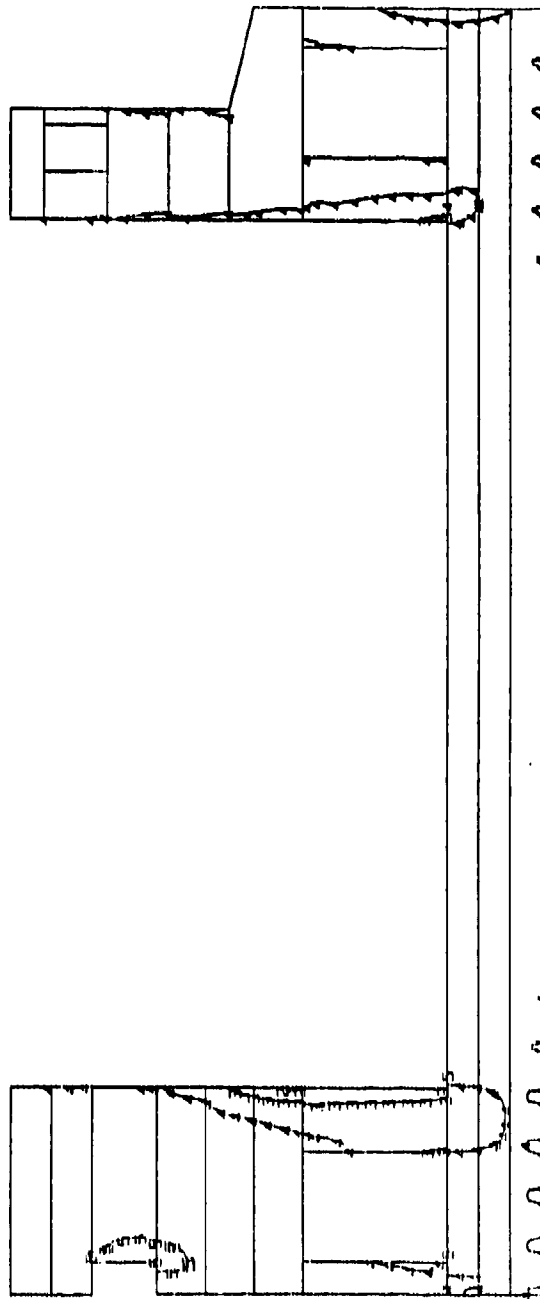


G21

¹
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS. L119
TIME COMPLETED IN THIS STEP 15.000E+01 TOTAL ACCUMULATED TIME 1.835E+02 STEP 82 INCREMENT 25

S22
VALUE

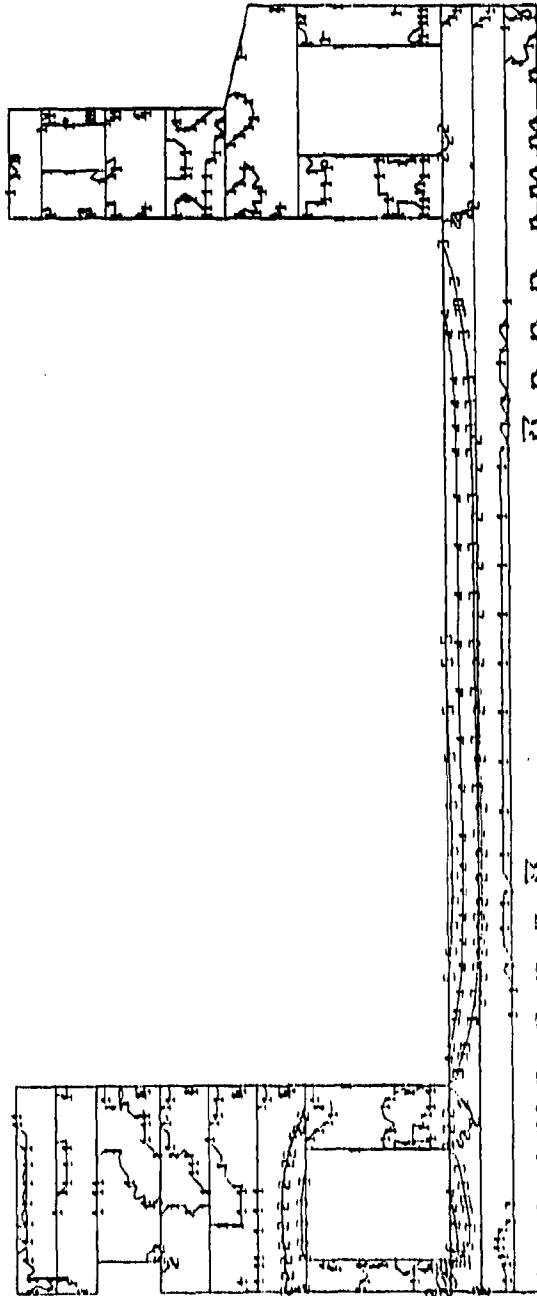
1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02



OLNSTED. STRIP METHOD. JUNE 20 START, PL STRS. L119
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 B STEP 82 INCREMENT 25

TIME
-VALUE

1	+5.00E-05
2	+6.00E-01
3	+1.20E+02
4	+1.80E+02
5	+2.40E+02
6	+3.00E+02

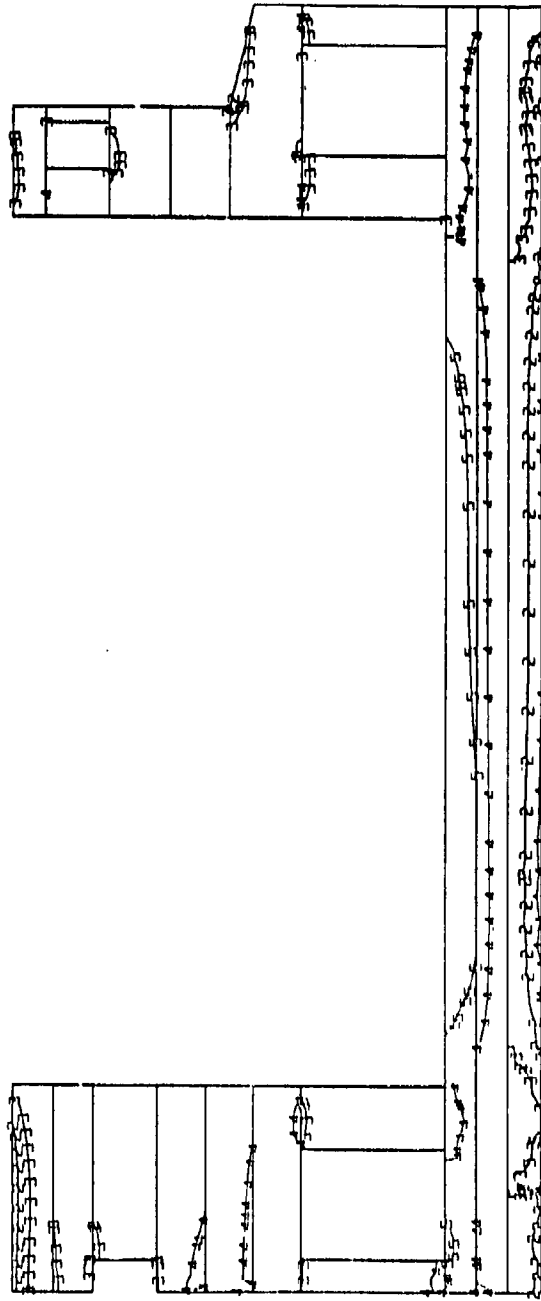


G23

OLMSTED. STRIP METHOD. JUNE 20 START. PL STRS. L119
TIME COMPLETED IN THIS STEP +5 CODE-01 TOTAL ACCUMULATED TIME +1 835E+02 # STEP B2 INCREMENT 25

S11
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
5	+2.00E+02



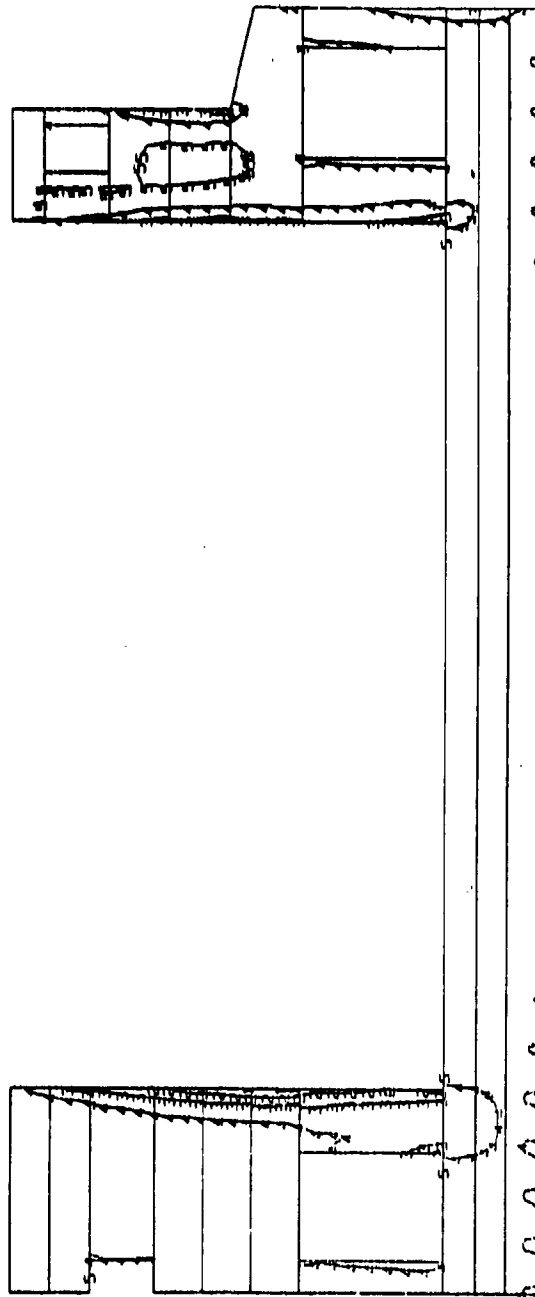
G24

OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L119
 TIME COMPLETED IN THIS STEP +1.00E+02 TOTAL ACCUMULATED TIME +2.335E+02 # STEP 02 INCREMENT 50

S22

VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02

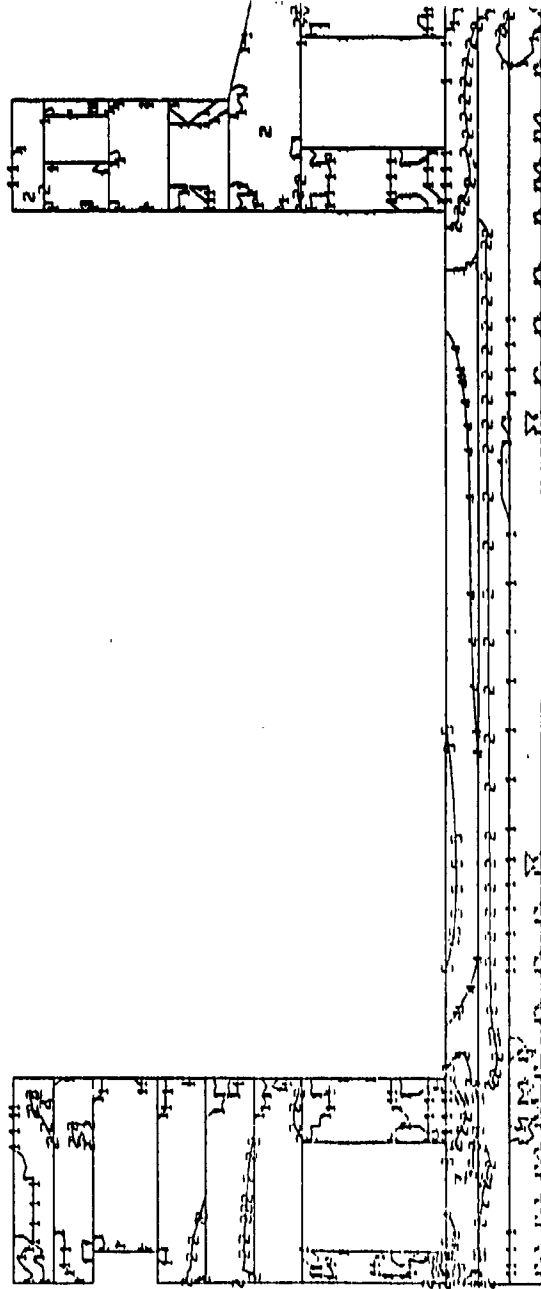


OLMSTED, STRIP METHOD, JUNE 20 START, PL SIRS, L119

TIME COMPLETED IN THIS STEP +1.060E+02 TOTAL ACCUMULATED TIME +2.335E+02 \$ STEP B2 IMPROVEMENT 59

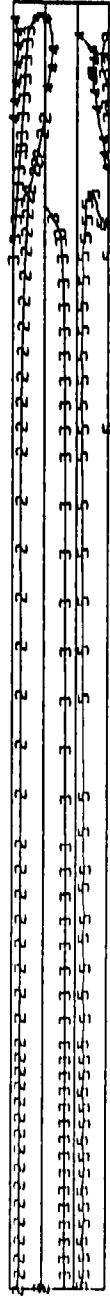
PRINT
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L119
TIME COMPLETED IN THIS STEP +1.00E+02 TOTAL ACCUMULATED TIME +2.335E+02 P STEP 82 INCREMENT 50

1	-1.00E+02
2	-5.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02



TIME COMPLETED IN THIS STEP	+5 COND+00	TOTAL ACCUMULATED TIME	+2 FUDGE+01	IN STEP 14	TREATMENT 5
OLNSTD. STRIP METHOD.	JUNE 20	START. PL	STAN.	L1_3	

S22
VALUE

1	-5.00E+01
2	-4.40E+01
3	-2.80E+01
4	-1.19E+01
5	+4.00E+00
6	+2.00E+01

G28



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L1_3

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.950E+01 # STEP 14 INCREMENT 5

533
VALUE

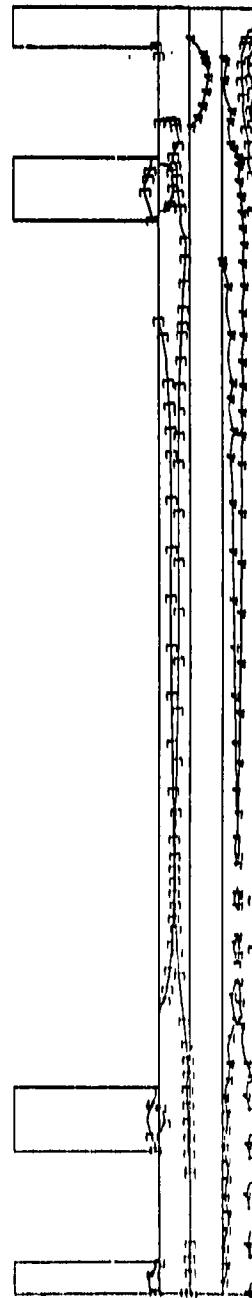
1	-1.00E+02
2	-8.00E+01
3	-5.00E+01
4	-4.00E+01
5	-1.99E+01
6	+2.00E-05



1
OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L1_3
TIME COMPLETED IN THIS STEP +5 000E+00 TOTAL ACCUMULATED TIME +2.950E+01 # STEP 14 INCREMENT 5

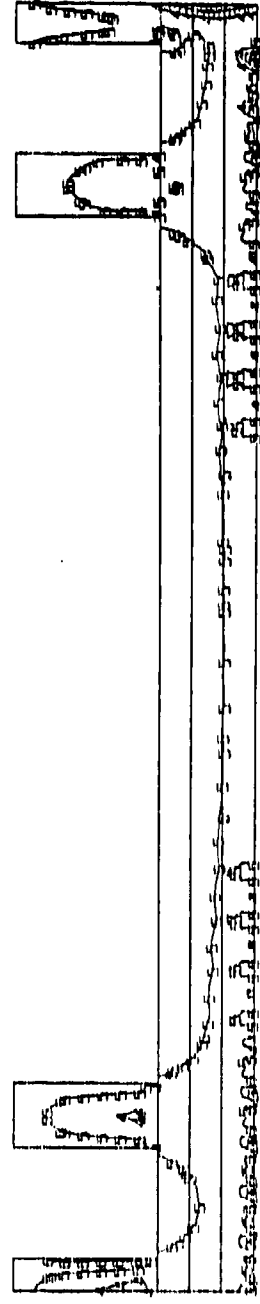
S:
VALUE
1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

G30



1
OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L1_B
TIME COMPLETED IN THIS STEP +1.50E+01 TOTAL ACCUMULATED TIME +6.450E+01 # STEP 31 INCREMENT IS

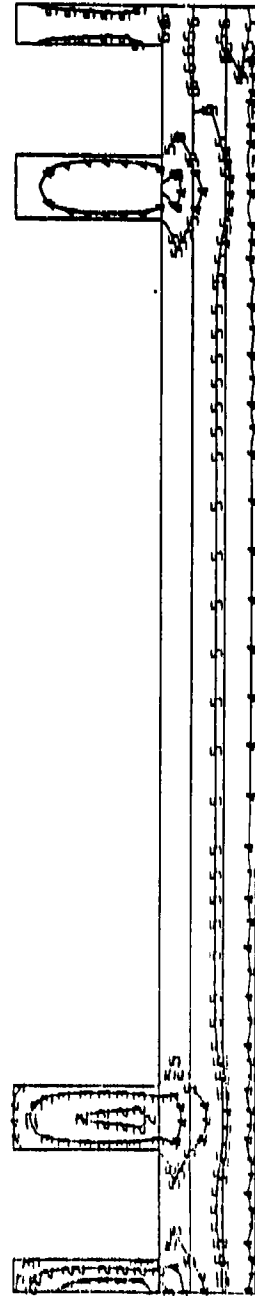
S22
 VALUE
 1 -8.60E+01
 2 -6.20E+01
 3 -4.40E+01
 4 -2.60E+01
 5 -7.99E+00
 6 +1.00E+01



1
 OLMSTED. STRIP METHOD. JUNE 20 START. PL STN. L1_8
 TIME COMPLETED IN THIS STEP +1.502E+01 TOTAL ACCUMULATED TIME +6.453E+01 STEP 31 INCREMENT 15

533
VALUE
1 -3.00E+01
2 -9.95E+00
3 +1.00E+01
4 +3.00E+01
5 +5.00E+01
6 +7.00E+01

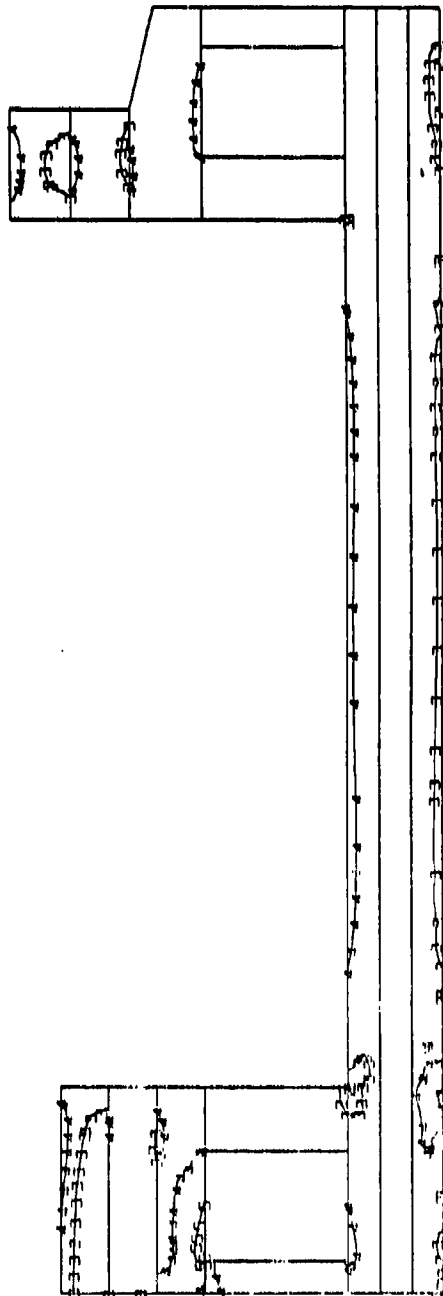
G32



OLMSTED. STRIP METHOD. JUNE 20 START. PL STAN. L1_8
TIME COMPLETED IN THIS STEP +: 503E+01 TOTAL ACCUMULATED TIME +5 450E+01 P STEP 31 INCREMENT 15

S11
VALUE

1	-0.00E+02
2	-1.20E+02
3	-2.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



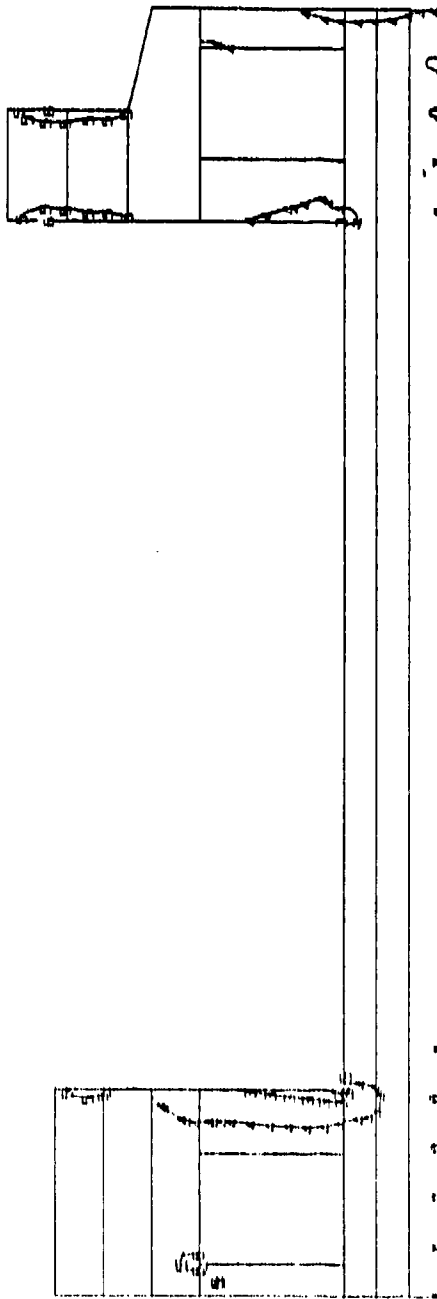
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN. L114
TIME COMPLETED IN THIS STEP +3 00CE-00 TOTAL ACCUMULATED TIME +9 450E+01 R STEP 57 INCREMENT 6

522

VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.95E+01
5	+2.03E+01
6	+1.00E+02

G34

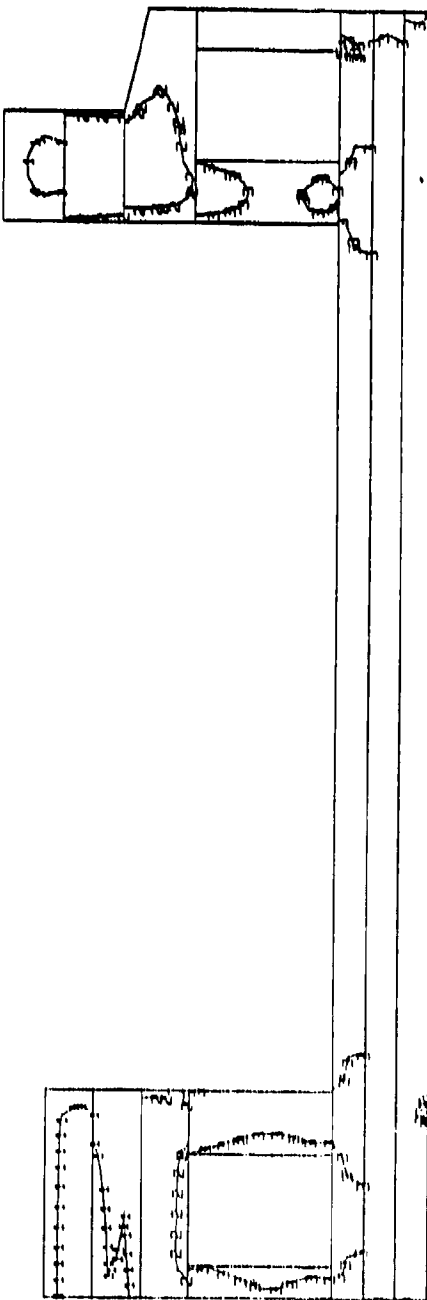


OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L114
 TIME COMPLETED IN THIS STEP +2.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 # STEP 57 INCREMENT 5

533

VALUE

1	-3.90E+01
2	+2.00E+01
3	+1.40E+02
4	+2.50E+02
5	+3.50E+02
6	+5.00E+02

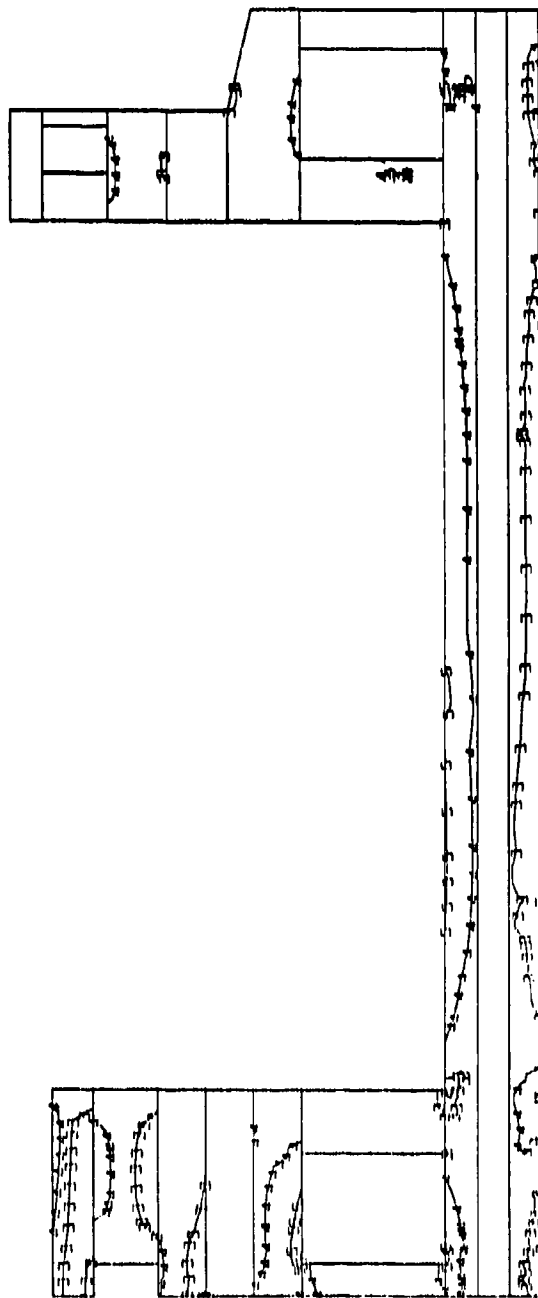


G35

OLMSTED, STRIP METHOD. JUNE 20 START, PL STAN. L114
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 IN STEP 57 INCREMENT 6

S1:
VALUE

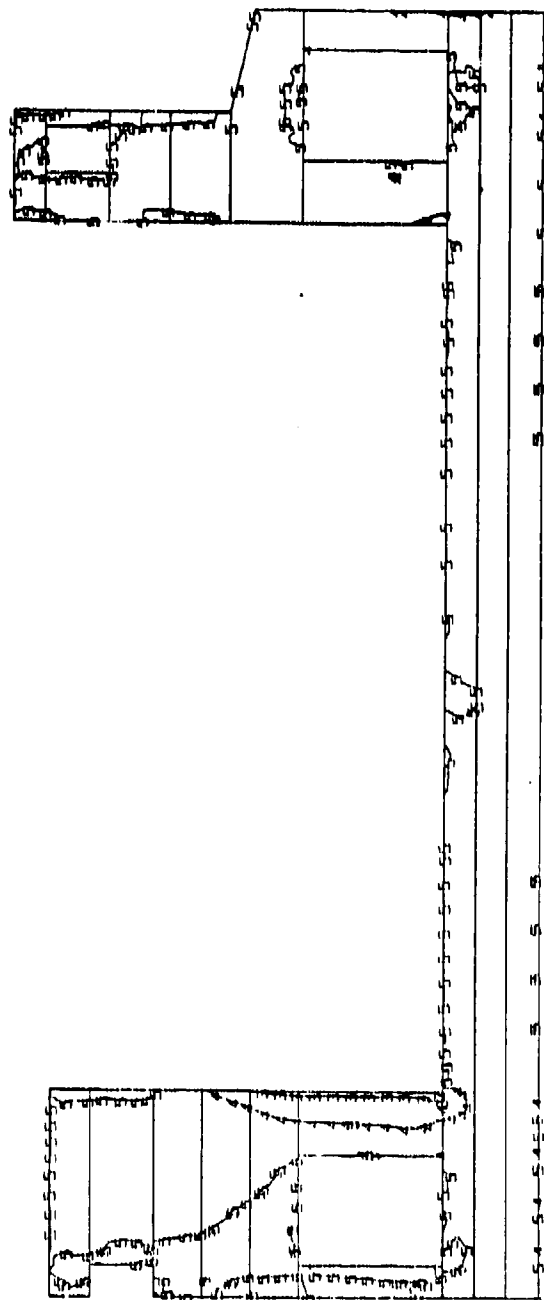
1	-2 00E+02
2	-1.20E+02
3	-3.55E+01
4	+4.00E+01
5	+1.20E+02
5	+2 00E+02



OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L118
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 B STEP 75 INCREMENT 1

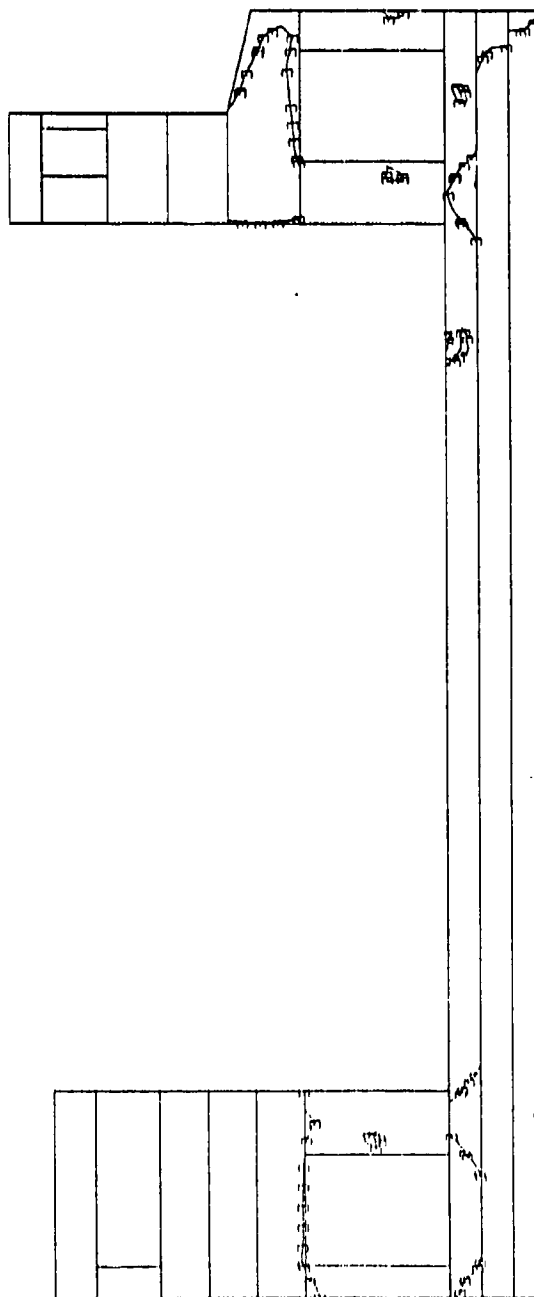
S22
VALUE

1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-9.99E+01
5	+1.00E+01
6	+1.00E+02



OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L118
TIME COMPLETED THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 B STEP 75 INCREMENT 1

533
 VALU
 1 -1.00E+03
 2 -3.93E+02
 3 +2.00E+02
 4 +8.00E+02
 5 +1.40E+03
 5 +2.00E+03

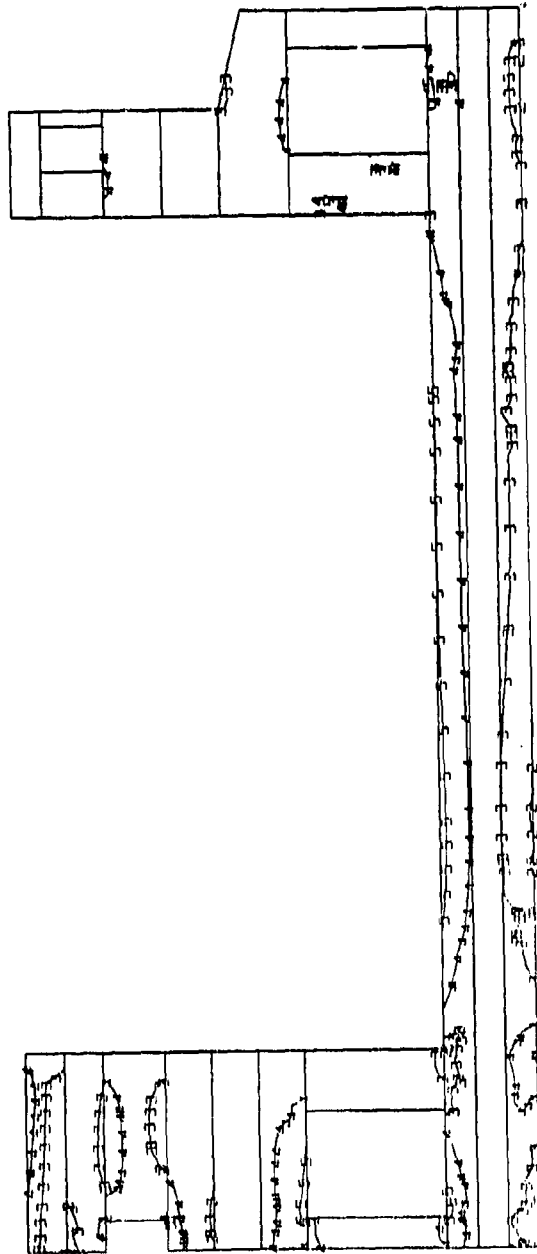


G38

OLMSTED, STRIP METHOD, JUNE 20 START, PL STAN, L118
 TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1 145E+02 # STEP 75 INCREMENT 1

S11
VALUE

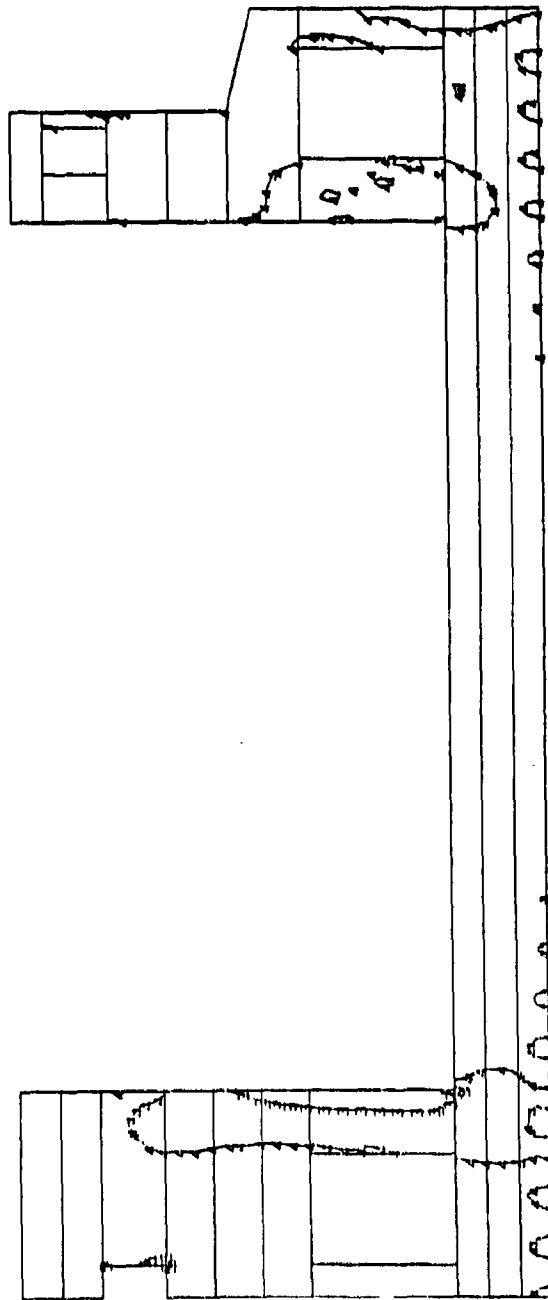
1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L119
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 B STEP 79 INCREMENT 6

S22
VALUE

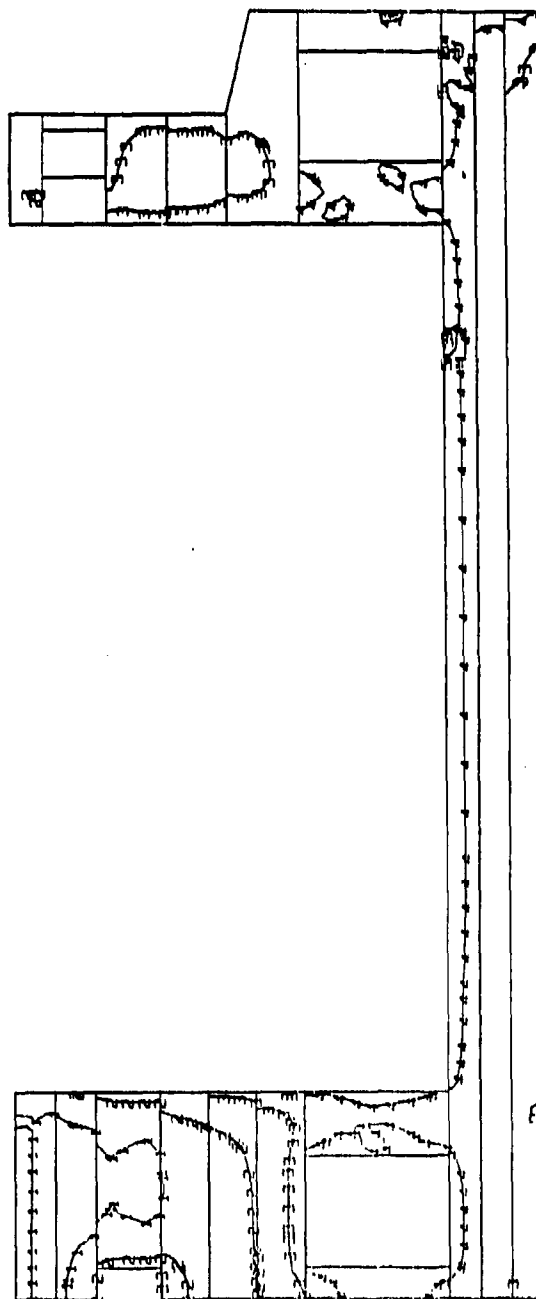
1	-4.00E+02
2	-2.80E+02
3	-1.60E+02
4	-3.95E+01
5	+8.00E+01
6	+2.00E+02



G40

OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L119
TIME COMPLETED: THIS STEP 17 000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 79 INCREMENT 6

S33
VALUE
1 -9.99E+01
2 +2.00E+01
3 +1.40E+02
4 +2.60E+02
5 +3.80E+02
6 +5.00E+02

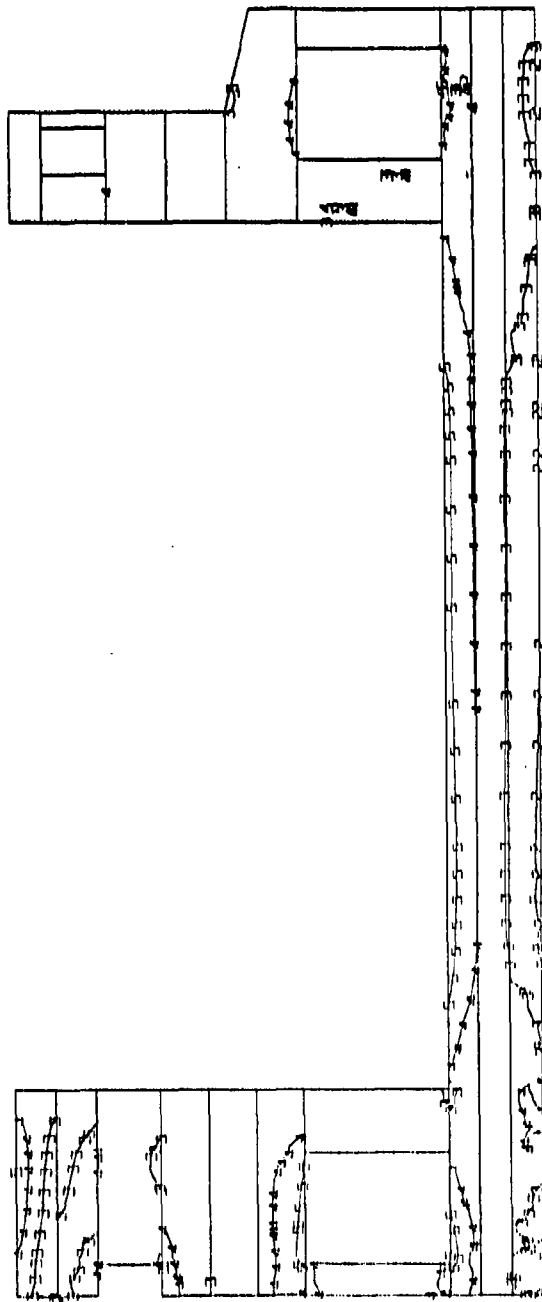


OLMSTED. STRIP METHOD, JUNE 20 START, PL STAN, L119
TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 195E+02 STEP 79 INCREMENT 6

S11

VALUE

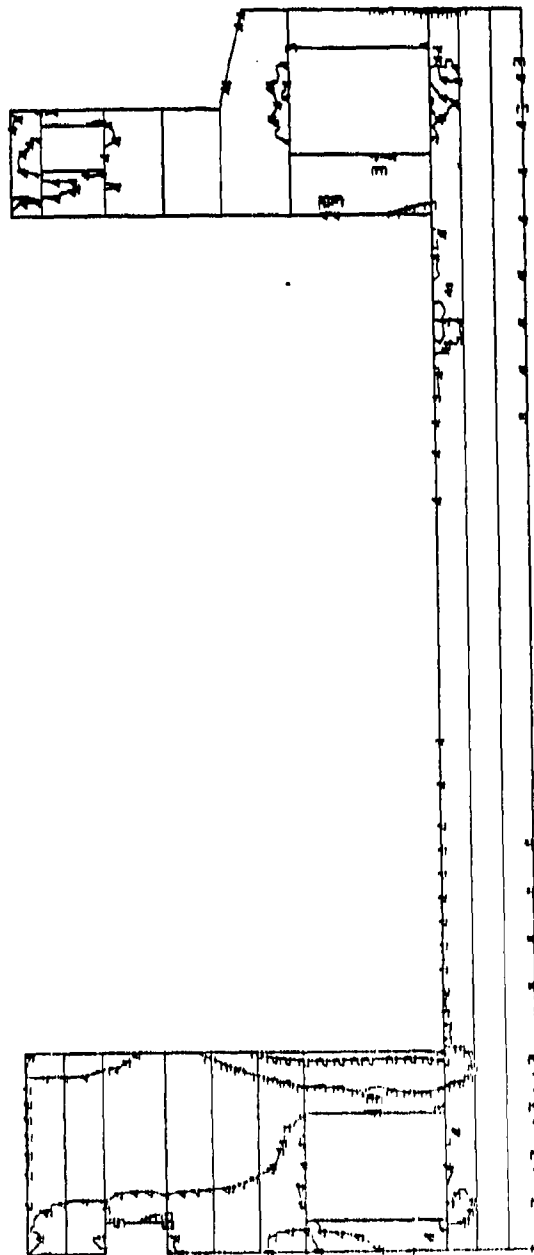
1	-2.00E+02
2	-1.20E+02
3	-3.95E+01
4	+4.00E+01
5	+1.20E+02
6	-2.00E+02



OLMSTED. STRIP METHOD. JUNE 20 START. PL STAN. L119
 TIME COMPLETED IN THIS STEP +1 300E+01 TOTAL ACCUMULATED TIME +1 325E+02 F STEP 80 INCREMENT 13

C22
VALUE

1 -3.00E+02
2 -2.00E+02
3 -9.99E+01
4 +1.00E-04
5 +1.00E+02
6 +2.00E+02

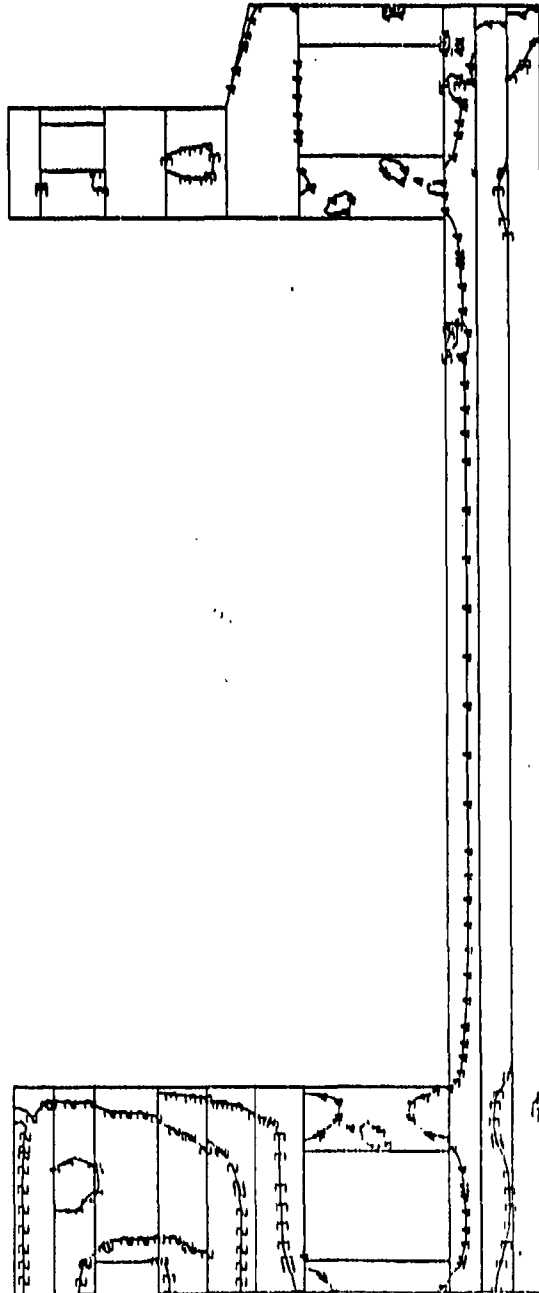


OLMSTED, STRIP METHOD. JUNE 20 START, PL STRN, L119
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 80 INCREMENT 13

S33

VALUE

1	-9.99E+01
2	+4.00E+01
3	+1.80E+02
4	+3.20E+02
5	+4.60E+02
6	+6.00E+02

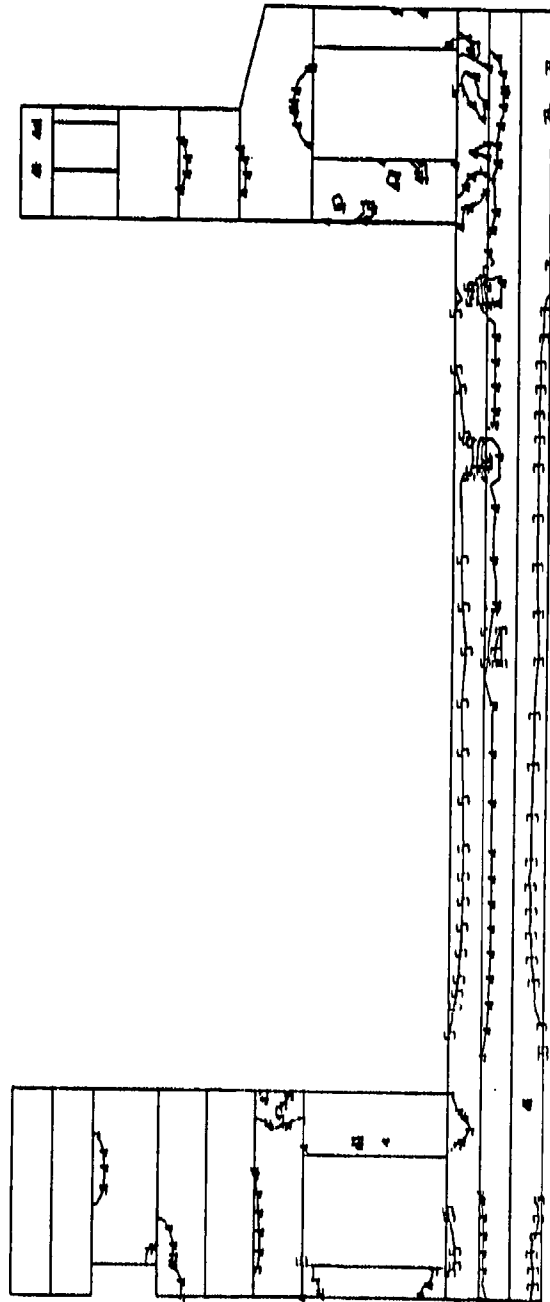


OLMSTED, STRIP METHOD. JUNE 20 START. PL STAN. L119

TIME REPORTED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 \$ STEP 90 INCREMENT 13

S11
VALUE

1	-4.00E+02
2	-2.60E+02
3	-1.19E+02
4	+2.00E+01
5	+1.60E+02
6	+3.00E+02



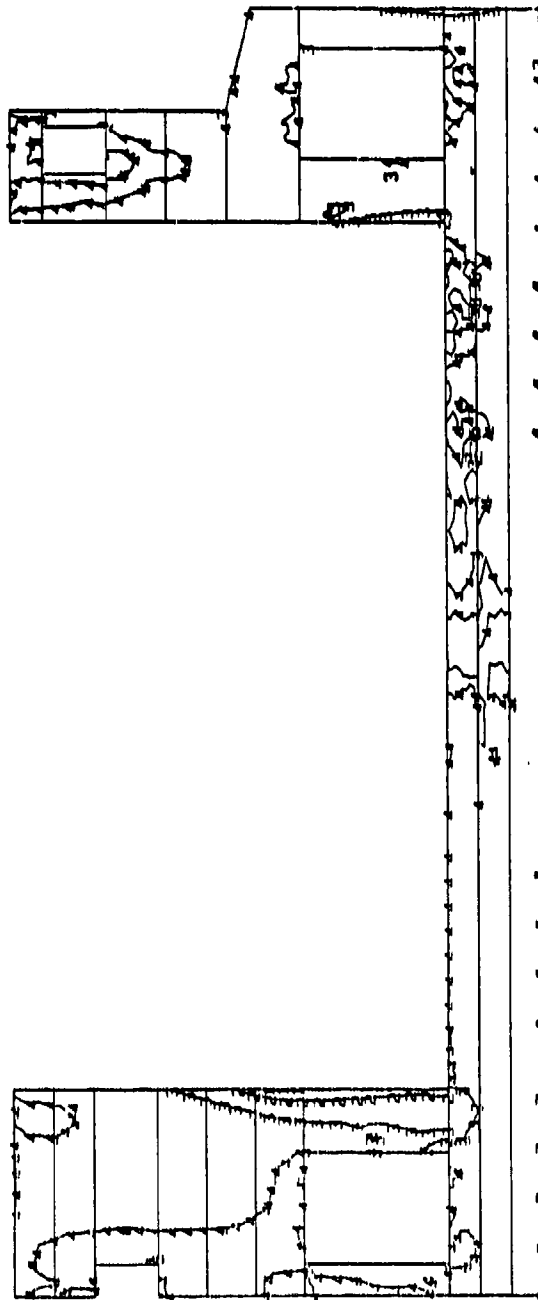
G45

1
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L119

TIME COMPLETED THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.833E+02 STEP 02 INCREMENT 25

522
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

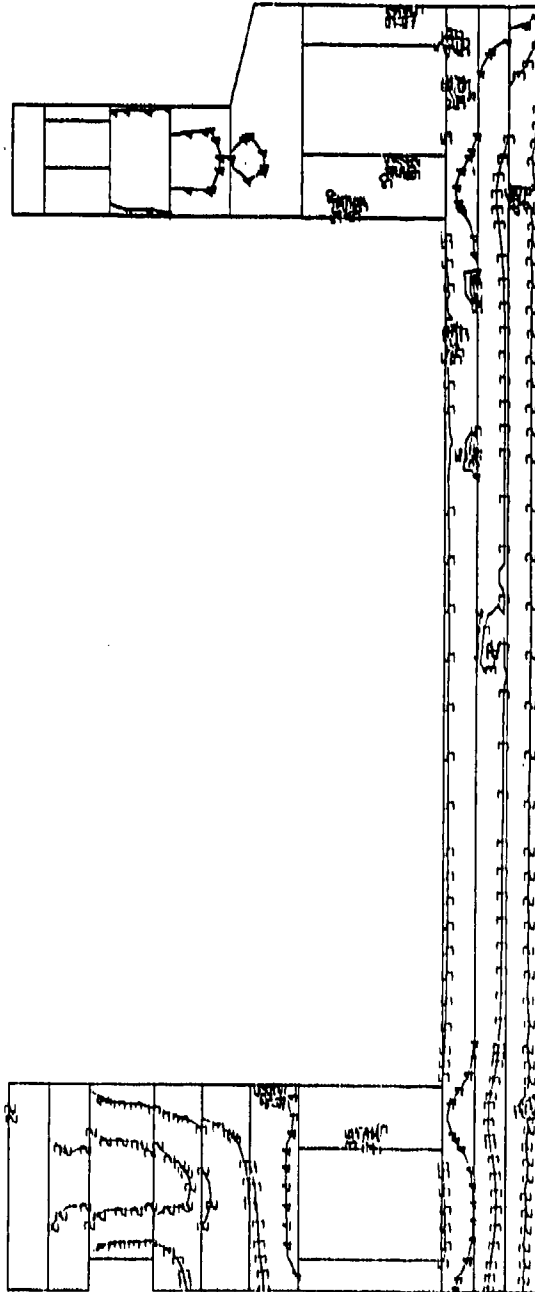


1
OLMSTED. STRIP METHOD. JUNE 20 START. PL STN. L119
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 \$ STEP 52 INCREMENT 25

533

VALUE

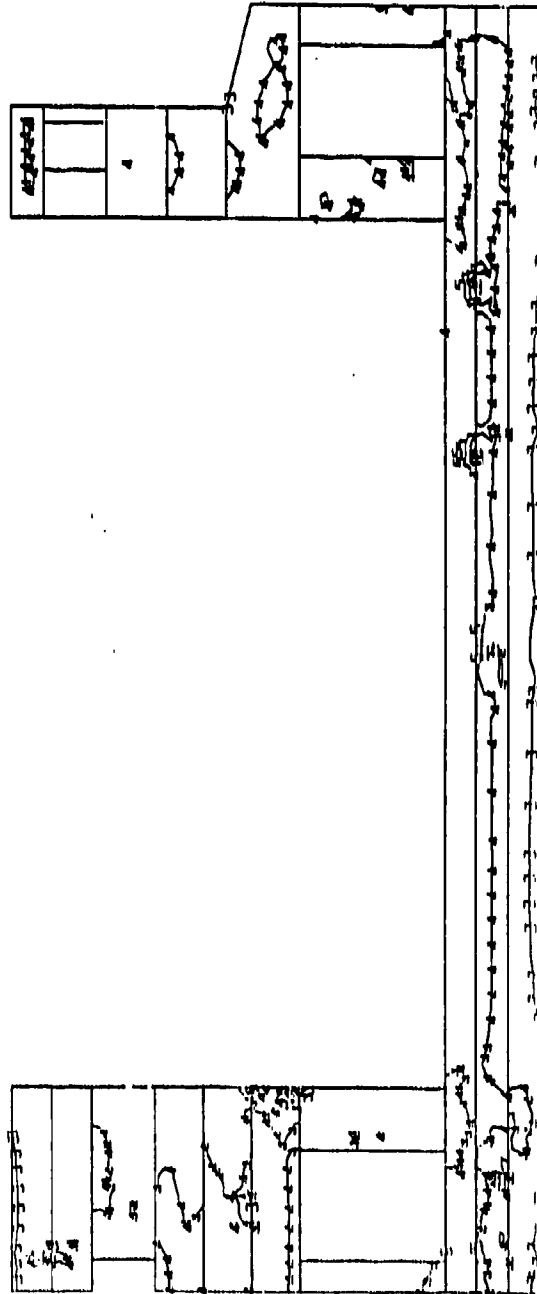
- 1 +1.00E+02
- 2 +2.20E+02
- 3 +3.40E+02
- 4 +4.60E+02
- 5 +5.80E+02
- 6 +7.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN. L119

TIME COMPLETED BY THIS STEP -2.00E+01 TOTAL ACCUMULATED TIME +1.935E+02 \$ STEP 62 INCREMENT 25

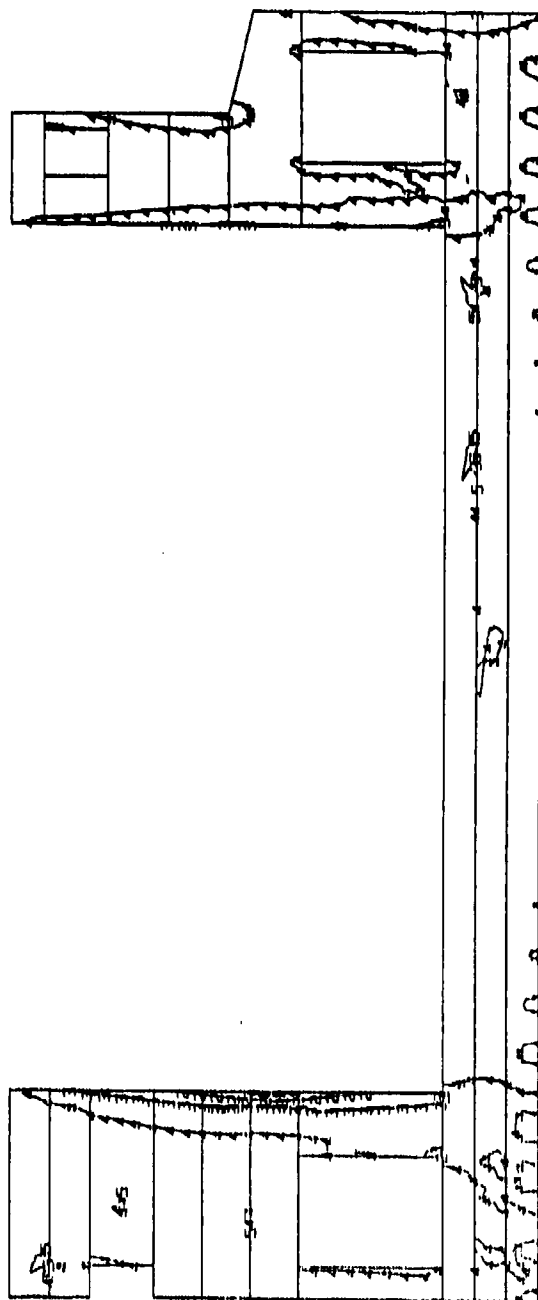
511
VALUE
1 -4.00E+02
2 -2.60E+02
3 -1.19E+02
4 +2.00E+01
5 +1.60E+02
6 +3.00E+02



G48

OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L119
TIME COMPLETED IN 14-15 STEP +1.00E+02 TOTAL ACCUMULATED TIME +2.35E+02 STEP 02 INCREMENT 50

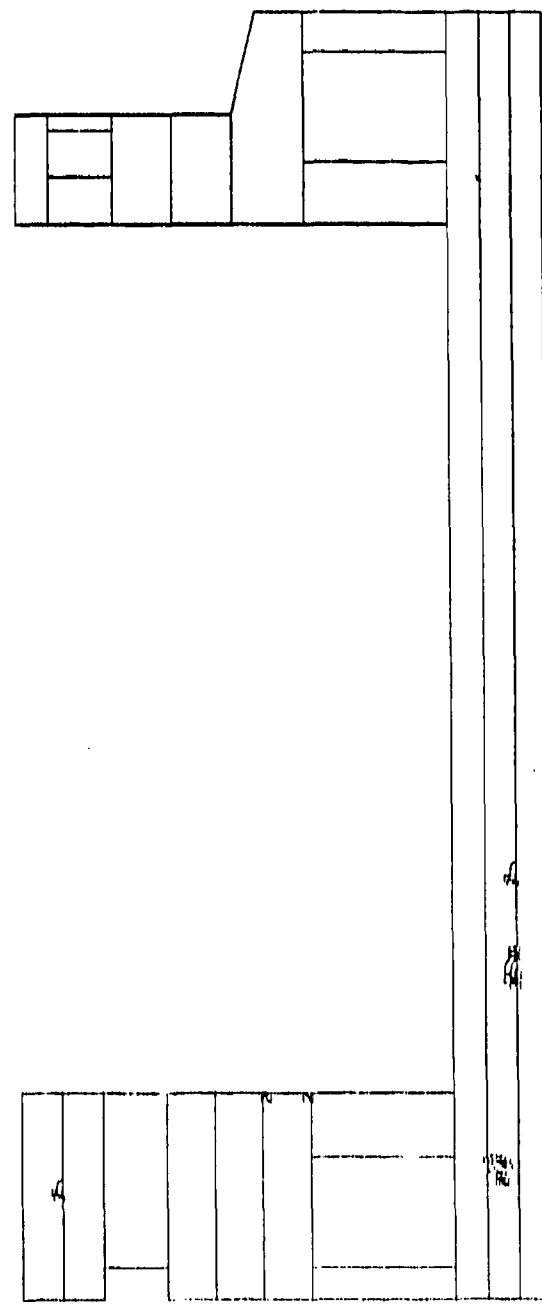
S22
VALUE
1 -4.00E+02
2 -2.80E+02
3 -1.60E+02
4 -3.99E+01
5 +8.00E+01
6 +2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STAN, L119
TIME CONSUMED 1.1 HRS STEP 12 CONE 07 INITIAL ACCUMULATED TIME +2 335E+02 R STEP R2 INCREMENT 50

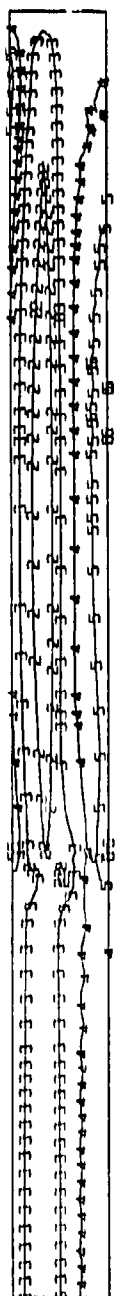
S23
VALUE

- 1 -5 90E+02
- 2 +1.00E+03
- 3 +1.00E+03
- 4 +2.00E+03
- 5 +3.00E+03
- 6 +4.00E+03



OLMSTED. STRIP METHOD. JUNE 20 START. PL STAN. L119
TIME FROM START TO THIS STEP +1 000E+02 TOTAL ACCUMULATED TIME +2 135E+02 \$ STEP 02 INCREMENT 50

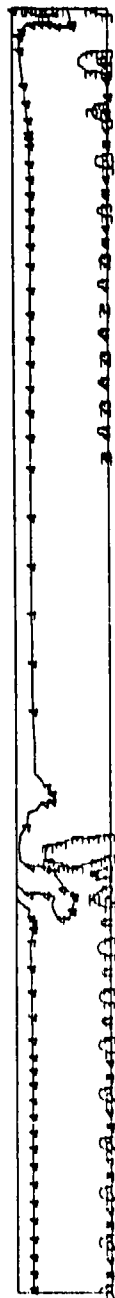
S:1
 VALUE
 1 -2.00E+02
 2 -6.00E+01
 3 -1.99E+01
 4 +2.00E+01
 5 +6.00E+01
 6 +1.00E+02



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L1_4
 TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 IN STEP 15 INCREMENT 10

522
VALUE

1	-5 00E+01
2	-3.40E+01
3	-1 80E+01
4	-1.99E+00
5	+1.40E+01
6	+3 00E+01



OLIMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L1_4
TIME COMPLETED IN THIS STEP +1 000E+01 TOTAL ACCUMULATED TIME +2 950E+01 STEP 16 INCREMENT 10

PRINT
VALUE

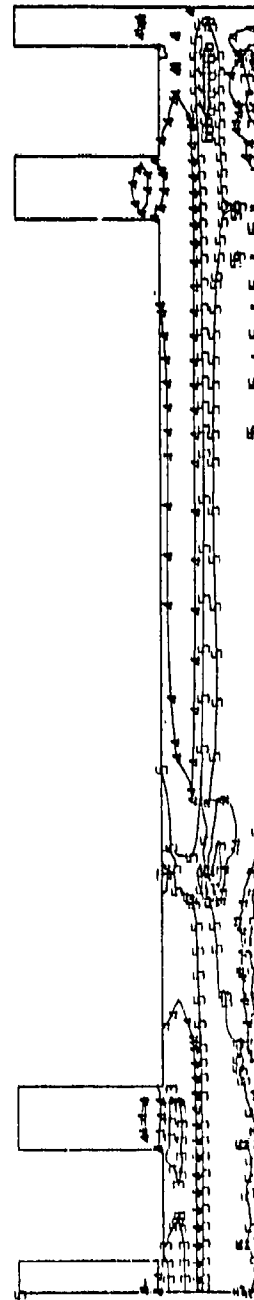
1	+1.00E+01
2	+2.80E+01
3	+4.50E+01
4	+6.40E+01
5	+8.20E+01
6	+1.00E+02



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L1_4
TIME COMPLETED IN THIS STEP +1.00E+01 TOTAL ACCUMULATED TIME +2.95E+01 STEP 16 INCREMENT 10

S11
 VALUE
 1 -6.00E+01
 2 -4.20E+01
 3 -2.40E+01
 4 -5.99E+00
 5 +1.20E+01
 6 +3.00E+01

G54

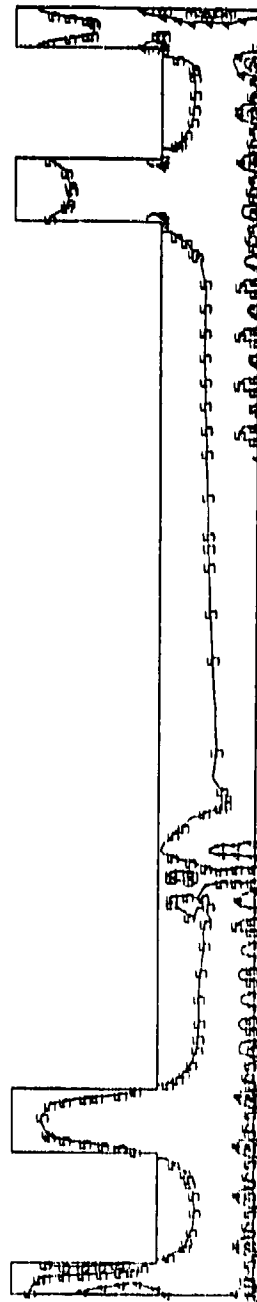


1
 OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L1_8
 TIME COMPLETED IN THIS STEP +1.400E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

S22
VALUE

1	-7.00E+01
2	-5.40E+01
3	-3.80E+01
4	-2.20E+01
5	-5.99E+00
6	+1.00E+01

G55



OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L1_8
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

```

PRINT
VALUE
1      +8.00E-06
2      +8.00E+00
3      +1.60E+01
4      +2.40E+01
5      +3.20E+01
6      +4.00E+01

```

G56

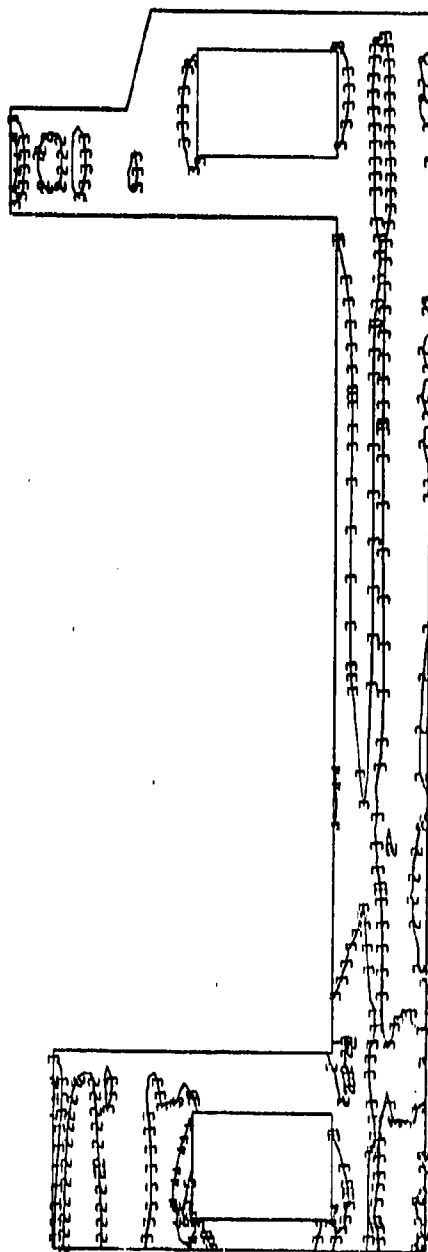


1
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L1_8
TIME COMPLETED III THIS STEP: +1.00E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

S11
VALUE

1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

Q57



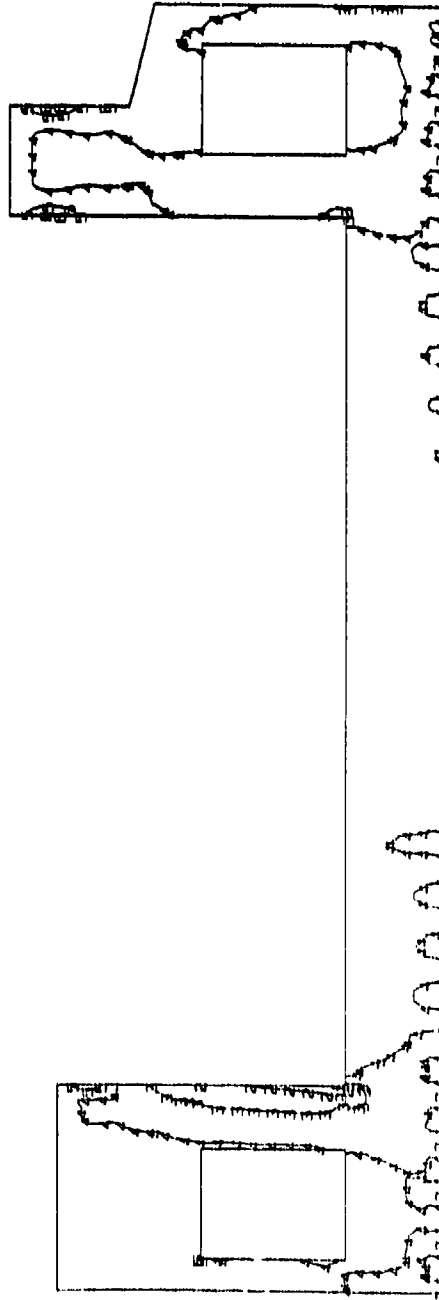
1
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L114
TIME CD-49 F110 12 1115 STEP +3 000F-00 TOTAL ACCUMULATED TIME +9 450E+01 B STEP 59 INCREMENT 6

S22

VALUE

1	-2.00E+02
2	-1.40E+02
3	-6.00E+01
4	-1.95E+01
5	+4.00E+01
6	+1.00E+02

G58

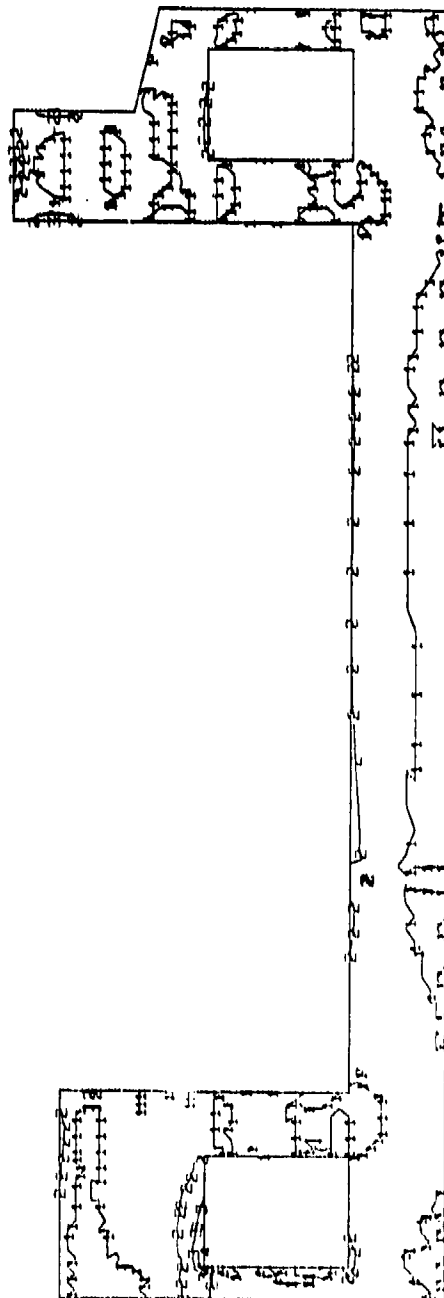


CLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L114
 TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +9 450E+01 STEP 59 INCREMENT 6

PRINT
VALUE

1	+5.00E-05
2	+5.00E+01
3	+1.20E+02
4	+1.80E+02
5	+2.40E+02
6	+3.00E+02

G59

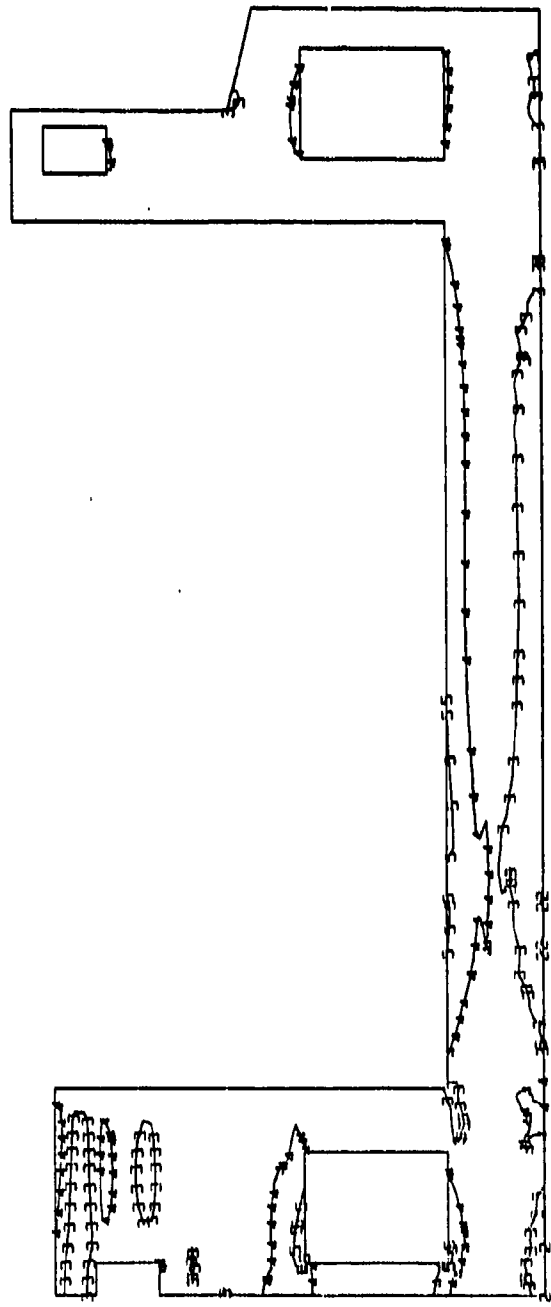


OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +9.450E+01 IN STEP 50 INCREMENT 5

S11
VALUE

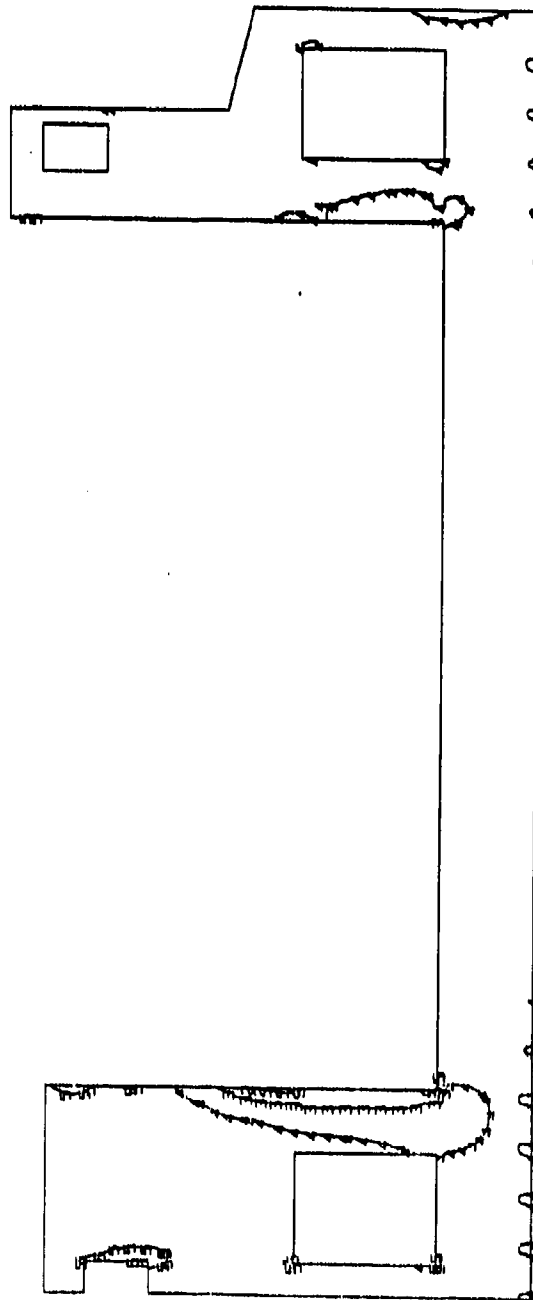
- 1 -2.00E+02
- 2 -1.20E+02
- 3 -3.99E+01
- 4 +4.00E+01
- 5 +1.20E+02
- 6 +2.00E+02



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L118
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 STEP 77 INCREMENT 1

S22
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02

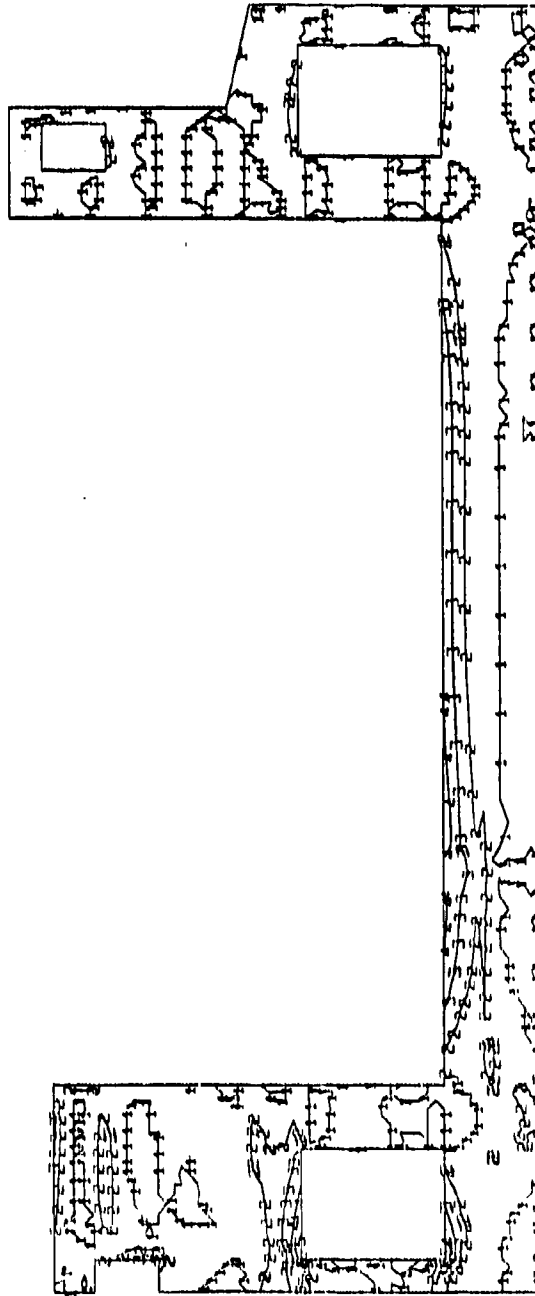


OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS. L118
 TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.145E+02 STEP 77 INCREMENT 1

```

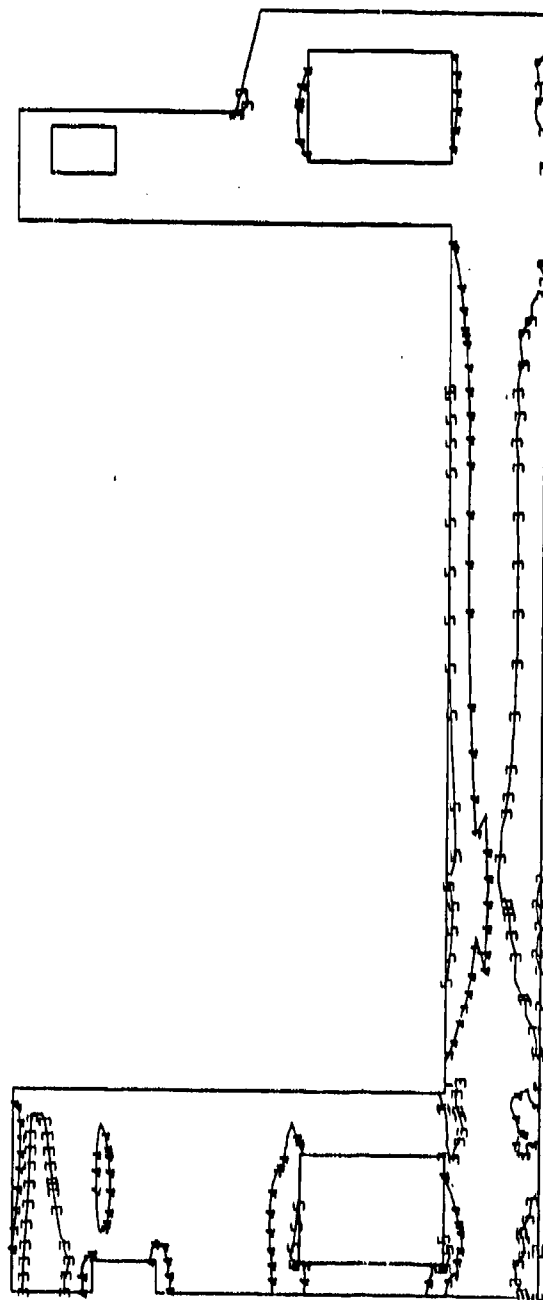
PRINT
VALUE
1      +4.00E-05
2      +4.00E+01
3      +8.00E+01
4      +1.20E+02
5      +1.60E+02
6      +2.00E+02

```



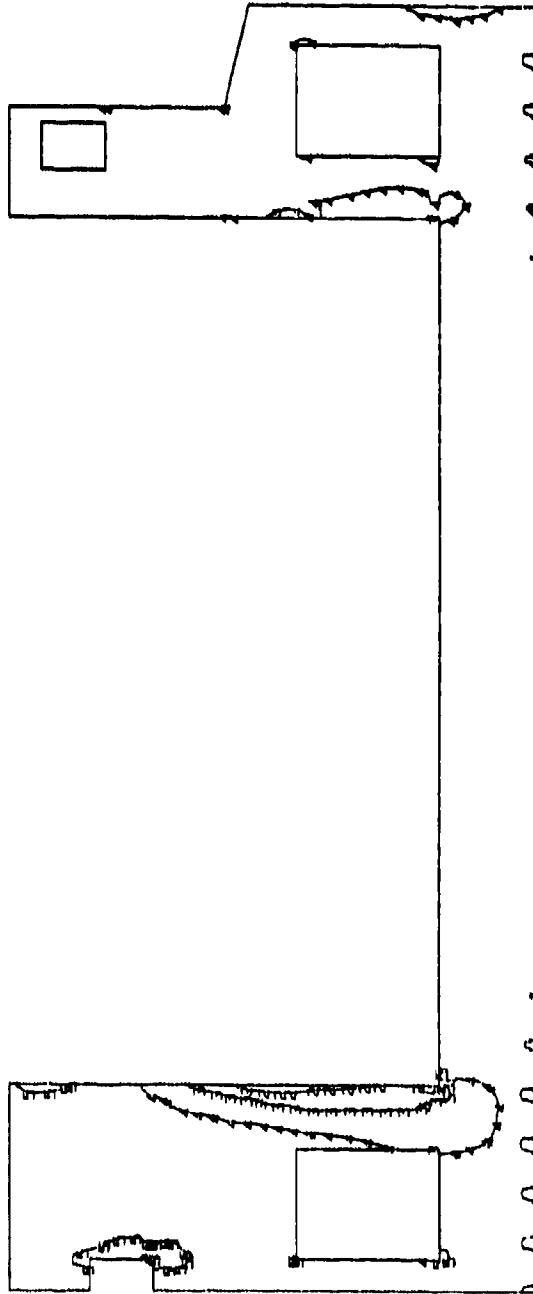
1
 OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L116
 TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.145E+02 STEP 77 INCREMENT 1

S11	
VALUE	
1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS. L119
 TIME COMP. ETEG TO 2:15.5" 43 CODE+00 TOTAL ACCUMULATED TIME +1.195E+02 P STEP 81 INCREMENT 6

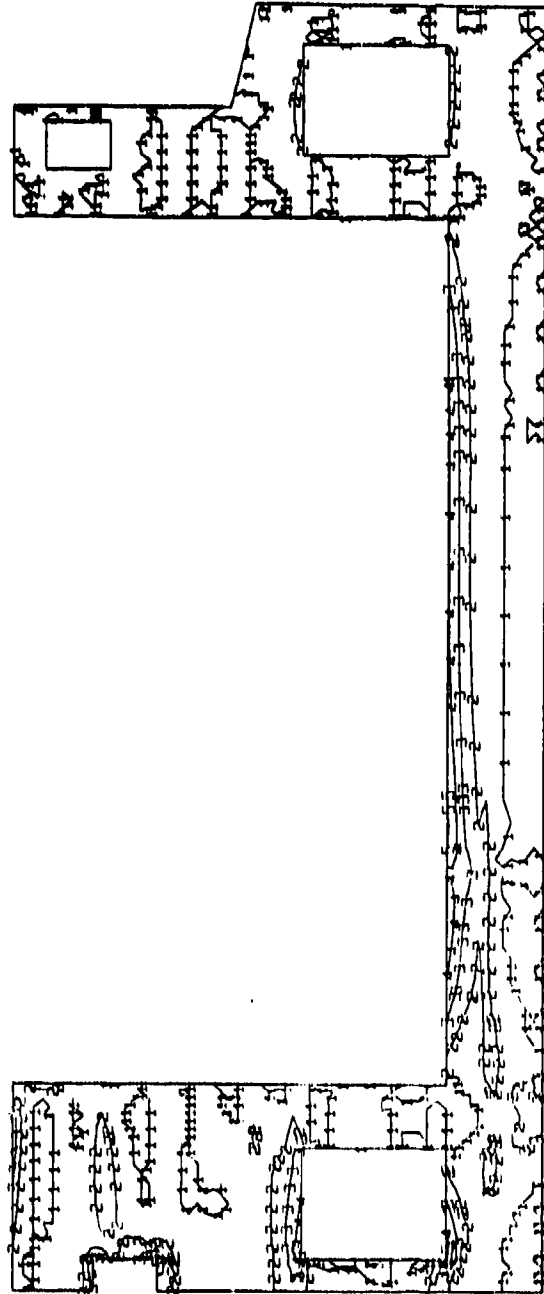
S22
VALUE
1 -3.00E+02
2 -2.20E+02
3 -1.40E+02
4 -5.99E+01
5 +2.00E+01
6 +1.00E+02



1
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119
TIME COMPLETED BY 1-11 STEP +2 00:00:00 TOTAL ACCUMULATED TIME +1 19:56:02 # STEP 81 INCREMENT 6

PRINT
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02

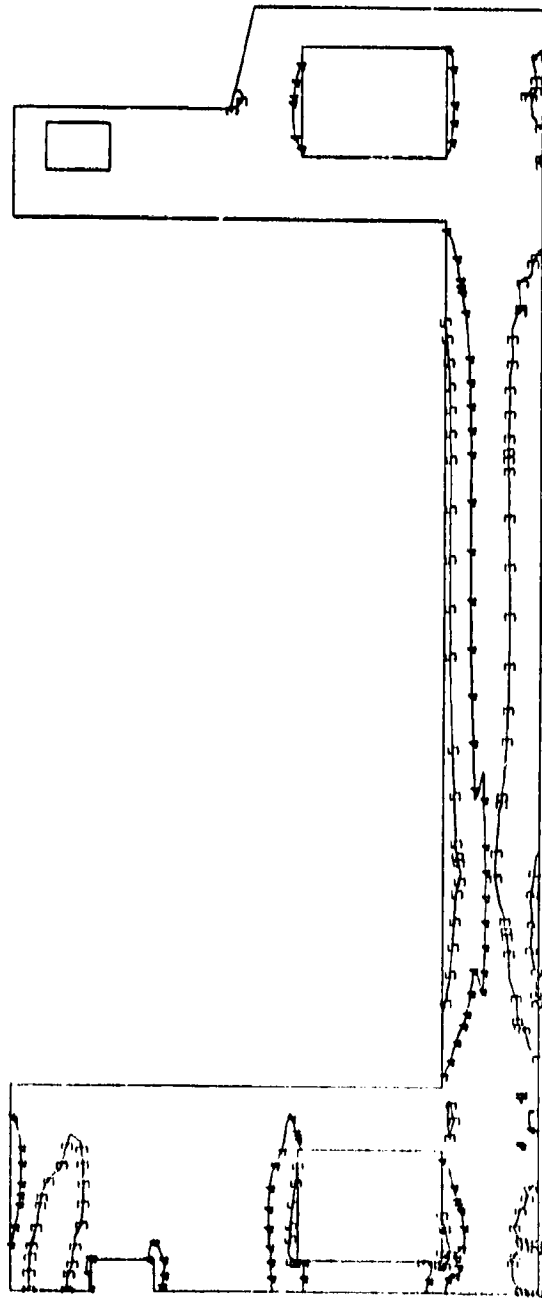


G65

OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L119
TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 195E+02 # STEP B1 INCREMENT 6

S11
VALUE

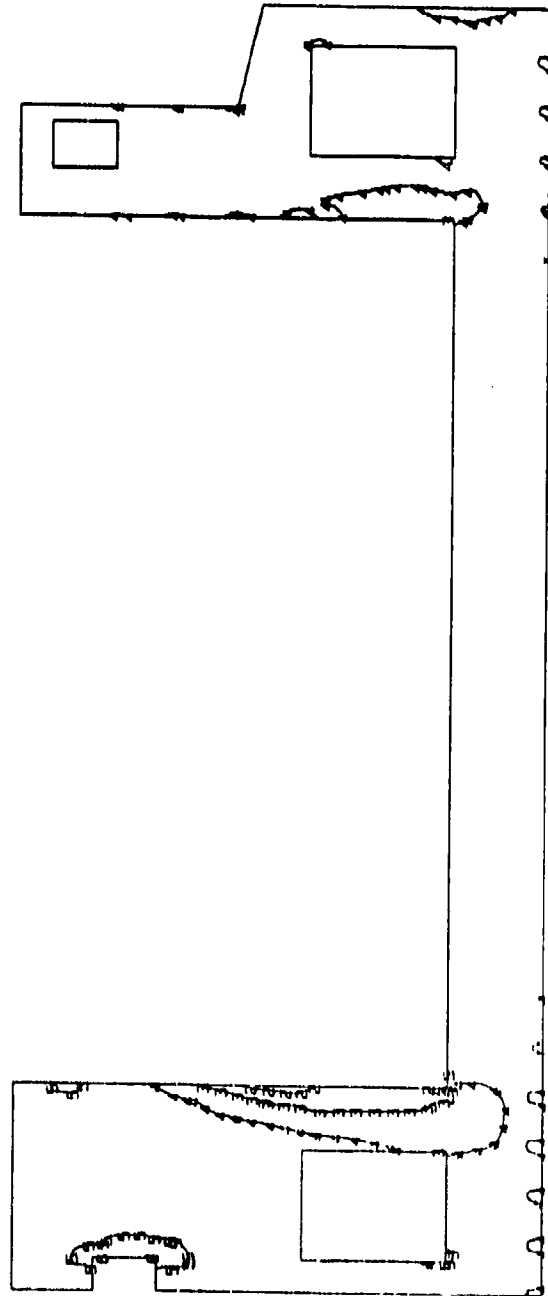
1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119
 TOTAL ACCUMULATED TIME +1 325E+02 B STEP 82 INCREMENT 13

S22
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.90E+01
5	+2.00E+01
6	+1.00E+02

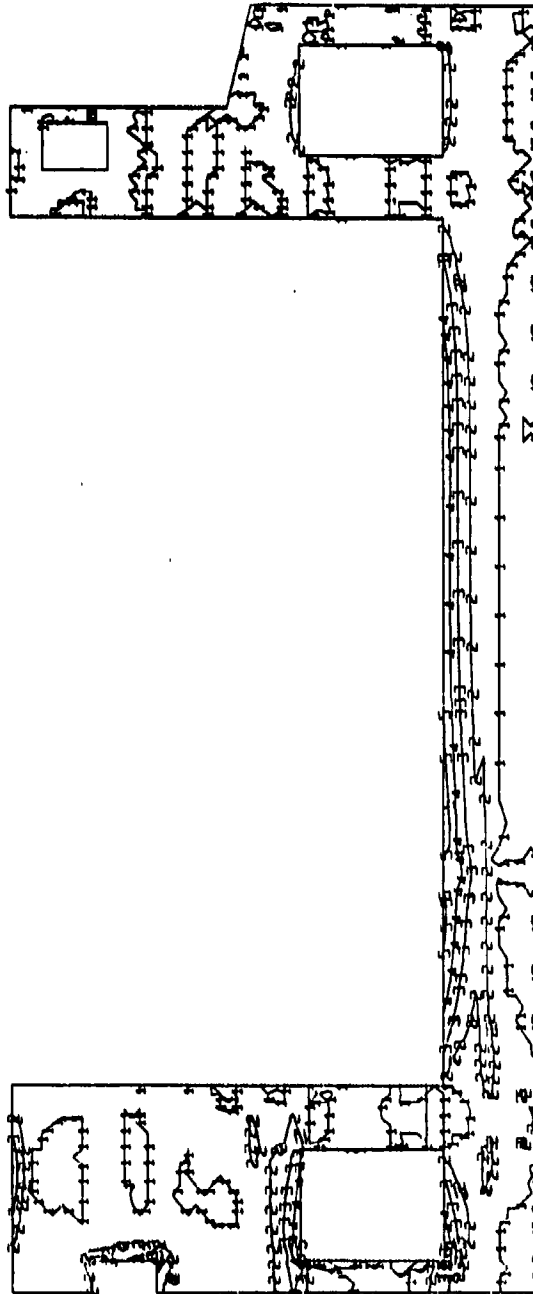


1
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.30E+01 TOTAL ACCUMULATED TIME +1.325E+02 8 STEP 82 INCREMENT 13

TIME
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.50E+02
6	+2.00E+02

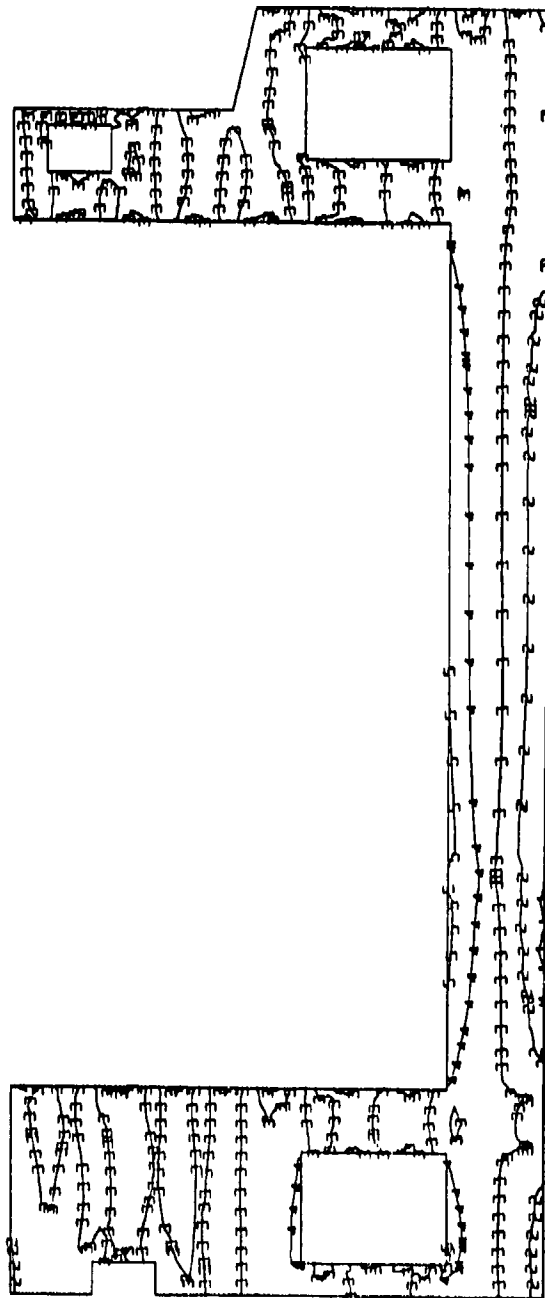


G68

OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119
TIME COMPLETED IN THIS STEP +1 300E+01 TOTAL ACCUMULATED TIME +1 325E+02 # STEP 02 INCREMENT 13

S11
VALUE

1	-2.00E+02
2	-9.99E+01
3	+1.00E-04
4	+1.00E+02
5	+2.00E+02
6	+3.00E+02

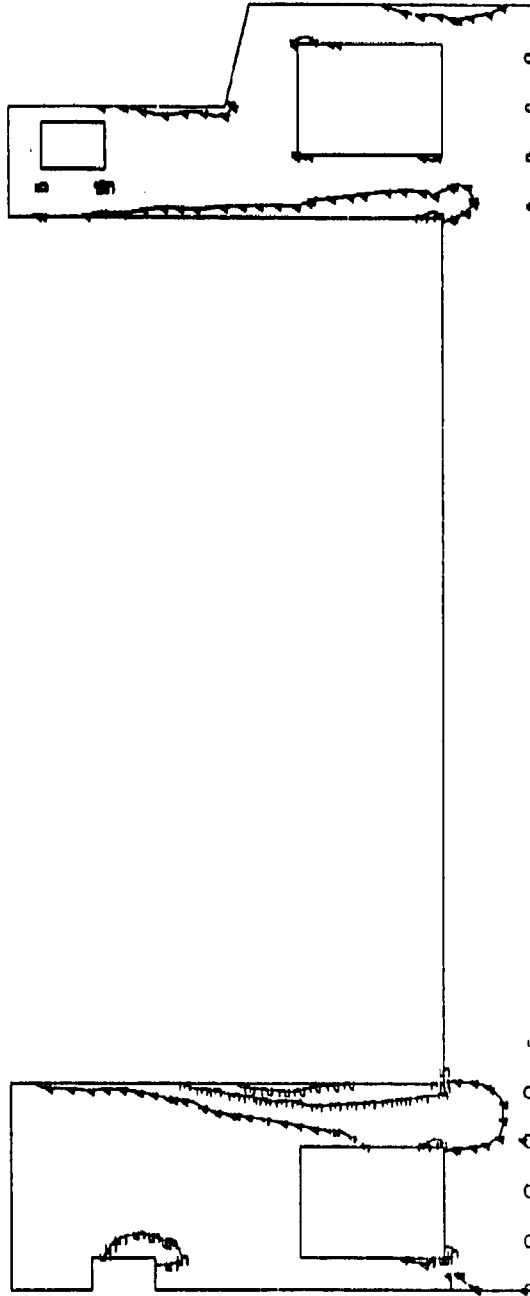


G69

1
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L119
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

S22
VALUE

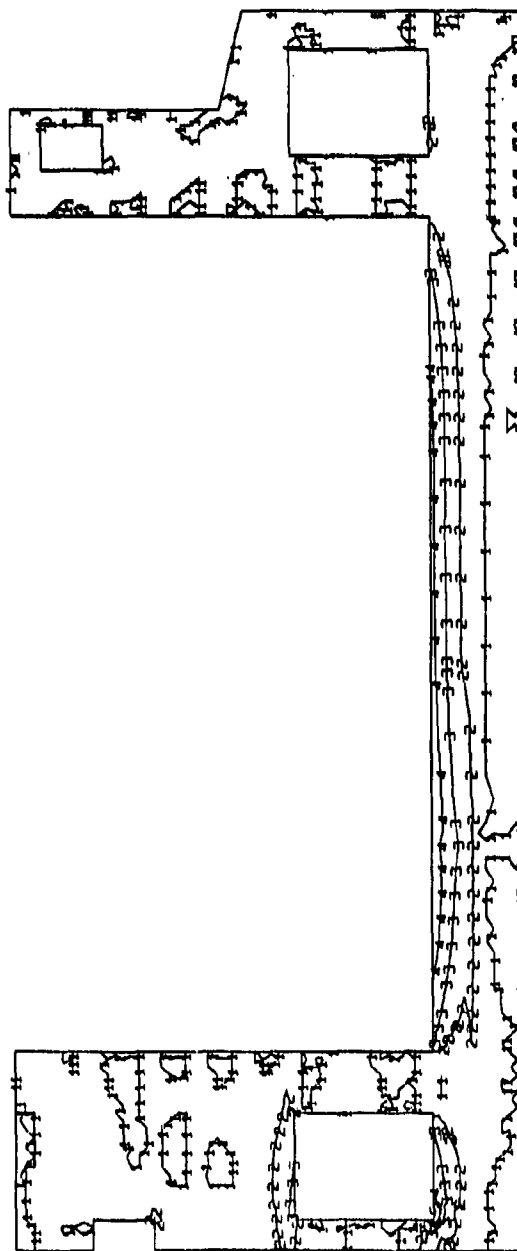
1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02



OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS. L119
 TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

PRINT
VALUE

1	+6.00E-05
2	+6.00E+01
3	+1.20E+02
4	+1.80E+02
5	+2.40E+02
6	+3.00E+02

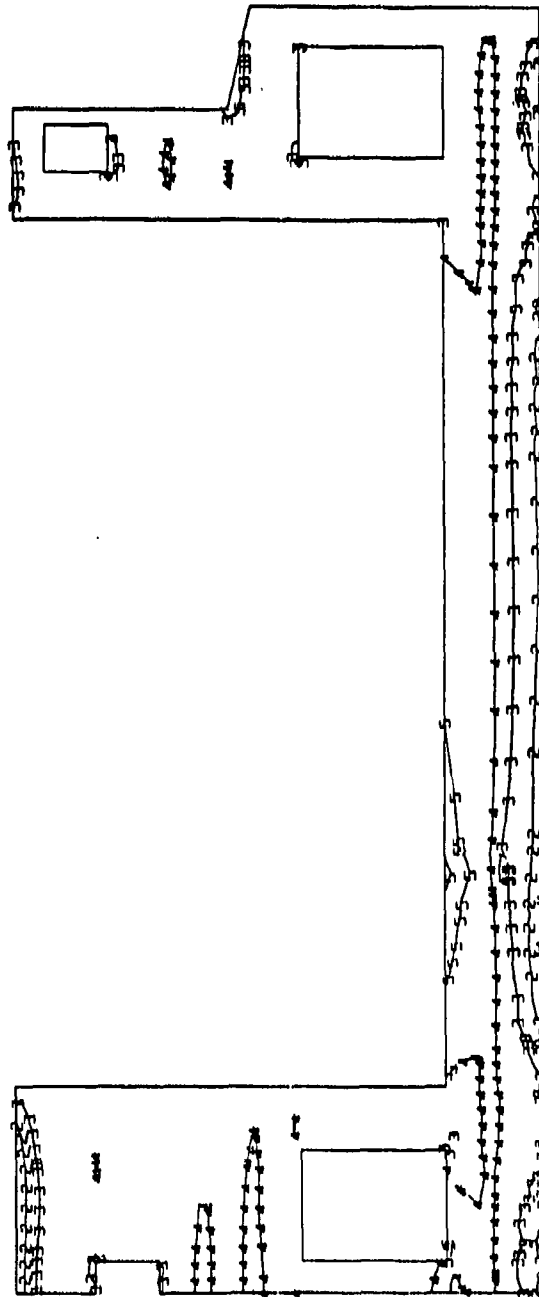


OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119
 TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

S11

VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



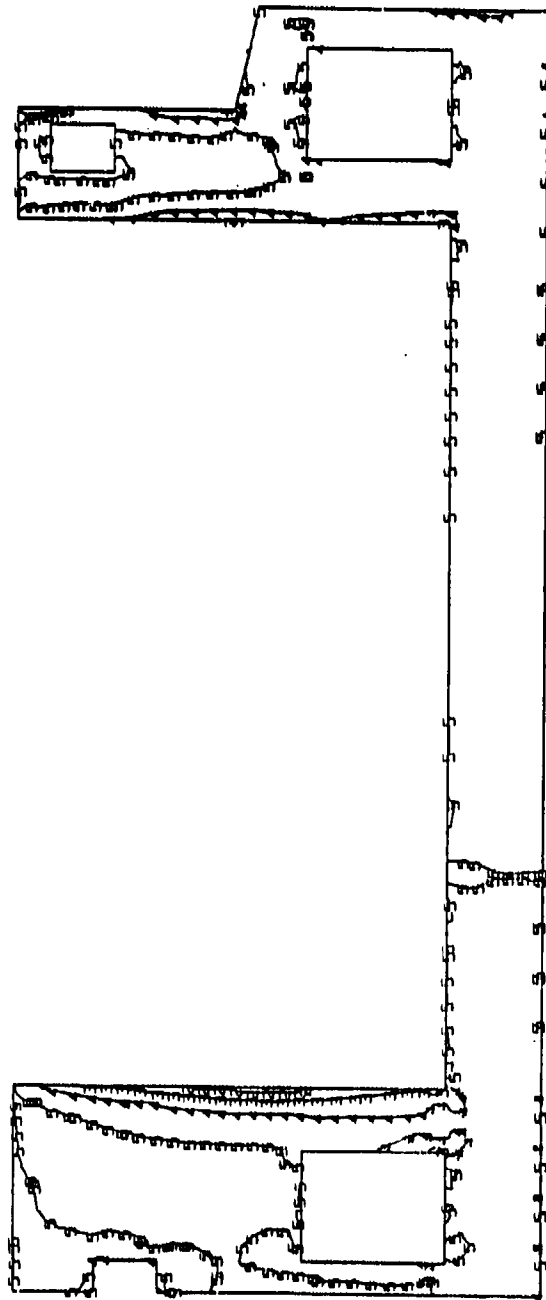
G72

OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.335E+02 STEP 84 INCREMENT 50

S22
VALUE

1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-9.99E+01
5	+1.00E-04
6	+1.00E+02



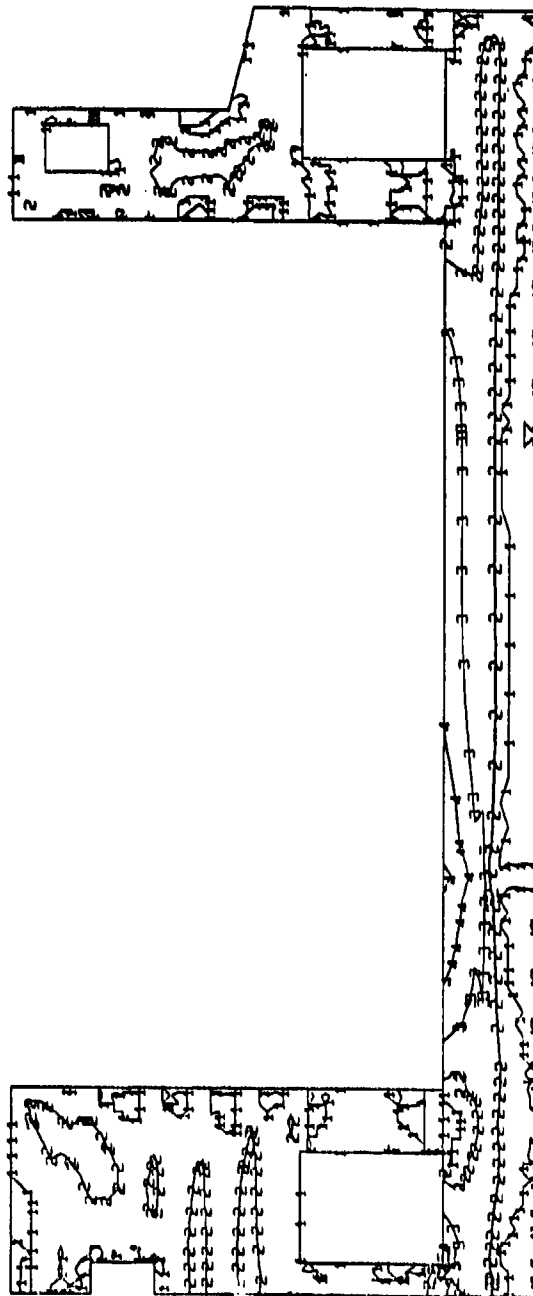
G73

OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.335E+02 STEP 84 INCREMENT 50

PRINT
VALUE

1 +4.00E-05
2 +4.00E+01
3 +8.00E+01
4 +1.20E+02
5 +1.50E+02
6 +2.00E+02



1
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.335E+02 STEP 84 INCREMENT 50

511
VALUE

1 -1.00E+02
2 -3.98E+01
3 +2.00E+01
4 +8.00E+01
5 +1.40E+02
6 +2.00E+02



1
OLMSTED. BLOCK METHOD. JUNE 20 START, PL STRN. L1_4
TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 16 INCREMENT 10

S22
VALUE
1 -5.00E+01
2 -3.20E+01
3 -1.39E+01
4 +4.00E+00
5 +2.20E+01
6 +4.00E+01



1
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STN. L1_4
TIME COMPLETED IN THIS STEP +1 000E+01 TOTAL ACCUMULATED TIME +2 950E+01 STEP 16 INCREMENT 10

533

VALUE
1 -1.07E+02
2 -5.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

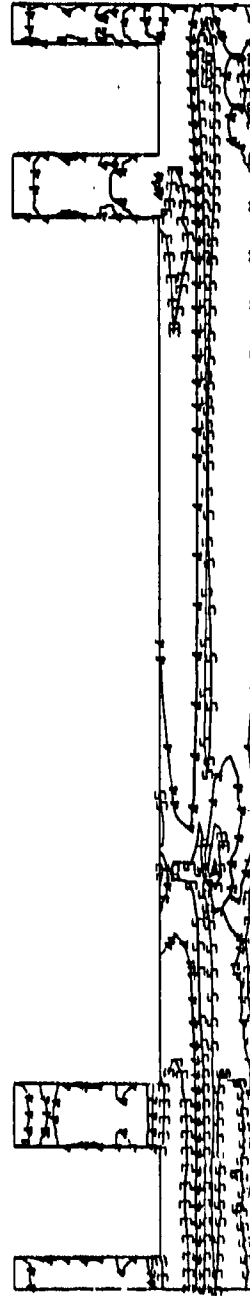


OLMSTED, BLOCK METHOD, JUNE 20 START, PL STAN, L1_4

TIME FINISHED THE DATA STEP +1.00E+01 TOTAL ACCUMULATED TIME +2.00E+01 STEP 16 INCREMENT 10

S11
VALUE

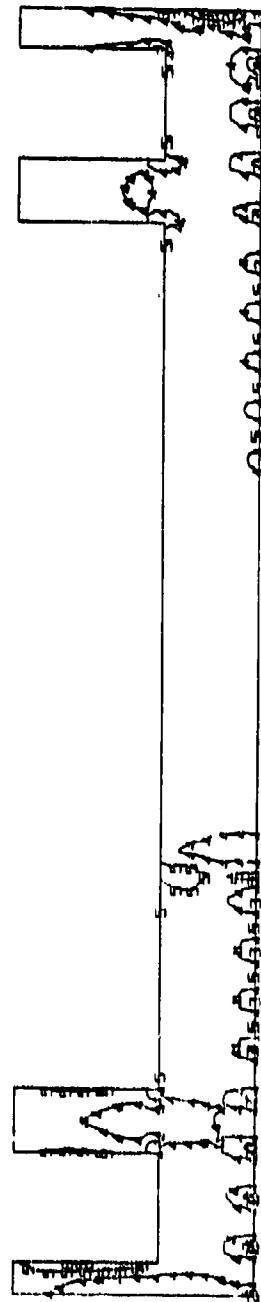
1	-6.00E+01
2	-4.00E+01
3	-1.95E+01
4	+2.00E-05
5	+2.00E+01
6	+4.00E+01



OLMSTED. BLOCK METHOD. JUNE 20 START, PL STRN, L1_8
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.450E+01 STEP 33 INCREMENT 15

S22
VALUE

1	-7.00E+01
2	-5.20E+01
3	-3.40E+01
4	-1.55E+01
5	+2.00E+00
6	+2.00E+01



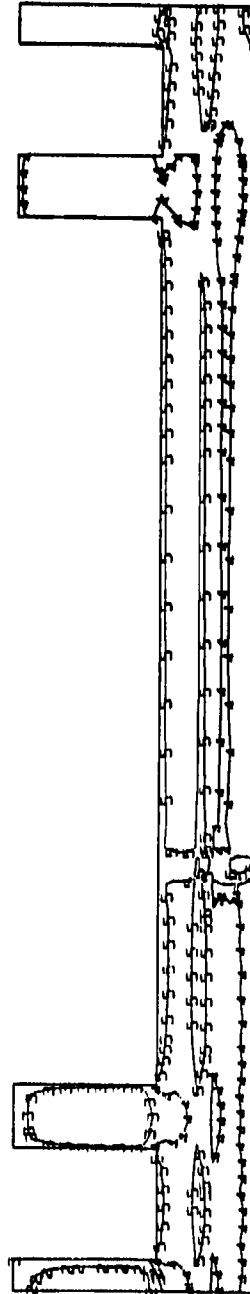
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STN, L1_B
TIME COMPLETED IN THIS STEP +1 500E+01 TOTAL ACCUMULATED TIME +6 450E+01 STEP 33 INCREMENT 15

533

VALUE

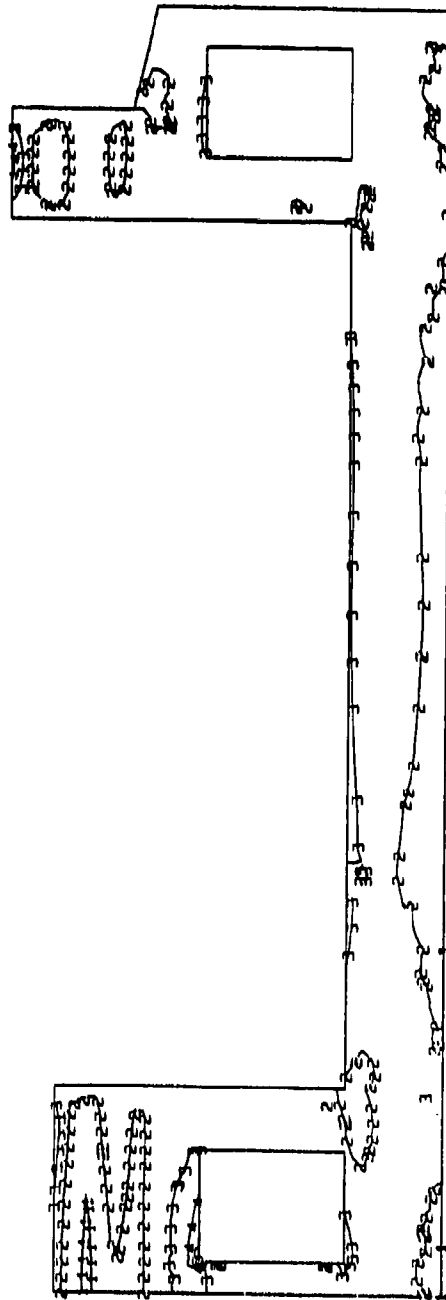
1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02

G80



1
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRN, L1_8
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

S11
VALUE
1 -1.00E+02
2 -1.99E+01
3 +6.00E+01
4 +1.40E+02
5 +2.20E+02
6 +3.00E+02



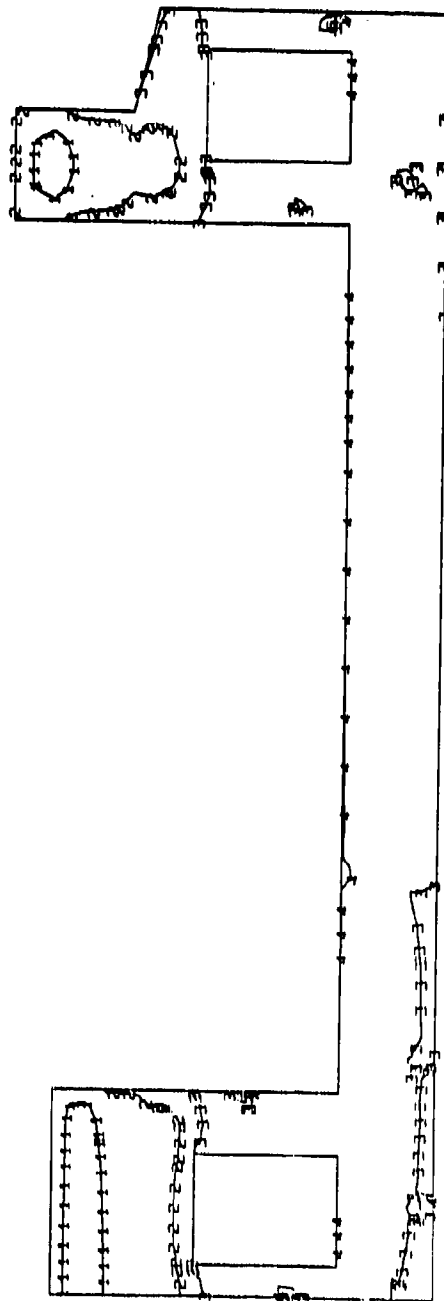
1
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STN, L114
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6

1
OLMSTED, BLOCK METHOD. JUNE 20 START, PL STAN, L114
TIME POSTED BY TUBE STOP 13.0000000 TOTAL ACCELERATION TIME 10.0000000 STEP 60 INCREMENT 6

S33
VALUE

1	-9.95E+01
2	+4.00E+01
3	+1.80E+02
4	+3.20E+02
5	+4.60E+02
6	+6.00E+02

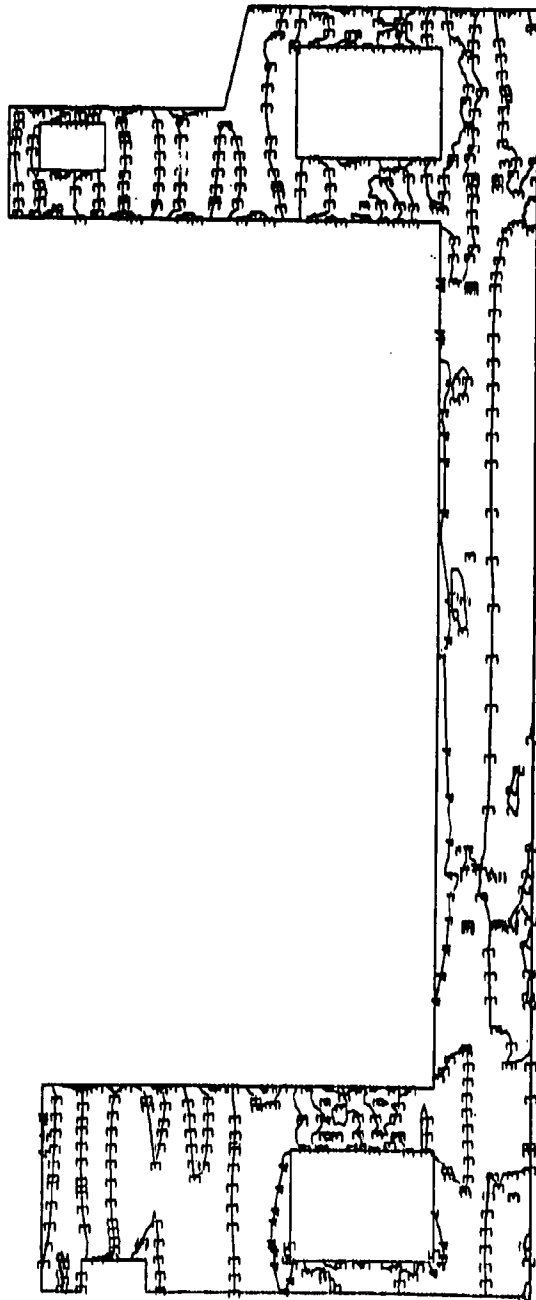
G83



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRN. L114
 TIME COMPLETED IN THIS STEP +3 00:05:00 TOTAL ACCUMULATED TIME +9 45:06:01 STEP 59 INCREMENT 5

S11
VALUE

1	-2.00E+02
2	-9.59E+01
3	+1.00E-04
4	+1.00E+02
5	+2.00E+02
6	+3.00E+02

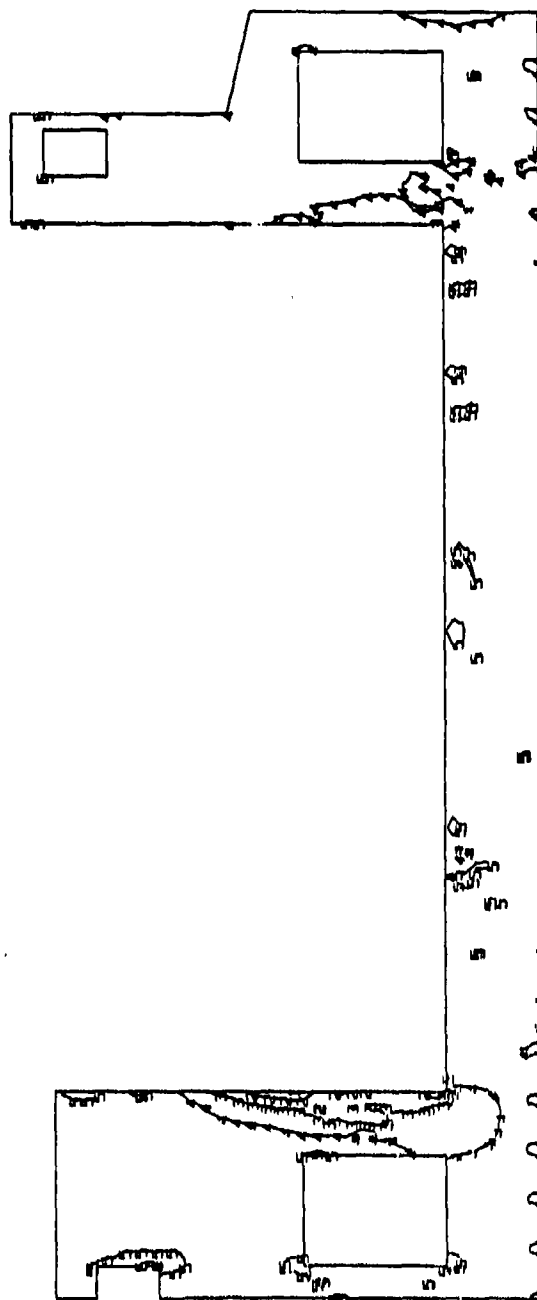


G84

1
OLMSTED, BLOCK METHOD. JUNE 20 START, PL STN, L118

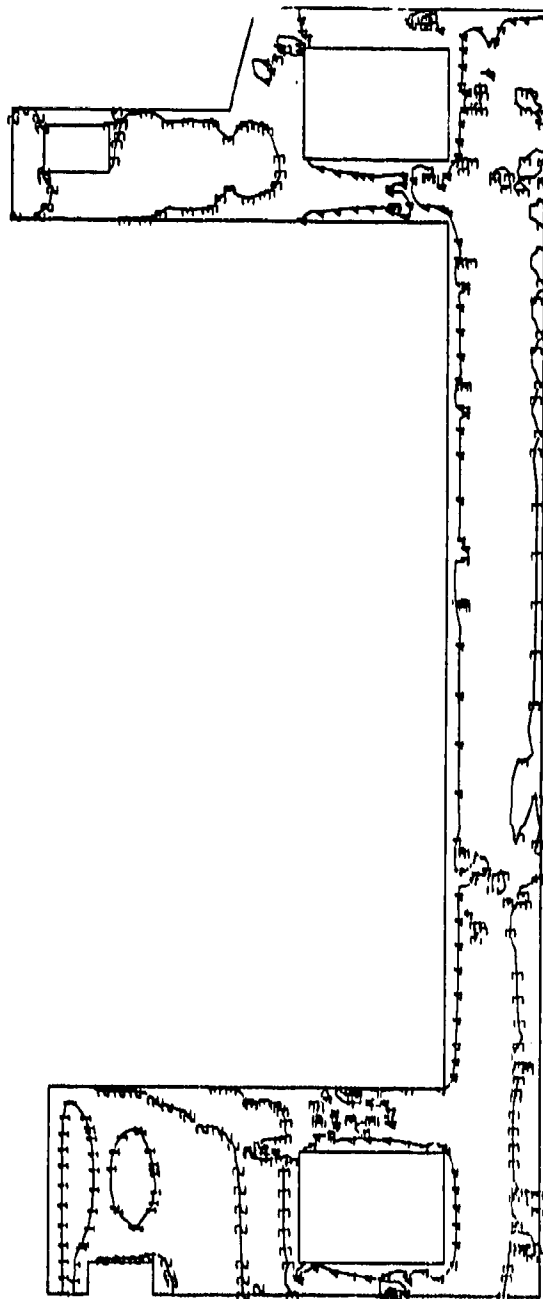
TIME ELAPSED IN THIS STEP +5.00E-01 TOTAL ACCUMULATED TIME +3.145E+02 8 STEP 77 INCREMENT 1

S22
VALUE
1 -3.00E+02
2 -2.20E+02
3 -1.40E+02
4 -5.90E+01
5 +2.00E+01
6 +1.00E+02



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STAN. L118
TIME COMPLETED IN THIS STEP +5.00E-01 TOTAL ACCUMULATED TIME +1.145E+02 STEP 77 INCREMENT 1

533
 VALUE
 1 -9.99E+01
 2 +6.00E+01
 3 +2.20E+02
 4 +3.80E+02
 5 +5.40E+02
 6 +7.00E+02

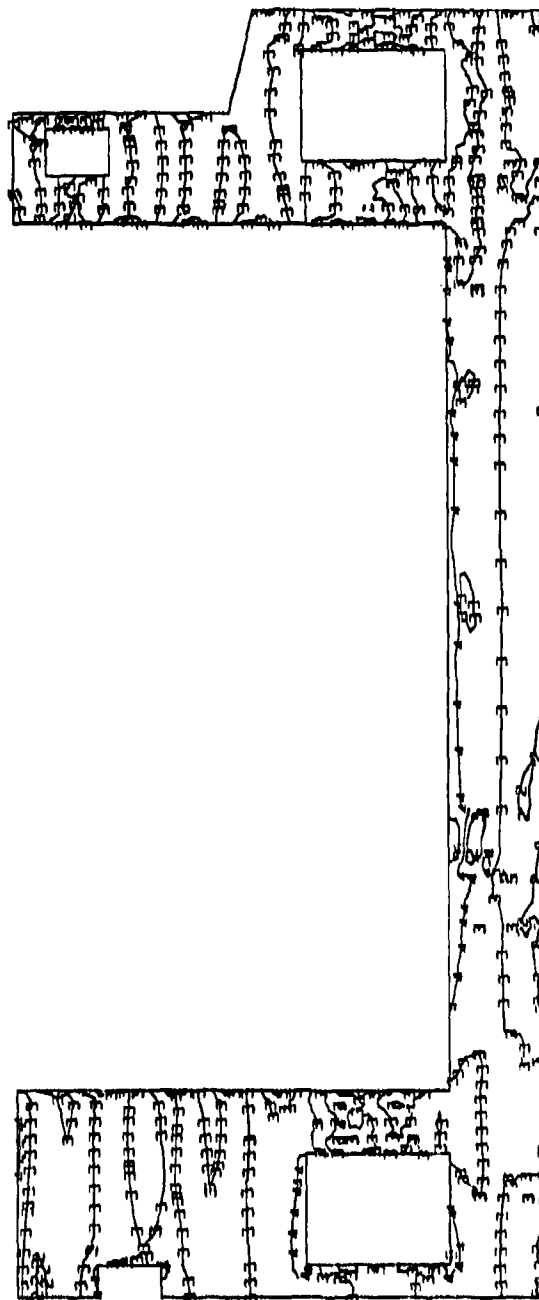


G86

1
 OLMSTED, BLOCK METHOD, JUNE 20 START, PL STIN, L118
 TIME PROPORTION TO THIS STEP AS ABOVE
 TOTAL ACCUMULATED TIME +1.45E+02 H STEP 77 IMPROVED 1

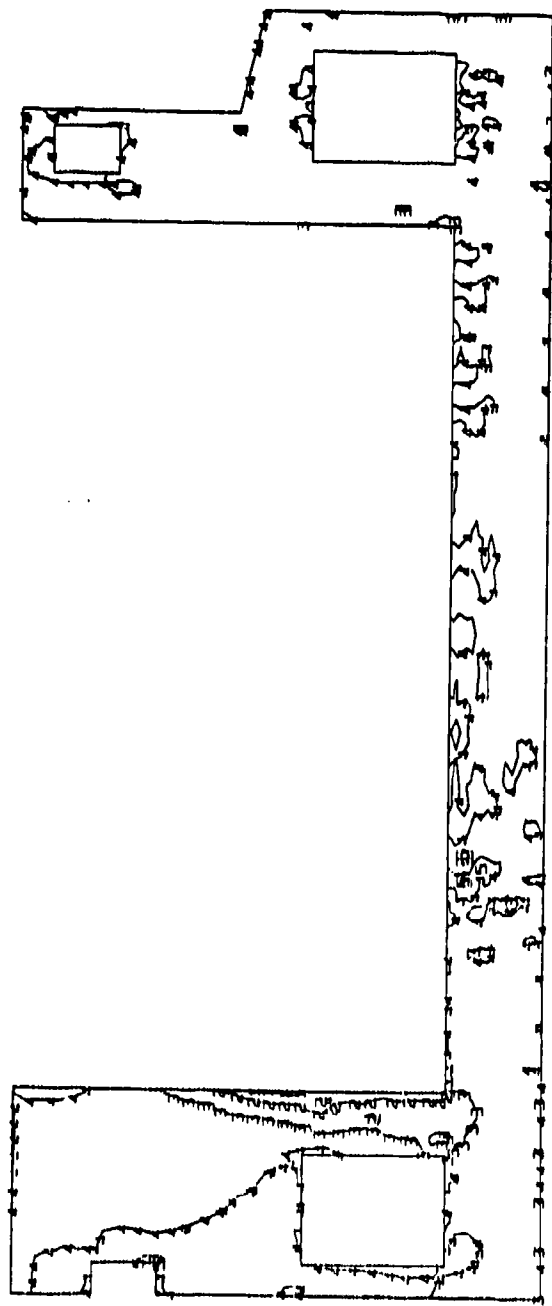
S11
VALUE

1	-2.80E+02
2	-9.95E+01
3	+1.00E-04
4	+1.00E+02
5	+2.00E+02
5	+3.00E+02



OLMSTED, BLOCK METHOD. JUNE 20 START. PL STN. L119
TIME CREDITED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 205E+02 STEP 01 INCREMENT 6

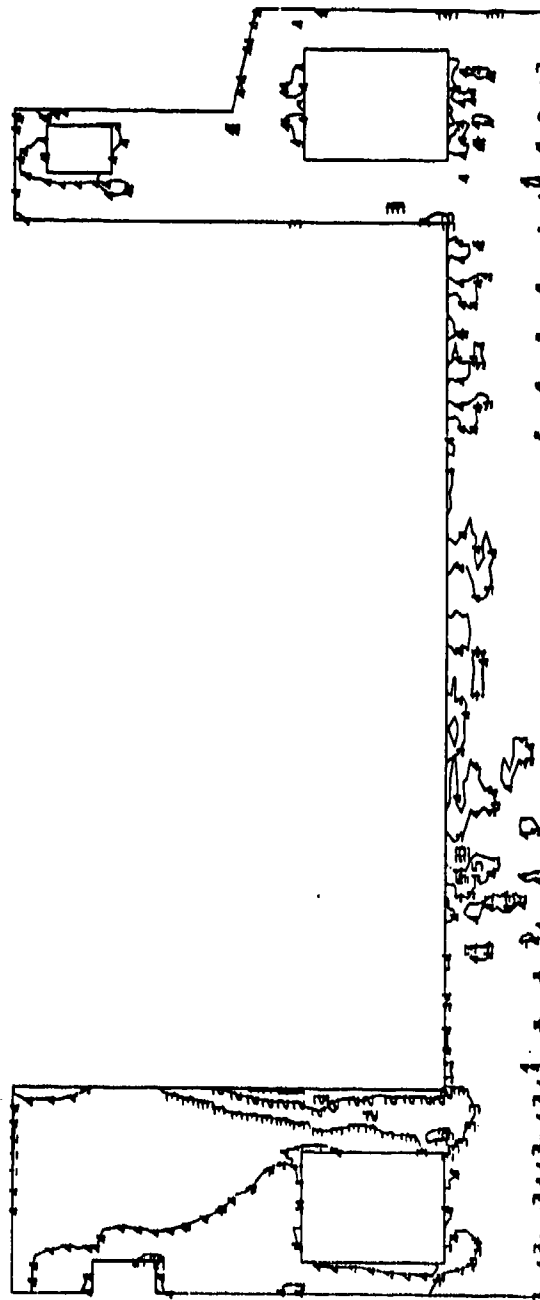
S22
VALUE
1 -3.00E+02
2 -2.00E+02
3 -9.99E+01
4 +1.00E-04
5 +1.00E+02
6 +2.00E+02



1
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STN. L119
TOTAL ADJUSTED TIME +1.105E+02 P STEP 81 INCREMENT 5

S22
VALUE

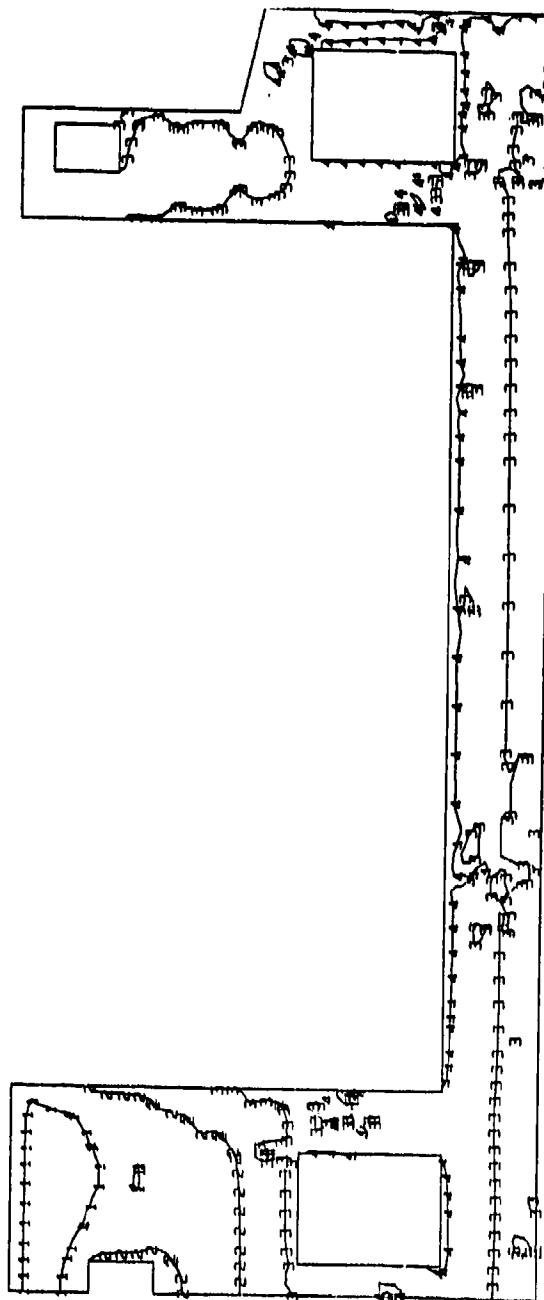
1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STAN. L119

S33
VALUE

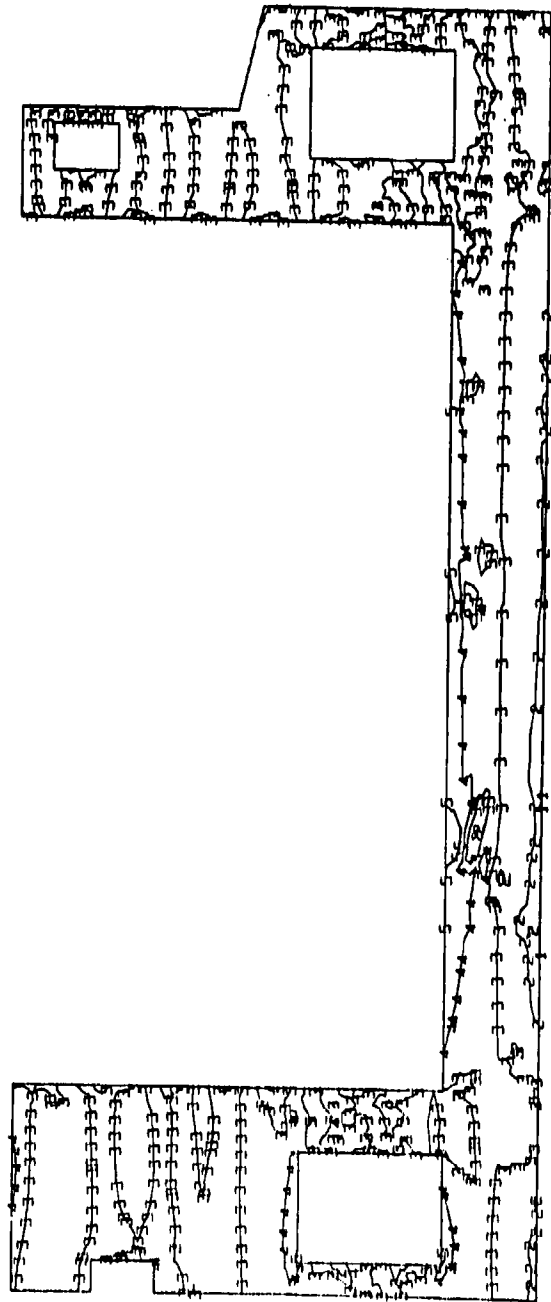
1	-9.99E+01
2	+8.00E+01
3	+2.60E+02
4	+4.40E+02
5	+5.20E+02
6	+8.00E+02



1
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STAN, L119
TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1.195E+02 # STEP 81 INCREMENT 6

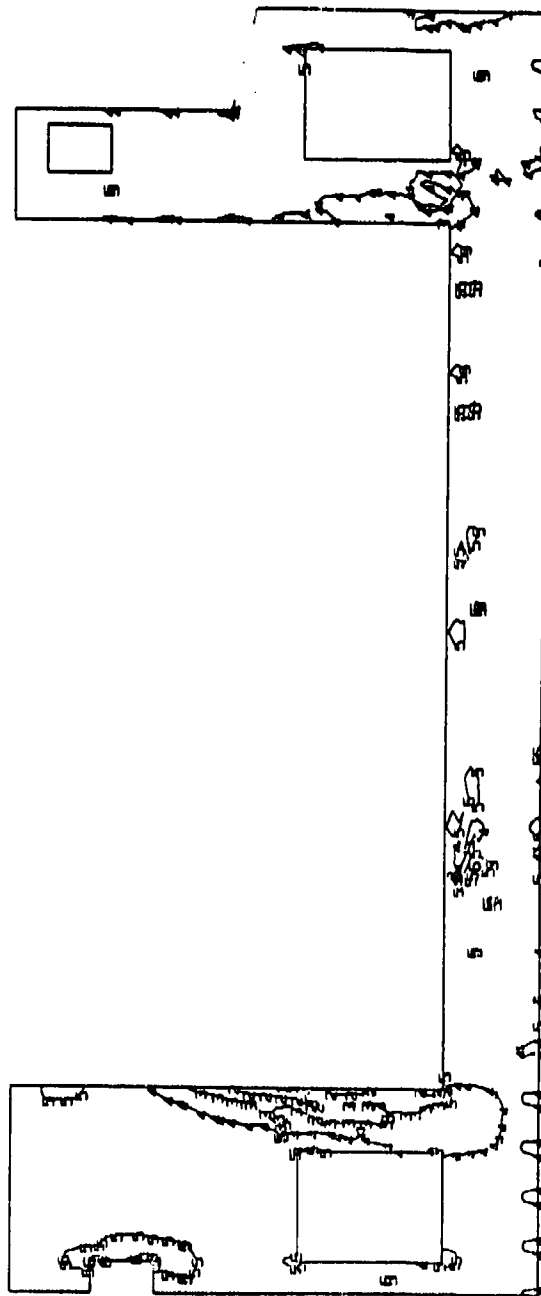
S11
VALUE

1	-2.00E+02
2	-9.99E+01
3	+1.00E-04
4	+1.00E+02
5	+2.00E+02
6	+3.00E+02



OLMSTED, BLOCK METHOD. JUNE 20 START, PL STAN. L119
TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.155E+02 S STEP 01 INCREMENT 6

S22
VALUE
1 -3.00E+02
2 -2.20E+02
3 -1.40E+02
4 -5.99E+01
5 +2.00E+01
6 +1.00E+02

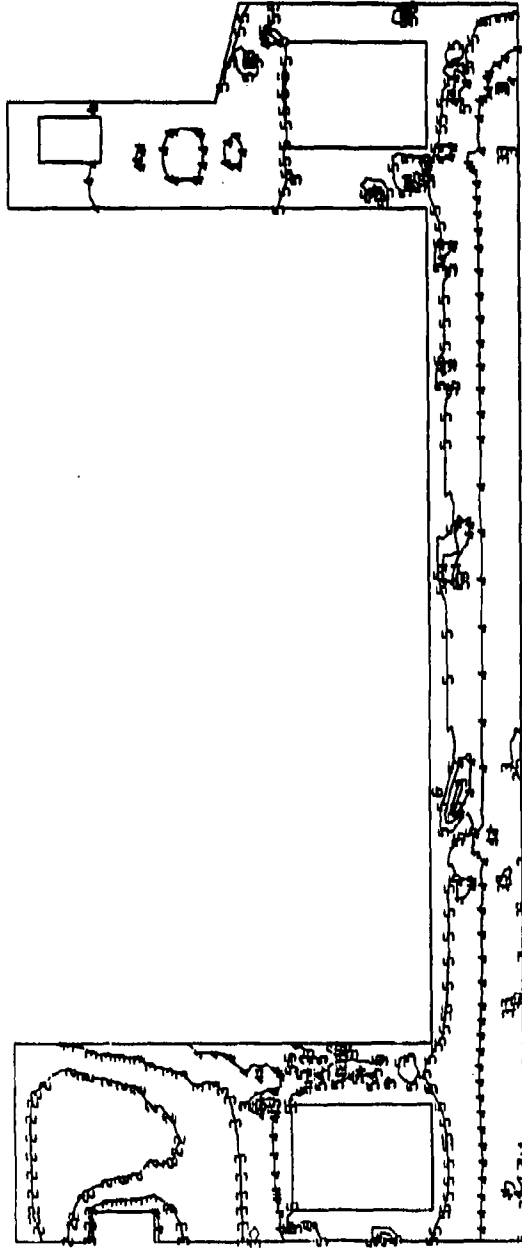


1
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRN. L119
TIME ELAPSED IN THIS STEP +1 703E+01 TOTAL ACCUMULATED TIME +1 325E+02 IN STEP 82 INCREMENT 13

533

VALUE

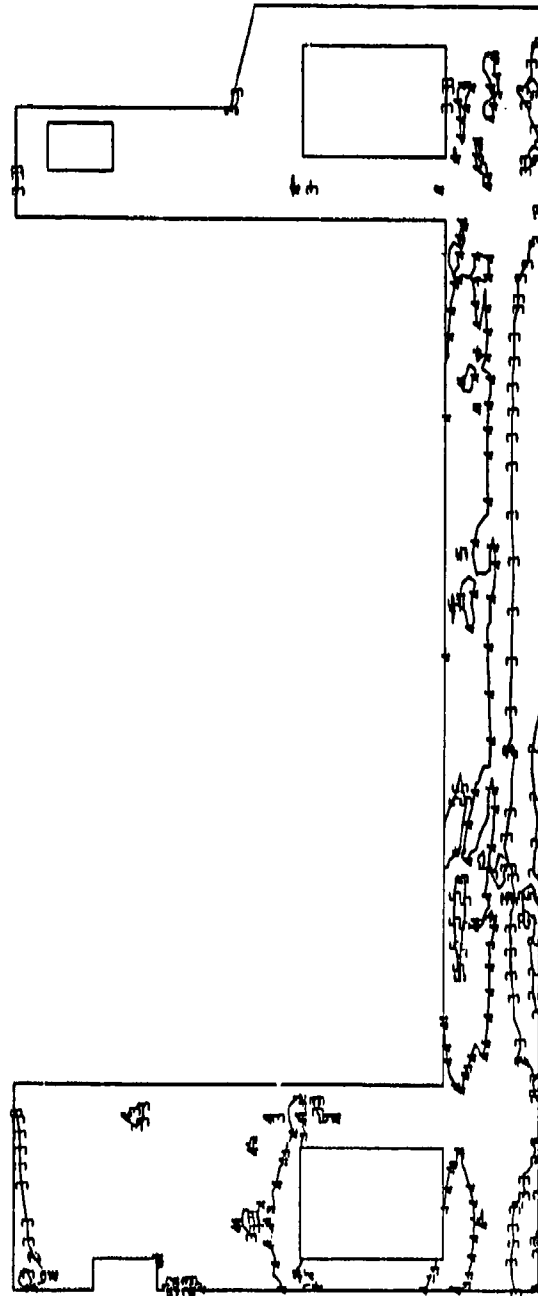
1	-9.99E+01
2	+4.00E+01
3	+1.80E+02
4	+3.20E+02
5	+4.60E+02
6	+6.00E+02



G93

OLMSTED. BLOCK METHOD. JUNE 20 START. PL STN. L119
 TIME COMPLETED IN THIS STEP +1 30DE+01 TOTAL ACCUMULATED TIME +1 32DE+02 9 STEP 82 INCREMENT 13

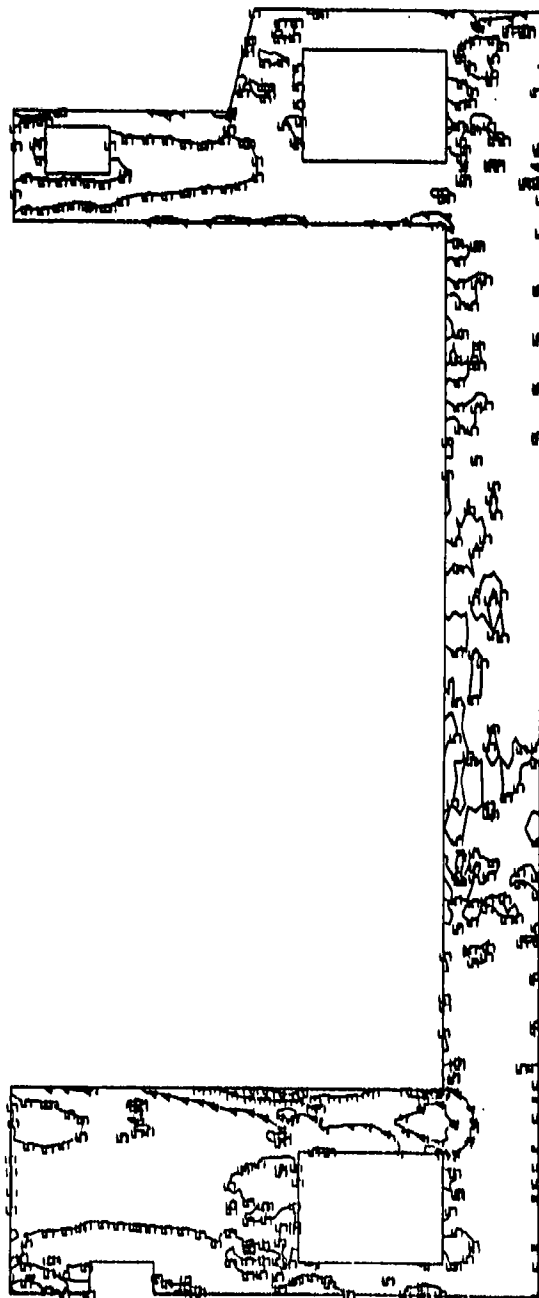
S11
VALUE
1 -3.00E+02
2 -1.80E+02
3 -5.99E+01
4 +6.00E+01
5 +1.80E+02
6 +3.00E+02



G94

OLMSTED, BLOCK METHOD. JUNE 20 START, PL STN. L119
TIME COMPLETED IN THIS STEP +5 00E+01 TOTAL ACCUMULATED TIME +1 02E+02 # STEP 94 INCREMENT 25

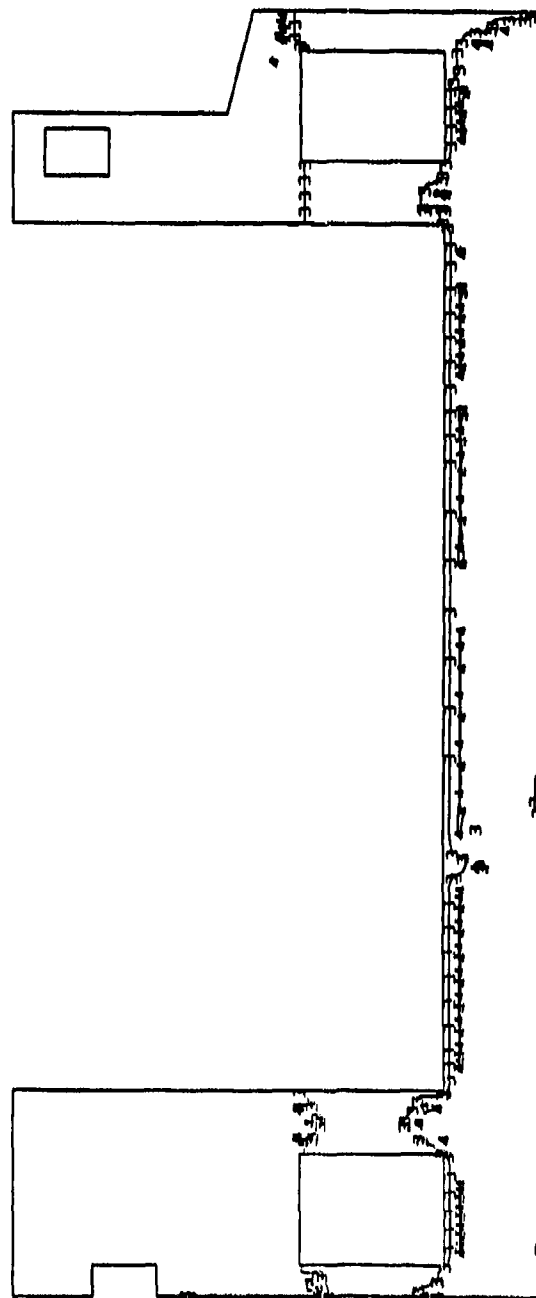
S22
VALUE
1 -4.00E+02
2 -3.00E+02
3 -2.00E+02
4 -9.99E+01
5 +1.00E-04
6 +1.00E+02



1
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STAN, L119

TIME PROPORTION TO TIME STEP AS 100E+01 TOTAL ACCUMULATED TIME 41 03E+02 8 CTD R4 THROUGHT 26

S33
VALUE
1 -1.00E+03
2 -3.99E+02
3 +2.00E+02
4 +8.00E+02
5 +1.40E+03
6 +2.00E+03

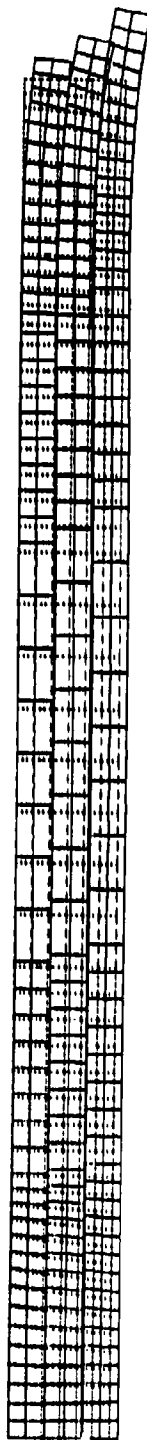


G96

OLMSTED, BLOCK METHOD. JUNE 20 START. PL STRN. L119
TIME COMPLETED IN THIS STEP +5 000E+01 TOTAL ACCUMULATED TIME +1 835E+02 # STEP 84 INCREMENT 25

APPENDIX H: MIXTURE 6 DISPLACEMENT PLOTS

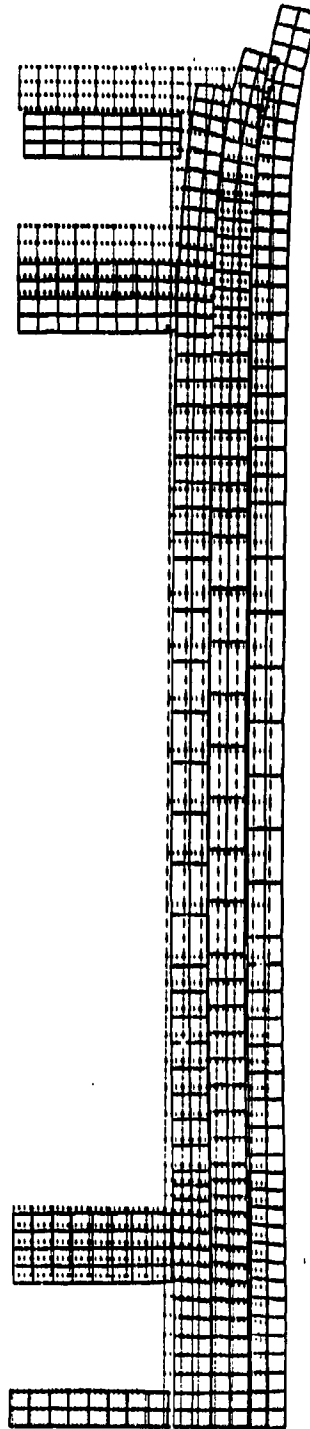
U
MAG. FACTOR = +5.5E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



H3

1
OLMSTED, STRIP METHOD. JUNE 20 START, PL STRN, L1_3
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.950E+01 S STEP 14 INCREMENT 5

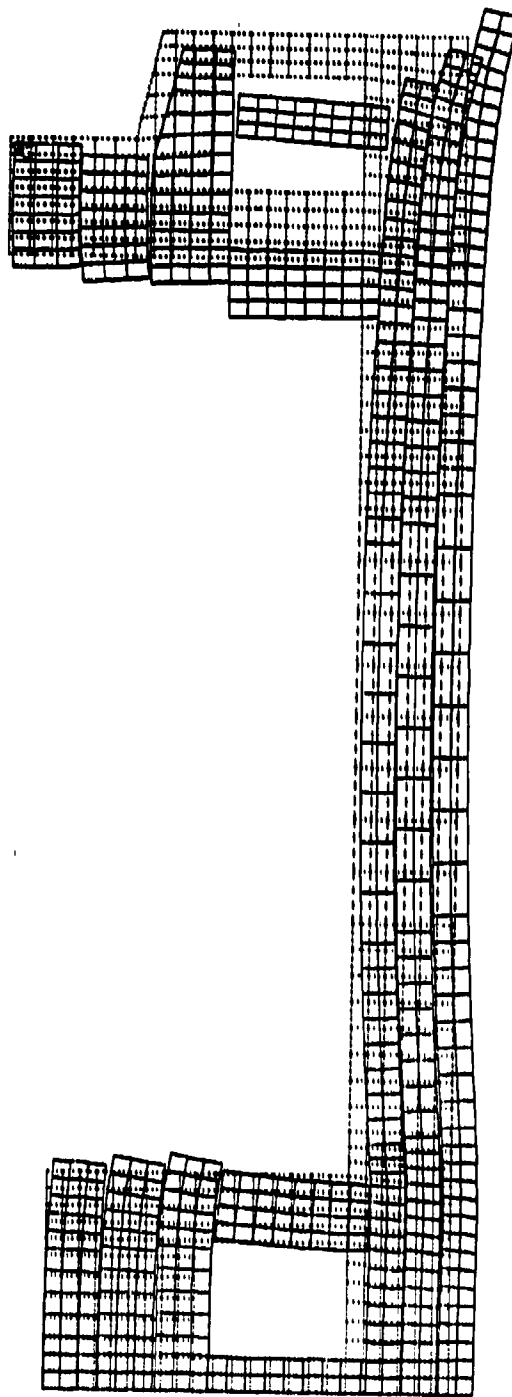
U
MAG. FACTOR = +8.6E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



H4

1
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L1_8
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT 15

U
 MAG. FACTOR = +7.8E+02
 SOLID LINES - DISPLACED MESH
 DASHED LINES - ORIGINAL MESH

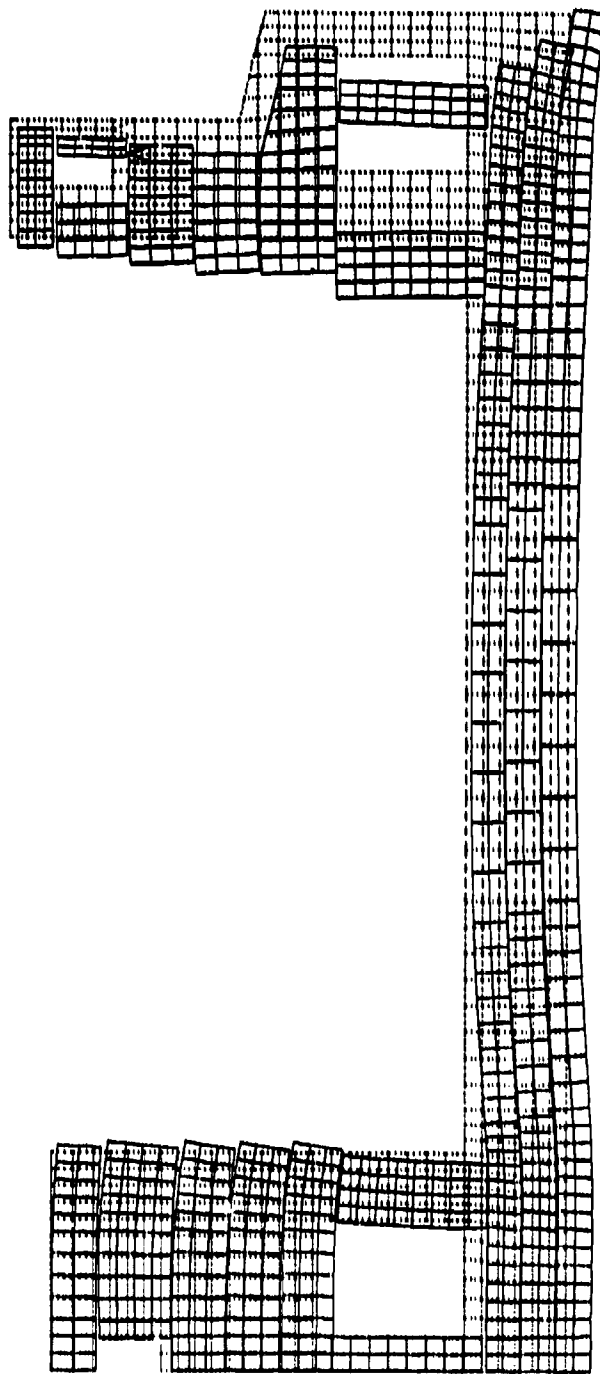


H5

1
 OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 57 INCREMENT 6

U
MAG. FACTOR = +6.0E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

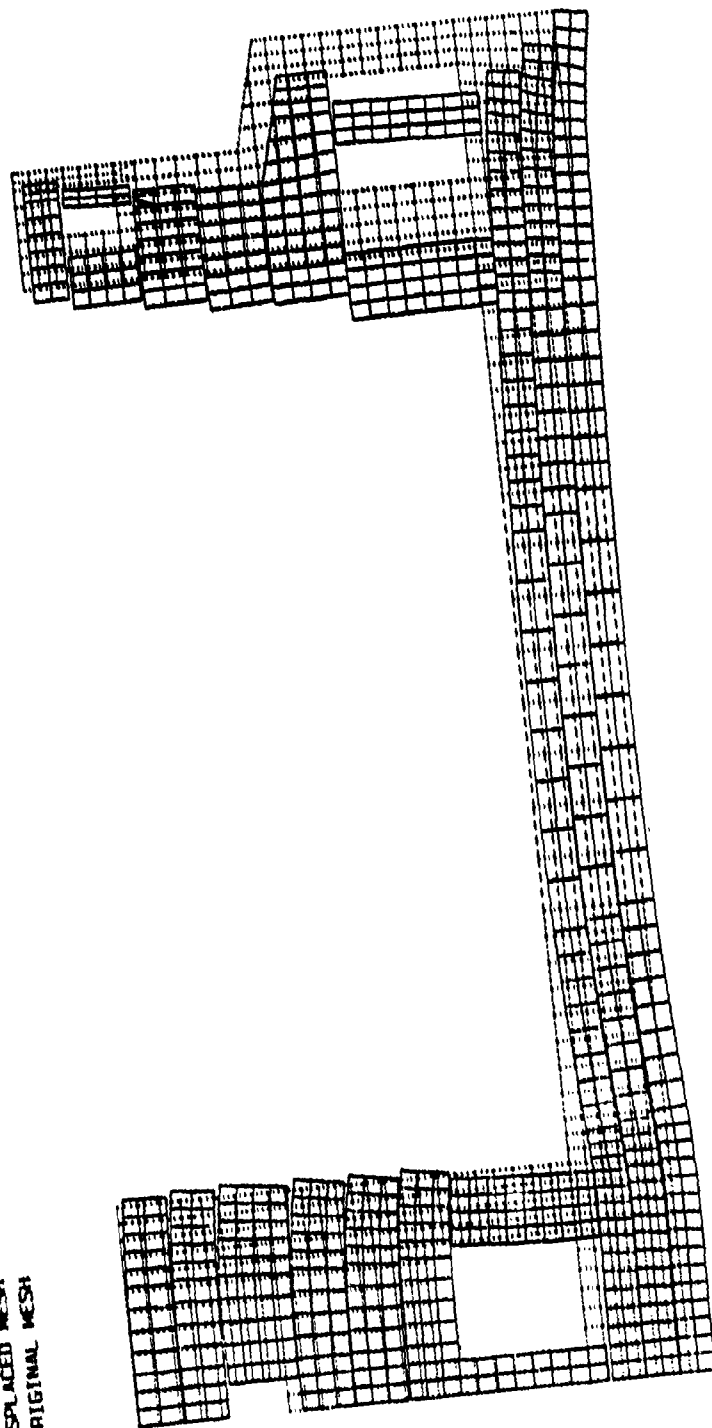


H6

OLMSTED, STRIP METHOD, JUNE 20 START, PL STN. L118

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.145E+02 R STEP 75 INCREMENT 1

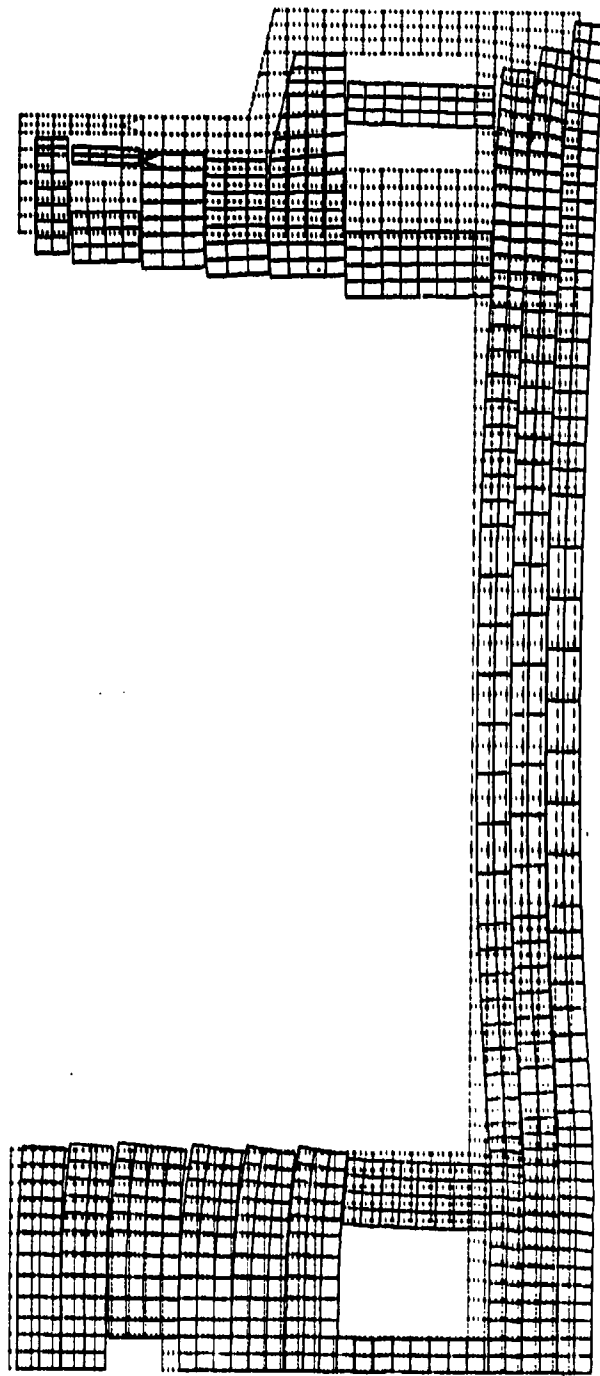
U
MAG. FACTOR = $+5.6E+02$
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



H7

OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L119
TIME COMPLETED IN THIS STEP 4.9 000E+01
TOTAL ACCUMULATED TIME 2.1 105E+02 S STEP 79 INCREMENT 6

U
MAG. FACTOR = $+4.9E+02$
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

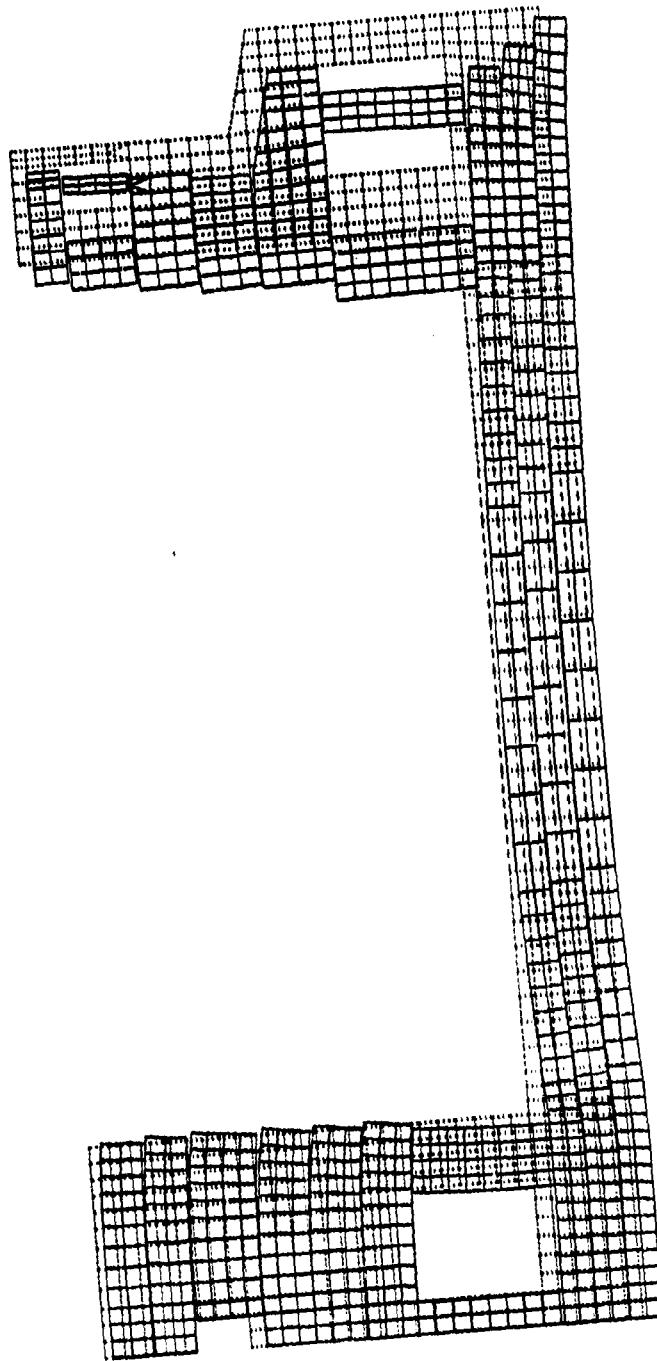


H8

OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN, L119

TIME COMPLETED IN THIS STEP $+1.300E+01$ TOTAL ACCUMULATED TIME $+1.325E+02$ B STEP 80 INCREMENT 13

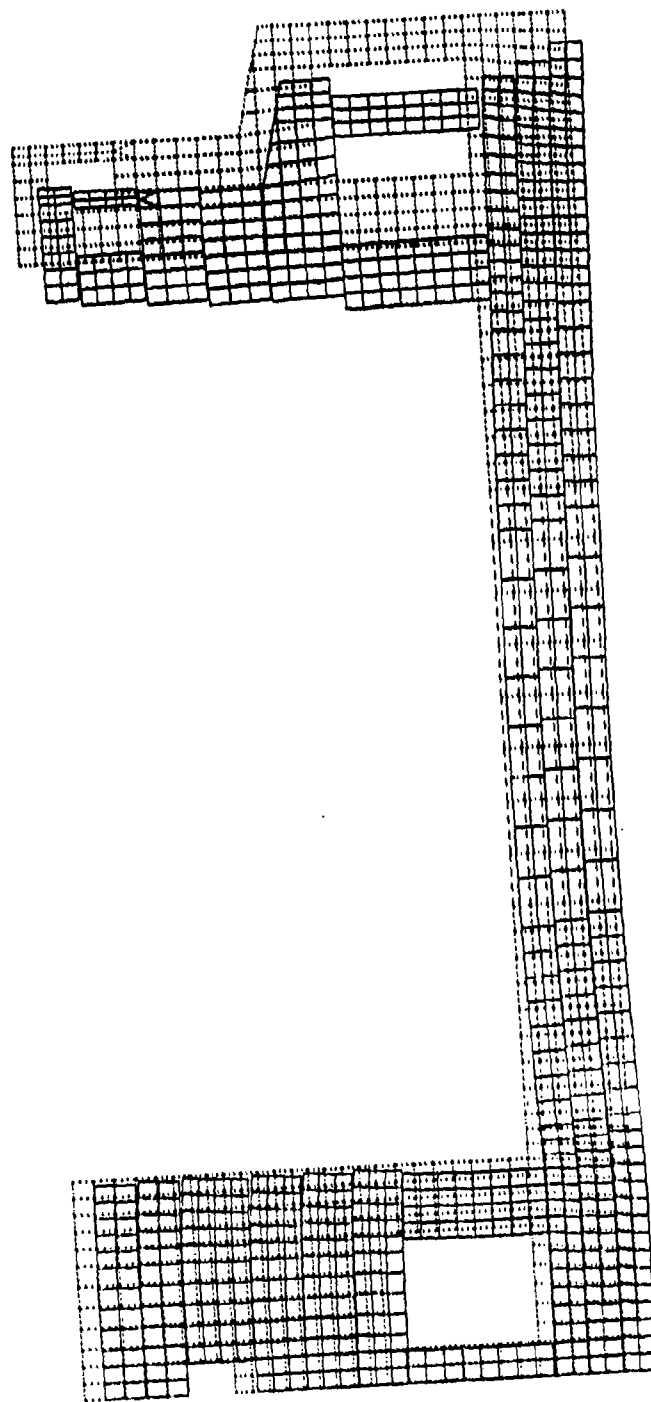
U
MAG. FACTOR = $+4.8E+02$
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



H9

1
OLMSTED, STRIP METHOD, JUNE 20 START, PL STPN, L119
TIME COMPLETED IN THIS STEP $+1.00E+00$ STEP 81 INCREMENT :
TOTAL ACCUMULATED TIME $+1.235E+02$ S

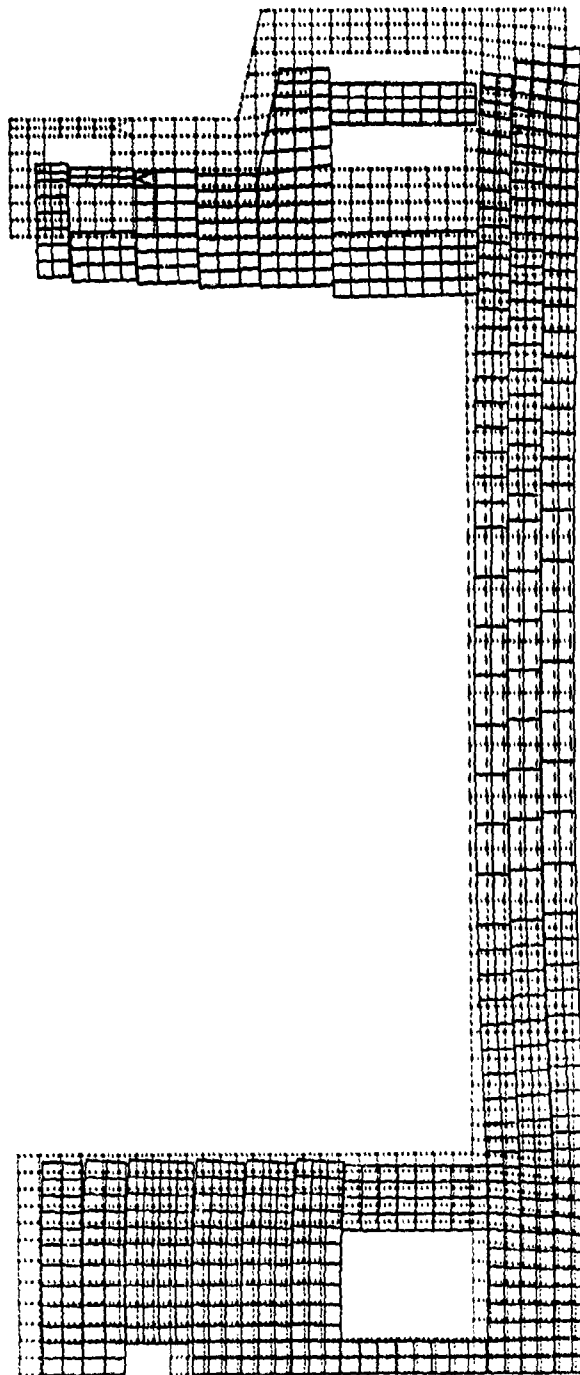
U
MAG. FACTOR = $+3.1E+02$
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



H10

OLMSTED. STRIP METHOD. JUNE 20 START. PL STPN. L119
TOTAL ACCUMULATED TIME $+1.435E+02$ X STEP 82 INCREMENT 25
TIME CONSUMED TO THIS STEP $+5.00E+01$

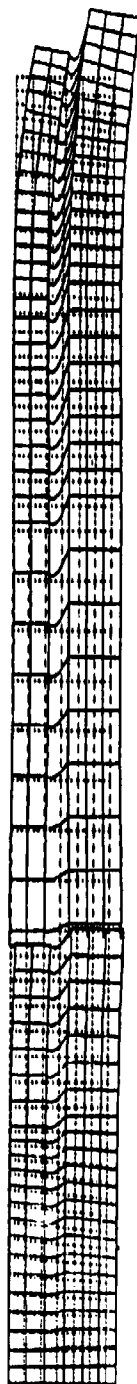
U
MAG. FACTOR = $+2.7E+02$
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



H11

1
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L119
TIME COMPLETED IN THIS STEP $+1.007E+02$ TOTAL ACCUMULATED TIME $+2.335E+02$ STEP 82 INCREMENT 50

U
MAG. FACTOR = +7.1E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



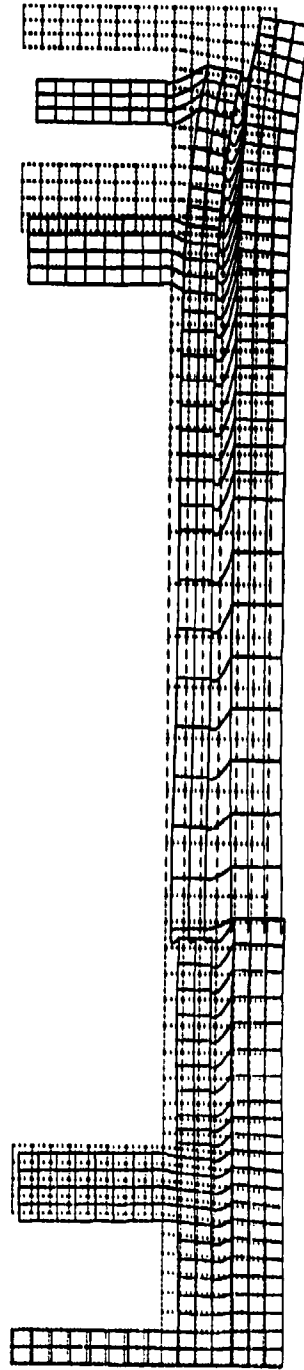
H12

1

OLMSTED. BLOCK METHOD. JUNE 20 START, PL STRN, L1_4

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.950E+01 # STEP 15 INCREMENT 6

U
MAG. FACTOR = +8.6E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

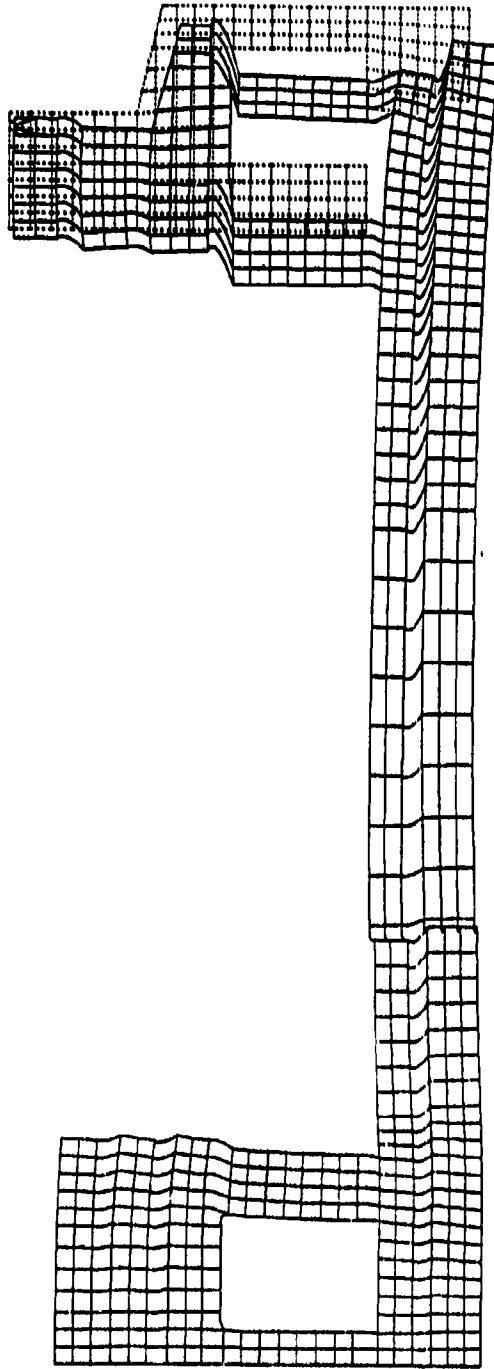


H13

1
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STAN, L1_8

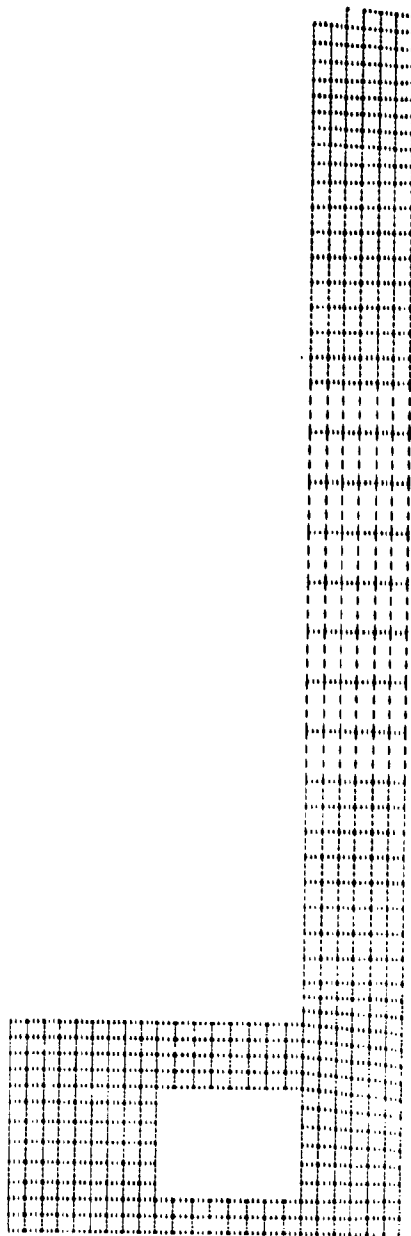
TIME COMPLETED IN THIS STEP +: 500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

U
MAG. FACTOR = +5.5E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

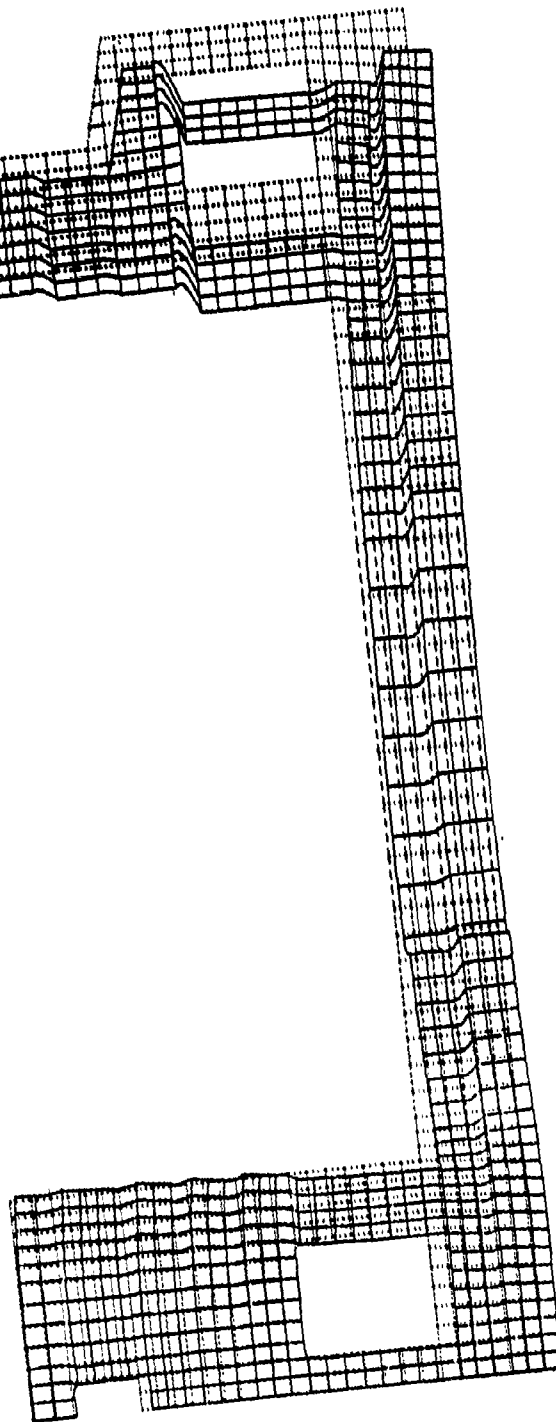


1

OLMSTED, BLOCK METHOD, JUNE 20 START, PL STN, L114
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6



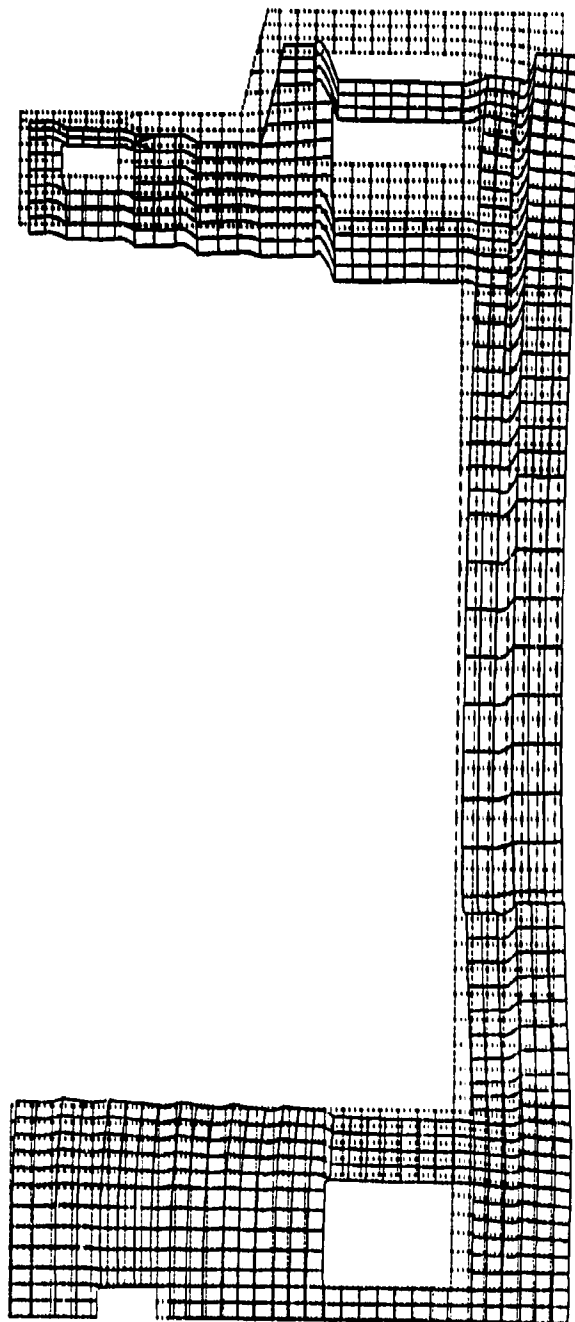
U
MAG. FACTOR = $+4.4E+02$
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



H16

OLMSTED, BLOCK METHOD. JUNE 20 START. PL STN. L118
TOTAL ACCUMULATED TIME $+1.15E+02$ STEP 77 INCREMENT 1
TIME REQUIRED TO RUN THIS CASE 0.01

U
MAG. FACTOR = $+4.1E+02$
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH

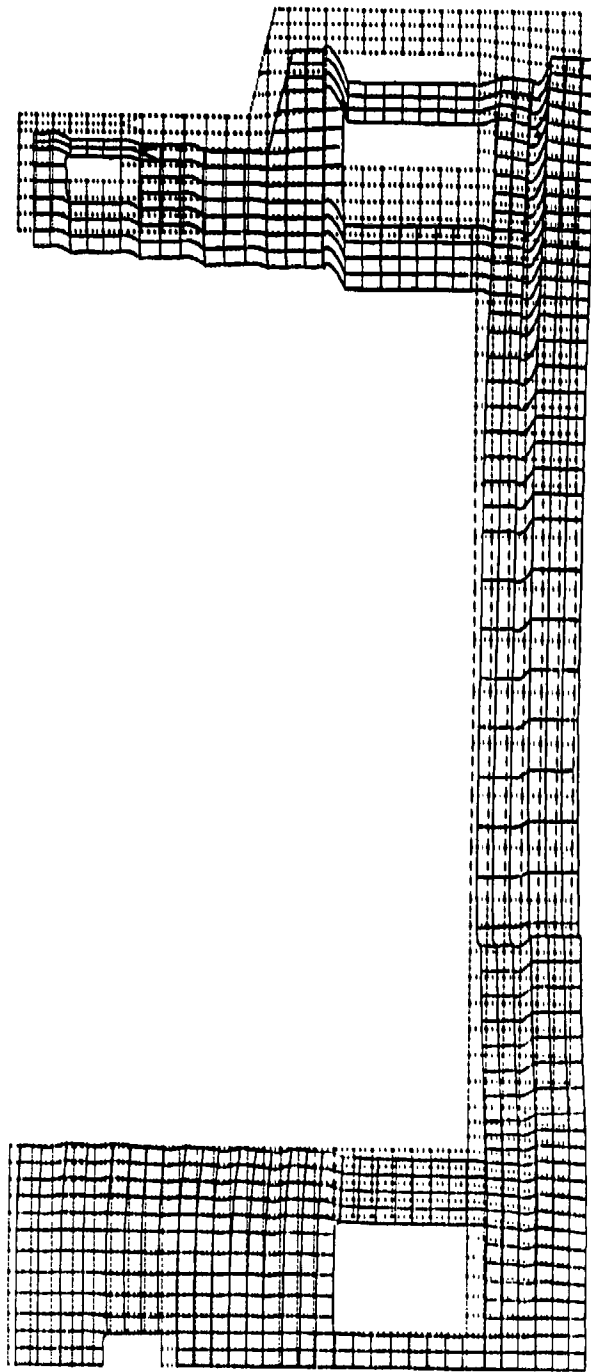


H17

1
OLMSTED, BLOCK METHOD. JUNE 20 START. PL STN. L119

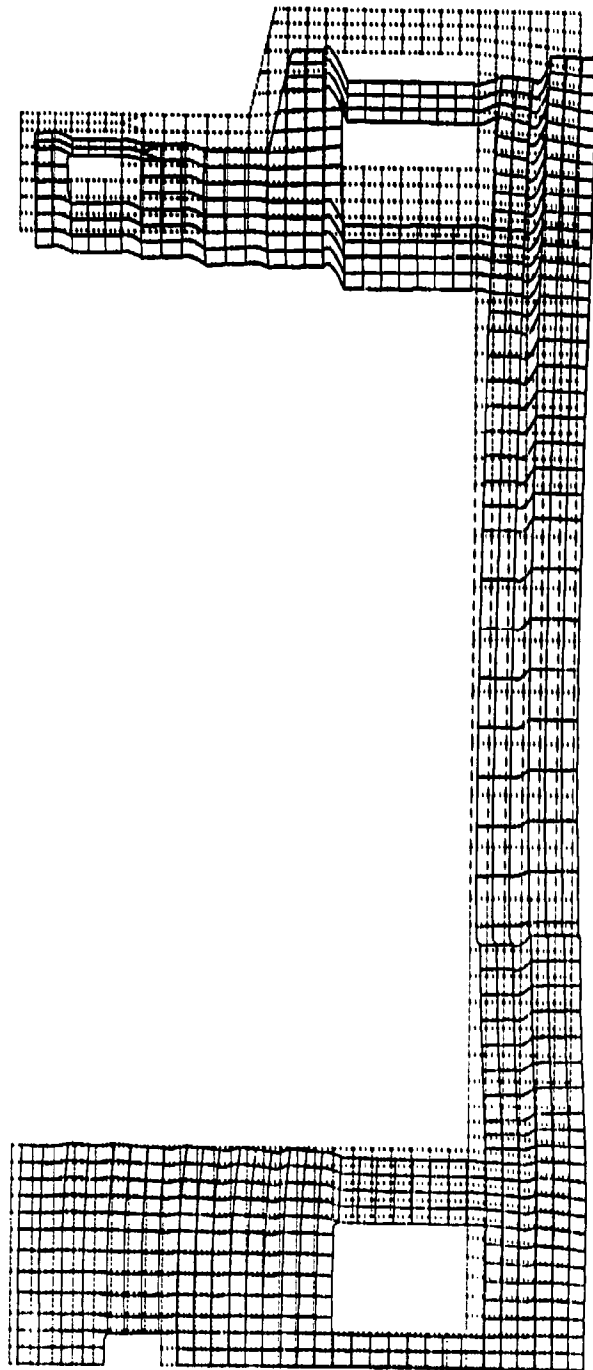
TIME REQUIRED IN THIS STEP = 0.000100 TOTAL ACCUMULATED TIME = 1.195E+02 S STEP 81 INCIDENT 6

U
MAG. FACTOR = +3.6E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



1
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRN. L119
TIME COMPUTED IN THIS STEP +1.200E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCREMENT 13

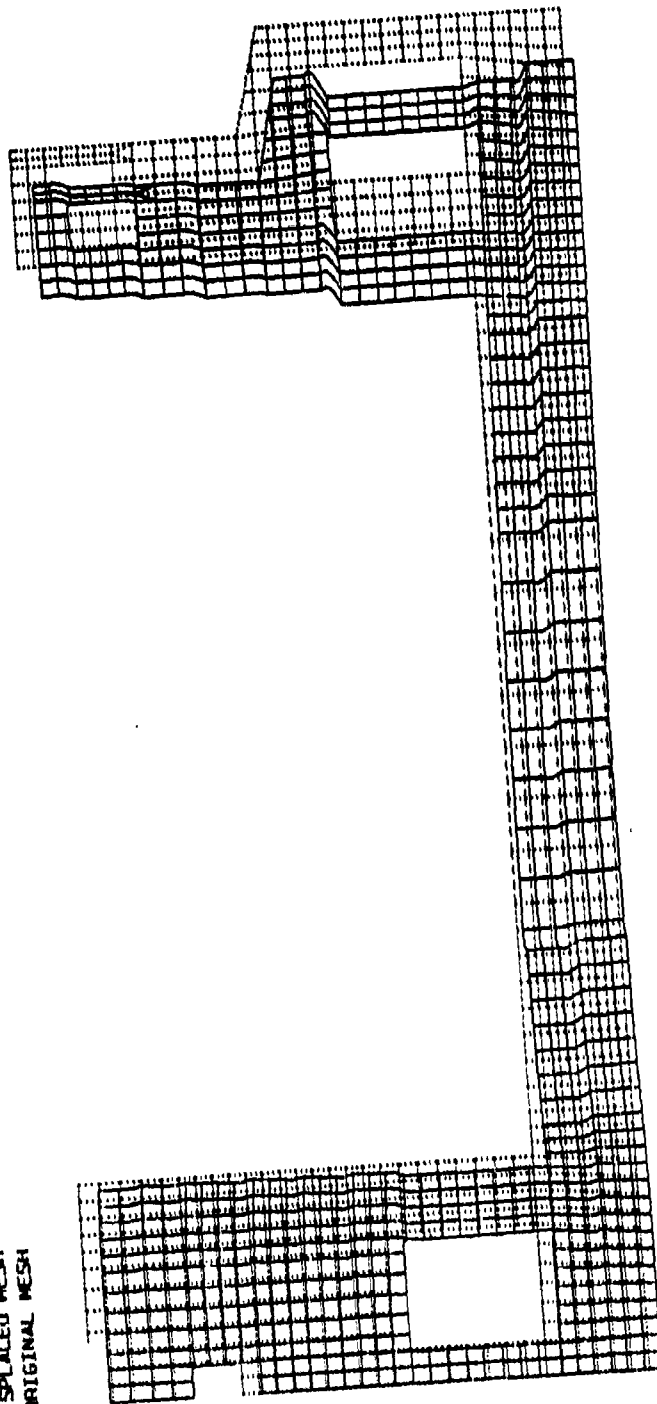
U
MAG. FACTOR = +3.6E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



H19

OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRN, L119
TIME COMPLETED IN THIS STEP +1.000E+00 TOTAL ACCUMULATED TIME +1.335E+02 # STEP 63 INCREMENT 1

U
MAG. FACTOR = +2.6E+02
SOLID LINES - DISPLACED MESH
DASHED LINES - ORIGINAL MESH



H20

1
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STN. L119
TIME COMPLETED IN THIS STEP +5 000E+01
TOTAL ACCUMULATED TIME +1.835E+02 S STEP 84 INCREMENT 25

APPENDIX I: 3-D STRESS CONTOURS

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION
 ambient temp = 77.5 deg. F
 time = 10 days

S11	
VALUE	
1	-5.00E+01
2	-3.00E+01
3	-9.53E+00
4	+1.00E+01
5	+3.00E+01
6	+5.00E+01

I3



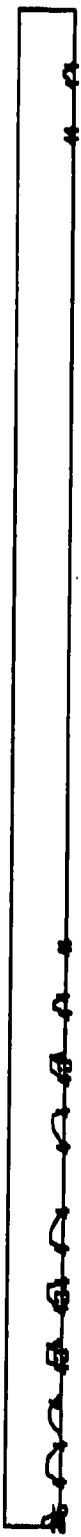
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_2
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.600E+00 STEP 7 INCREMENT 6

B22
VALUE

- 1 -2.00E+02
- 2 -1.40E+02
- 3 -8.00E+01
- 4 -1.95E+01
- 5 +4.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION
 ambient temp = 77.5 deg. F
 time = 10 days

14



1

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_2

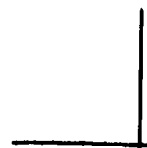
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.600E+00 STEP 7 INCREMENT 6

633
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION
 ambient temp = 77.5 deg. F
 time = 10 days

15



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_2

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+00 STEP 7 INCREMENT 6

PRINT
VALUE

1	-9.55E+00
2	+1.00E+01
3	+3.00E+01
4	+5.00E+01
5	+7.00E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION
ambient temp = 77.5 deg. F
time = 10 days



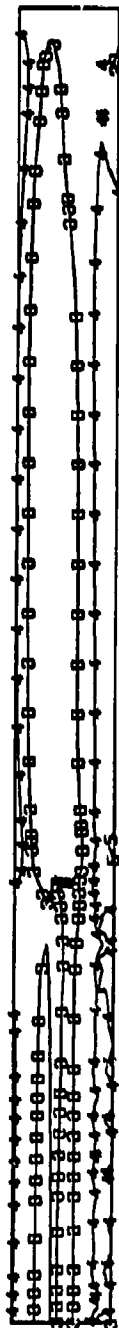
3-D FLOOR PLACEMENT 1. COARSE GRID, JUNE 20 START, L1_2

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+00 STEP 7 INCREMENT 5

S11
VALUE

- 1 -1.00E+02
- 2 -6.00E+01
- 3 -1.99E+01
- 4 +2.00E+01
- 5 +6.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION
 ambient temp = 79 deg. F
 time = 30 days



1

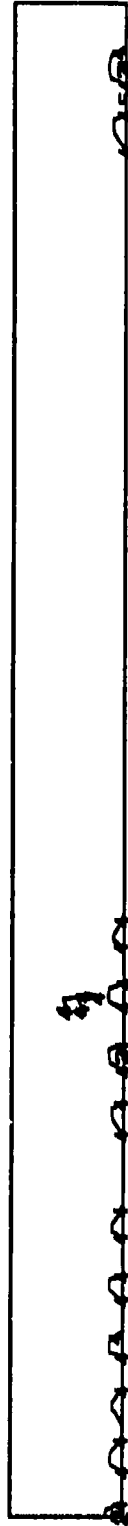
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.999E+01 STEP 16 INCREMENT 10

S22
VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.55E+01
5	+4.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 79 deg. F
time = 30 days

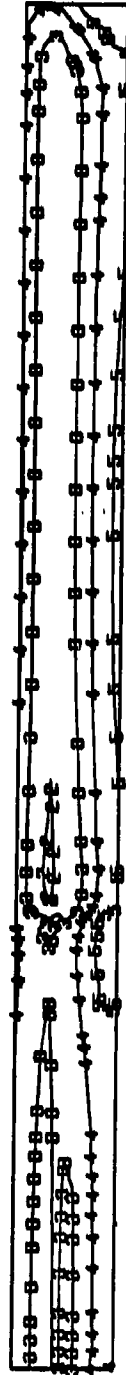


1
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4
TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 16 INCREMENT 10

533
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.55E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION
ambient temp = 79 deg. F
time = 30 days

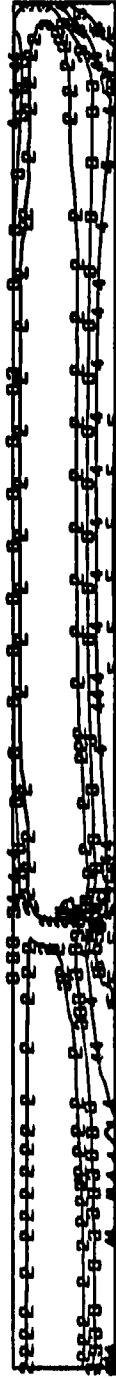


1
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4
TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.500E+01 STEP 15 INCREMENT 10

PRINT
VALUE

1	-1.95E+01
2	+2.00E+00
3	+2.40E+01
4	+4.50E+01
5	+5.80E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 79 deg. F
time = 30 days

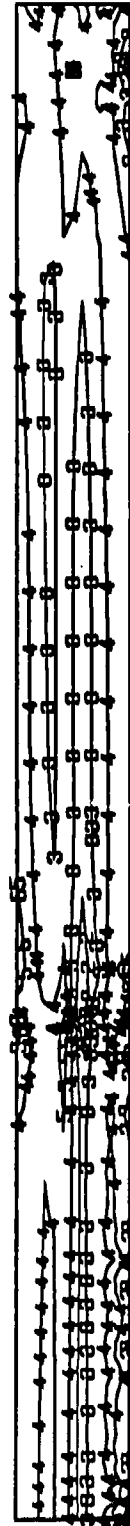


1
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4
TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.560E+01 STEP 15 INCREMENT 10

S11
VALUE

1	-6.00E+01
2	-4.00E+01
3	-1.99E+01
4	+2.00E-05
5	+2.00E+01
6	+4.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
ambient temp = 78.5 deg. F
time = 40 days



I11

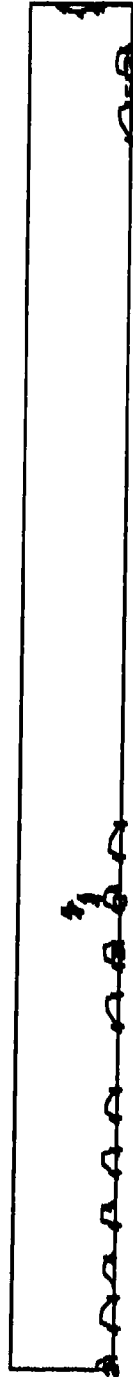
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.960E+01 STEP 15 INCREMENT 20

822
VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.99E+01
5	+4.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION
 ambient temp = 78.5 deg. F
 time = 40 days



WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.590E+01 STEP 15 INCREMENT 20

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW
 ambient temp = 78.5 deg.F
 time = 40 days

SS3	VALUE
1	-3.00E+01
2	-1.19E+01
3	+6.00E+00
4	+2.40E+01
5	+4.20E+01
6	+5.00E+01

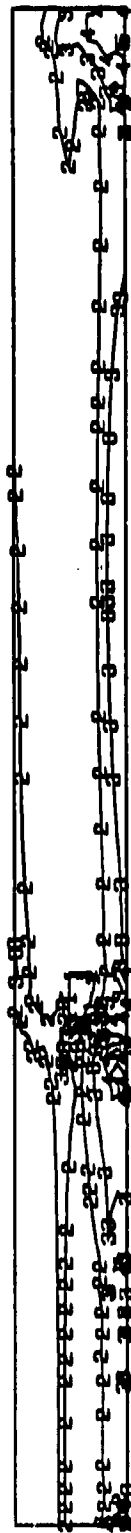


1
 WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4
 TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.580E+01 STEP 16 INCREMENT 20

PRINT
VALUE

1	-9.95E+00
2	+8.00E+00
3	+2.60E+01
4	+4.40E+01
5	+6.20E+01
6	+8.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION
ambient temp = 78.5 deg. F
time = 40 days



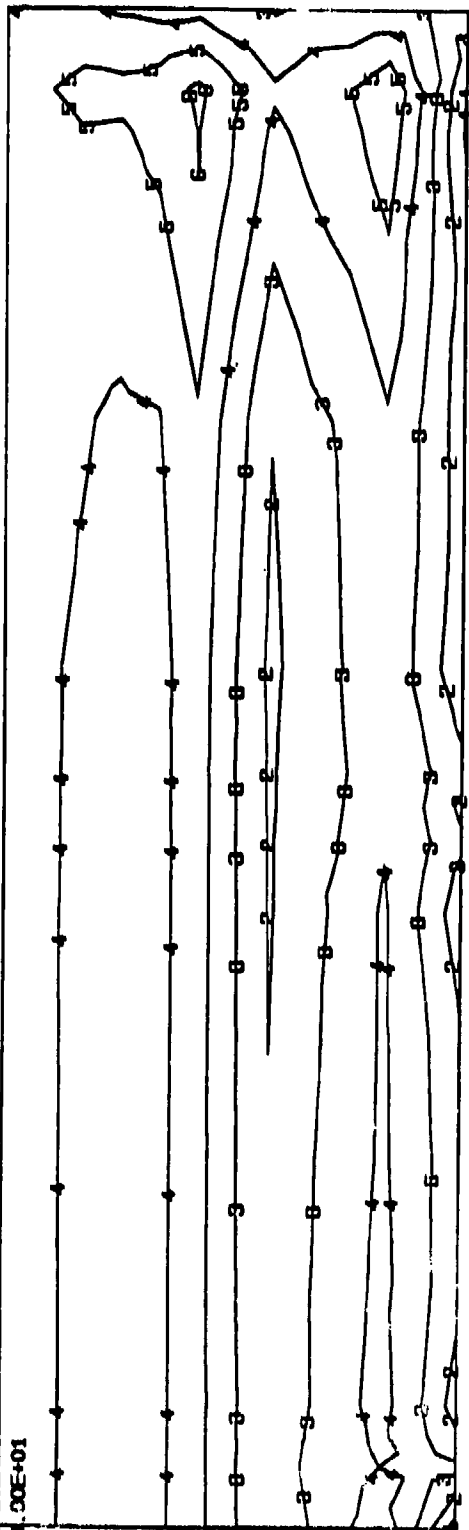
114

1
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.956E+01 STEP 16 INCREMENT 20

S11
VALUE

1 -5.00E+01
2 -3.20E+01
3 -1.35E+01
4 +4.00E+00
5 +2.20E+01
6 +4.00E+01

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW
ambient temp = 78.5 deg. F
time = 40 days

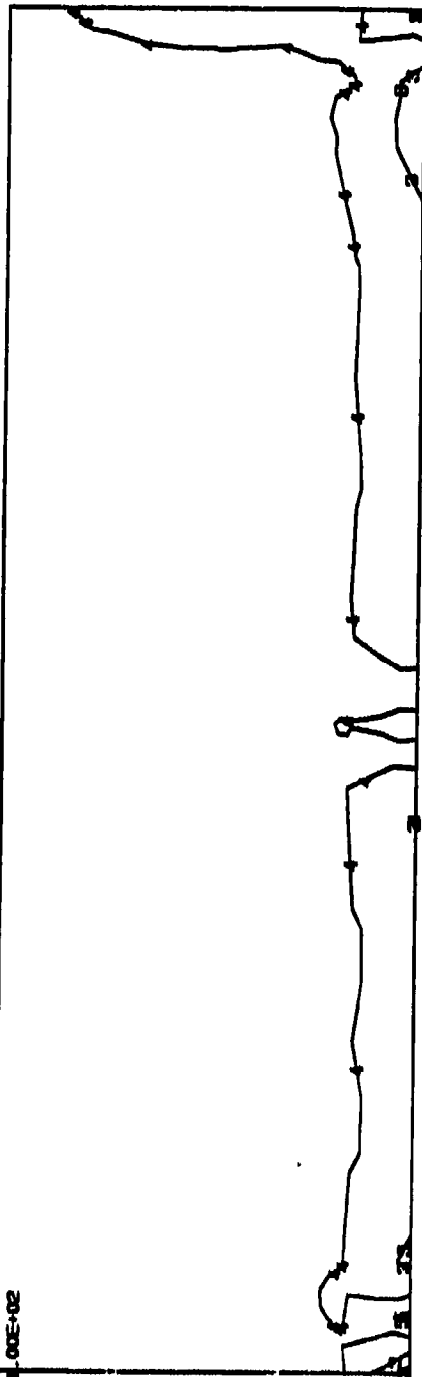


WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.950E+01 STEP 16 INCREMENT 20

522
VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.50E+01
5	+4.00E+01
6	+3.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW DIRECTION
ambient temp = 78.5 deg. F
time = 40 days



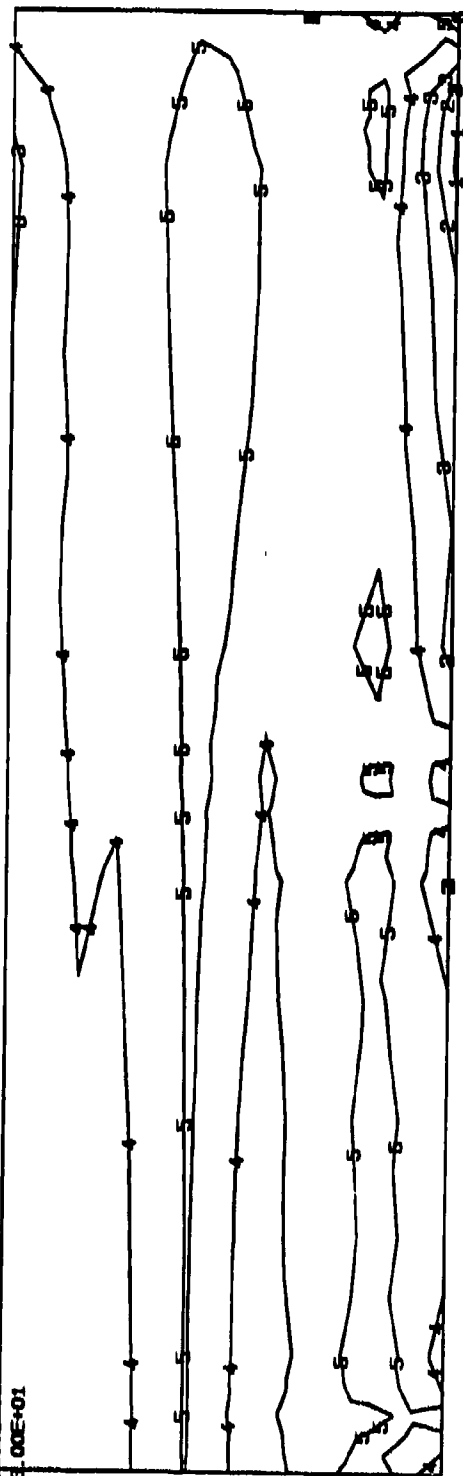
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +8.900E+01 5 STEP 15 INCREMENT 20

633
VALUE

1 -7.00E+01
2 -5.00E+01
3 -3.00E+01
4 -9.99E+00
5 +1.00E+01
6 +3.00E+01

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW DIRECTION
ambient temp = 78.5 deg. F
time = 40 days



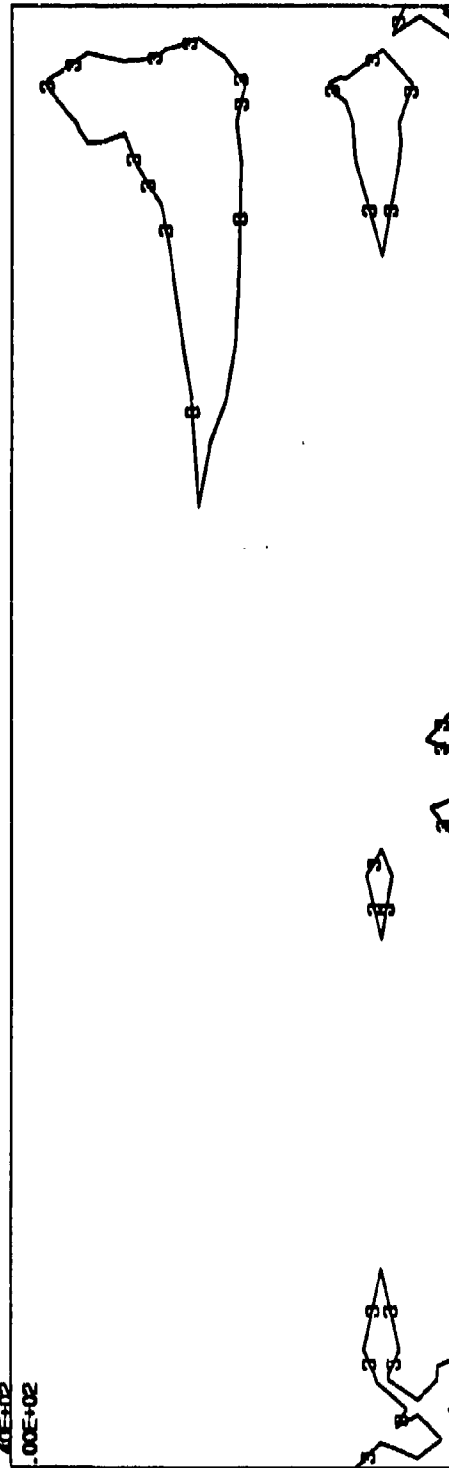
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.999E+01 STEP 15 INCREMENT 20

PRIN3
VALUE

1	-1.00E+02
2	-3.95E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
ambient temp = 78.5 deg. F
time = 40 days



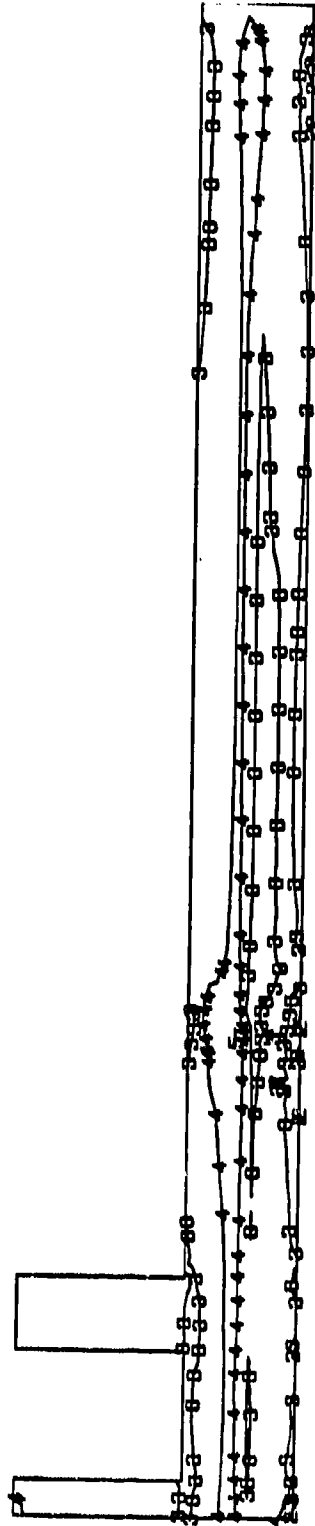
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.950E+01 STEP 16 INCREMENT 20

S11
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 76.9 deg. F
time = 55 days



119

1

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

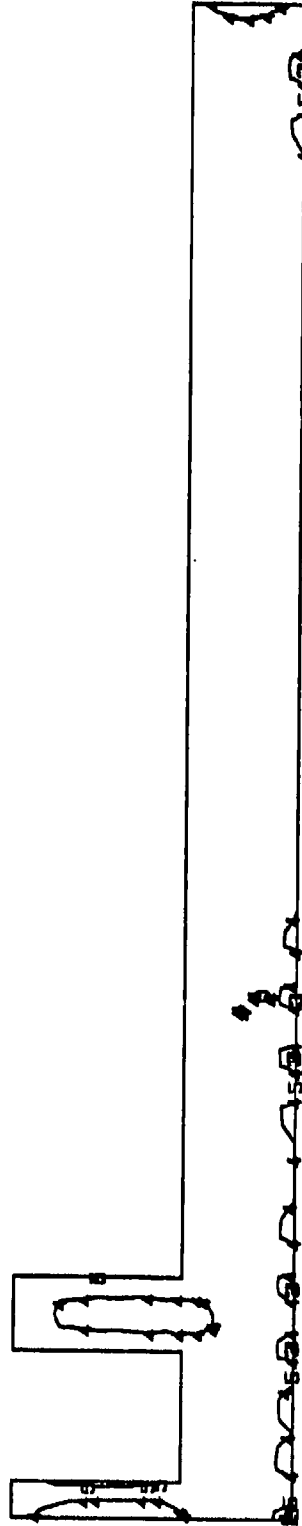
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.460E+01 STEP 25 INCREMENT 6

S22

VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.99E+01
5	+4.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
 ambient temp = 76.9 deg. F
 time = 55 days



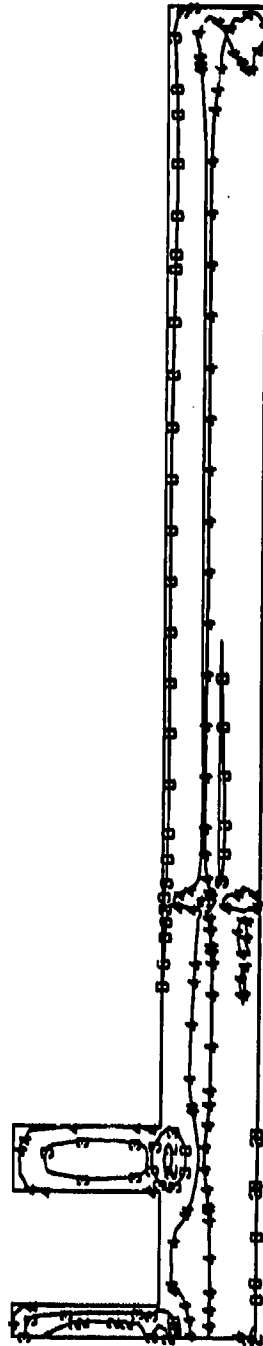
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 STEP 26 INCREMENT 5

S33
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.95E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER SECTION TRANSVERSE TO FLOW AXIS
ambient temp = 76.9 deg. F
time = 55 days



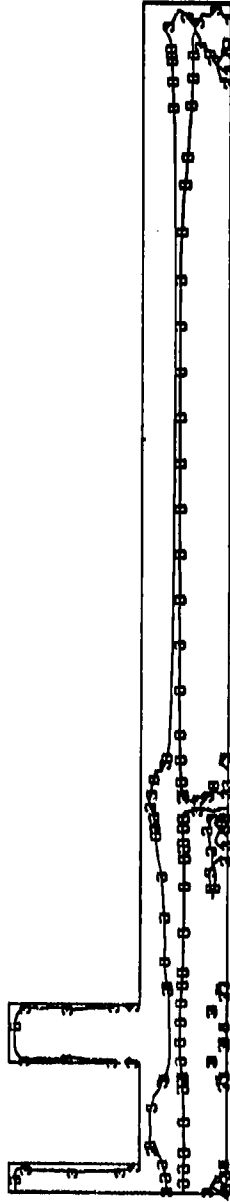
121

1
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 5 STEP 25 INCREMENT 5

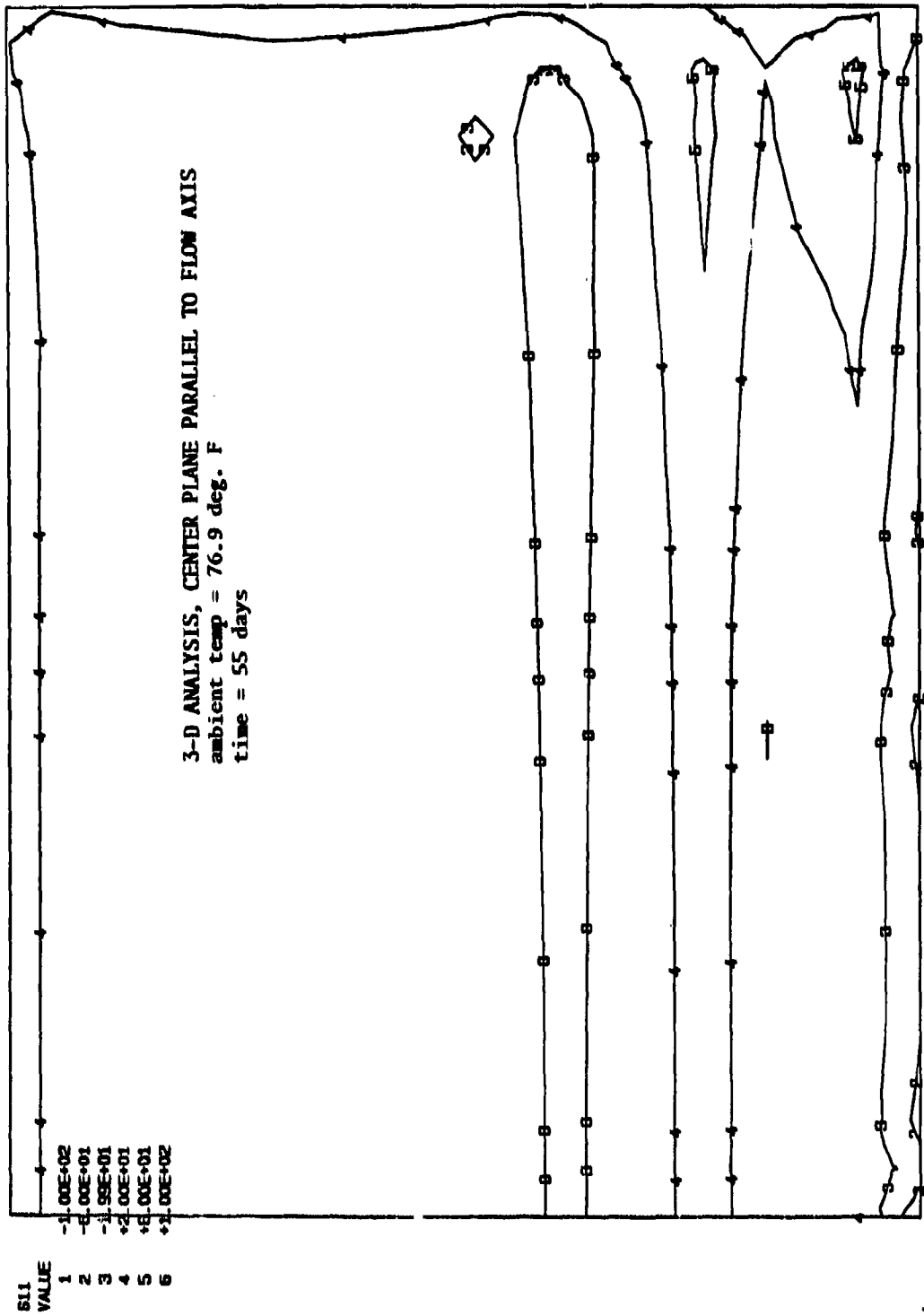
PRINT
VALUE

1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

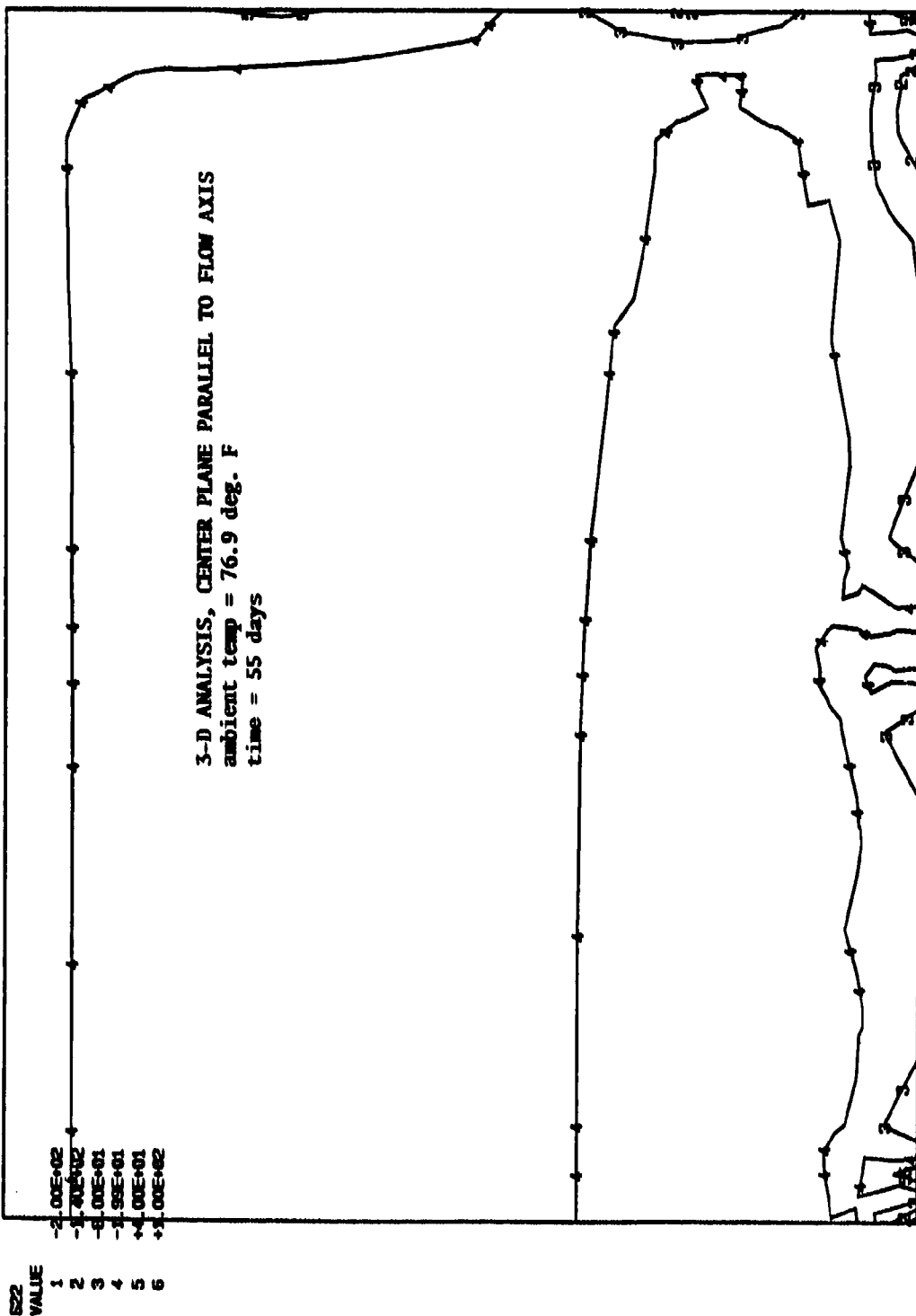
3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 76.9 deg. F
time = 55 days



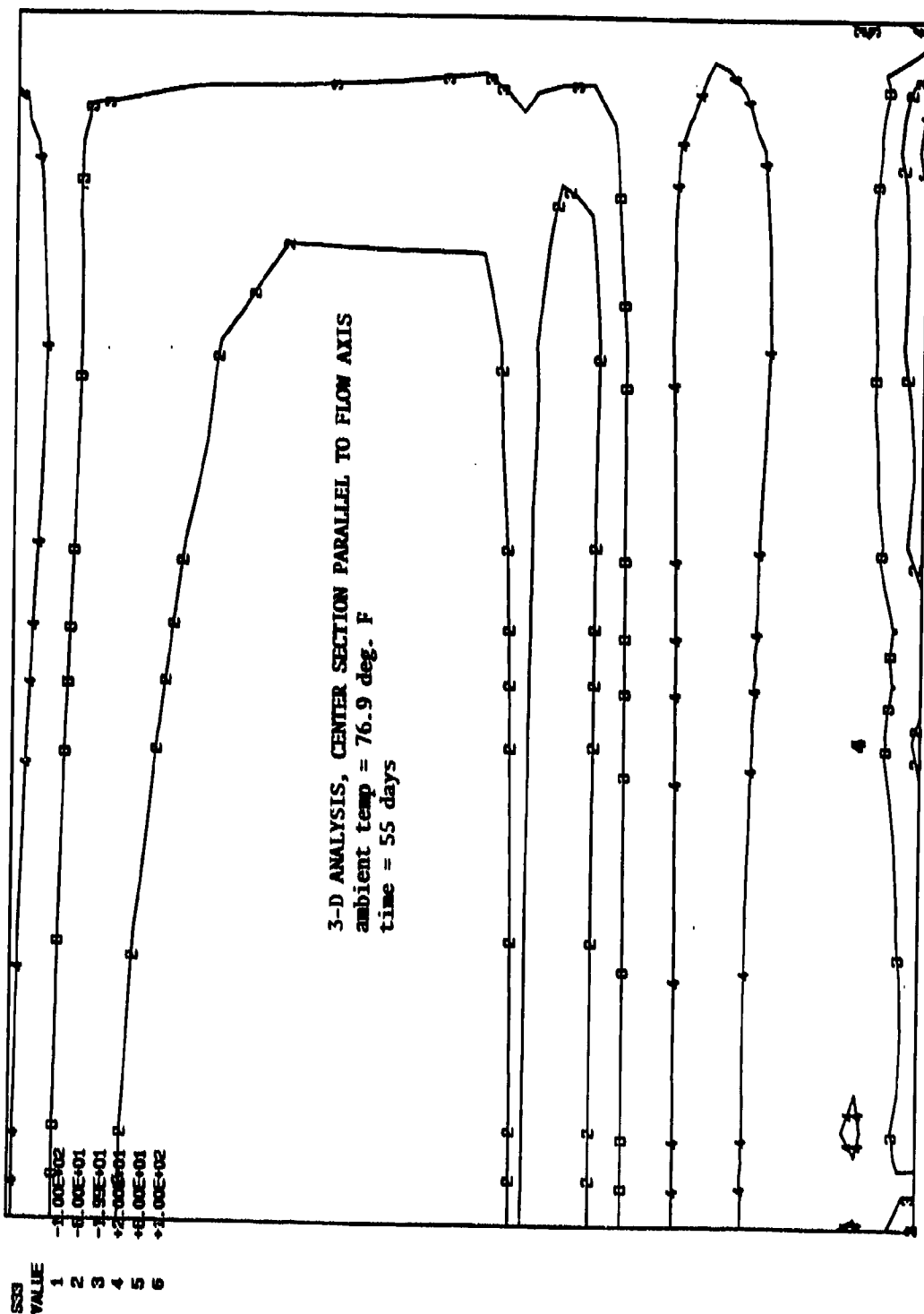
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.460E+01 8 STEP 25 INCREMENT 5



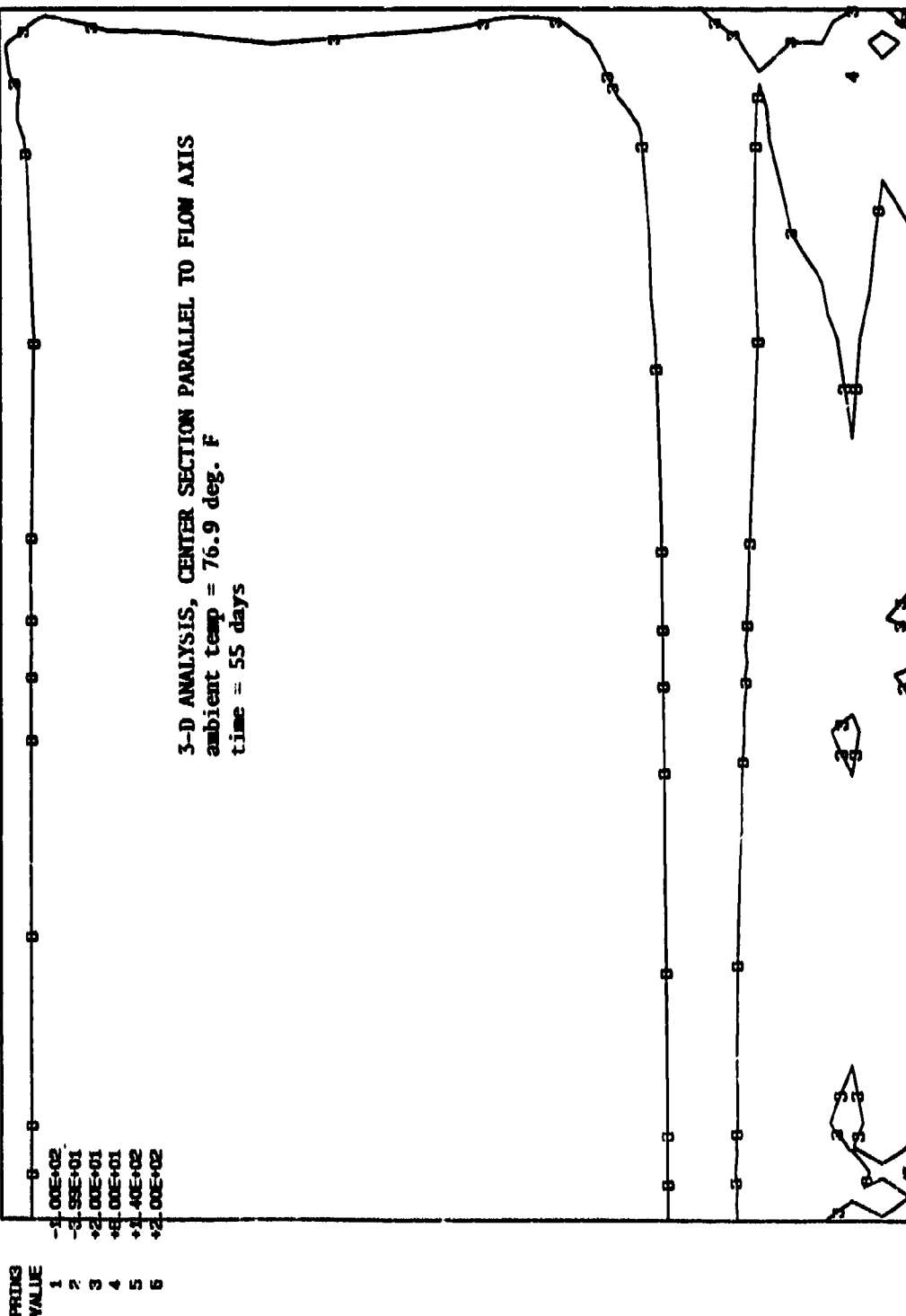
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 STEP 25 INCREMENT 5



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +6.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 8 STEP 26 INCREMENT 6

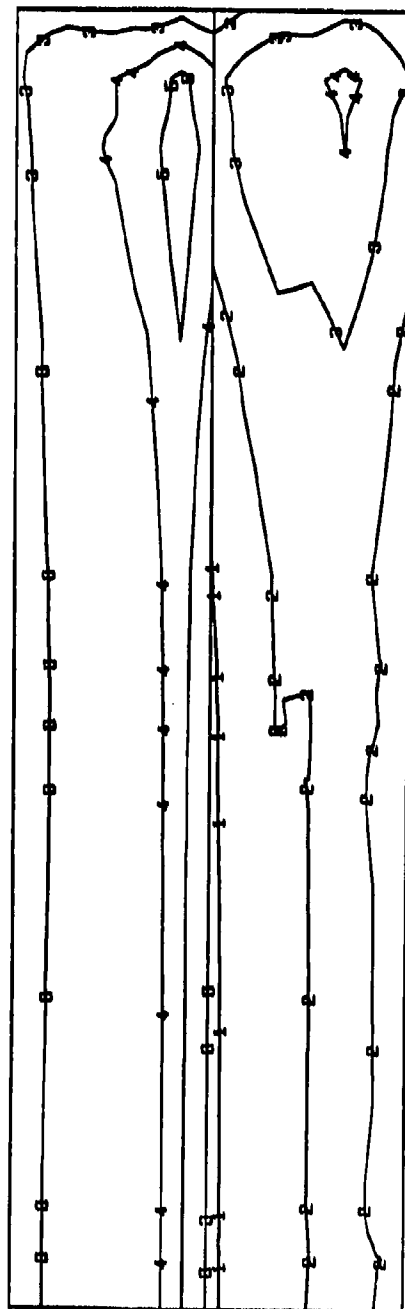


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.460E+01 8 STEP 26 INCREMENT 5

S11
VALUE

1	-4.00E+01
2	-1.55E+01
3	+2.00E-05
4	+2.00E+01
5	+4.00E+01
6	+5.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 76.9 deg. F
time = 55 days

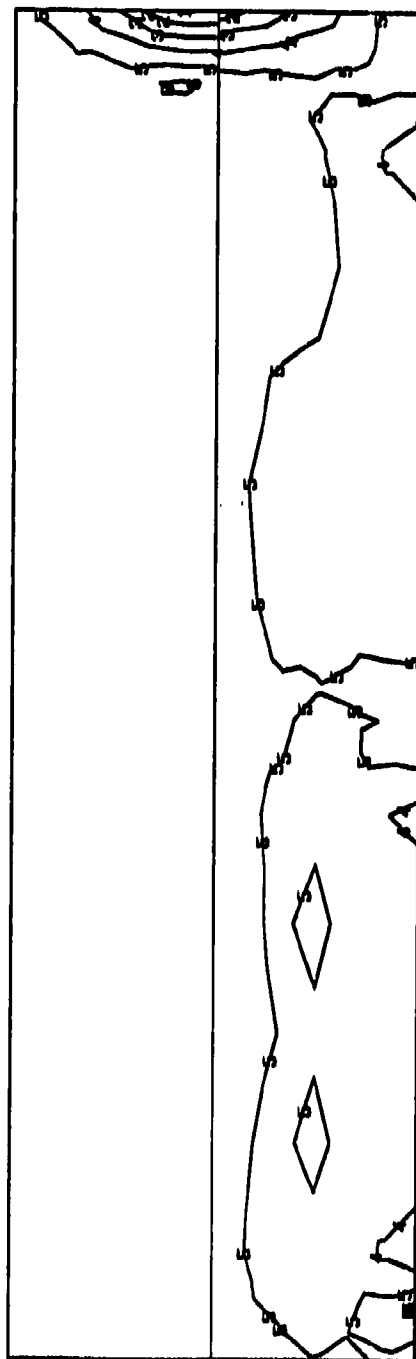


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 8 STEP 26 INCREMENT 5

622
VALUE

1 -8.00E+01
2 -6.20E+01
3 -4.40E+01
4 -2.60E+01
5 -7.99E+00
6 +1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 76.9 deg. F
time = 55 days

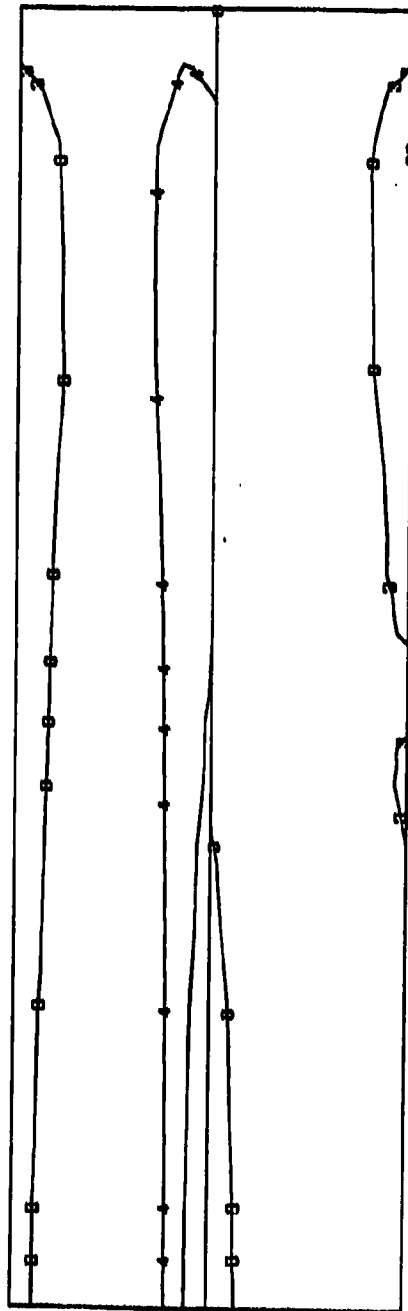


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 IN STEP 25 INCREMENT 5

SS3
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.98E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 76.9 deg. F
time = 55 days

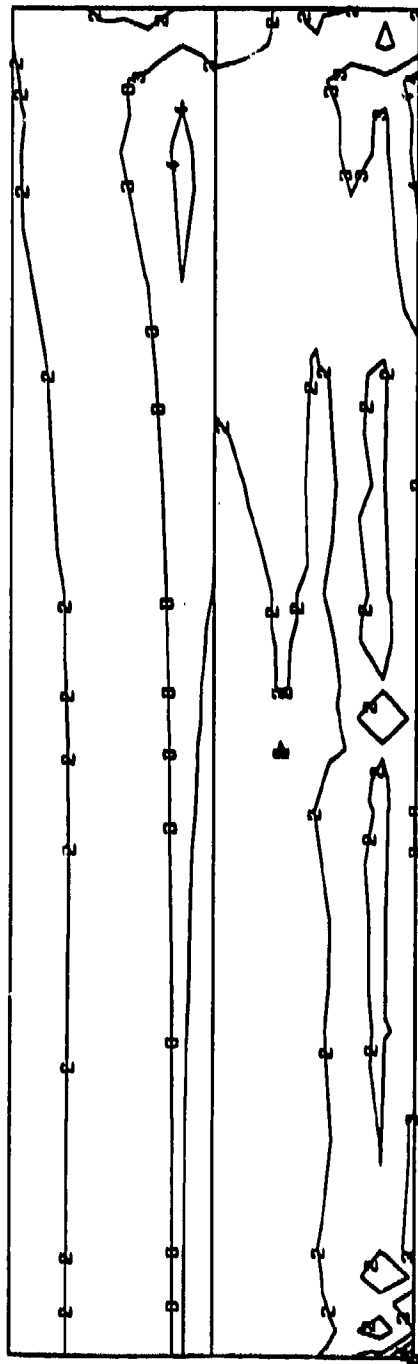


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +6.000E+00 TOTAL ACCUMULATED TIME +6.480E+01 8 STEP 25 INCREMENT 5

PRIMS
VALUE

1	-1.99E+01
2	+2.00E+00
3	+2.40E+01
4	+4.60E+01
5	+6.60E+01
6	+9.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 76.9 deg. F
time = 55 days

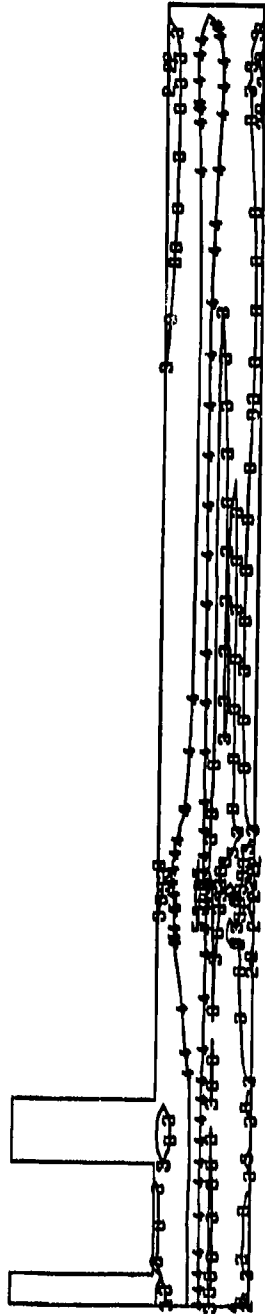


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 8 STEP 25 INCREMENT 5

SI1
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 75.7 deg. F
time = 65 days



I31

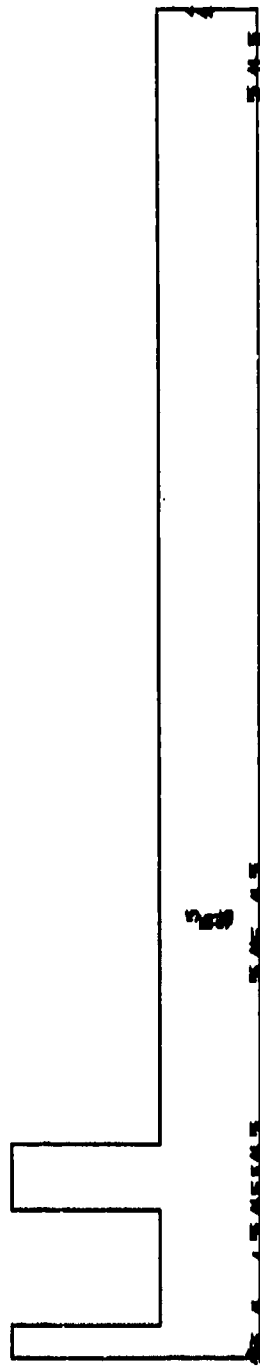
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.460E+01 STEP 25 INCREMENT 15

822
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
 ambient temp = 75.7 deg. F
 time = 65 days



I32

1

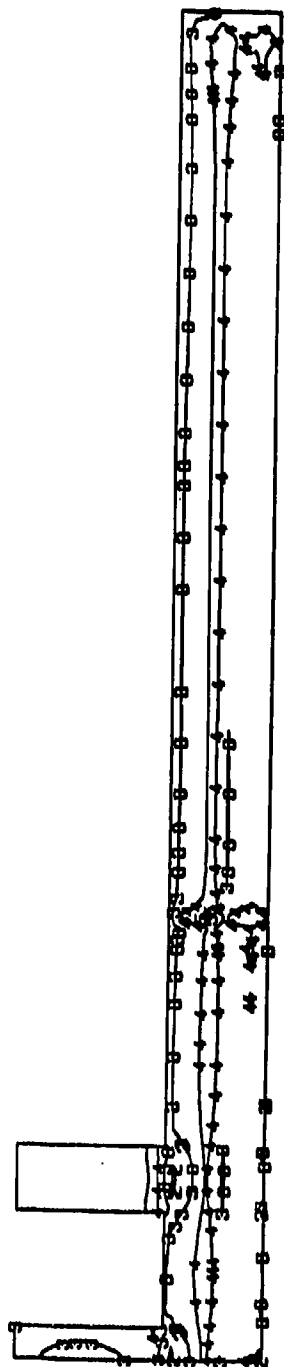
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_B
 TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 8 STEP 26 INCREMENT 15

533

VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.93E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
 ambient temp = 75.7 deg.F
 time = 65 days

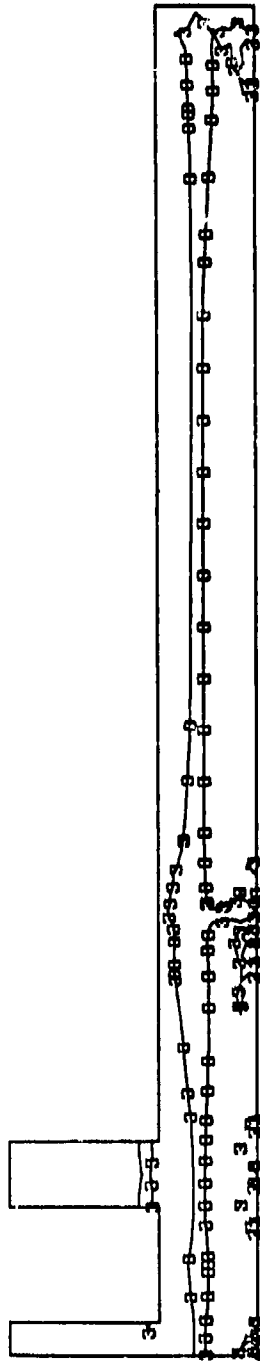


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
 TIME COMPLETED IN THIS STEP +1.600E+01
 TOTAL ACCUMULATED TIME +6.400E+01 8 STEP 26 INCREMENT 16

PRINT
VALUE

1 -1.0E+02
2 -3.93E+01
3 +2.00E+01
4 +8.00E+01
5 +1.40E+02
6 +2.00E+02

3-- ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 75.7 deg. F
time = 65 days

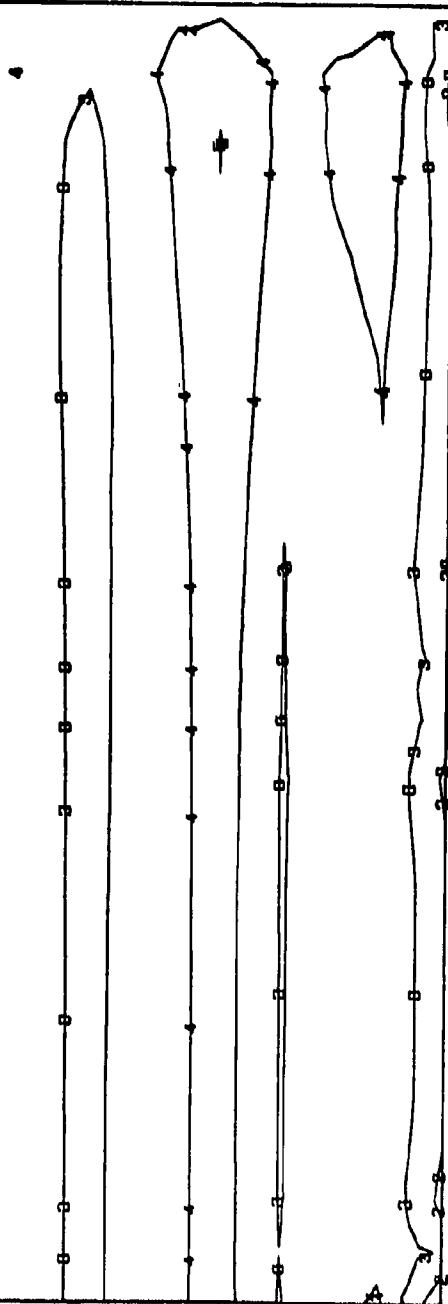


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.460E+01 STEP 25 INCREMENT 15

S11
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
ambient temp = 75.7 deg. F
time = 65 days



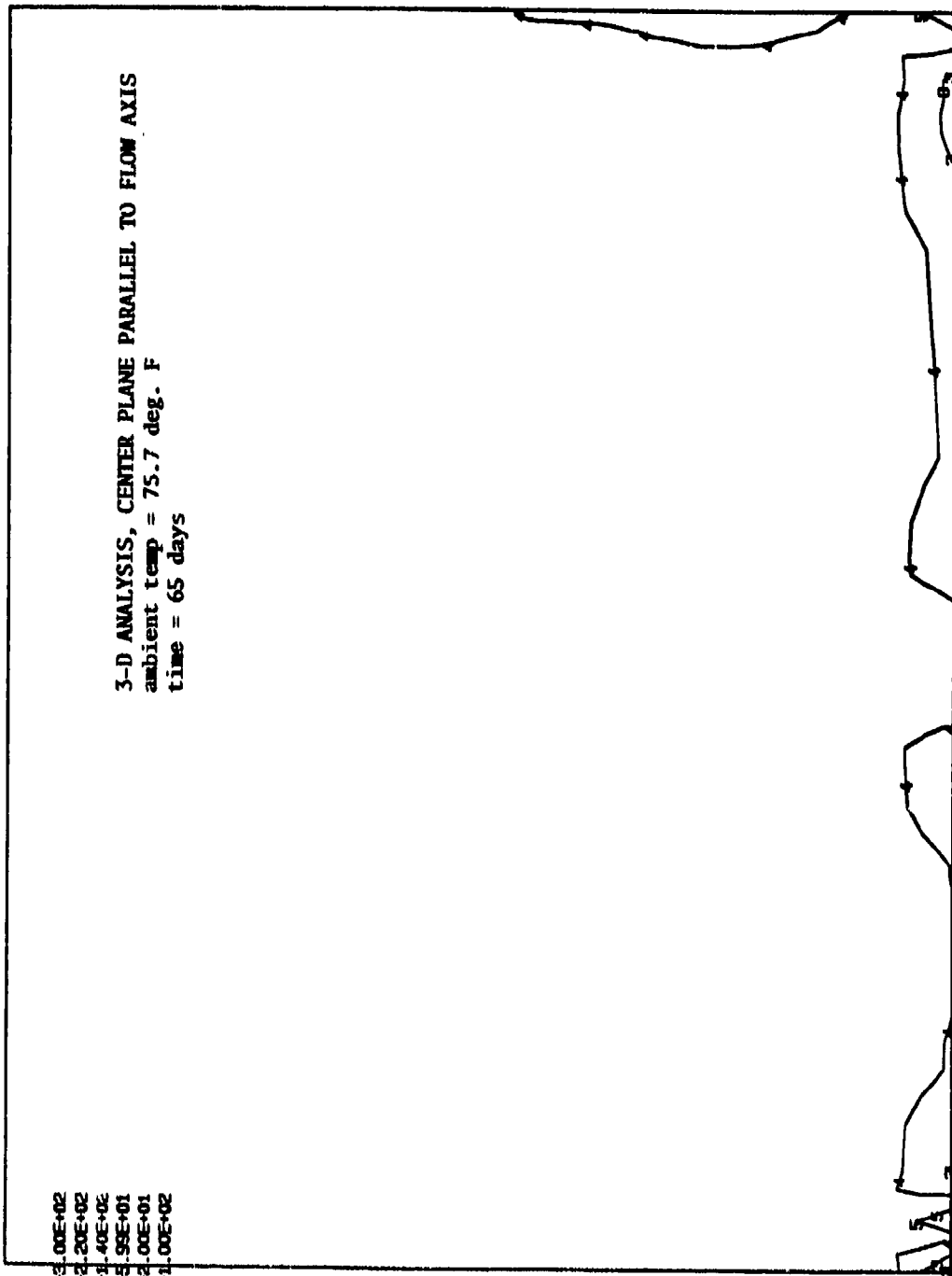
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_B

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.450E+01 STEP 25 INCREMENT 15

S22
VALUE

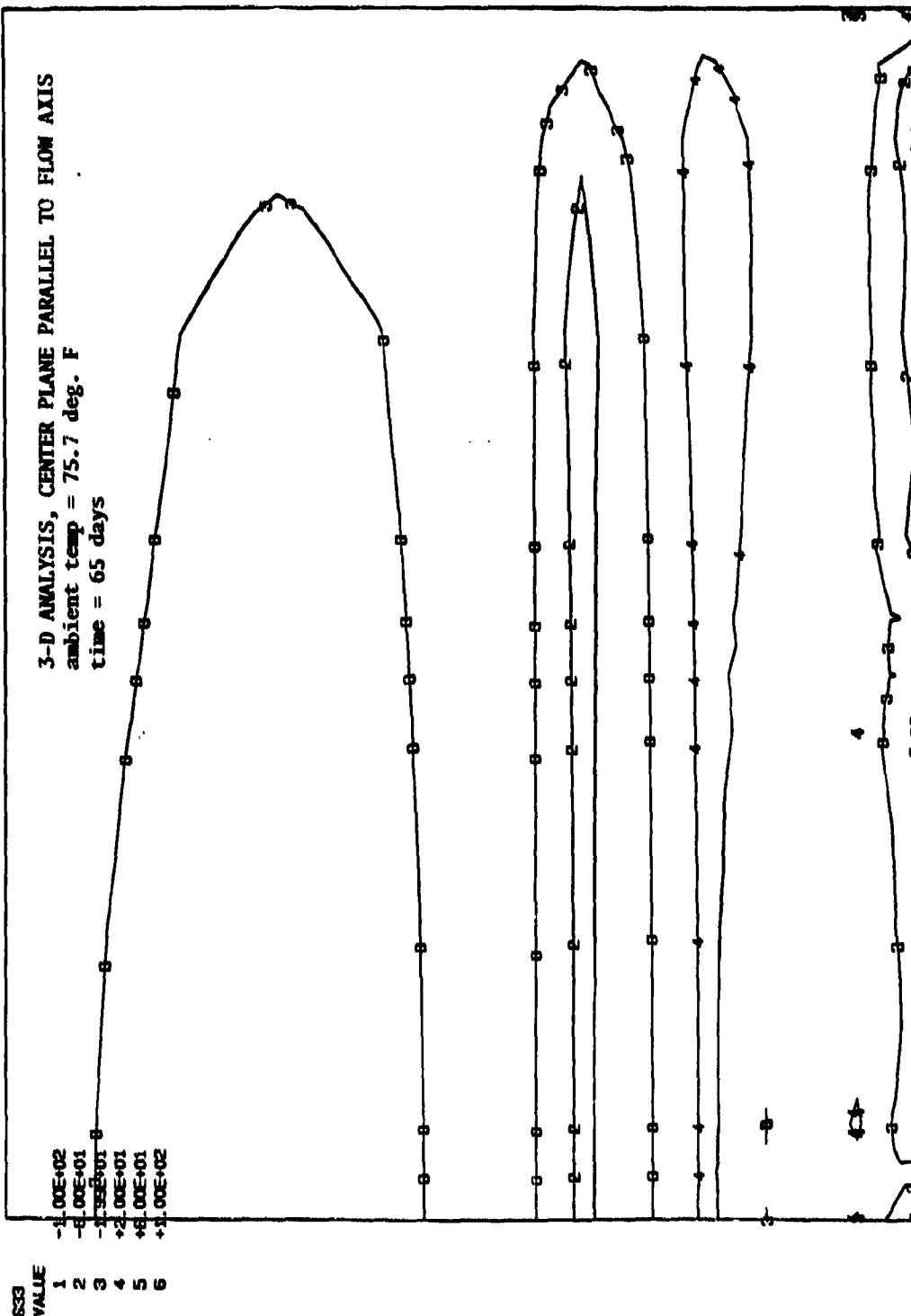
1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.93E+01
5	+2.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
ambient temp = 75.7 deg. F
time = 65 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 25 INCREMENT 15

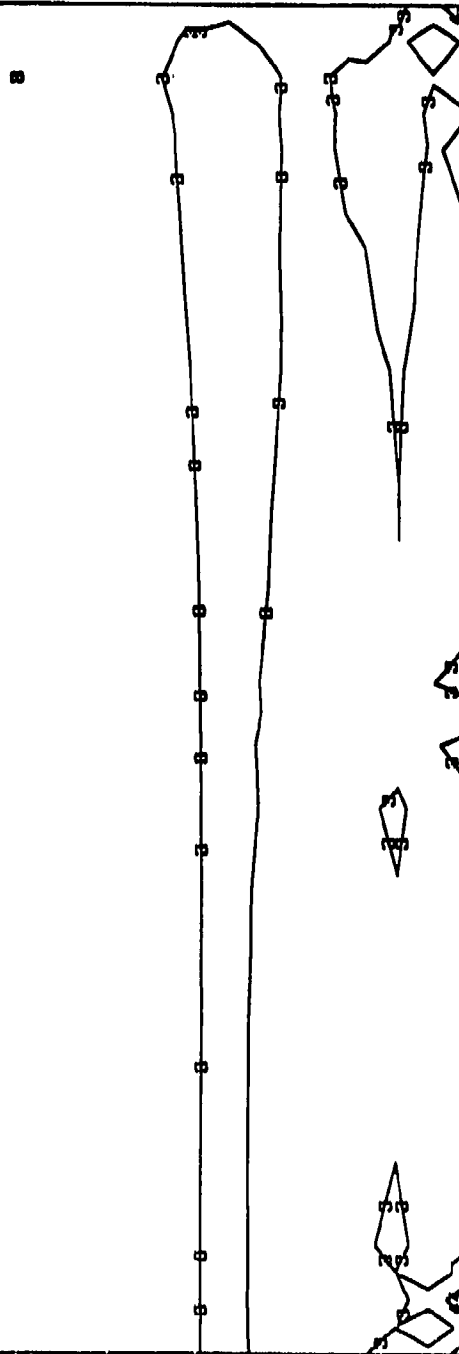


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
 TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.480E+01 STEP 26 INCREMENT 15

PRINT
VALUE

1 -1.00E+02
2 -3.99E+01
3 +2.00E+01
4 +8.00E+01
5 +1.40E+02
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
ambient temp = 75.7 deg. F
time = 65 days

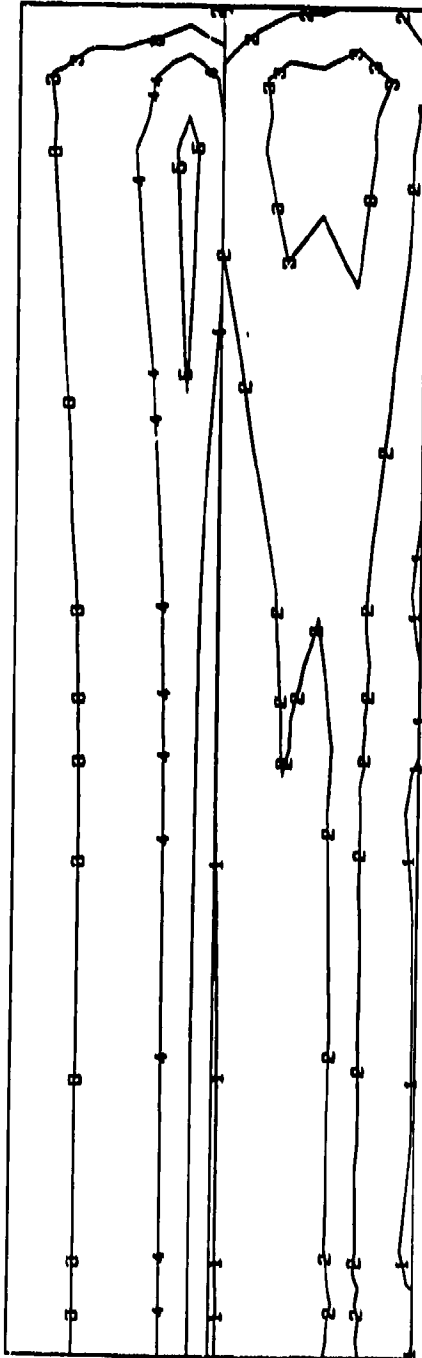


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_B
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 25 INCREMENT 15

S11
VALUE

1	-4.00E+01
2	-1.75E+01
3	+4.00E+00
4	+2.50E+01
5	+4.80E+01
6	+7.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 75.7 deg. F
time = 65 days

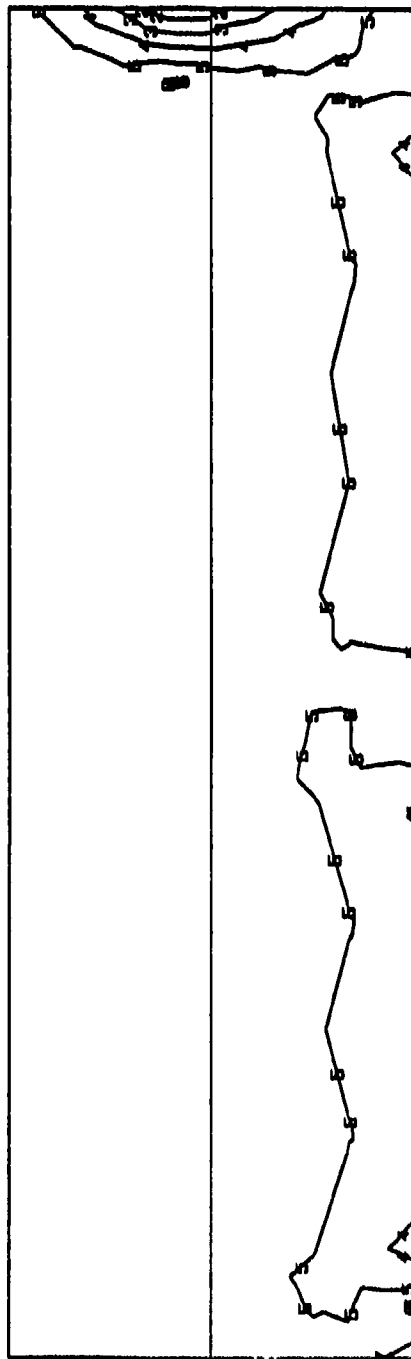


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.400E+01 STEP 25 INCREMENT 15

2
LINE

1 -9.00E+01
2 -7.00E+01
3 -5.00E+01
4 -3.00E+01
5 -9.99E+00
6 +1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 75.7 deg. F
time = 65 days



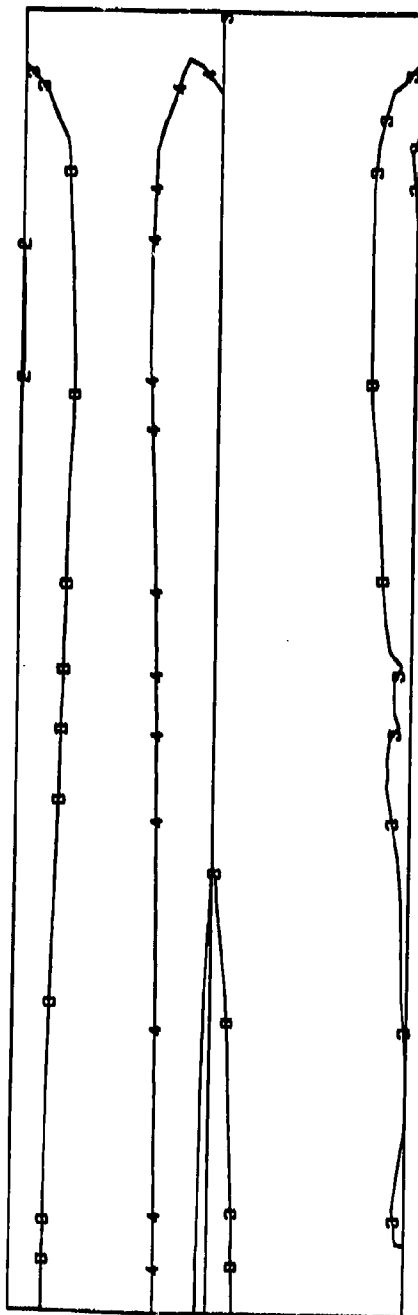
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.400E+01 STEP 25 INCREMENT 15

3
L1E

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 75.7 deg. F
time = 65 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.400E+01 STEP 26 INCREMENT 15

1	-1.99E+01
2	+2.00E+00
3	+2.40E+01
4	+4.60E+01
5	+6.80E+01
6	+9.00E+01

The drawing consists of three main views of a mechanical part, likely a piston or a similar component. The central vertical section shows a series of rectangular blocks, possibly representing the piston rings or the main body. The side view on the right shows a complex profile with a large triangular cutout, indicating a specific internal feature or a design requirement. The top view on the left shows a series of rectangular blocks, possibly representing the piston rings or the main body. Dimensions are indicated by numbers and lines, providing precise measurements for the part's geometry.

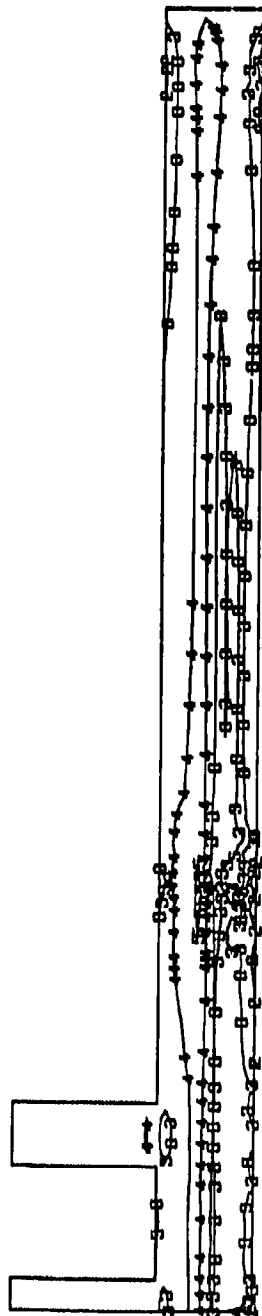
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP	+1.500E+01	TOTAL ACCUMULATED TIME	+6.450E+01	STEP 26 INCREMENT 15

1.5E

- 1 -1.00E+02
- 2 -5.00E+01
- 3 -1.99E+01
- 4 +2.00E+01
- 5 +6.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
 ambient temp = 74.7 deg. F
 time = 70 days



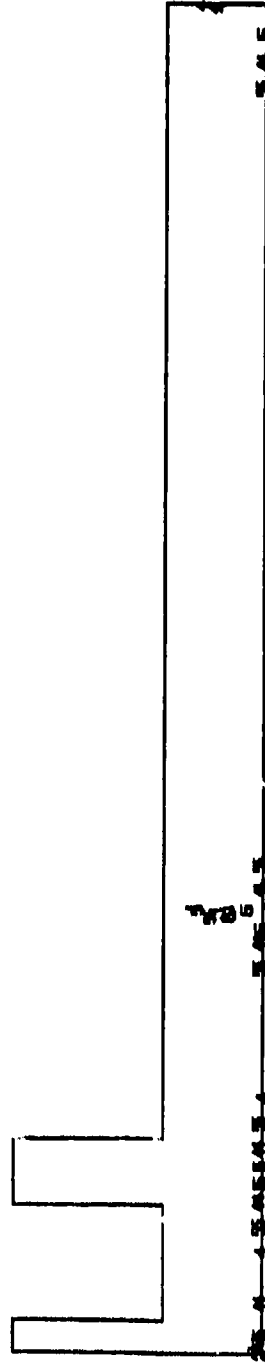
143

¹
 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
 TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.950E+01 STEP 26 INCREMENT 20

2 LUE

1 -3.00E+02
 2 -2.20E+02
 3 -1.40E+02
 4 -5.99E+01
 5 +2.00E+01
 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
 ambient temp = 74.7 deg. F
 time = 70 days



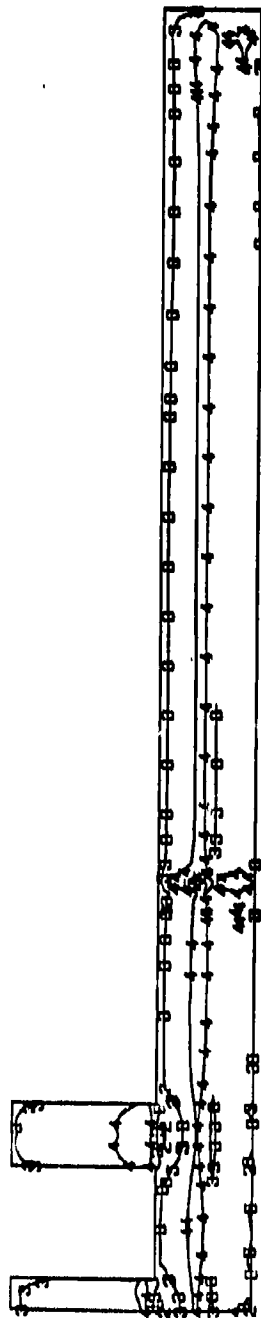
1 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
 TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.990E+01 STEP 26 INCREMENT 20

S33

VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.93E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
 ambient temp = 74.7 deg. F
 teim = 70 days



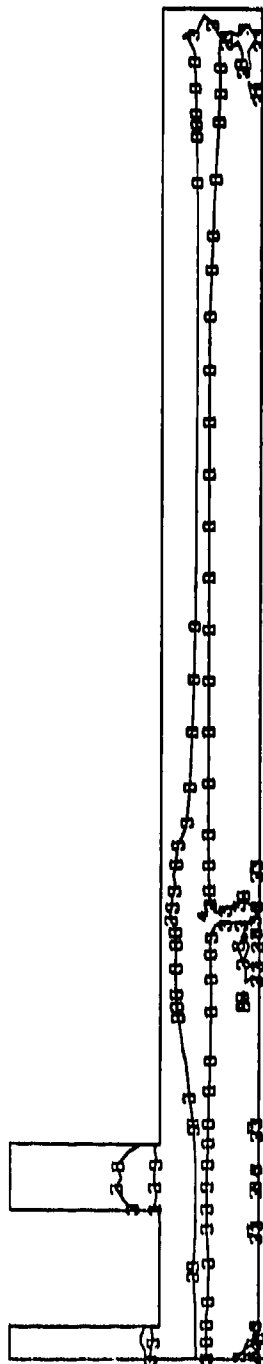
I45

¹
 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_B
 TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.901E+01 # STEP 26 INCREMENT 20

PRINT
VALUE

1 -1.00E+02
2 -3.95E+01
3 +2.00E+01
4 +8.00E+01
5 +1.40E+02
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 74.7 deg. F
time = 70 days

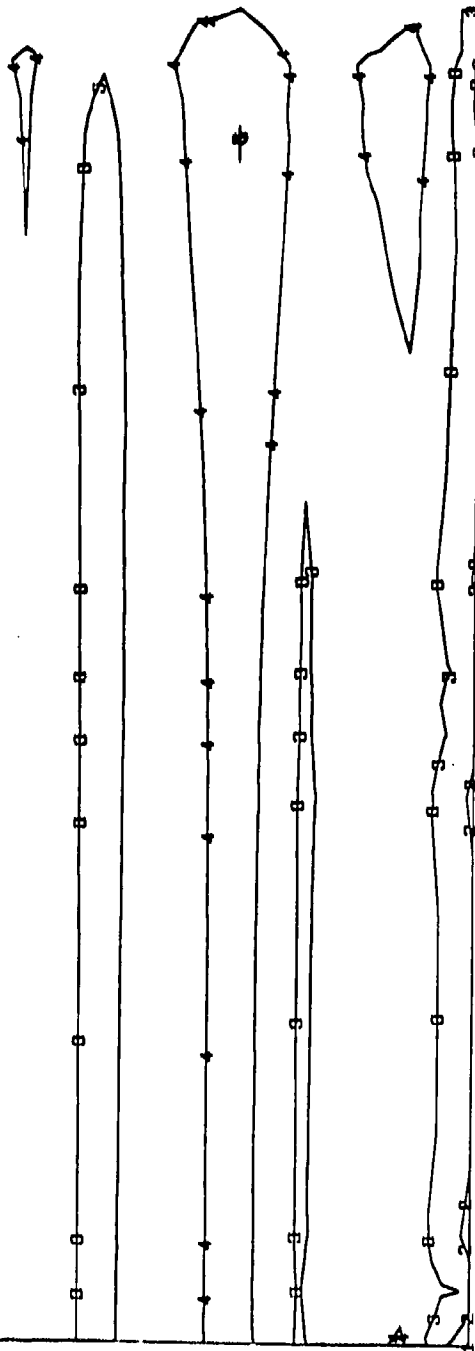


1
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.950E+01 STEP 25 INCREMENT 20

1
LUE

1 -1.00E+02
2 -8.00E+01
3 -1.99E+01
4 +2.00E+01
5 +8.00E+01
6 +1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
ambient temp = 74.7 deg. F
time = 70 days



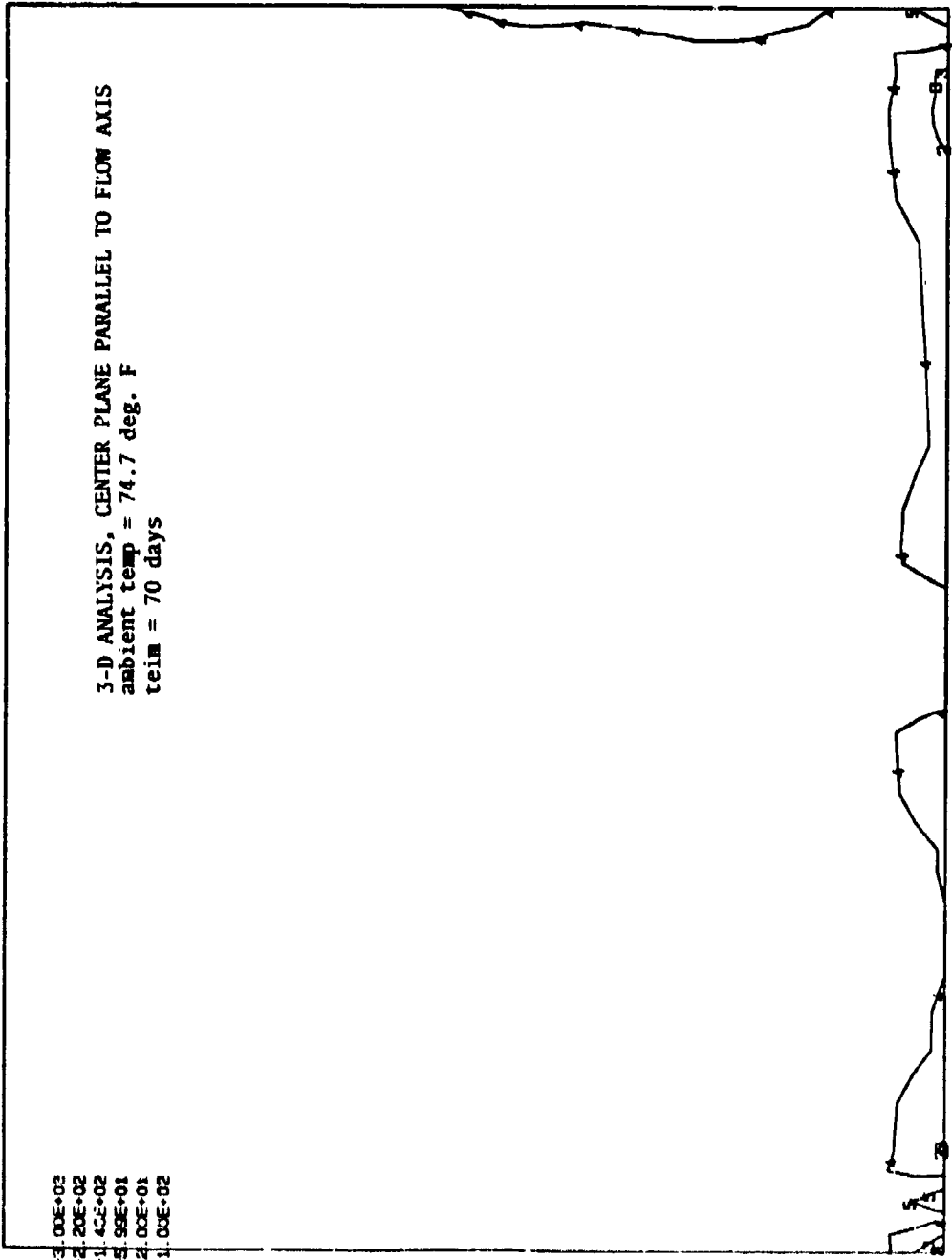
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.960E+01 STEP 26 INCREMENT 20

S22
VALUE

- 1 -3.00E+03
- 2 -2.20E+02
- 3 -1.42E+02
- 4 -5.98E+01
- 5 +2.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
 ambient temp = 74.7 deg. F
 teim = 70 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
 TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.980E+01 STEP 25 INCREMENT 20

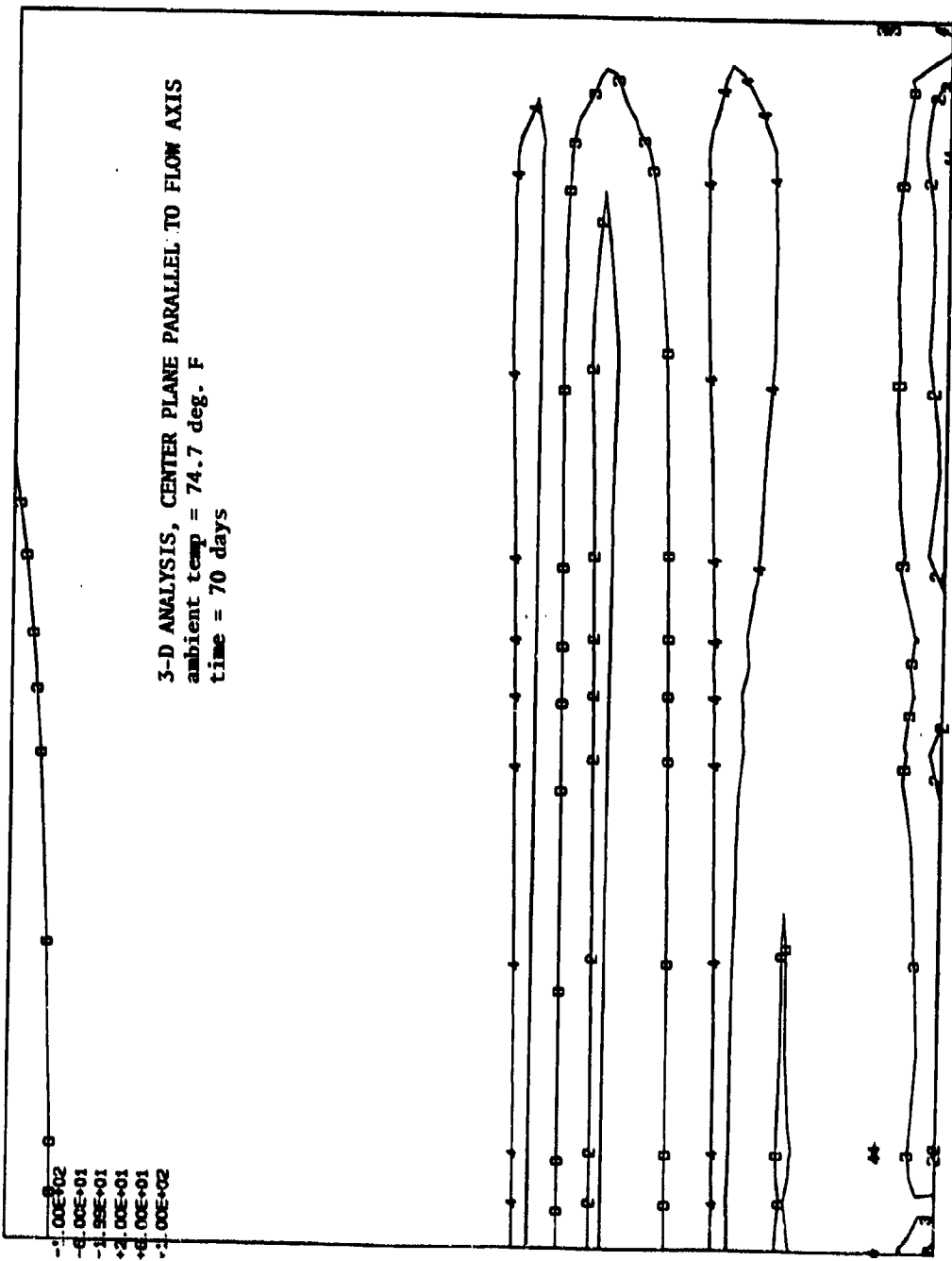
33

ALLIE

- 1
- 2
- 3
- 4
- 5
- 6

-1.00E+02
-6.00E+01
-1.95E+01
+2.00E+01
+8.00E+01
+1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
ambient temp = 74.7 deg. F
time = 70 days

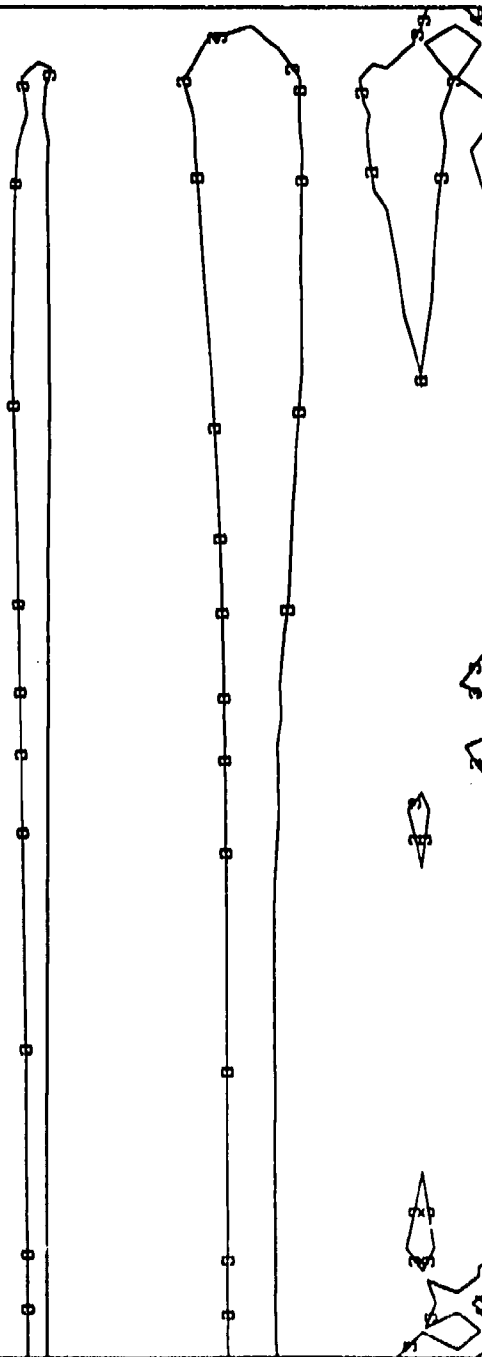


3-D FLOOR PLACEMENT 1. COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.950E+01 STEP 25 INCREMENT 20

TING
VALUE

1 -1.00E+02
2 -3.55E+01
3 +2.00E+01
4 +8.00E+01
5 +1.40E+02
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
ambient temp = 74.7 deg. F
time = 70 days

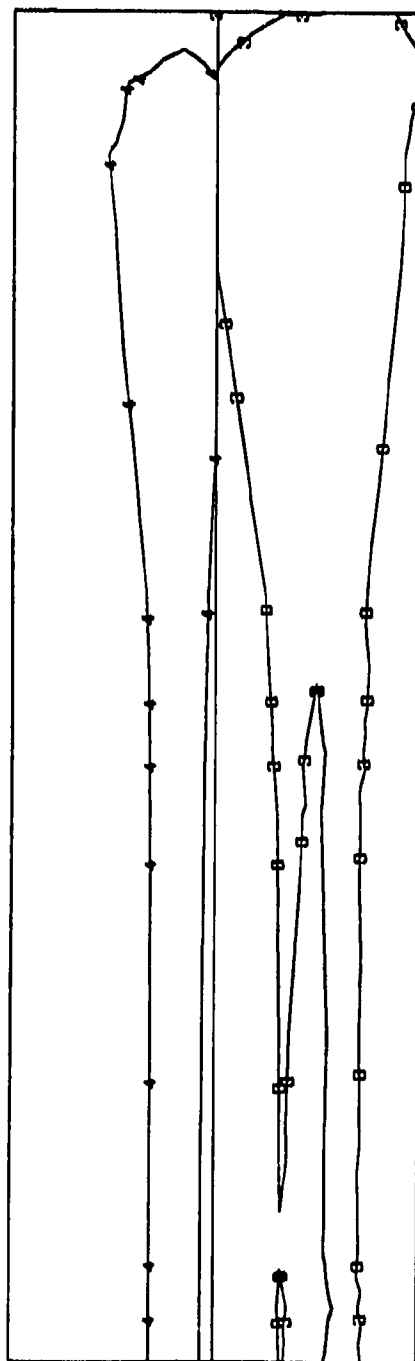


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_B
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.550E+01 STEP 25 INCREMENT 20

1
LINE

1 -1.00E+02
2 -6.00E+01
3 -1.95E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 74.7 deg. F
time = 70 days

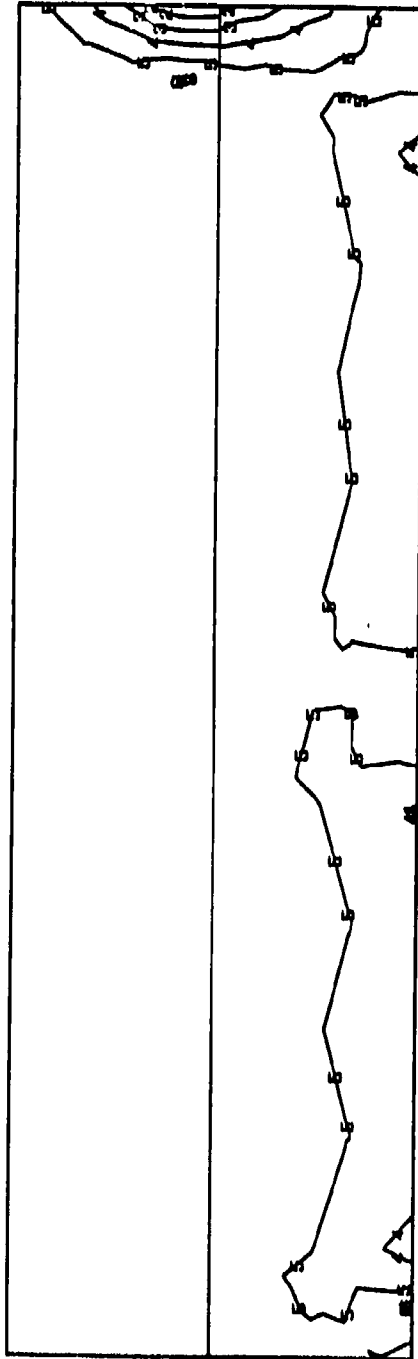


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.950E+01 STEP 25 INCREMENT 20

2
LJE

1 -9.00E+01
2 -7.00E+01
3 -5.00E+01
4 -3.00E+01
5 -9.99E+00
6 +1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 74.7 deg.F
time = 70 days

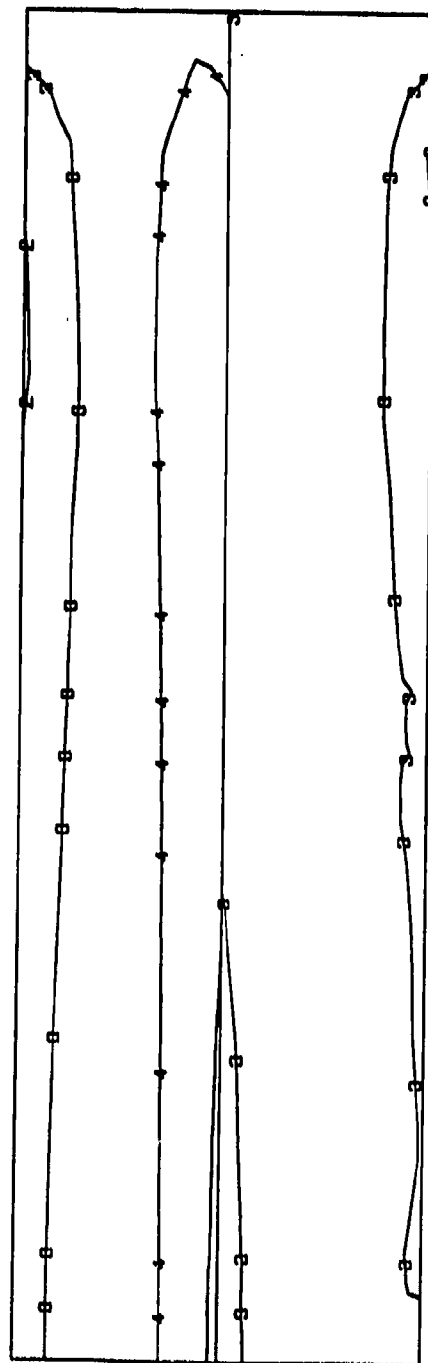


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.560E+01 STEP 25 INCREMENT 20

33
ALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 74.7 deg.F
time = 70 days

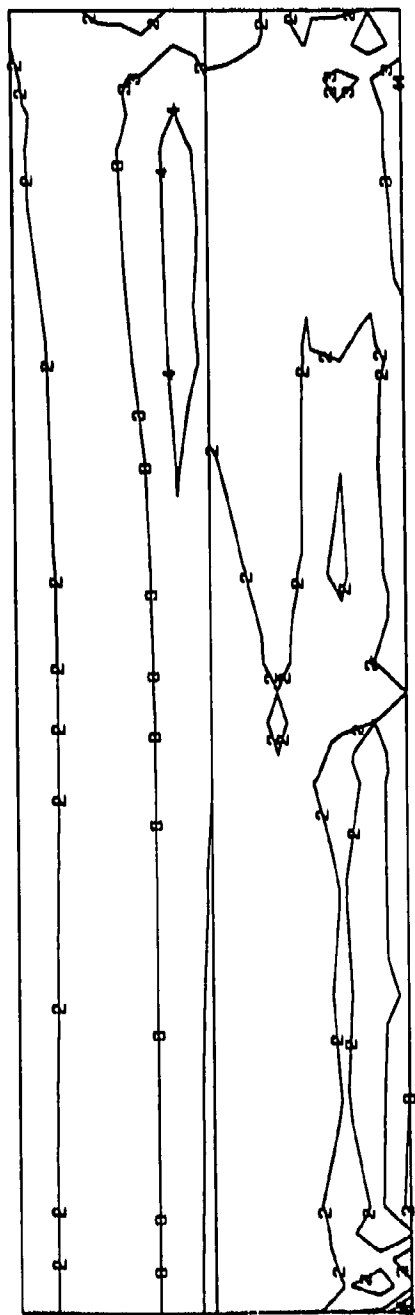


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_8
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.950E+01 STEP 26 INCREMENT 20

PRINT3
VALUE

1 -1.93E+01
2 +2.00E+00
3 +2.40E+01
4 +4.60E+01
5 +6.80E+01
6 +9.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 74.7 deg.F
time = 70 days

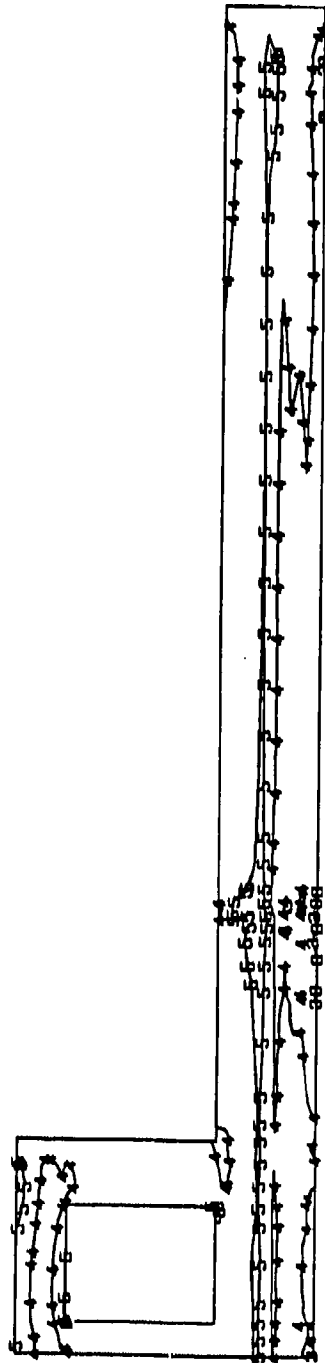


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1_B
TIME COMPLETED IN THIS STEP +2.00E+01 TOTAL ACCUMULATED TIME +5.950E+01 STEP 25 INCREMENT 20

11
VALUE

- 1 -2.00E+02
- 2 -1.40E+02
- 3 -8.00E+01
- 4 -1.99E+01
- 5 +4.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 71.9 deg. F
time = 80 days

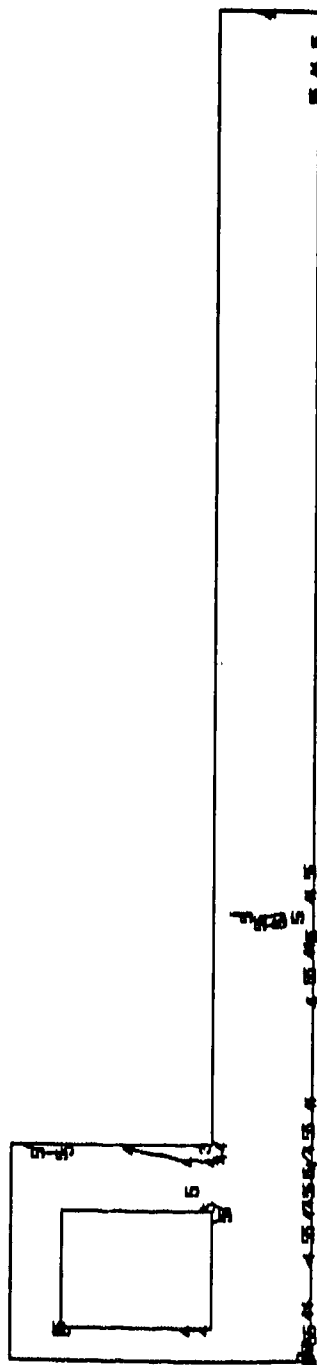


¹
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.950E+01 STEP 31 INCREMENT 6

22
VALUE

1 -3.00E+02
2 -2.20E+02
3 -1.40E+02
4 -5.99E+01
5 +2.00E+01
6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 71.9 deg. F
time = 80 days



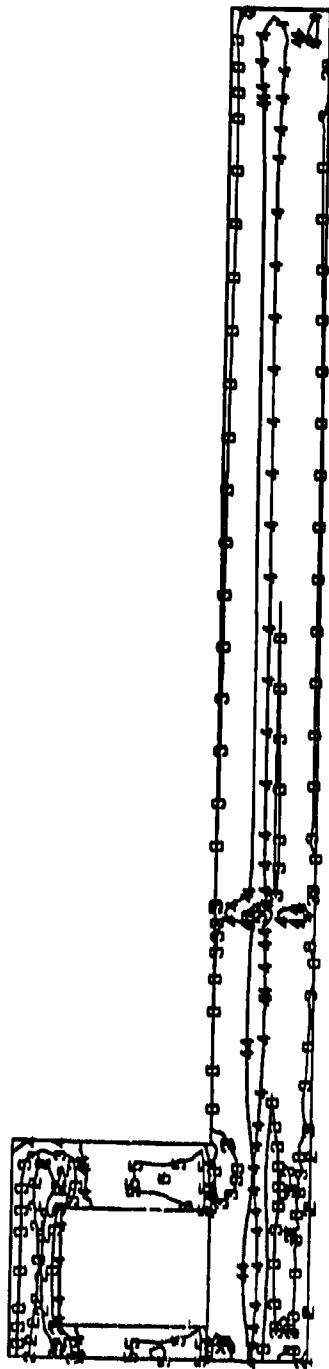
1
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.950E+01 STEP 21 INCREMENT 5

33

VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
 ambient temp = 71.9 deg. F
 time = 80 days

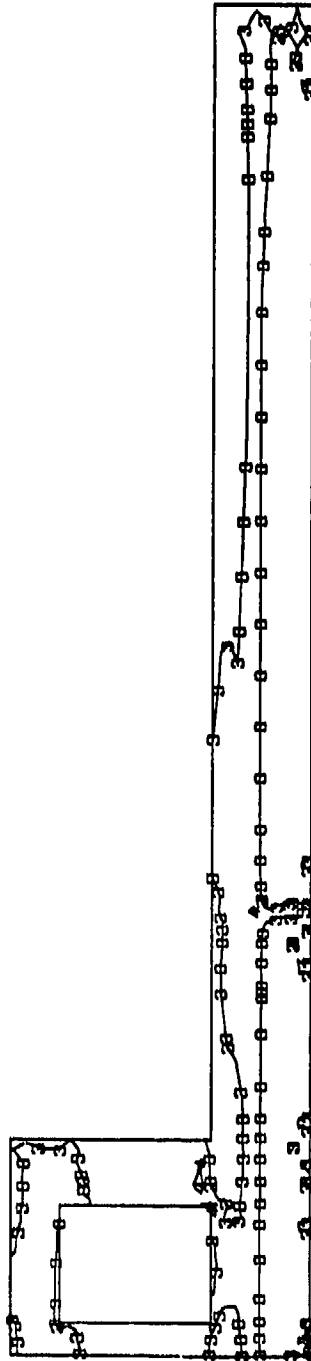


¹
 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.560E+01 ■ STEP 31 INCREMENT 6

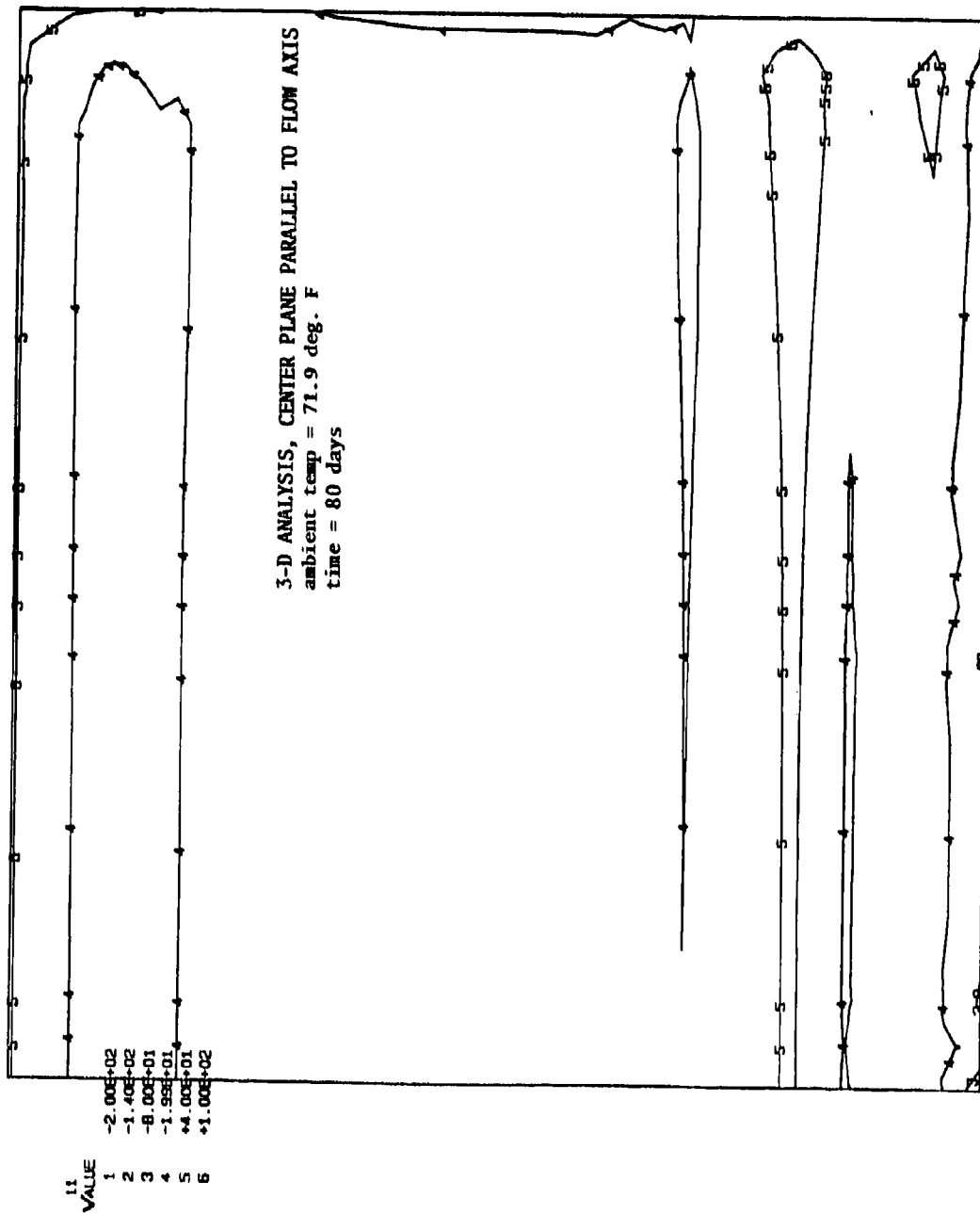
PRING
VALUE

1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 71.9 deg. F
time = 80 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.550E+01 STEP 31 INCREMENT 5

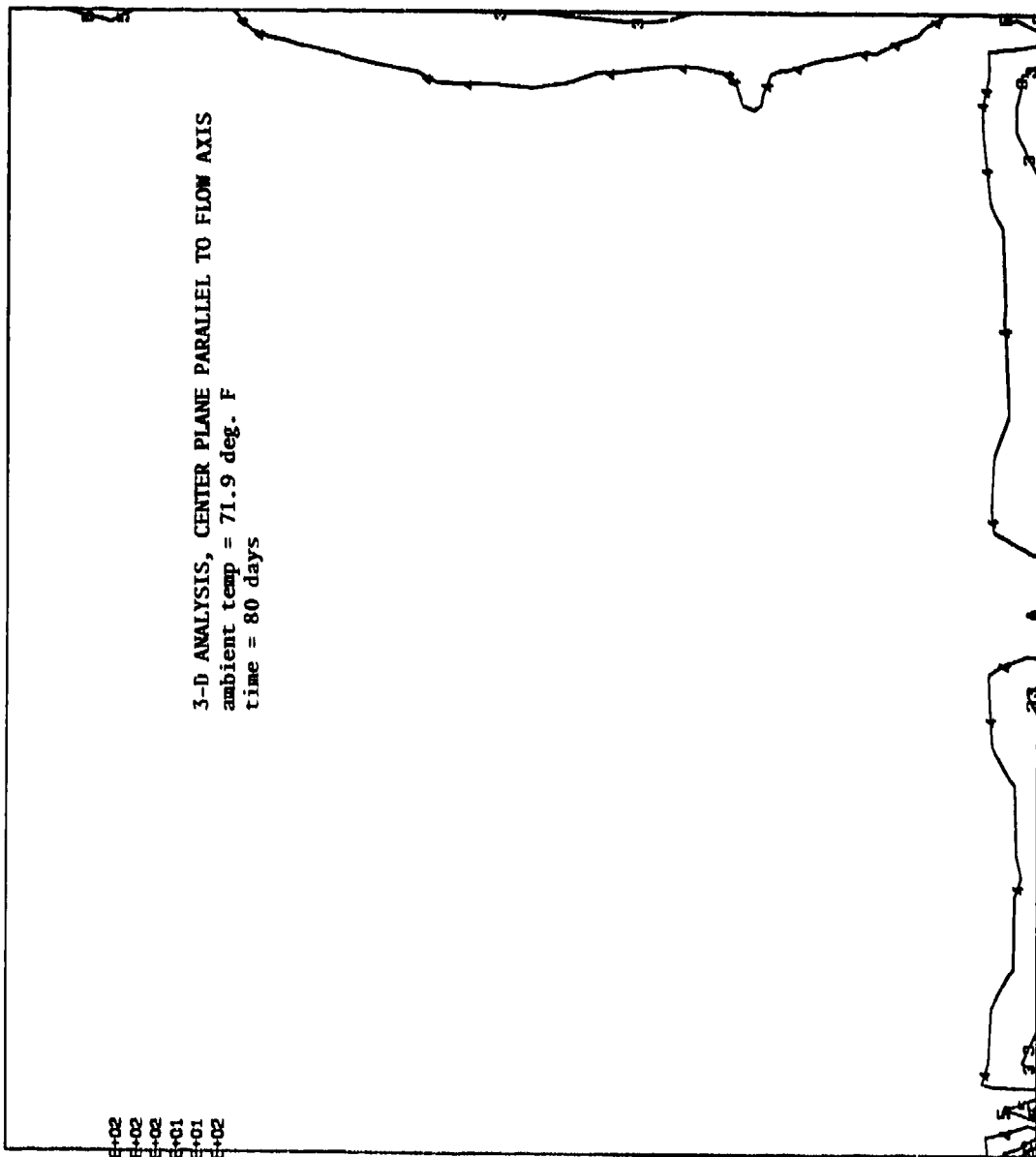


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.950E+01 STEP 31 INCREMENT 5

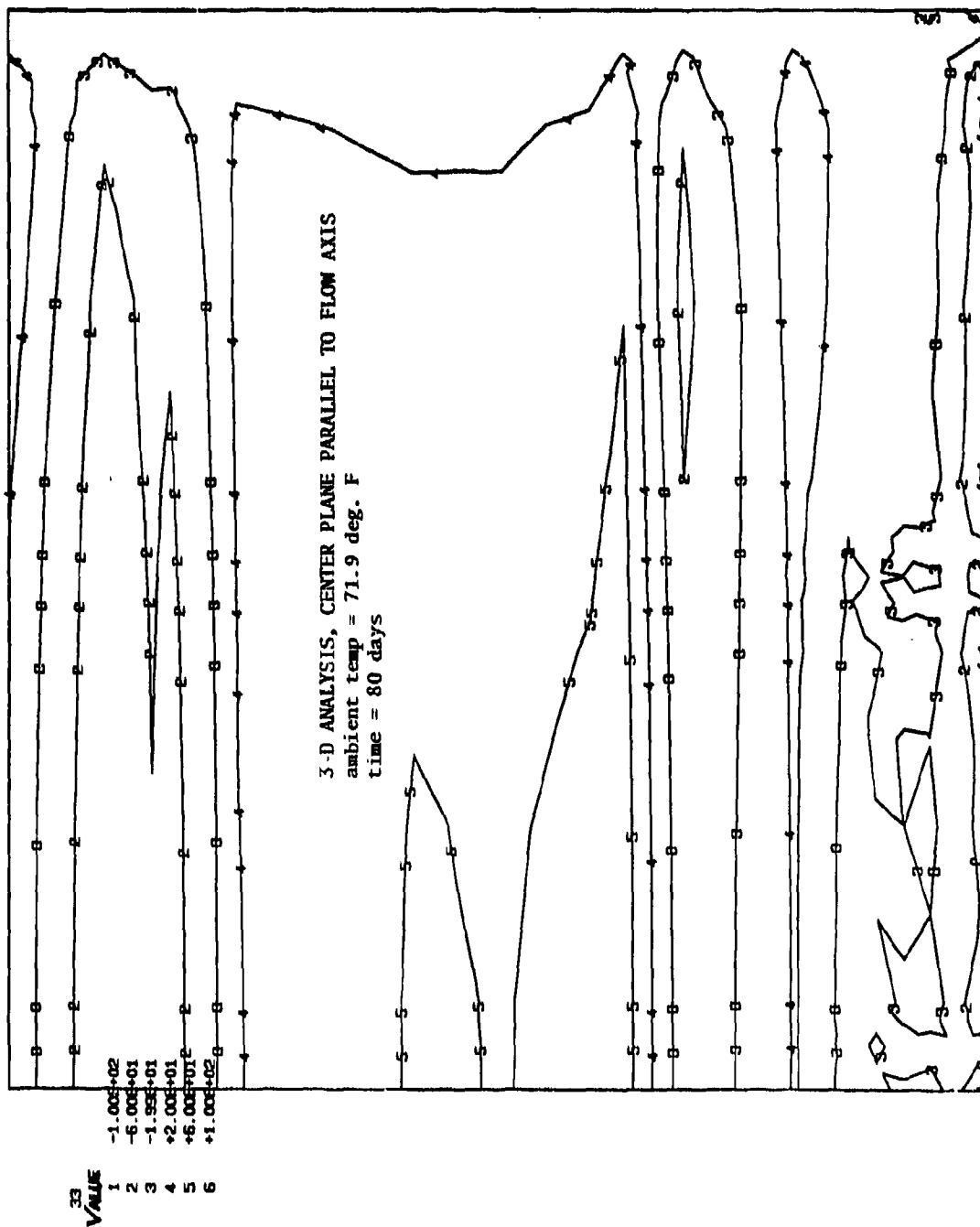
22
VALUE
1 -3.00E+02
2 -2.20E+02
3 -1.40E+02
4 -5.95E+01
5 +2.00E+01
6 +1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
ambient temp = 71.9 deg. F
time = 80 days



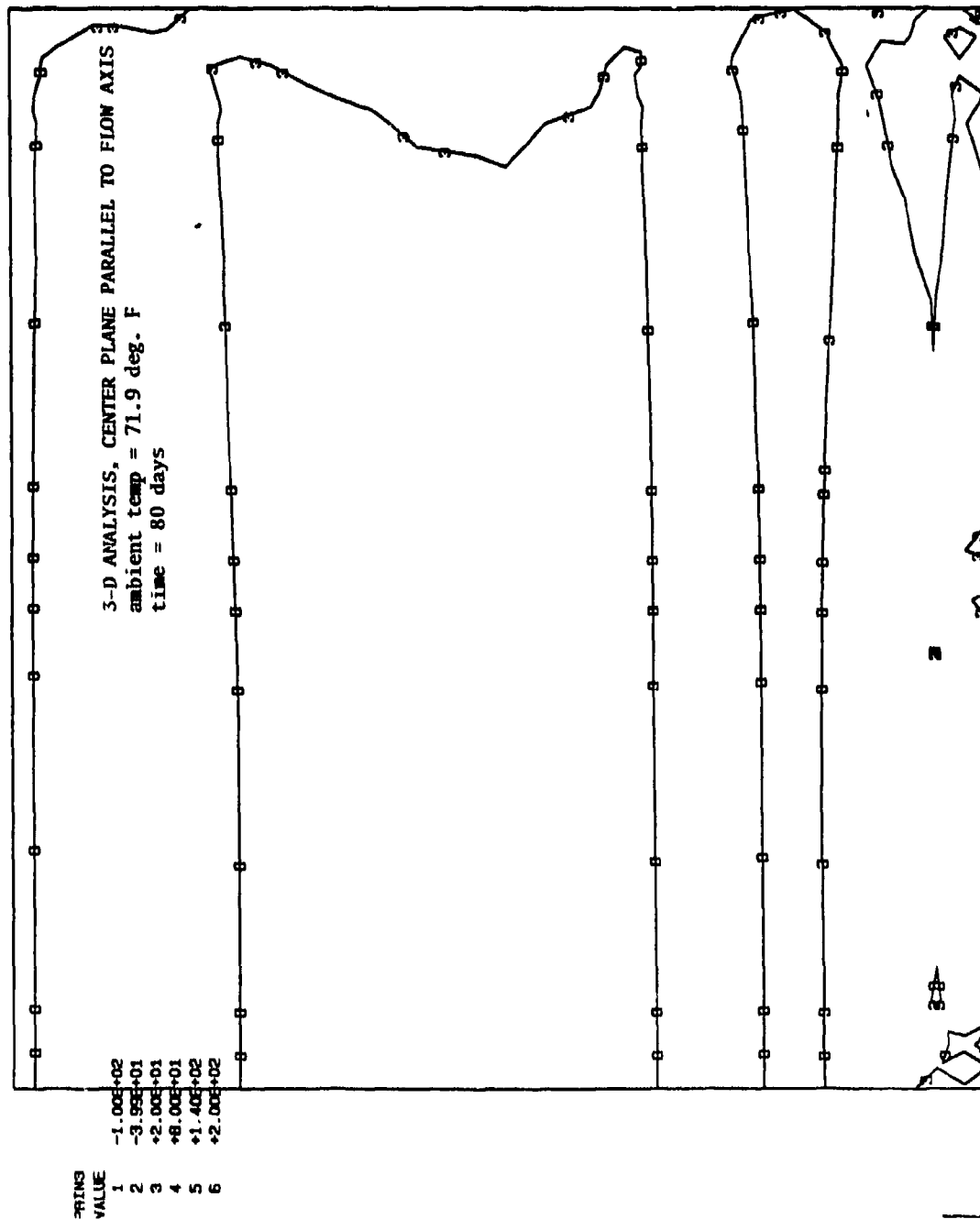
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.900E+01 STEP 31 INCREMENT 5



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.600E+03 TOTAL ACCUMULATED TIME +7.950E+01 ■ STEP 31 INCREMENT 5

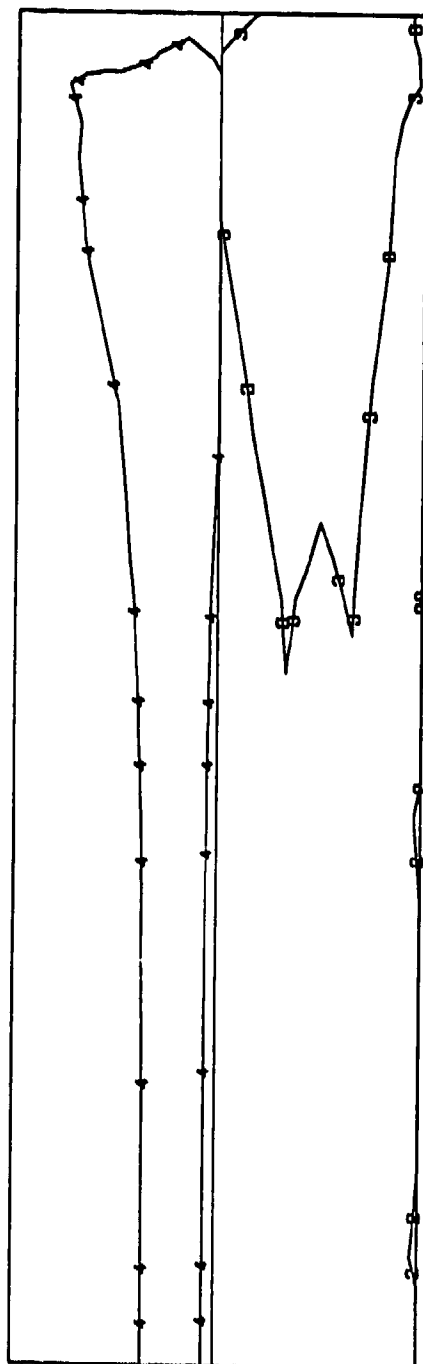


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.550E+01 STEP 31 INCREMENT 6

S11
VALUE

1	-1.00E+02
2	-5.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 71.9 deg. F
time = 80 days

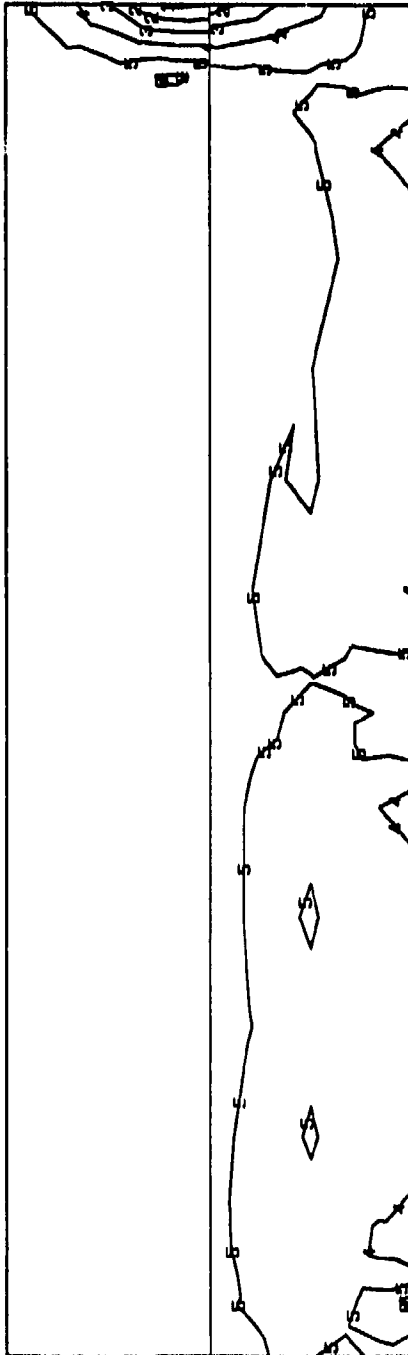


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.950E+01 STEP 31 INCREMENT 5

122
VALUE

1	-8.02E+01
2	-6.20E+01
3	-4.40E+01
4	-2.60E+01
5	-7.99E+00
6	+1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 71.9 deg. F
time = 80 days



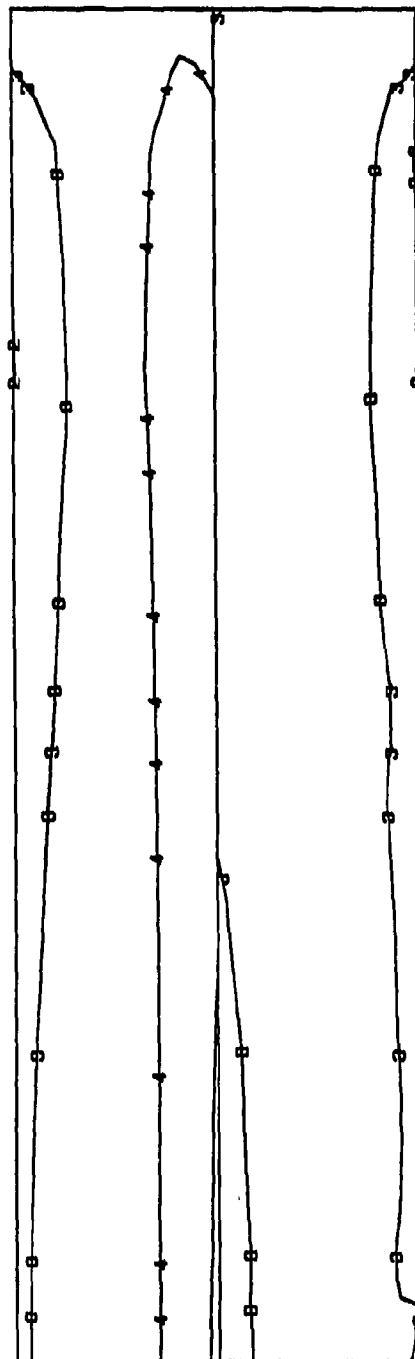
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.990E+01 ■ STEP 31 INCREMENT 5

S33
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 71.9 deg. F
time = 80 days



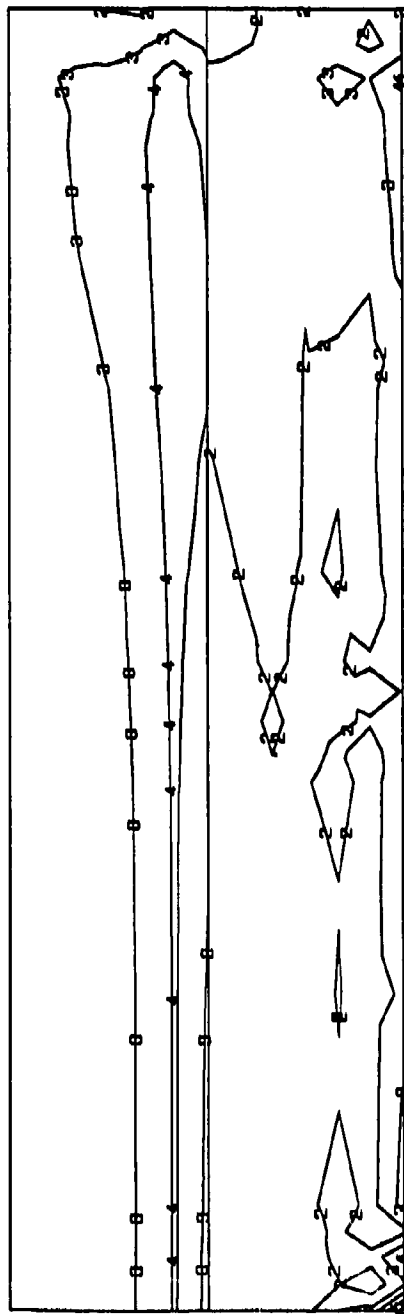
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.900E+01 STEP 31 INCREMENT 5

TRIM3
VALUE

1	-1.99E+01
2	+2.00E-06
3	+2.00E+01
4	+4.00E+01
5	+6.00E+01
6	+8.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 71.9 deg. F
time = 80 days

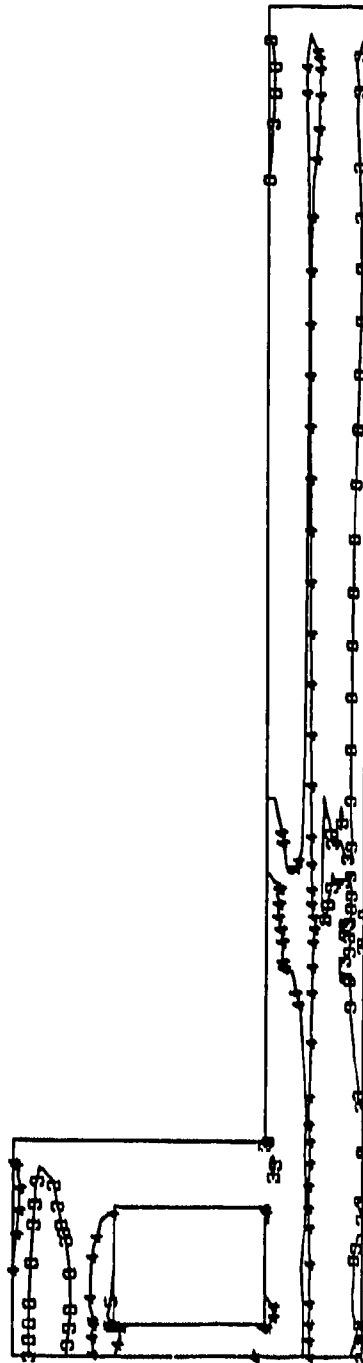


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.960E+01 STEP 31 INCREMENT 5

S11
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 69.3 deg. F
time = 90 days



I67

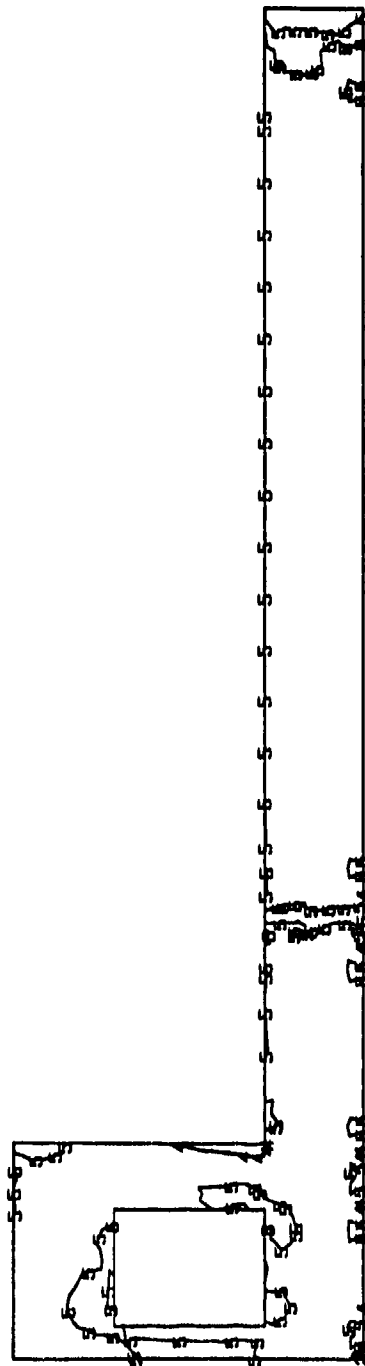
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.960E+01 STEP 36 INCREMENT 6

22

VALUE	
1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-9.99E+01
5	+1.00E-04
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
 ambient temp = 69.3 deg. F
 time = 90 days

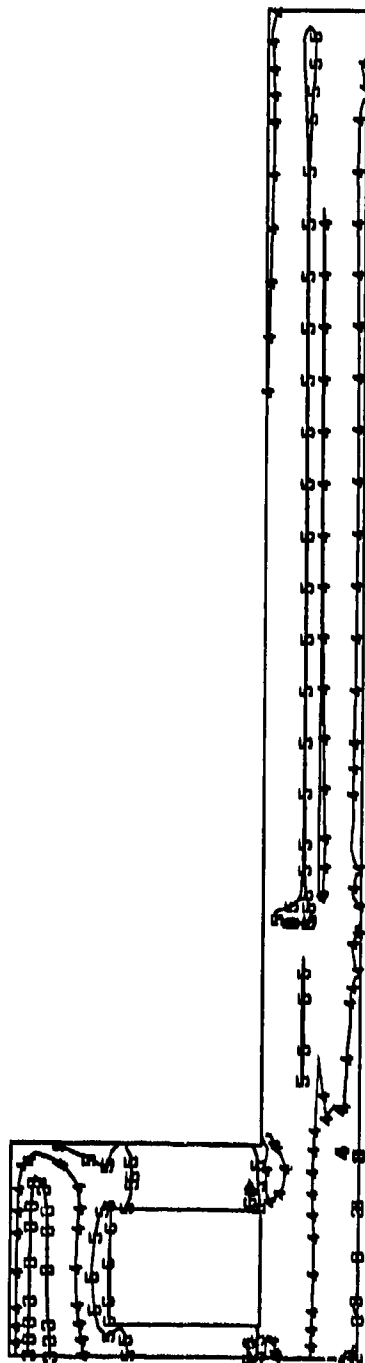


¹
 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.550E+01 ■ STEP 36 INCREMENT 6

533
VALUE

- 1 -2.00E+02
- 2 -1.40E+02
- 3 -8.00E+01
- 4 -1.99E+01
- 5 +4.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 69.3 deg. F
time = 90 days



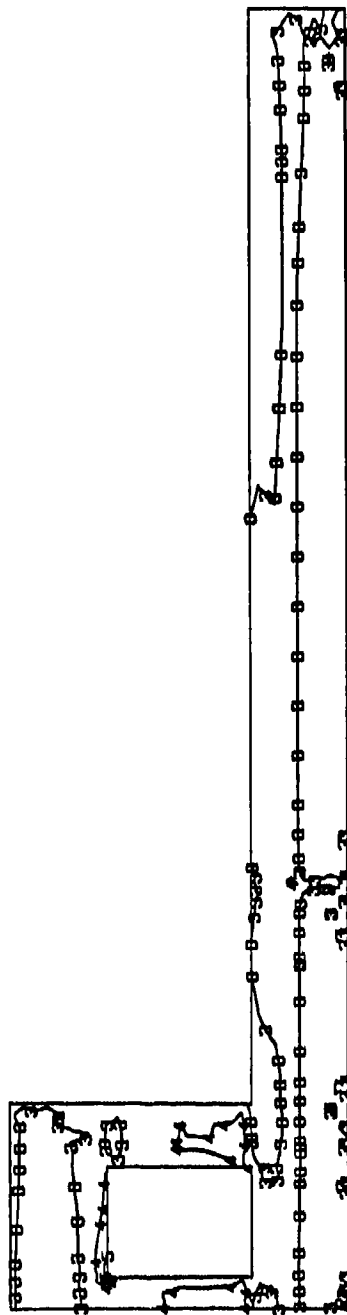
1

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

PRDNG
VALUE

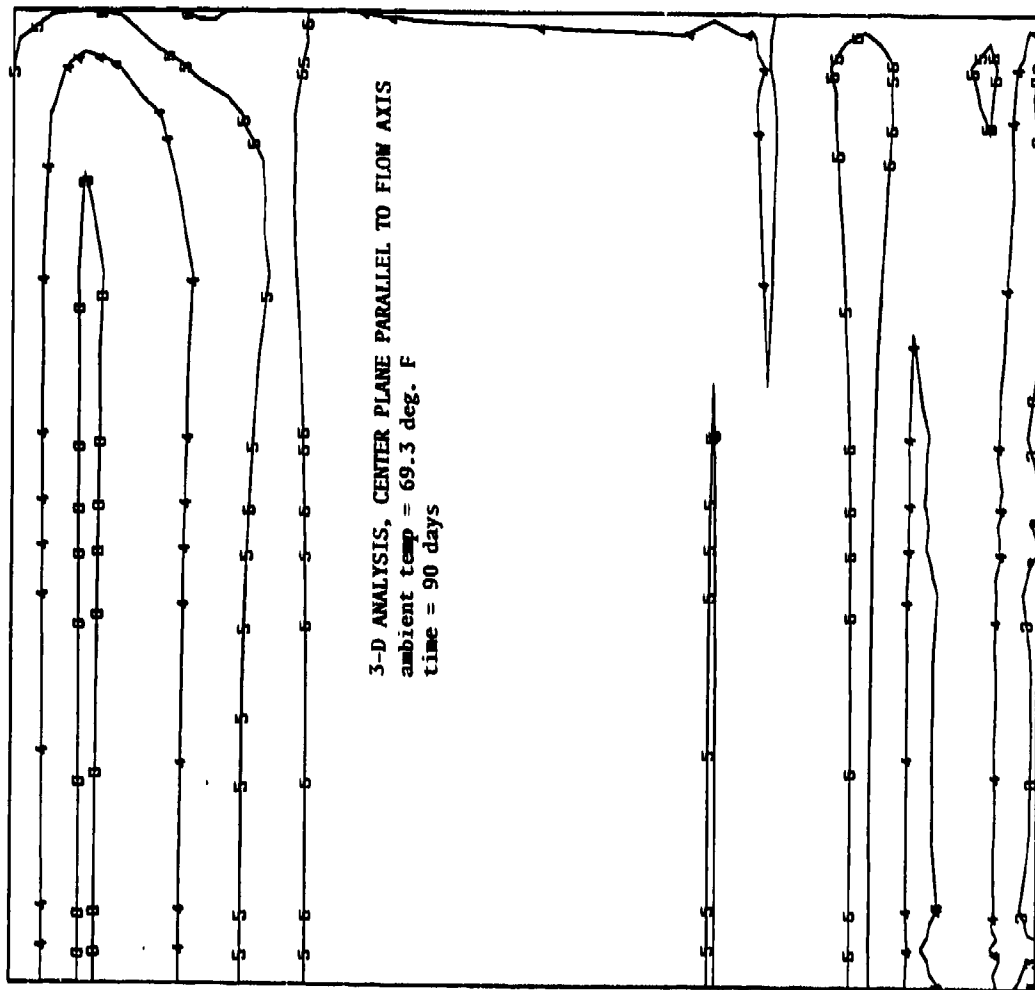
1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 69.3 deg. F
time = 90 days



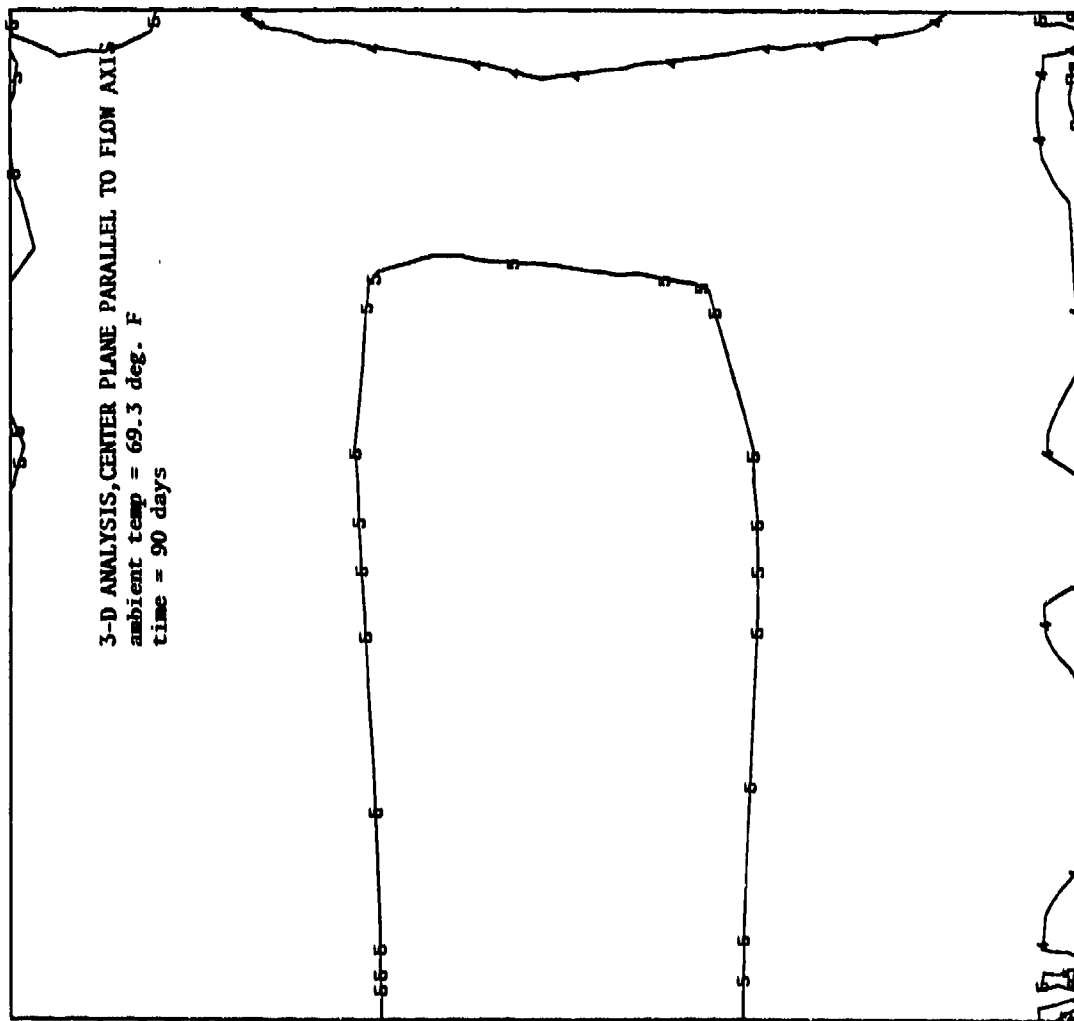
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

S11
VALUE
1 -2.00E+02
2 -1.40E+02
3 -8.00E+01
4 -1.95E+01
5 +4.00E+01
6 +1.00E+02



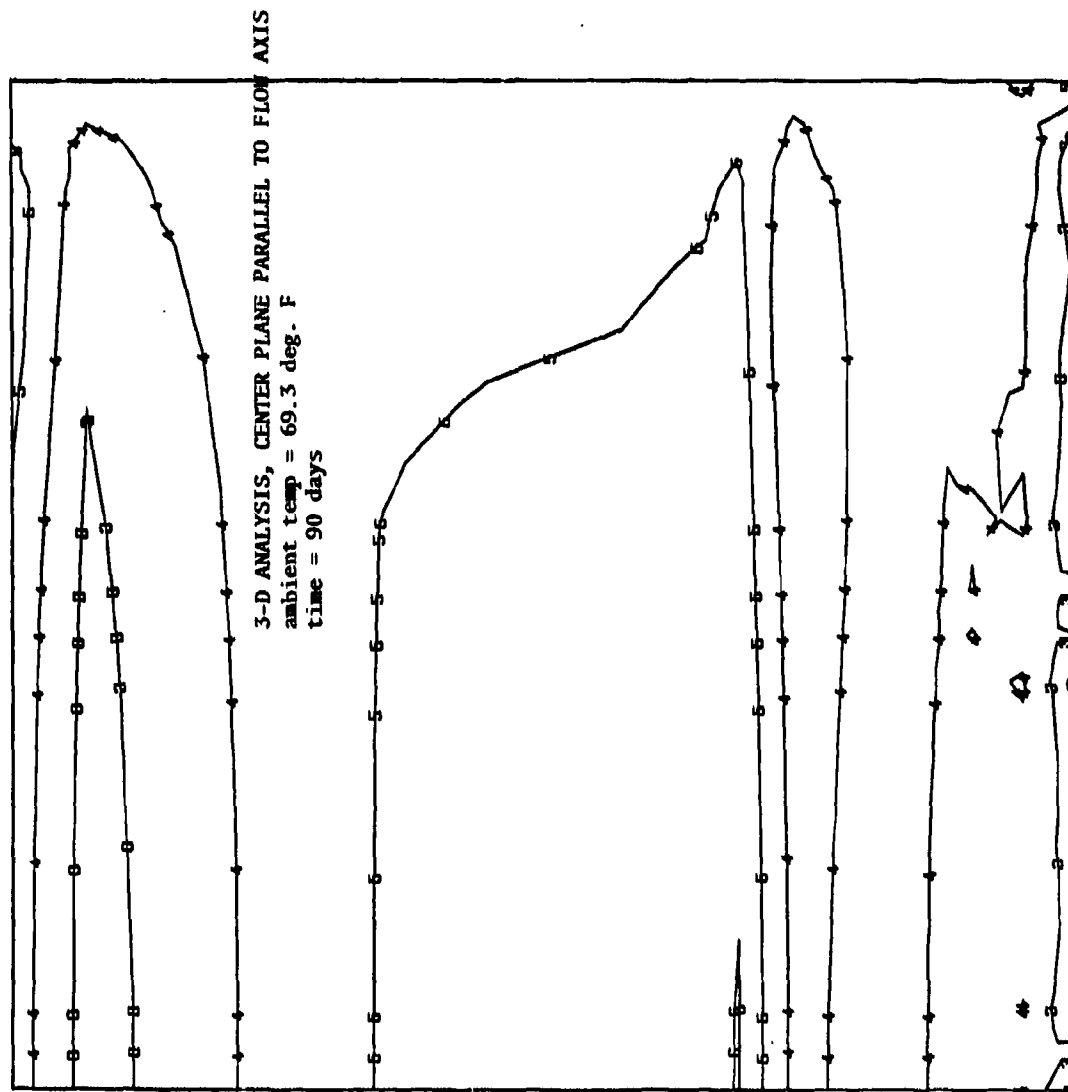
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.950E+01 STEP 35 INCREMENT 5

S22
 VALUE
 1 -4.00E+02
 2 -3.00E+02
 3 -2.00E+02
 4 -9.99E+01
 5 +1.00E-04
 6 +1.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.550E+01 STEP 36 INCREMENT 5

533
 VALUE
 1 -2.00E+02
 2 -1.40E+02
 3 -8.00E+01
 4 -1.90E+01
 5 +4.00E+01
 6 +1.00E+02

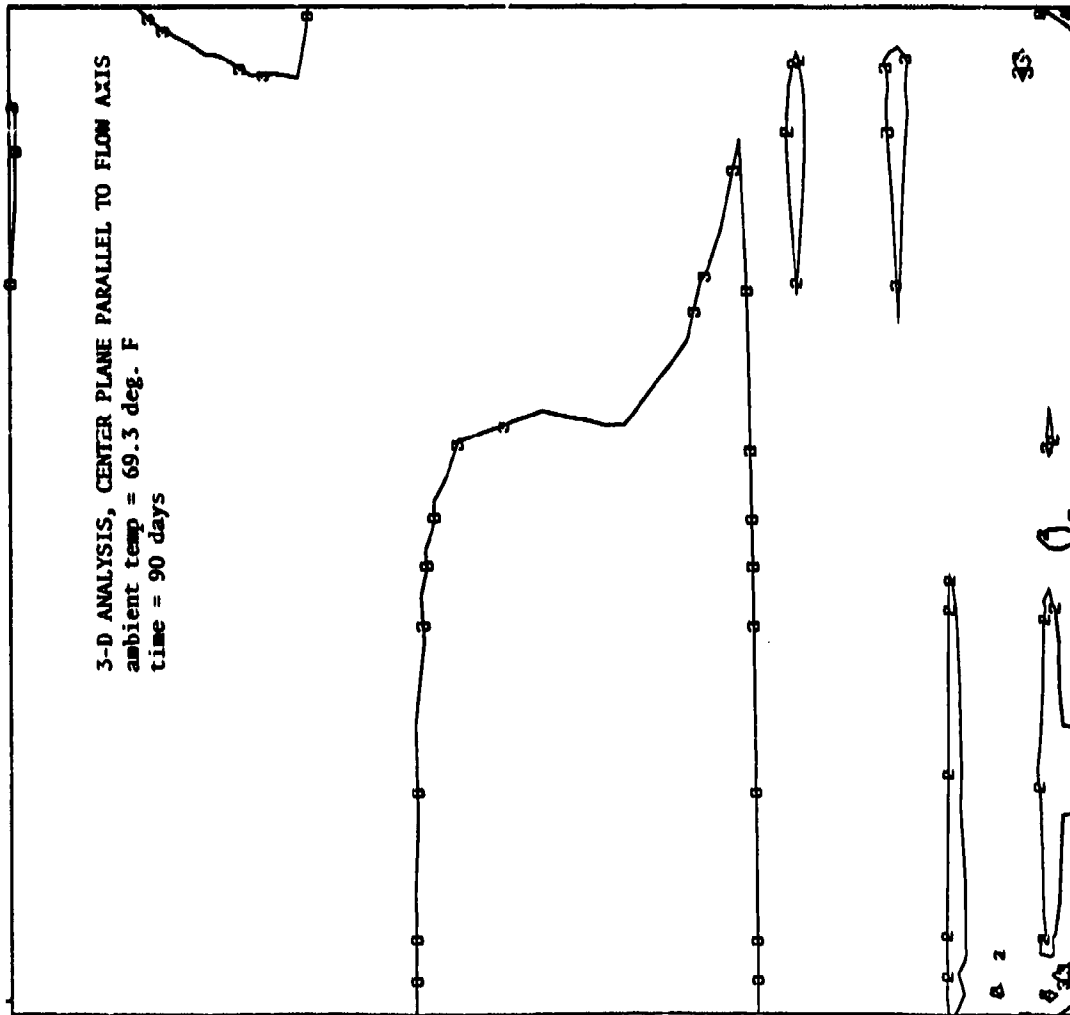


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112
 TIME COMPLETED IN THIS STEP +6.000E+00 TOTAL ACCUMULATED TIME +8.900E+01 # STEP 36 INCREMENT 5

PRIMS
VALUE

1	-1.00E+02
2	-1.53E+01
3	+2.00E+01
4	+1.40E+02
5	+2.20E+02
6	+3.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS
ambient temp = 69.3 deg. F
time = 90 days

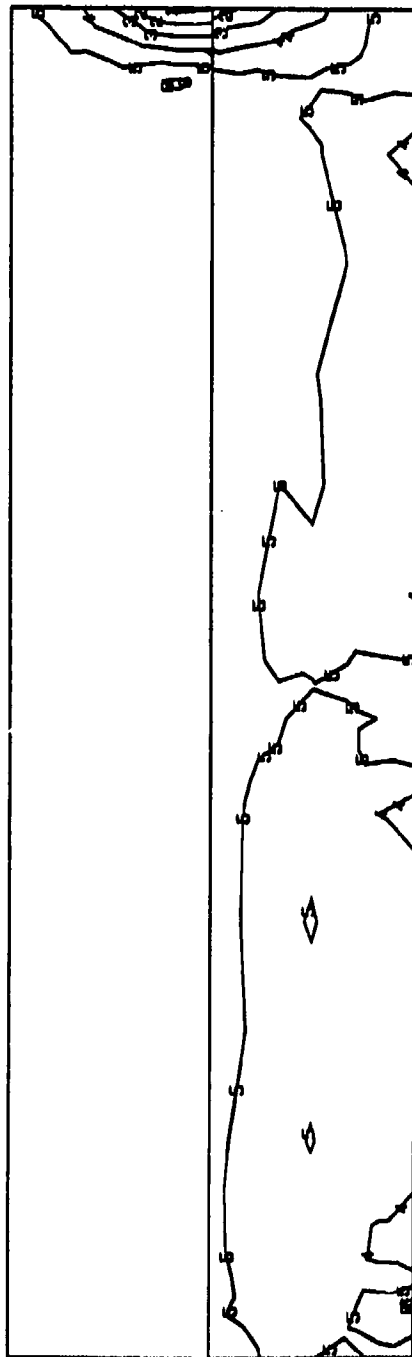


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.960E+01 # STEP 36 INCREMENT 5

S22
VALUE

1	-8.00E+01
2	-6.20E+01
3	-4.40E+01
4	-2.60E+01
5	-7.99E+00
6	+1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 69.3 deg. F
time = 90 days

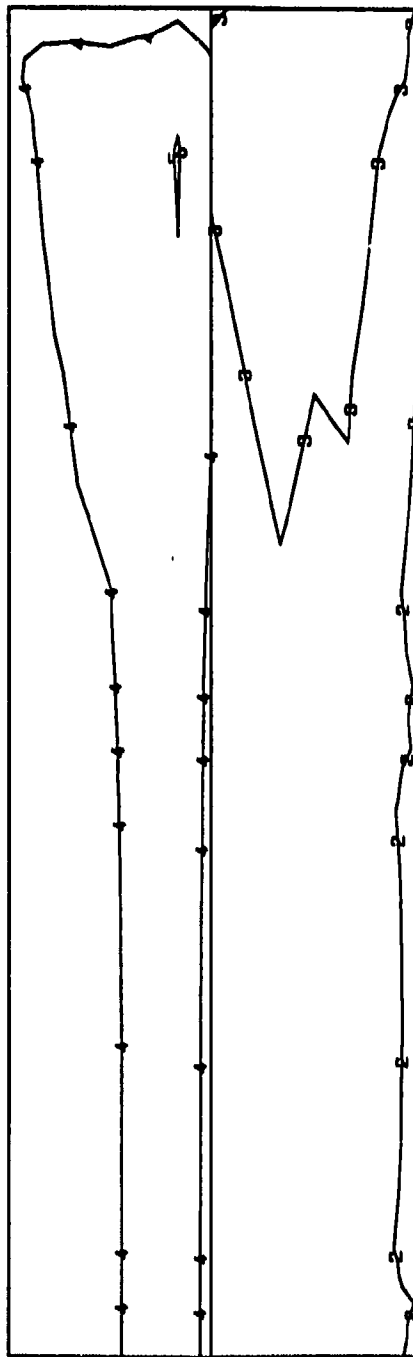


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.990E+01 STEP 35 INCREMENT 5

511
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 69.3 deg. F
time = 90 days

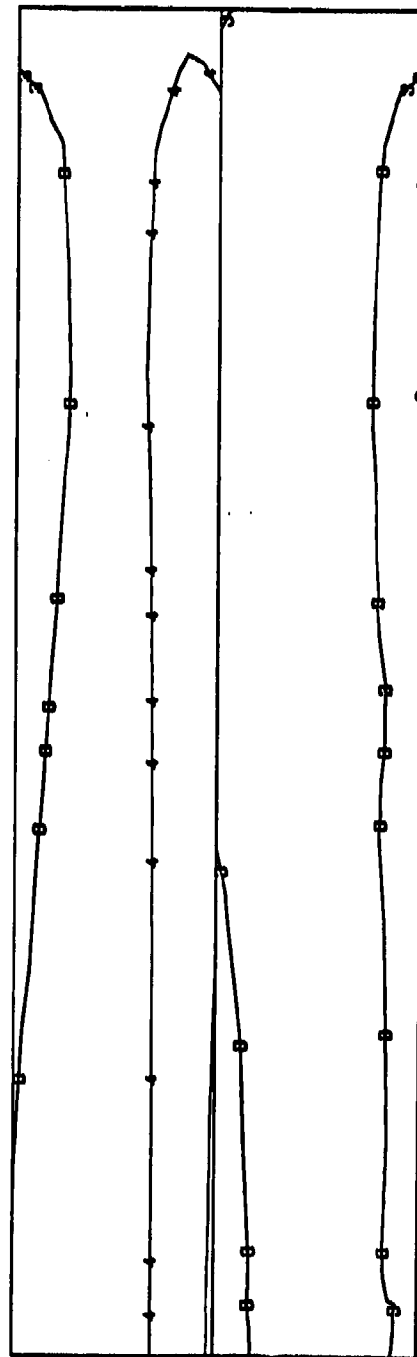


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.950E+01 # STEP 35 INCREMENT 5

533
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.95E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 69.3 deg. F.
time = 90 days

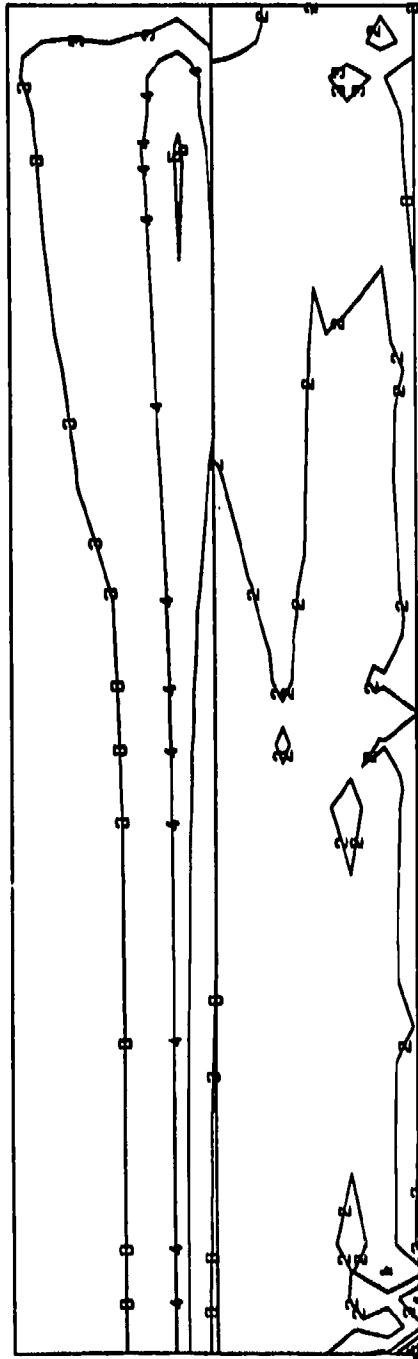


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.950E+01 STEP 35 INCREMENT 5

PRINT
VALUE

1 -1.99E+01
2 +2.00E-06
3 +2.00E+01
4 +4.00E+01
5 +6.00E+01
6 +8.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 69.3 deg. F
time = 90 days



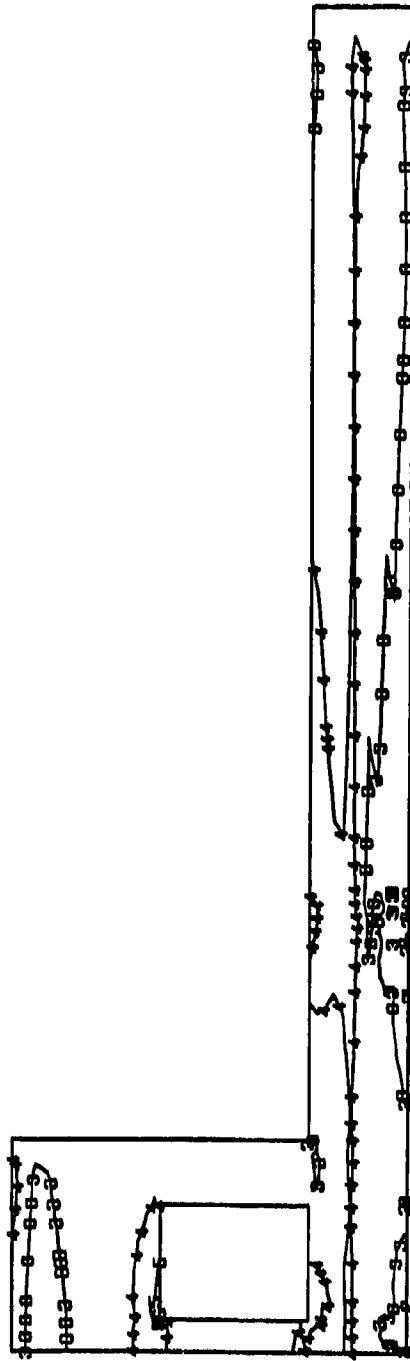
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.960E+01 # STEP 35 INCREMENT 5

SL1
VALUE

1 -2.00E+02
2 -1.20E+02
3 -3.99E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 67 deg. F
time = 95 days



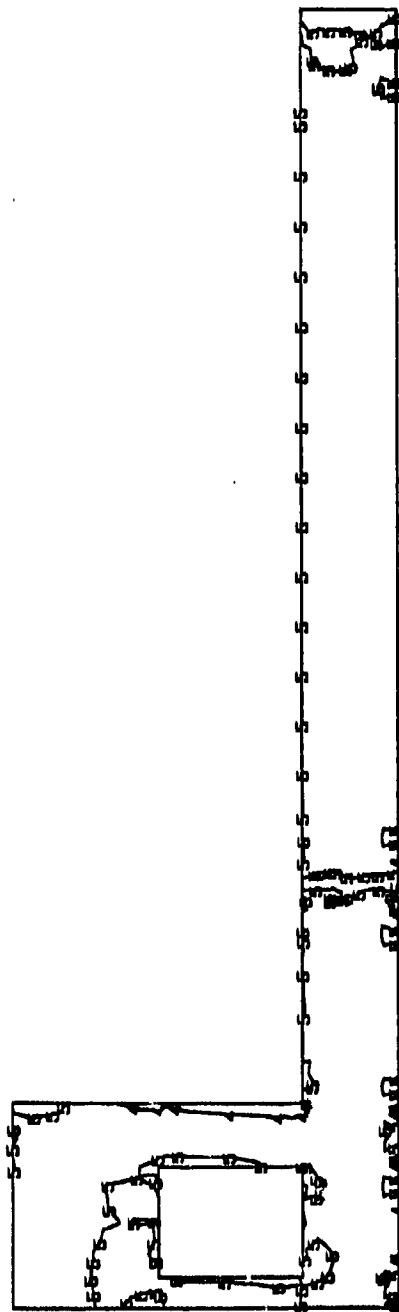
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 40 INCREMENT 5

S22
VALUE

1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-3.99E+01
5	+1.00E-04
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 67 deg. F.
time = 95 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

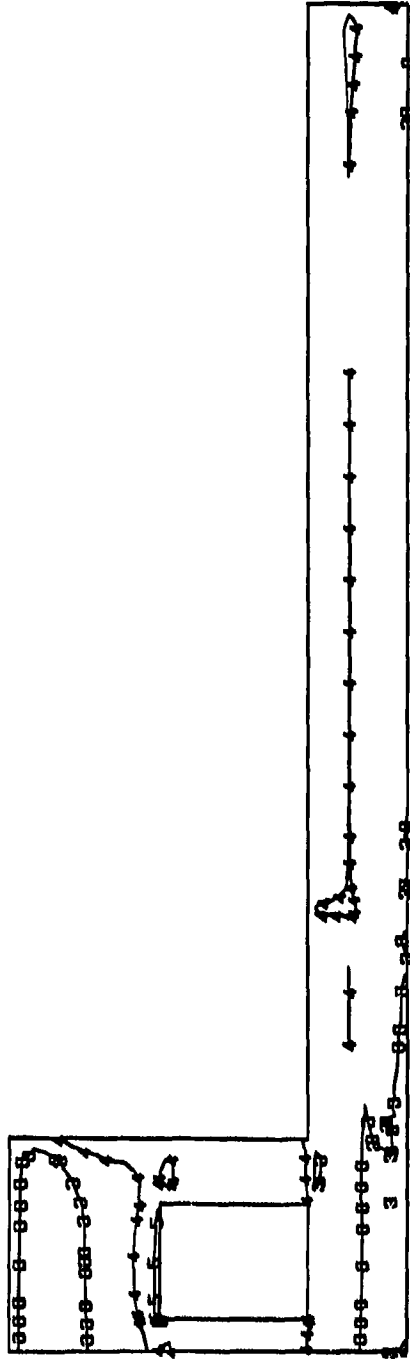
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.460E+01 STEP 40 INCREMENT 5

SS3

VALUE

- 1 -2.00E+02
- 2 -1.20E+02
- 3 -3.99E+01
- 4 +4.00E+01
- 5 +1.20E+02
- 6 +2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
 ambient temp = 67 deg. F
 time = 95 days



I81

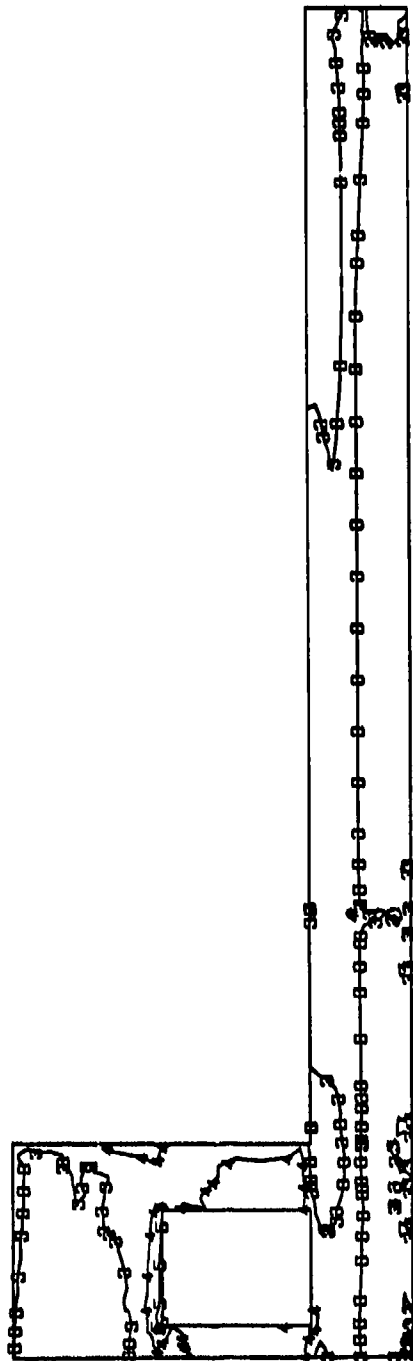
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 40 INCREMENT 6

PRIN3
VALUE

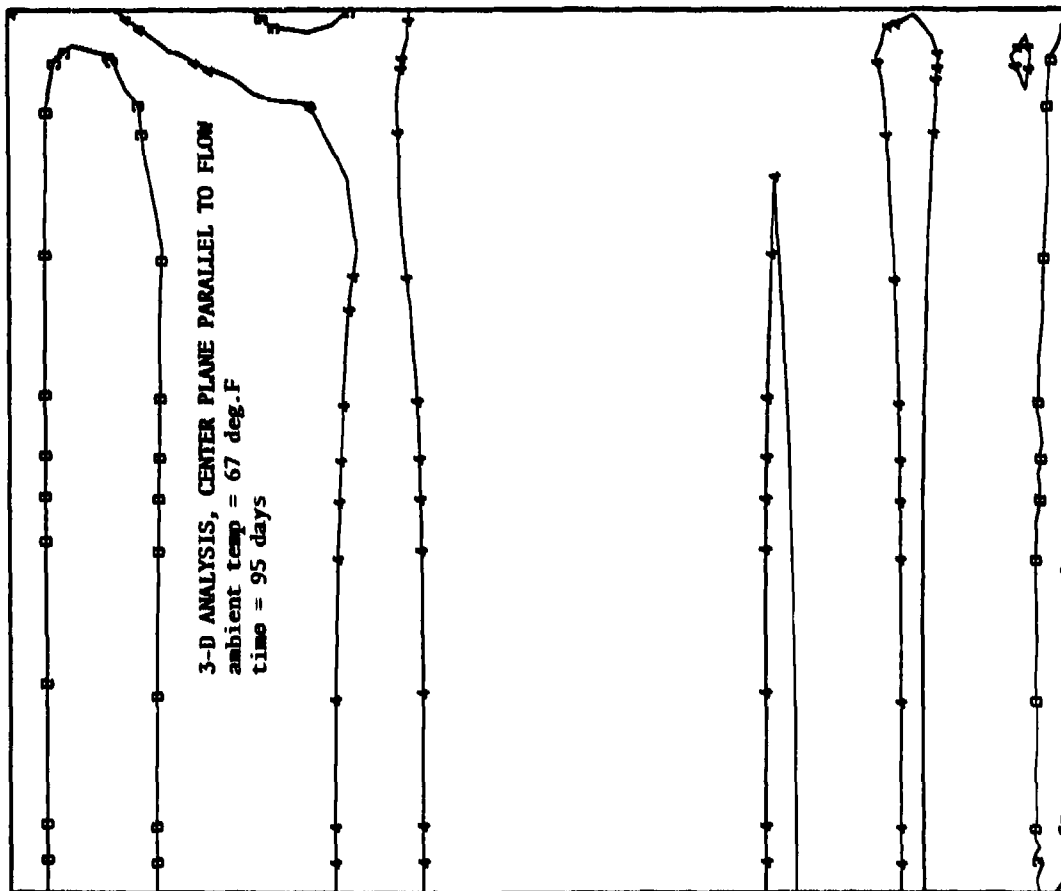
1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 67 deg. F
time = 95 days



1
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 40 INCREMENT 5

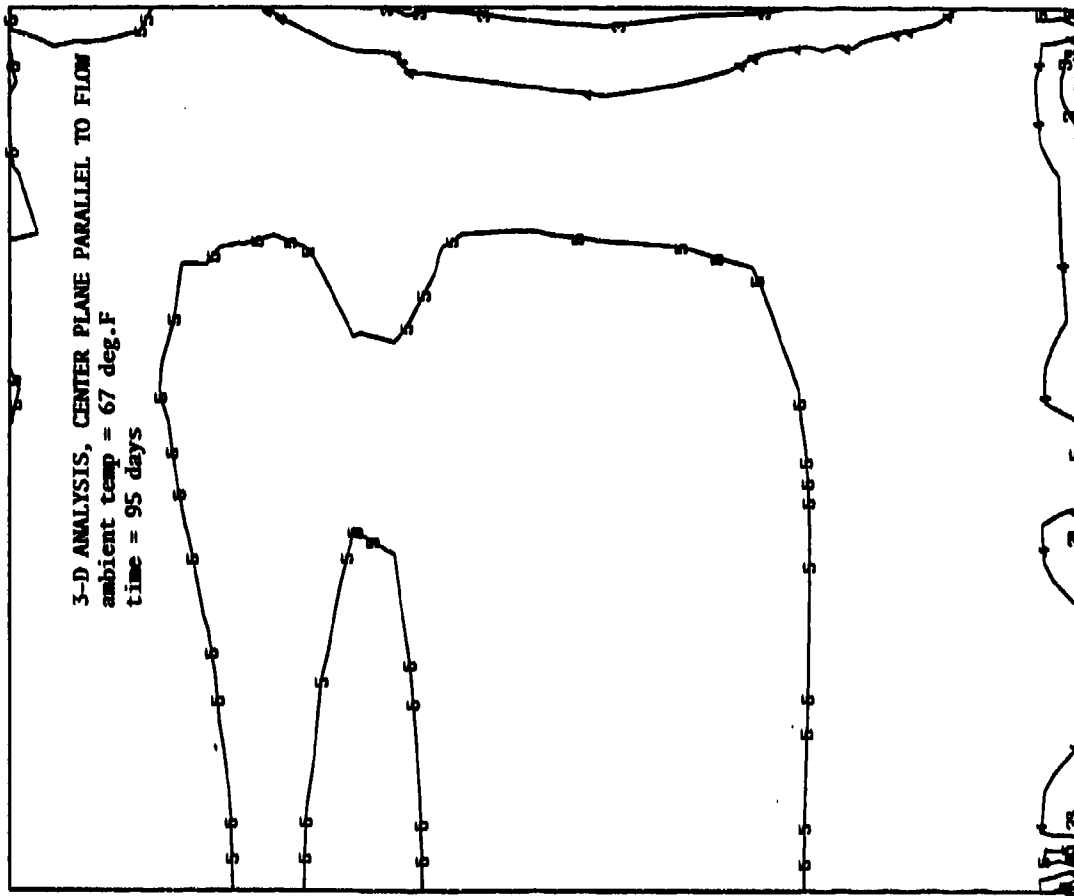
S11
VALUE
1 -2.00E+02
2 -1.20E+02
3 -3.98E+01
4 +4.00E+01
5 +1.20E+02
6 +2.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.49E+00 8 STEPS AND TRANSIENT C

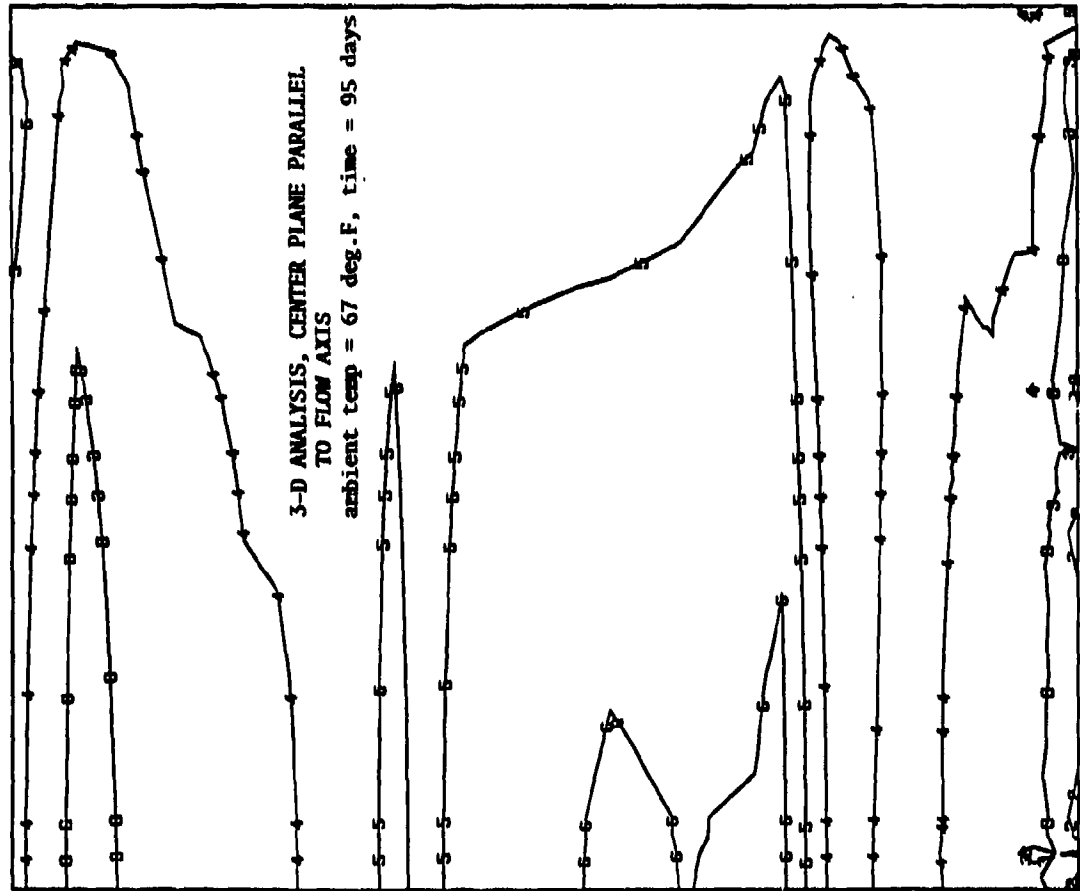
S22
VALUE

1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-9.99E+01
5	+1.00E-04
6	+1.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

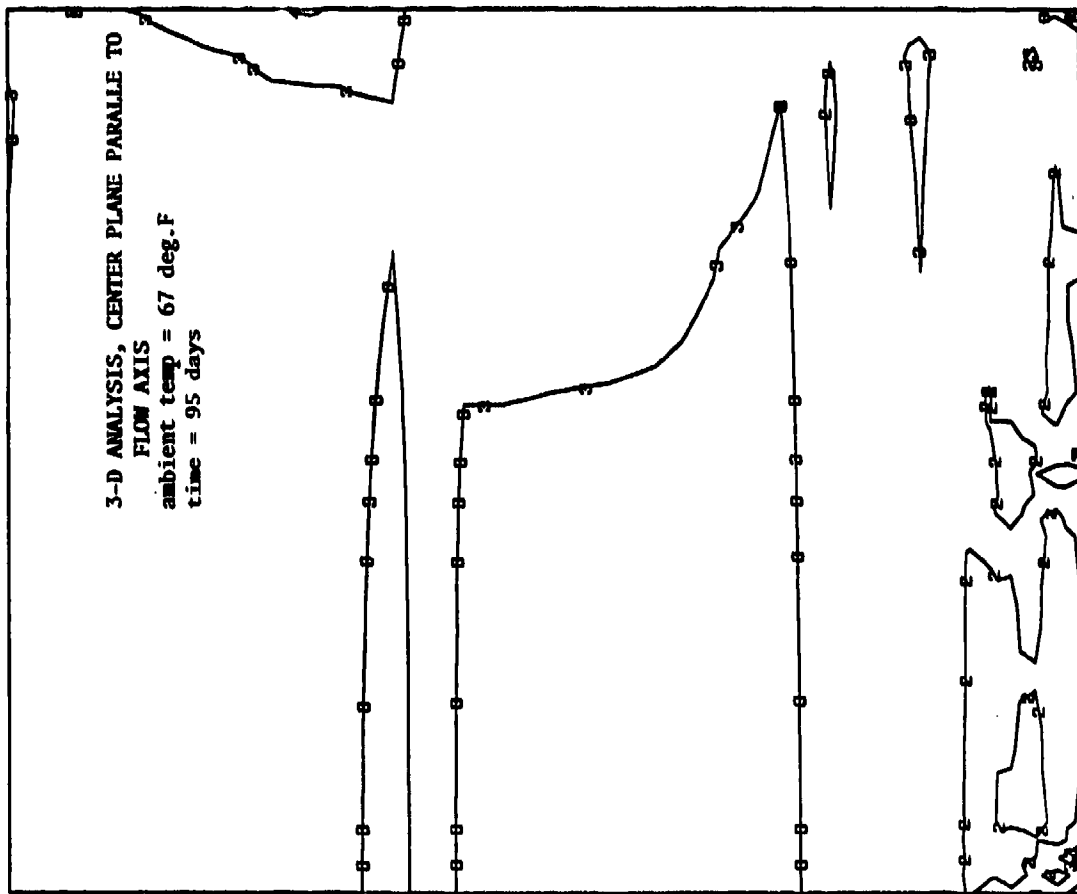
S33
 VALUE
 1 -2.00E+02
 2 -1.40E+02
 3 -8.00E+01
 4 -1.98E+01
 5 +4.00E+01
 6 +1.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114
 TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ATTEMPTS AFTER TIME +3.00E+00

PRINTS
VALUE

1	-1.00E+02
2	-1.99E+01
3	+6.00E+01
4	+1.40E+02
5	+2.20E+02
6	+3.00E+02

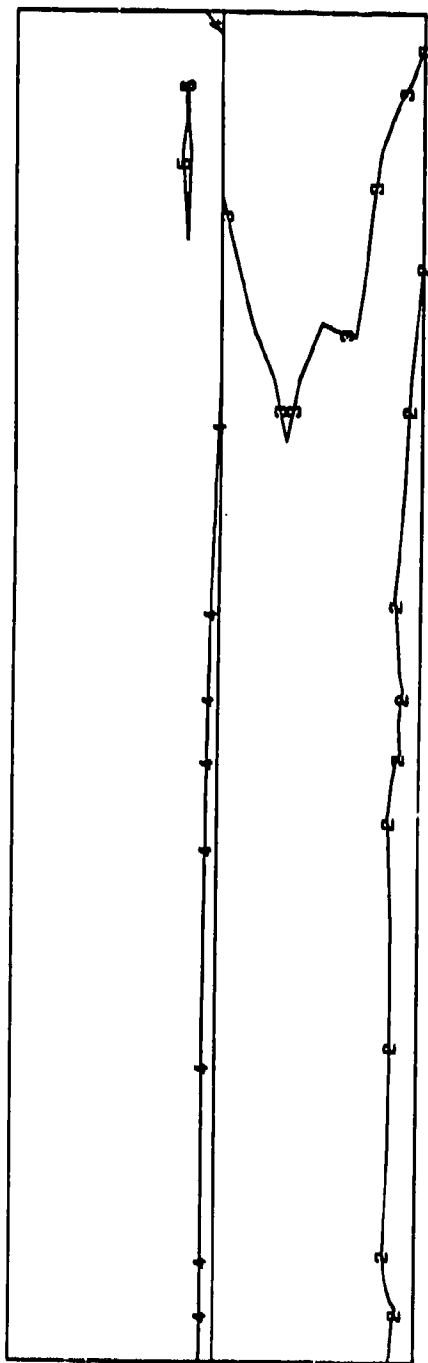


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

S11
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 67 deg. F
time = 95 days

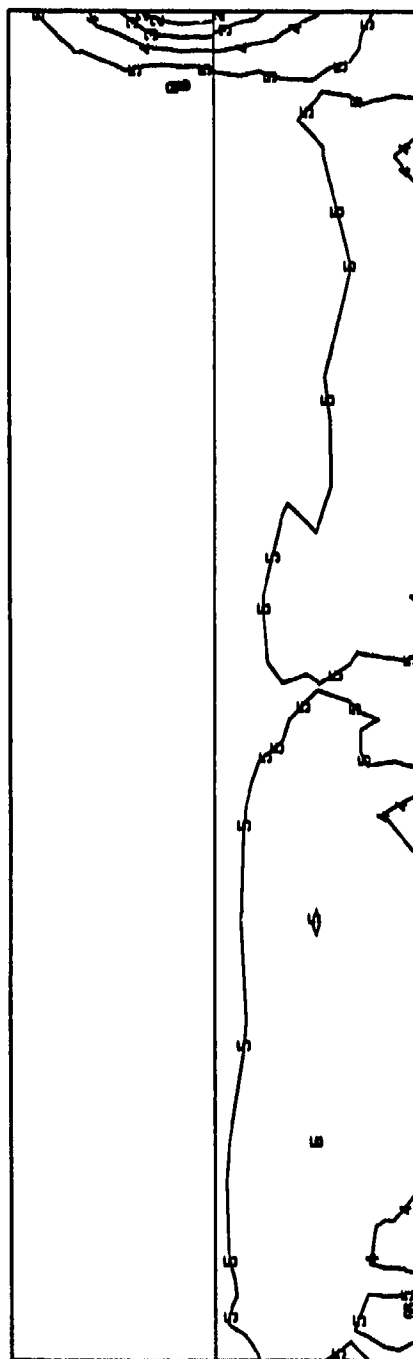


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.480E+01 ■ STEP 40 INCREMENT 5

B22
VALUE

1	-8.00E+01
2	-6.20E+01
3	-4.40E+01
4	-2.60E+01
5	-7.95E+00
6	+1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 67 deg. F
time = 95 days

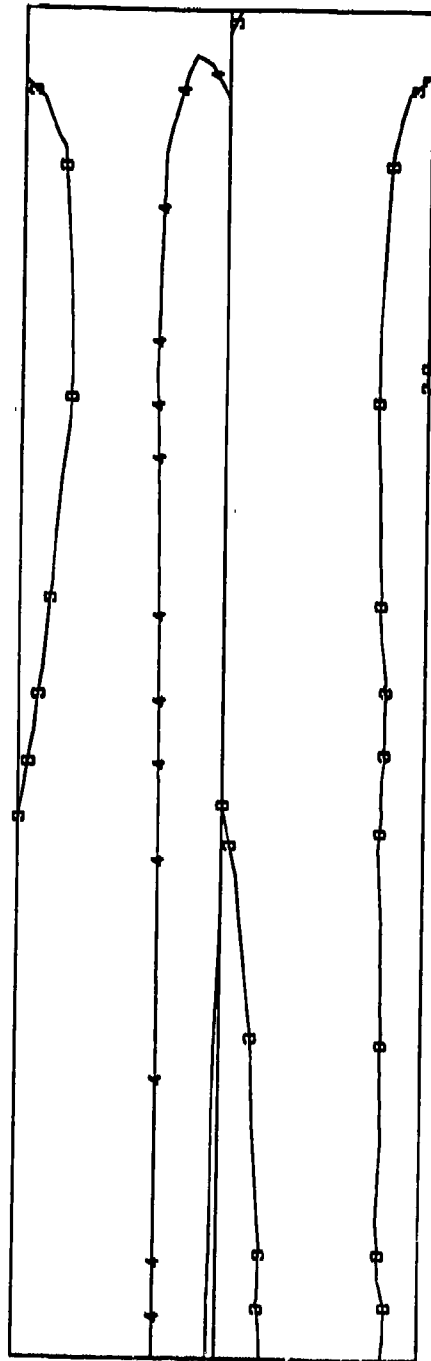


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 B STEP AN INCREMENT 5

SS3
VALUE

1 -1.00E+02
2 -6.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 3
ambient temp = 67 deg.F
time = 95 days



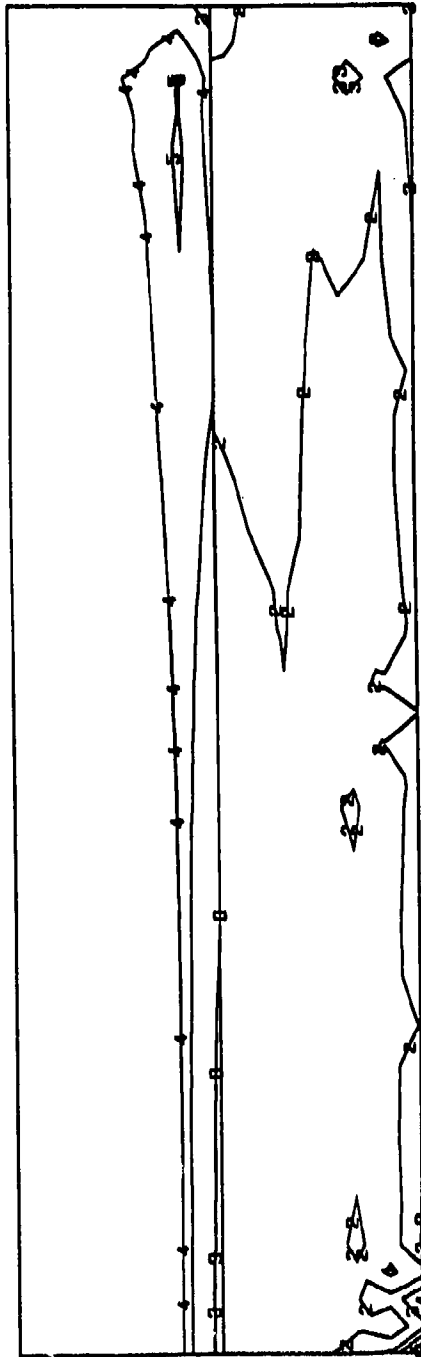
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.495E+01 H RTED AN THERMOCUT C

PRINTS
VALUE

1	-1.99E+01
2	+2.00E-06
3	+2.00E+01
4	+4.00E+01
5	+6.00E+01
6	+8.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 67 deg.F
time = 95 days



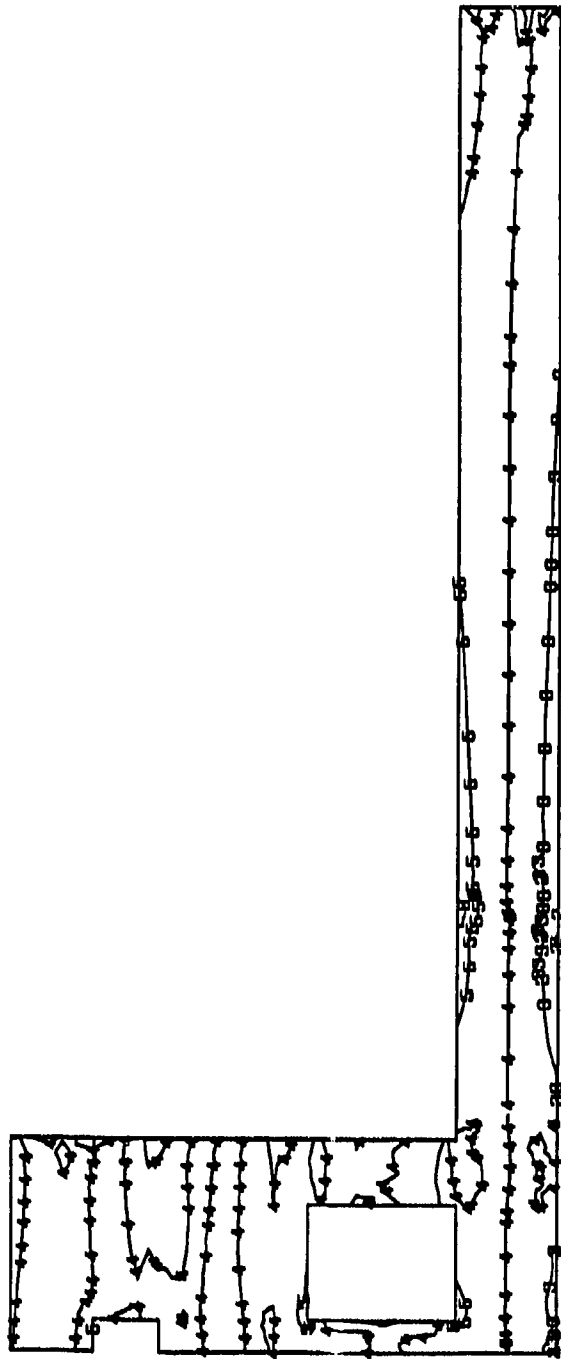
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.000E+00

S11
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.55E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 58 deg.F
time = 120 days



1

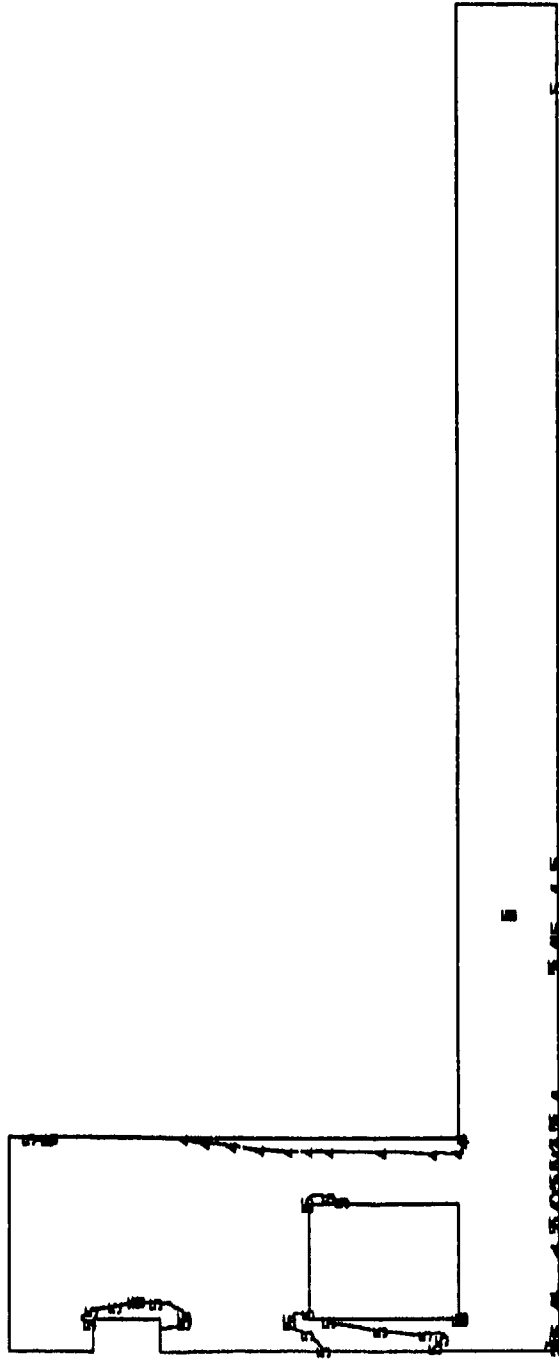
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP 43 MINUTES TOTAL APPROXIMATE TIME 43 HOURS 00 MIN 00 SEC

S22
VALUE

1	-5.00E+02
2	-4.40E+02
3	-2.30E+02
4	-1.19E+02
5	+4.00E+01
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 58 deg.F
time = 120 days

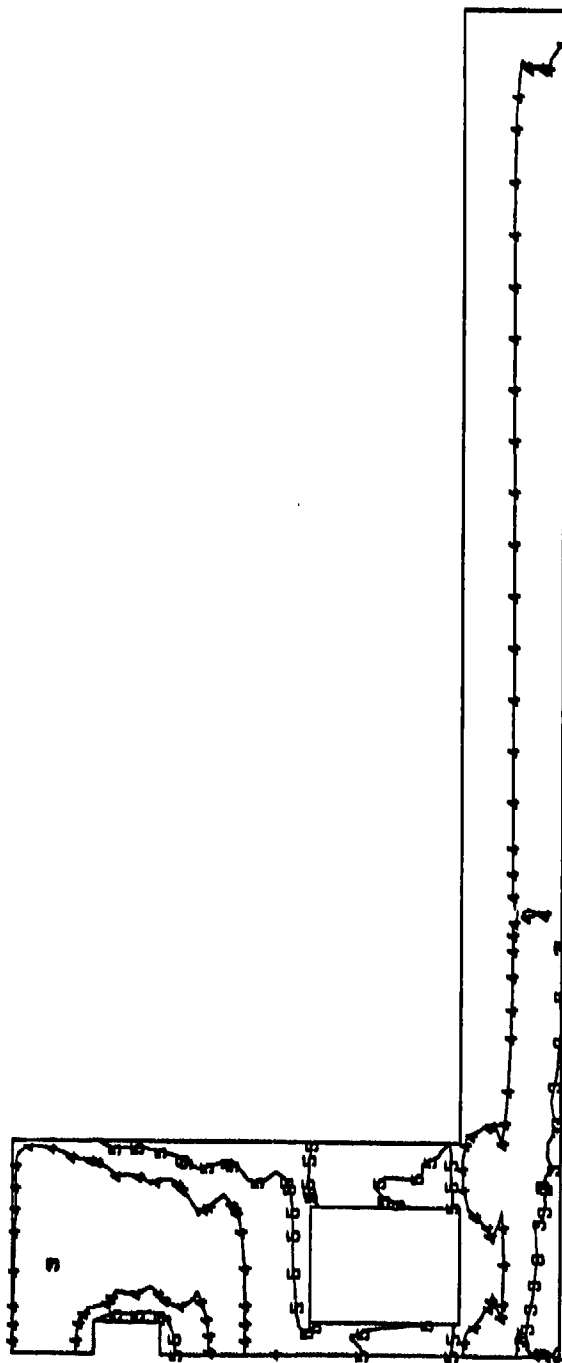


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME (MINUTES) IN THIS GRID 40 MINUTES

SS3
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E+04
5	+1.00E+02
6	+2.00E+02

3-D ANALYSIS, CENTER SECTION TRANSVERSE TO FLOW AXIS
ambient temp = 58 deg. F
time = 120 days

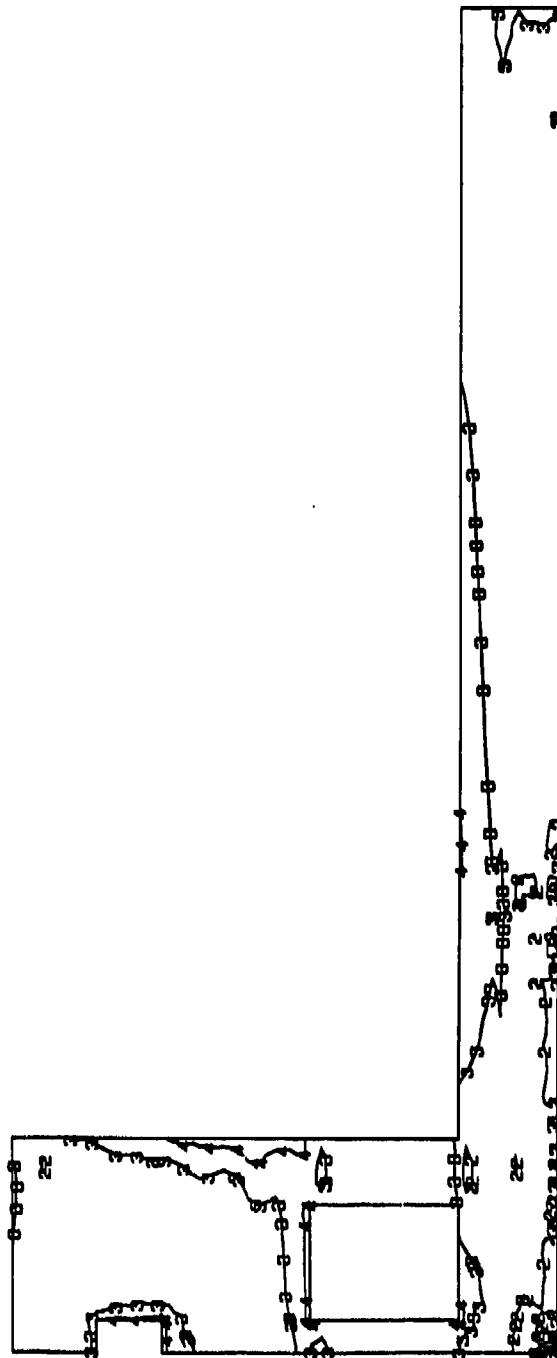


1
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL APPROXIMATE TIME 24 HOURS 0 MIN 00 SECONDS

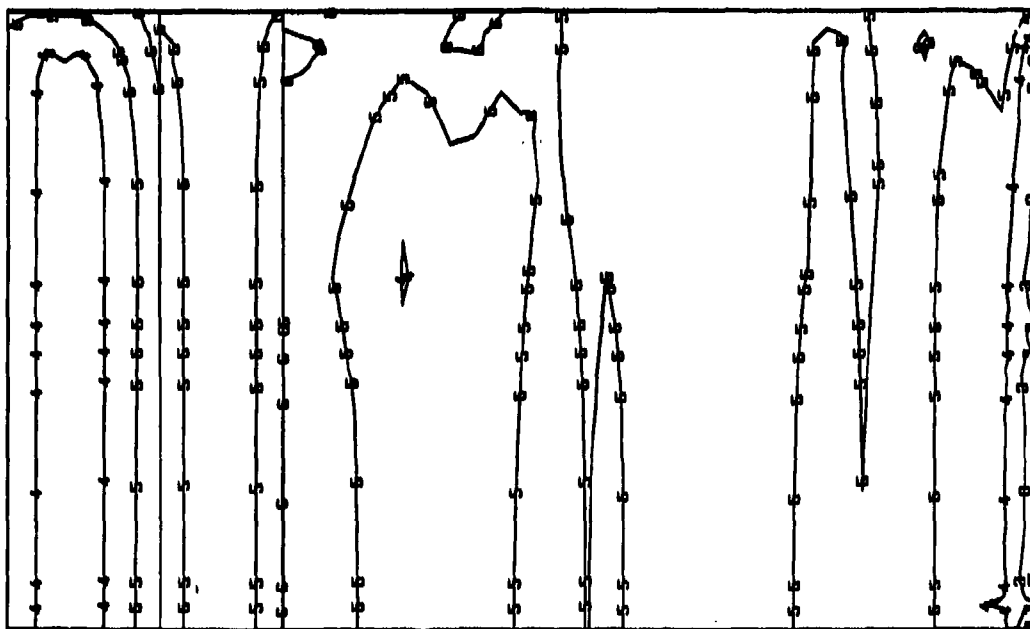
PRING
VALUE

1	-1.00E+02
2	-1.99E+01
3	+6.00E+01
4	+1.40E+02
5	+2.20E+02
6	+3.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 58 deg.F
time = 120 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119



3-D ANALYSIS, CENTER PLANE PARALLEL
TO FLOW AXIS
ambient temp = 58 deg. F
time = 120 days

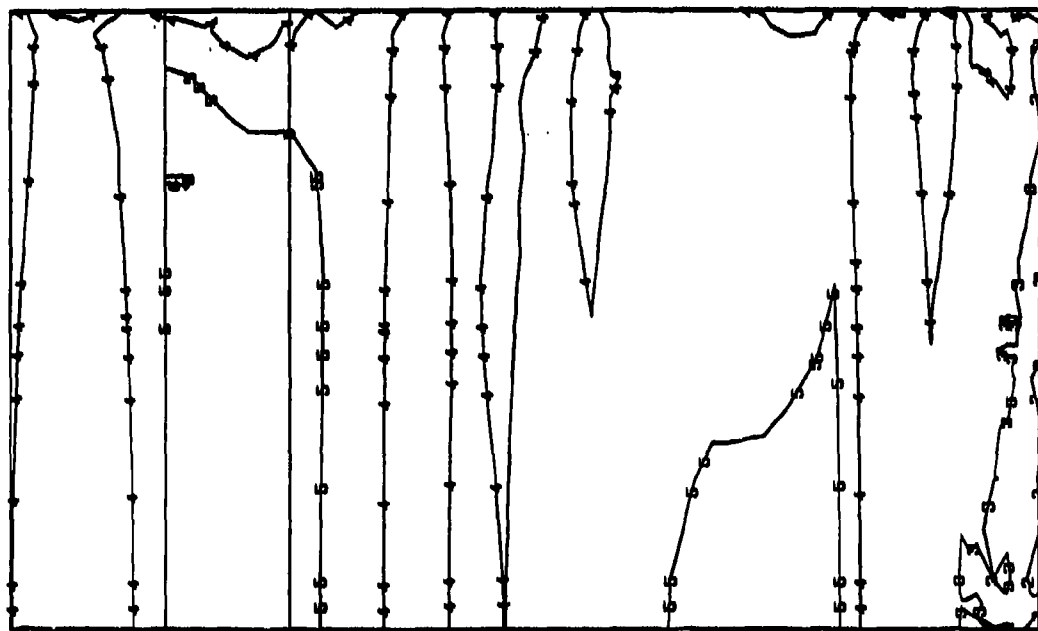
S11
VALUE
1 -3.00E+02
2 -2.20E+02
3 -1.40E+02
4 -5.90E+01
5 +2.00E+01
6 +1.00E+02

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.15E+02 STEP 55 INCREMENT 5

2	VALUE
1	-6.00E+02
2	-4.40E+02
3	-2.80E+02
4	-1.19E+02
5	+4.00E+01
6	+2.00E+02

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

3-D ANALYSIS, CENTER PLANE PARALLEL
TO FLOW AXIS
ambient temp = 58 deg.F
time = 120 days

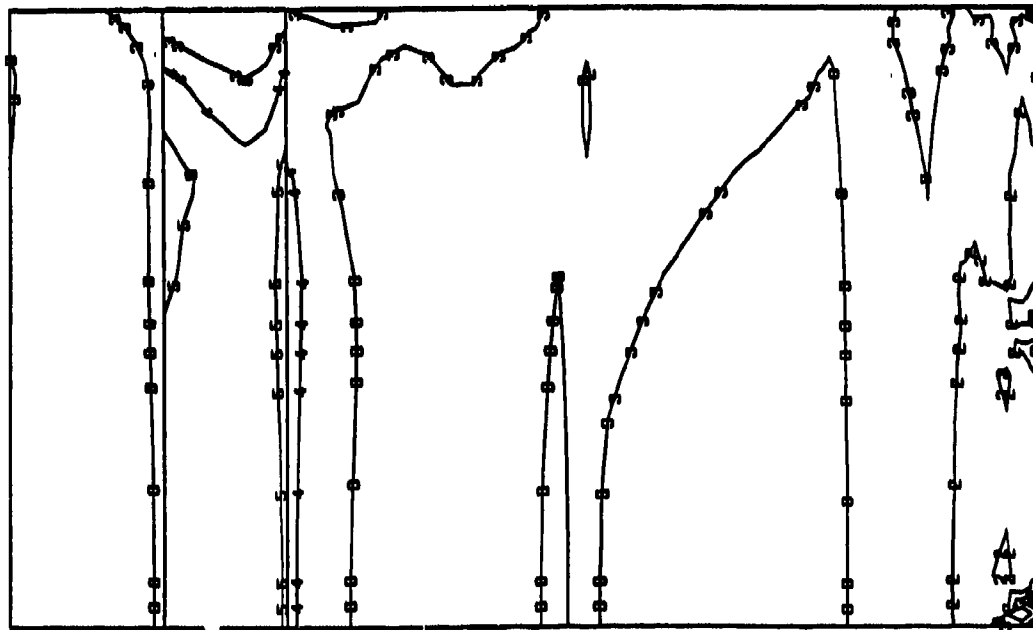


13
LINE
1 -3.00E+02
2 -2.00E+02
3 -9.99E+01
4 +1.00E+04
5 +1.00E+02
6 +2.00E+02

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +3.000E+08 TOTAL ACCUMULATED TIME +1.155E+02 B STEP 65 INCREMENT 5

PRINS
VALUE

1	-1.00E+02
2	-1.50E+01
3	+6.00E+01
4	+1.40E+02
5	+2.20E+02
6	+3.00E+02



3-D ANALYSIS, CENTER PLANE PARALLEL
TO FLOW AXIS
ambient temp = 58 deg. F
time = 120 days

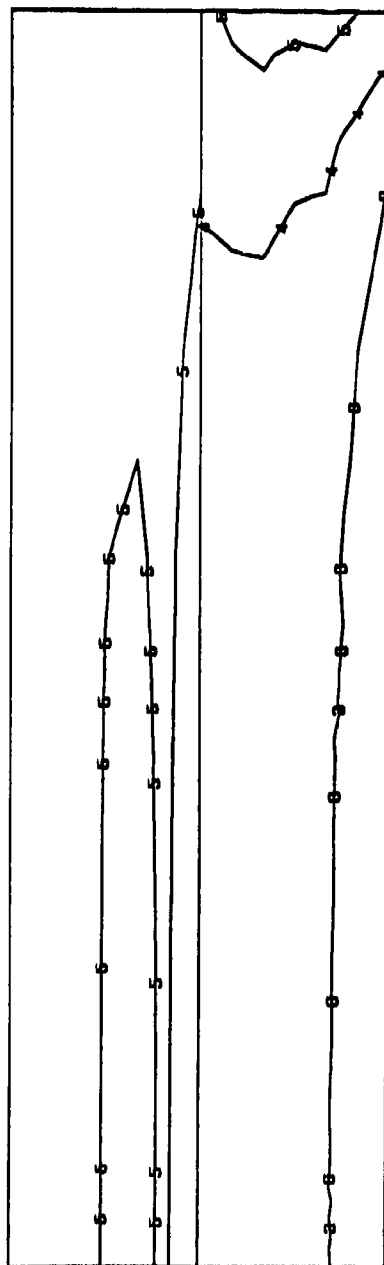
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.15E+02 STEP 55 INCREMENT 6

S11
VALUE

1 -2.00E+02
2 -1.40E+02
3 -8.00E+01
4 -1.95E+01
5 +4.02E+01
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 58 deg. F
time = 120 days



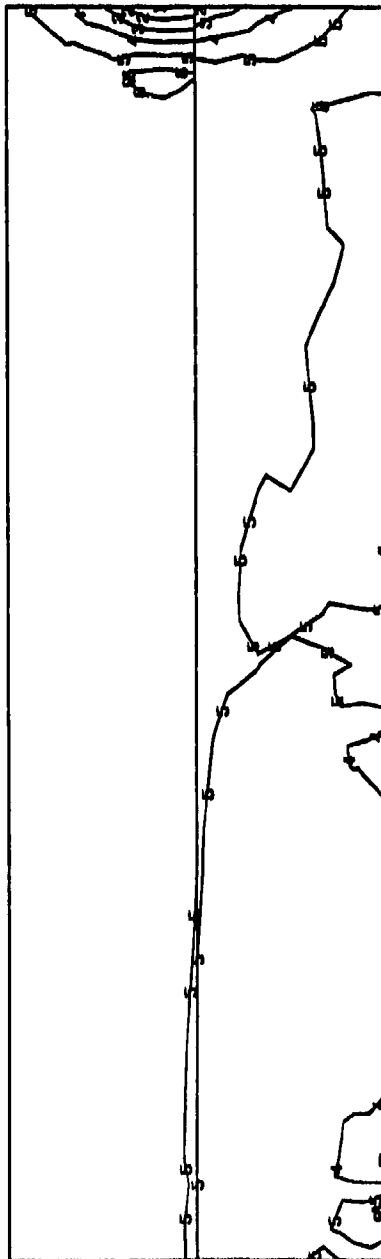
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 65 INCREMENT 6

VALUE

1 -8.00E+01
2 -6.20E+01
3 -4.40E+01
4 -2.60E+01
5 -7.95E+00
6 +1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 58 deg. F
time = 120 days

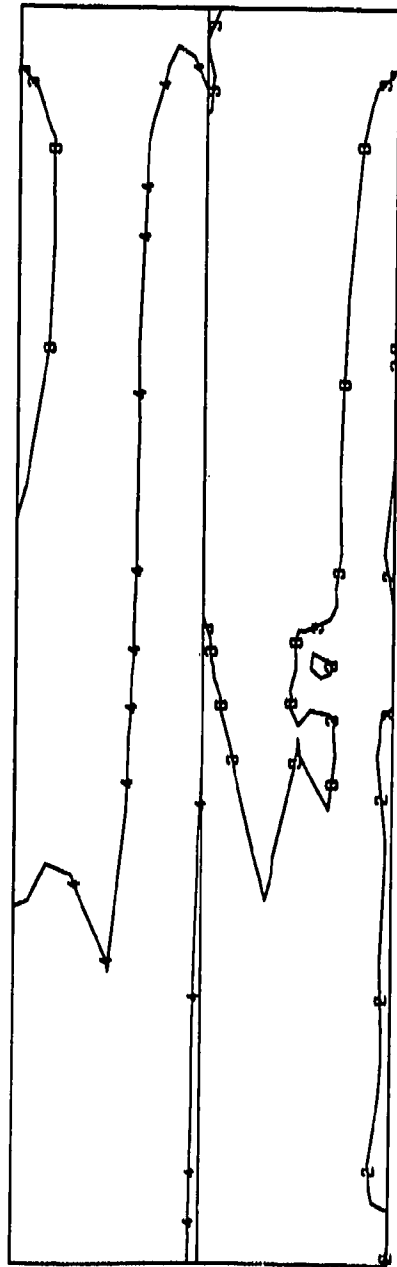


I100

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 65 INCREMENT 5

653
 VALUE
 1 -1.00E+02
 2 -6.00E+01
 3 -1.99E+01
 4 +2.00E+01
 5 +6.00E+01
 6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
 ambient temp = 58 deg.F
 time = 120 days

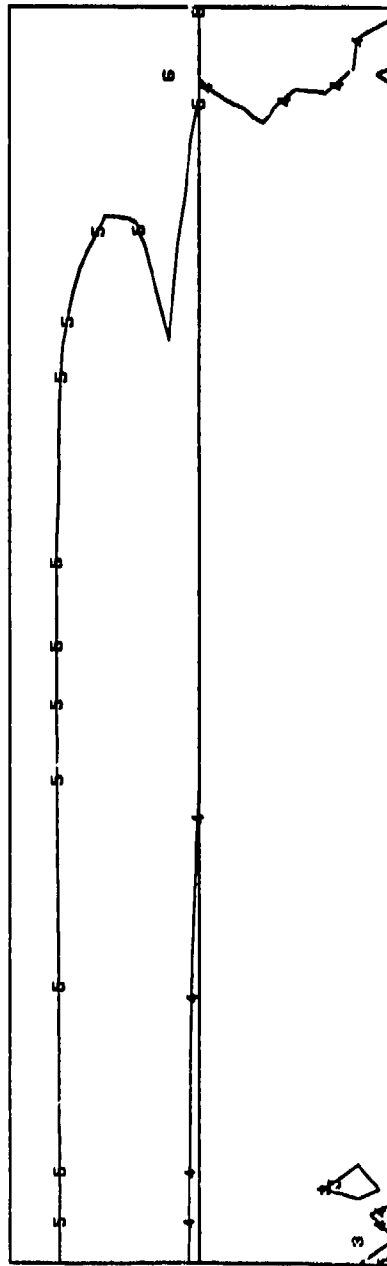


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.196E+02 STEP 66 INCREMENT 6

PRIN3
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.95E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 58 deg.F
time = 120 days

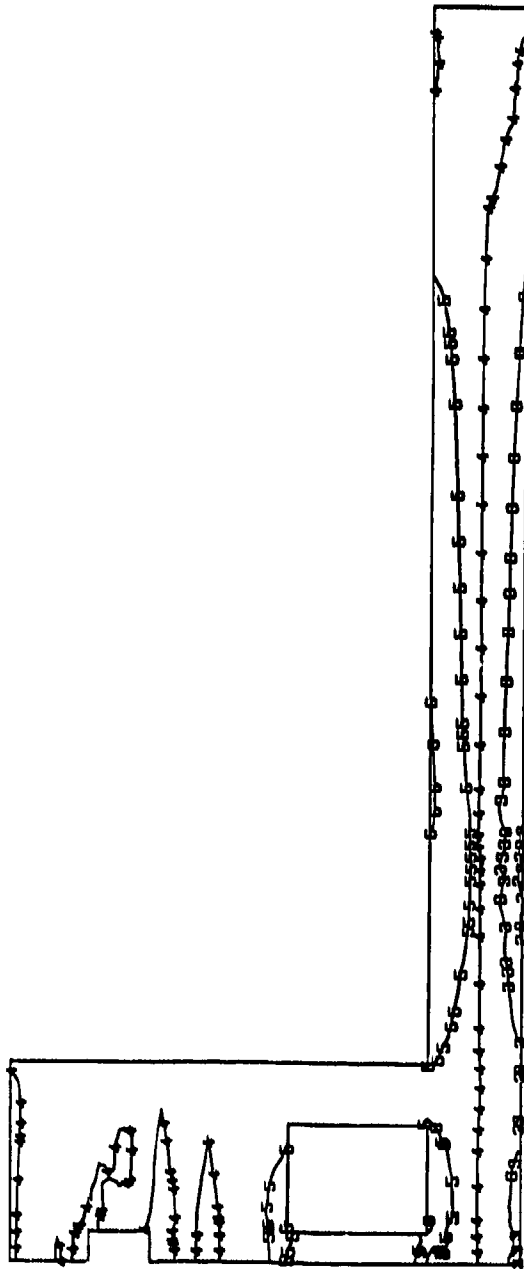


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 # STEP 55 INCREMENT 5

SL1
VALUE

1	-4.00E+02
2	-2.80E+02
3	-1.50E+02
4	-3.93E+01
5	+8.00E+01
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 36.5 deg. F
time = 183 days

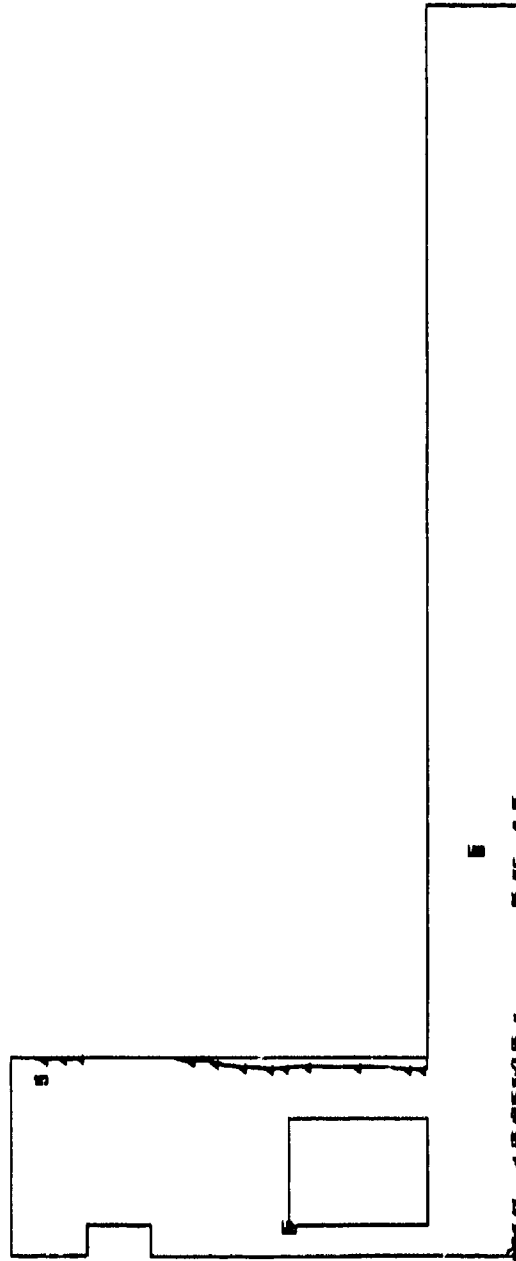


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 67 INCREMENT 2E

SZ2
VALUE

1	-6.00E+02
2	-4.40E+02
3	-2.80E+02
4	-1.15E+02
5	+4.00E+01
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 36.5 deg.F
time = 183 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

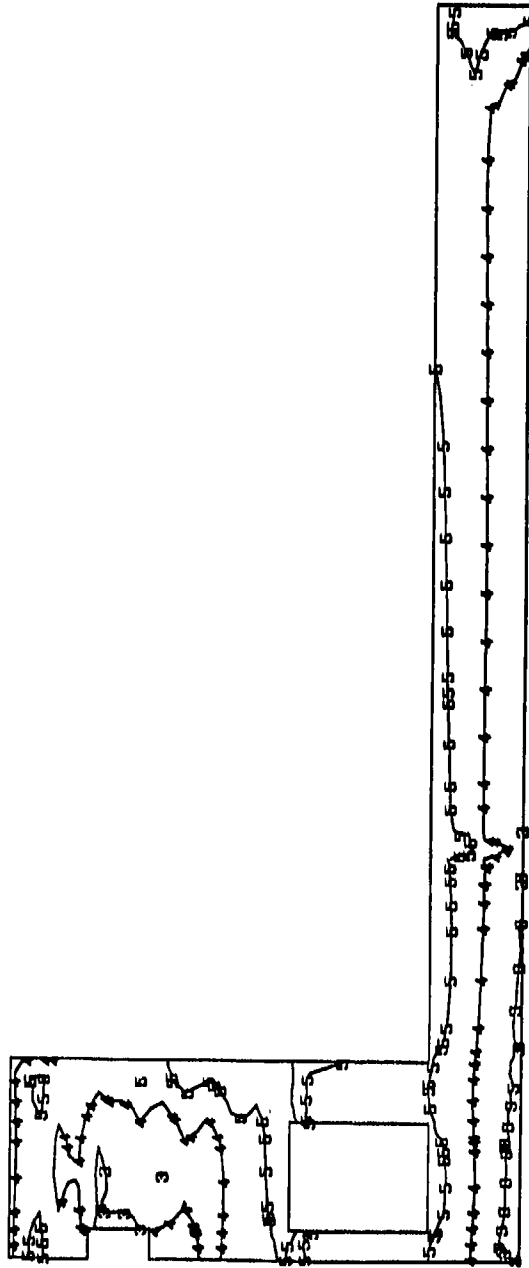
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 57 INCREMENT 25

533

VALUE

1 -4.00E+02
2 -2.80E+02
3 -1.60E+02
4 -3.99E+01
5 +8.00E+01
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 36.5 deg.F
time = 183 days



1

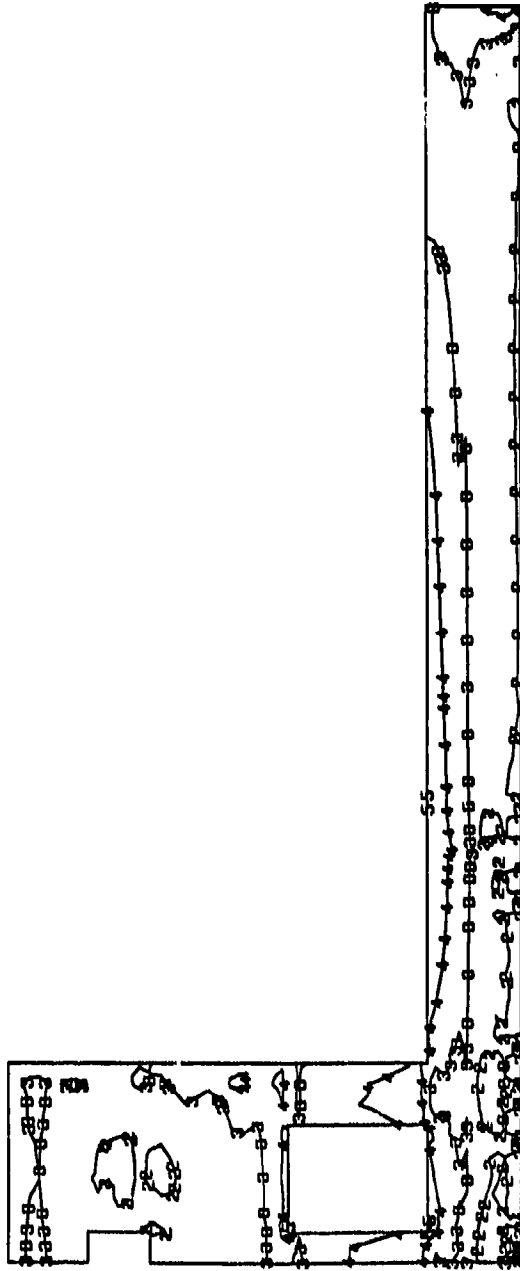
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.822E+02 STEP 57 INCREMENT 25

PRINS
VALUE

1	-1.00E+02
2	-1.58E+01
3	+6.00E+01
4	+1.43E+02
5	+2.20E+02
6	+3.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS
ambient temp = 36.5 deg.F
time = 183 days

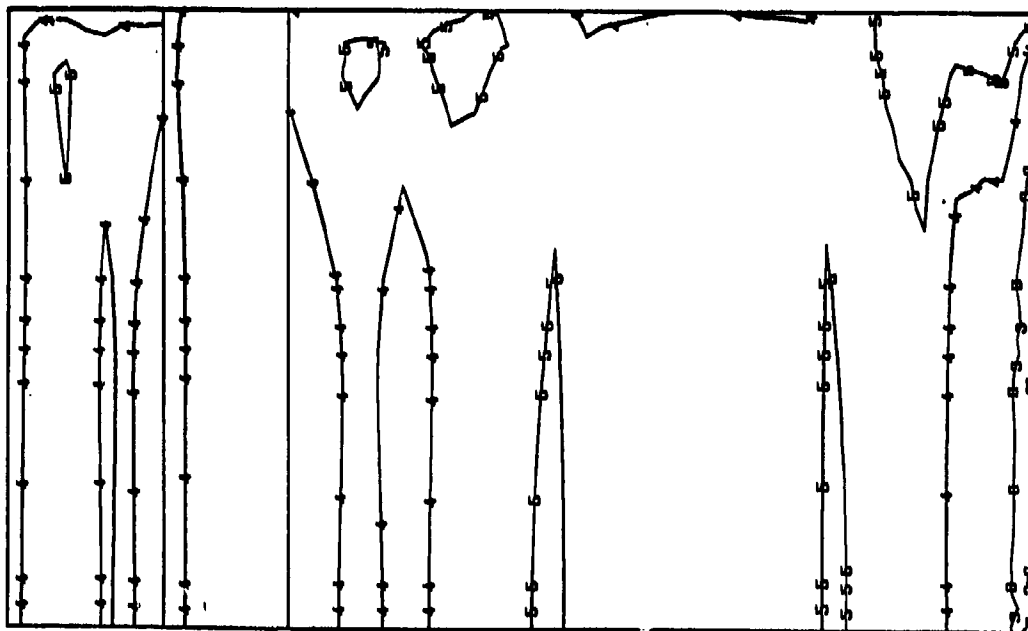


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.822E+02 STEP 57 INCREMENT 26

SL1
VALUE
1
2
3
4
5
6

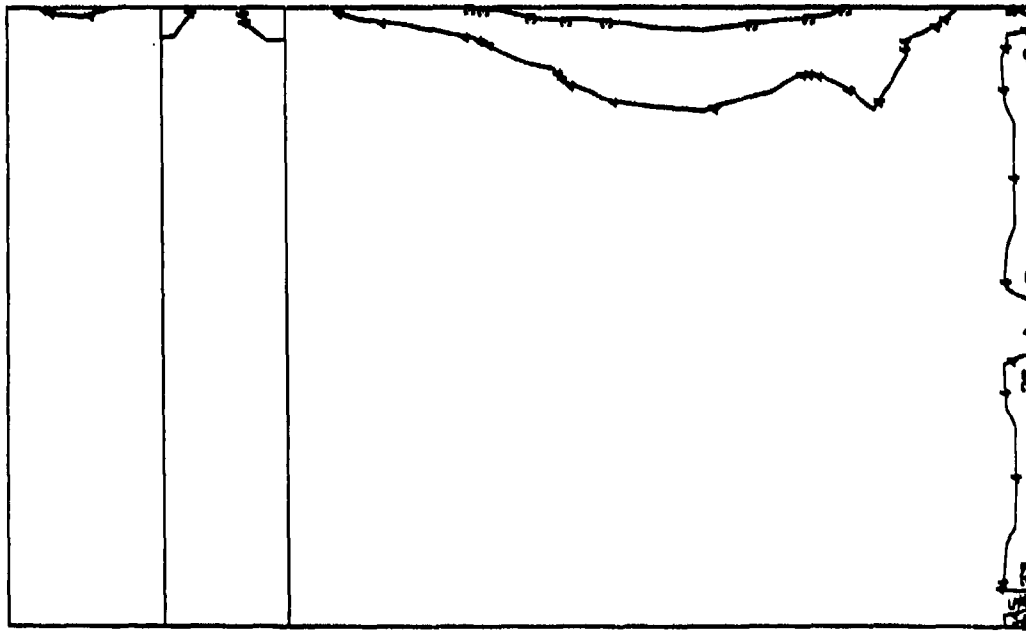
-4.00E+02
-2.80E+02
-1.60E+02
-3.99E+01
+8.00E+01
+2.00E+02



3-D ANALYSIS, CENTER PLANE PARALLEL
TO FLOW AXIS
ambient temp = 36.5 deg.F
time = 183 days

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +5.00E+01 TOTAL ACCUMULATED TIME +1.80E+02 STEP 67 INCREMENT 26

SC	VALUE
1	-6.00E+02
2	-4.40E+02
3	-2.80E+02
4	-1.19E+02
5	+4.00E+01
6	+2.00E+02

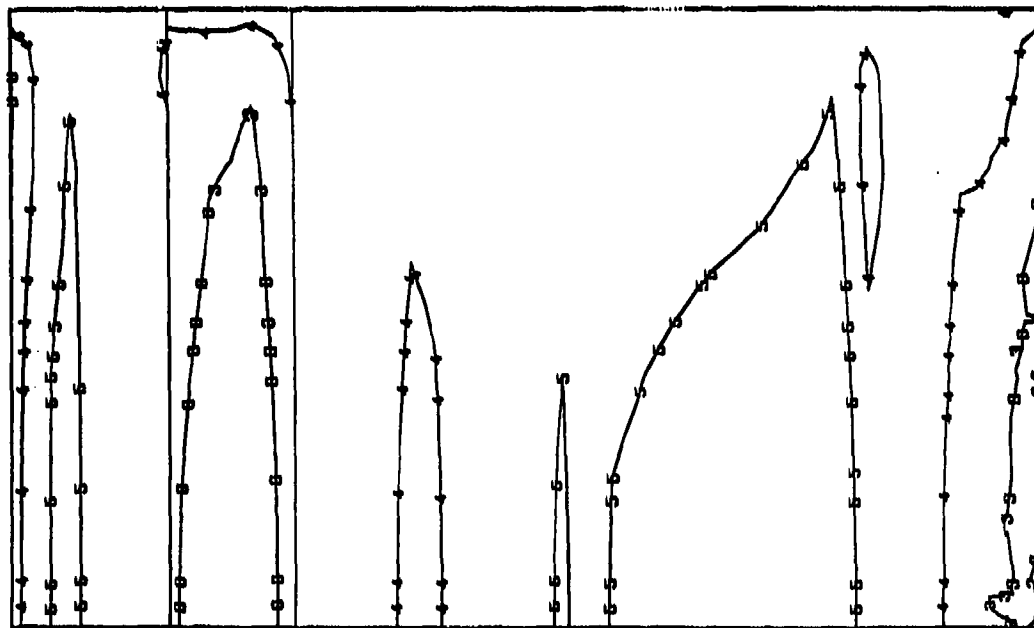


3-D ANALYSIS, CENTER PLANE PARALLEL
TO FLOW AXIS
ambient temp = 36.5 deg.F
time = 183 days

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.828E+02 STEP 67 INCREMENT 25

S33
VALUE

1	-4.00E+02
2	-2.80E+02
3	-1.60E+02
4	-3.99E+01
5	+8.00E+01
6	+2.00E+02

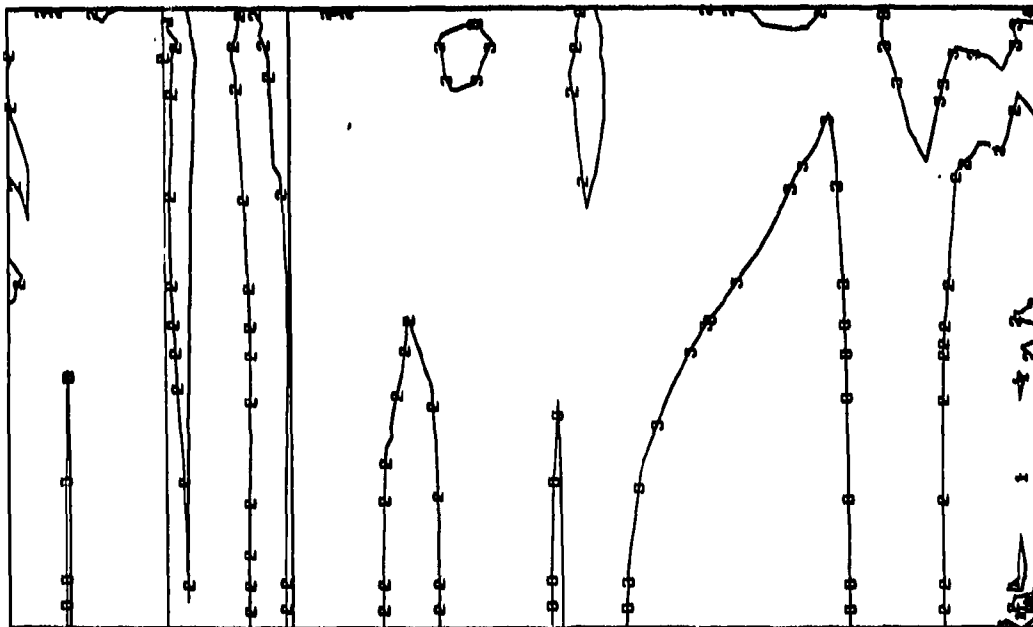


3-D ANALYSIS, CENTER PLANE PARALLEL
TO FLOW AXIS
ambient temp = 36.5 deg.F
time = 183 days

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 67 INCREMENT 25

PRING
VALUE

1	-9.99E+01
2	+1.00E+04
3	+1.00E+02
4	+2.00E+02
5	+3.00E+02
6	+4.00E+02



3-D ANALYSIS, CENTER PLANE PARALLEL
TO FLOW AXIS
ambient temp = 36.5 deg.F
time = 183 days

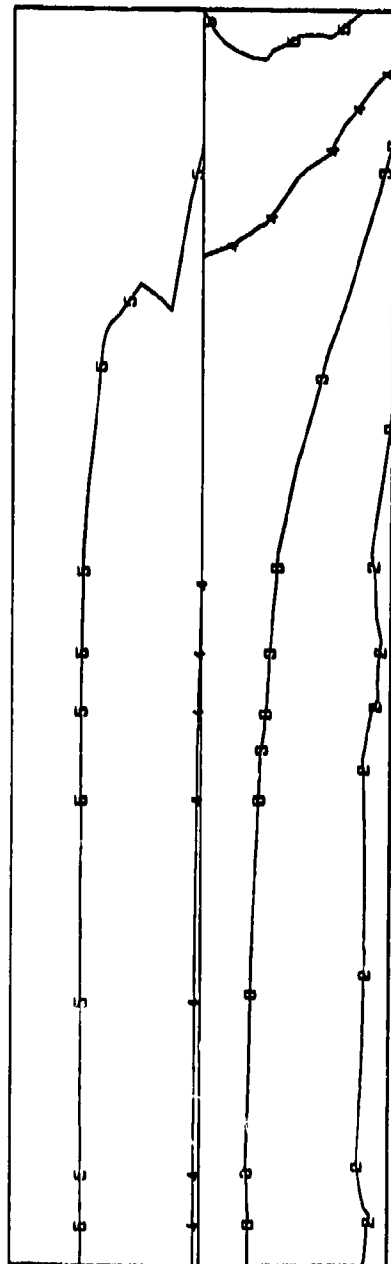
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 57 INCIDENT 25

S11
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E+01
5	+1.00E+02
6	+2.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 36.5 deg.F
time = 183 days

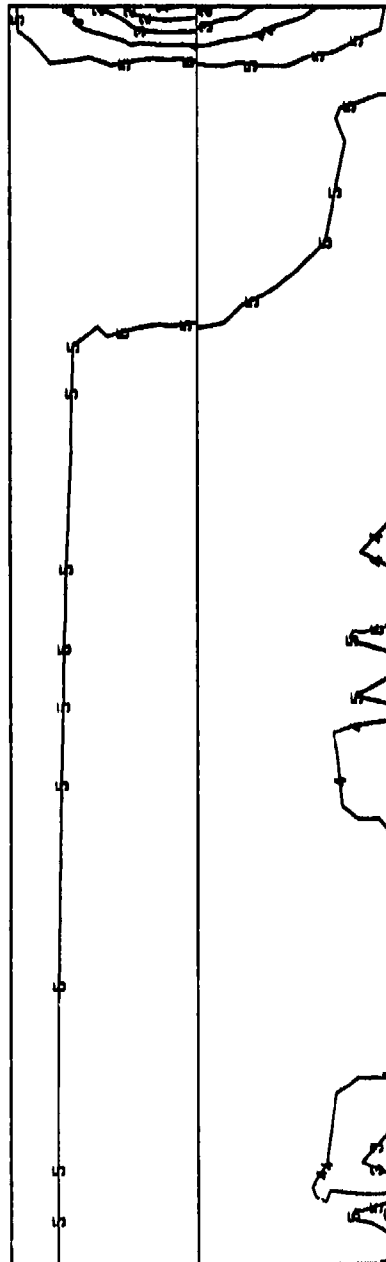


I111

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119
TIME COMPLETED IN THIS STEP +6.00E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 67 INCIDENT 26

1	-9.00E+01
2	-6.80E+01
3	-4.60E+01
4	-2.40E+01
5	-1.39E+00
6	+2.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 36.5 deg.F
time = 183 days



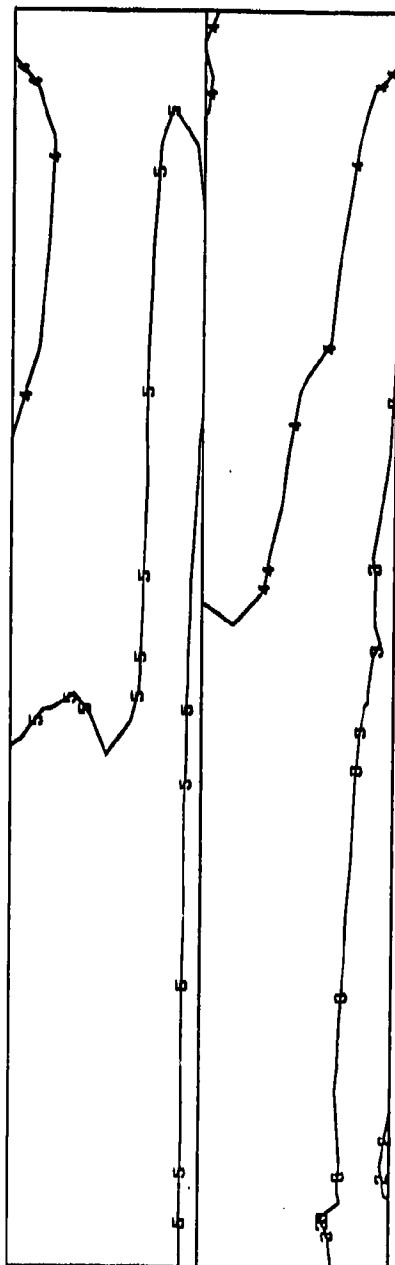
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP	+5.00E+01	TOTAL ACCUMULATED TIME	+1.82E+02	STEP 57 INCREMENT 25

VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.99E+01
5	+4.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 36.5 deg.F
time = 183 days



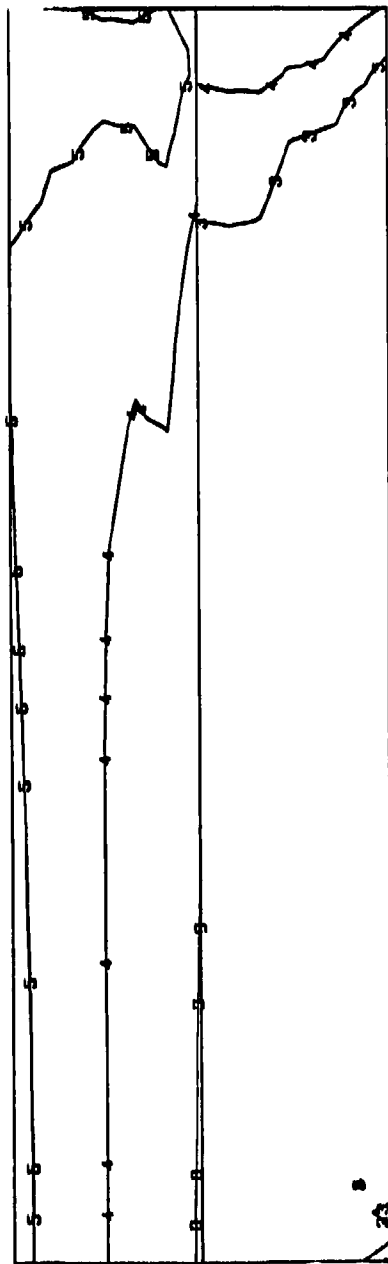
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP	+5.00E+01	TOTAL ACCUMULATED TIME	+1.82E+02	■	STEP 57	INCREMENT 26

[illegible]

1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4
ambient temp = 36.5 deg.F
time = 183 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP	+6.00E+01	TOTAL ACCUMULATED TIME	+1.82E+02	STEP 57 INCREMENT 25

Waterways Experiment Station Cataloging-In-Publication Data

Garner, Sharon

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Corps of Engineers. Louisville District. III. U.S. Army Engineer Water-
ways Experiment Station. IV. Series: Technical report (U.S. Army Engi-
neer Waterways Experiment Station) ; SL-92-28.
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