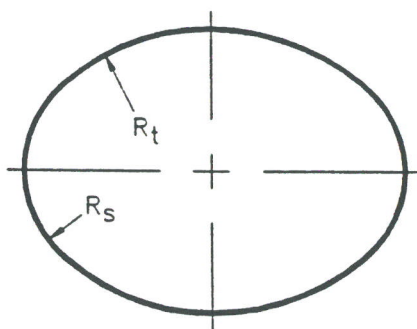


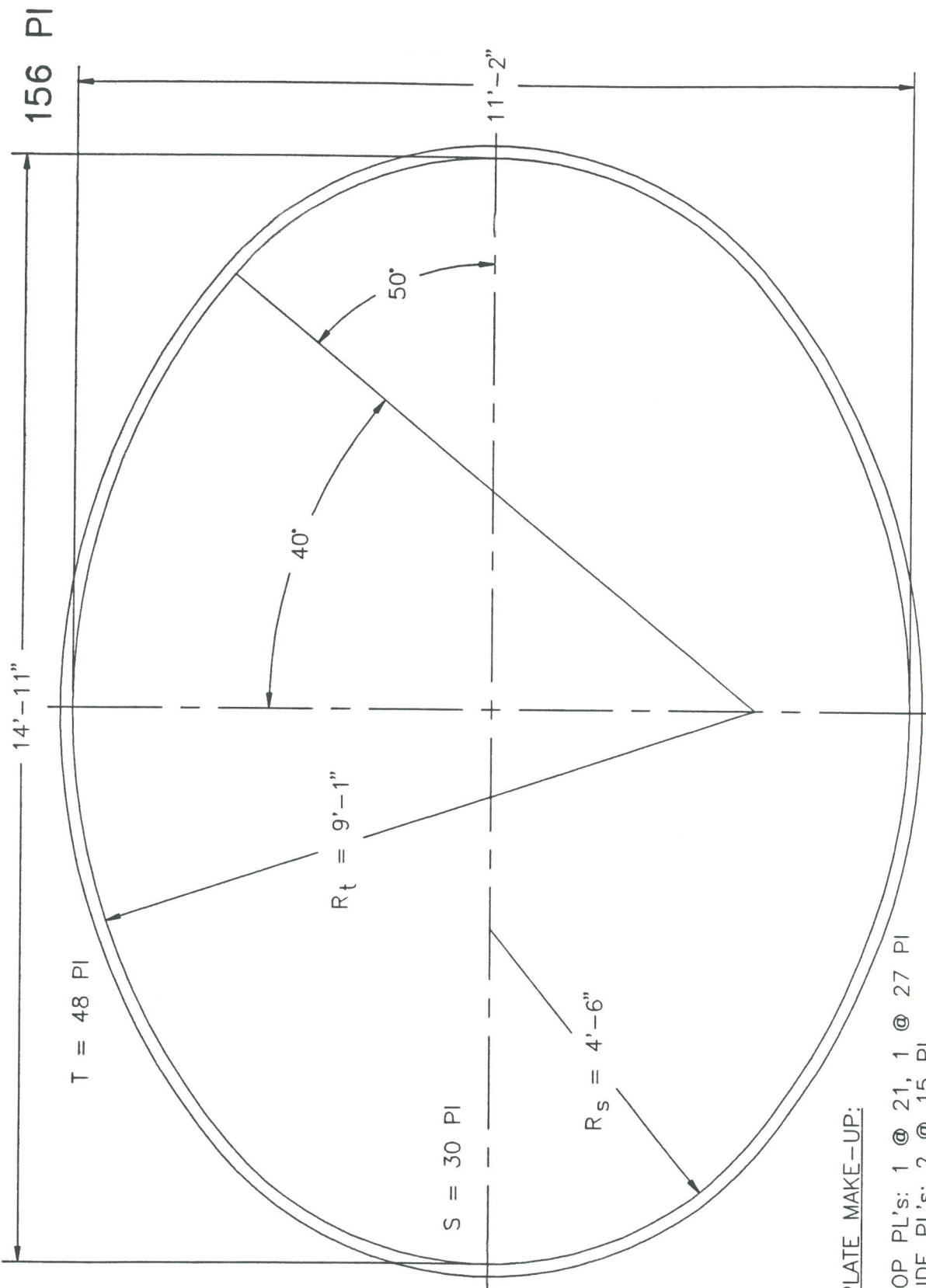
HORIZONTAL ELLIPSE SHAPES

Structure Number ⁽²⁾	Span, Ft.-In.	Rise, Ft.-In.	Area, Ft. ²	R _t , Inches	R _s , Inches	Total Pi
24E15	7-4	5-6	31.6	54	27	78
27E15	8-1	5-9	36.4	61	27	84
30E15	8-10	6-0	41.4	68	27	90
30E18	9-2	6-9	48.2	68	32	96
33E15	9-7	6-4	46.7	75	27	96
33E18	9-11	7-0	54.0	75	32	102
36E15	10-4	6-7	52.2	82	27	102
36E18	10-8	7-3	60.1	82	32	108
36E21	11-0	8-0	68.2	82	38	114
39E15	11-1	6-10	58.1	88	27	108
39E18	11-4	7-6	66.4	88	32	114
39E21	11-8	8-3	75.1	88	38	120
39E24	12-0	8-11	84.1	88	43	126
42E15	11-9	7-1	64.2	95	27	114
42E18	12-1	7-10	73.0	95	32	120
42E21	12-5	8-6	82.2	95	38	126
42E24	12-9	9-2	91.7	95	43	132
45E15	12-6	7-4	70.5	102	27	120
45E18	12-10	8-1	79.9	102	32	126
45E21	13-2	8-9	89.6	102	38	132
45E24	13-6	9-6	99.6	102	43	138
48E18	13-7	8-4	87.1	109	32	132
48E21	13-11	9-0	97.3	109	38	138
48E24	14-3	9-9	107.8	109	43	144
48E27	14-7	10-5	118.7	109	49	150
48E30	14-11	11-2	129.9	109	54	156

⁽¹⁾ Dimensions are to inside crests of corrugations and are subject to manufacturing tolerances.



Horizontal Ellipse



SCALE: $1/2" = 1'-0"$

AREA = 129.9 SQ. FT.

PLATE MAKE-UP:

TOP PL's: 1 @ 21, 1 @ 27 PI

SIDE PL's: 2 @ 15 PI

TOTAL PL's: 4 @ 15, 2 @ 21, 2 @ 27 PI

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

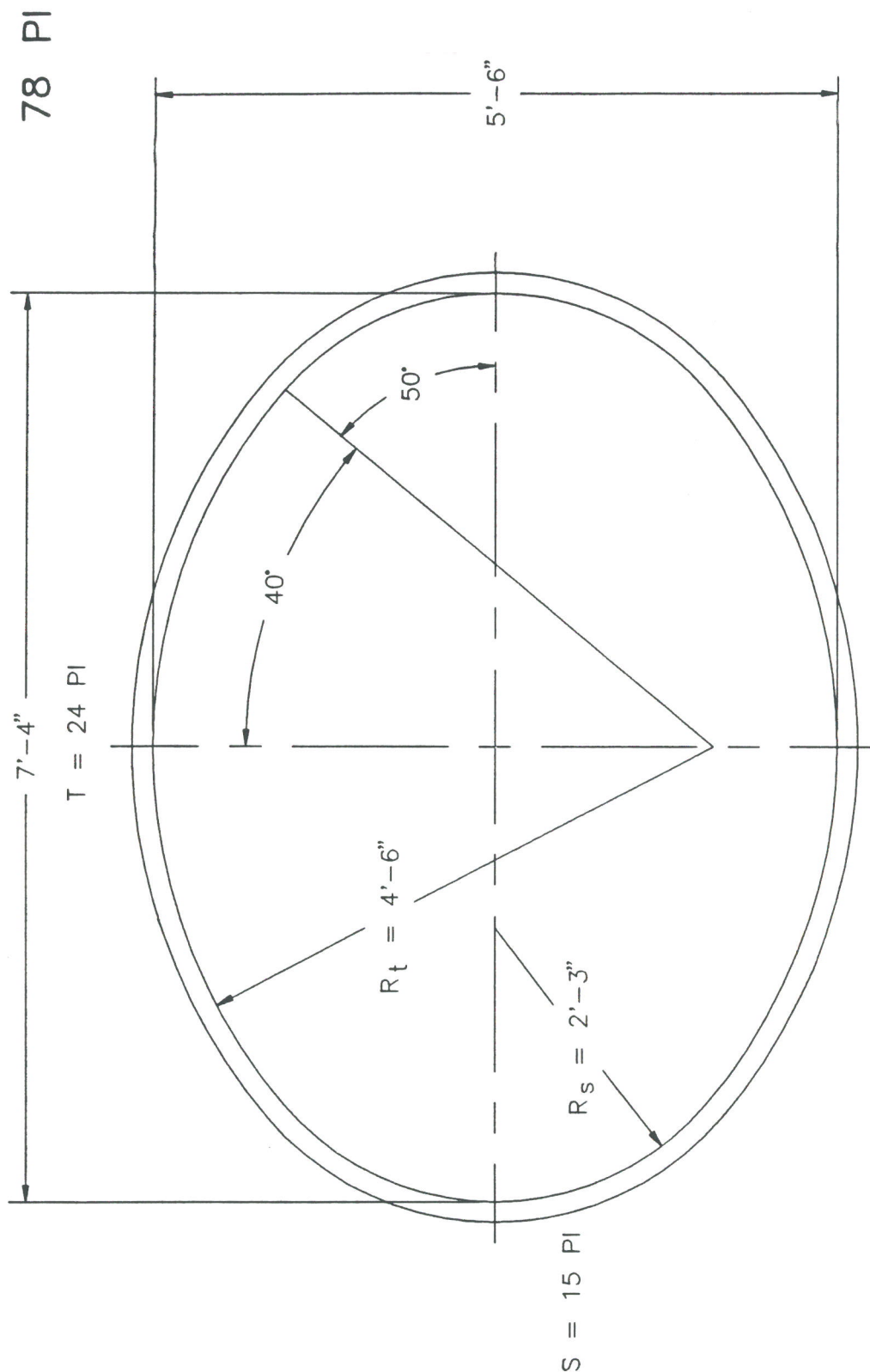


PLATE MAKE-UP:

TOP PL's: 1 @ 24 PI

SIDE PL's: 1 @ 15 PI

TOTAL PL's: 2 @ 15, 2 @ 24 PI

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

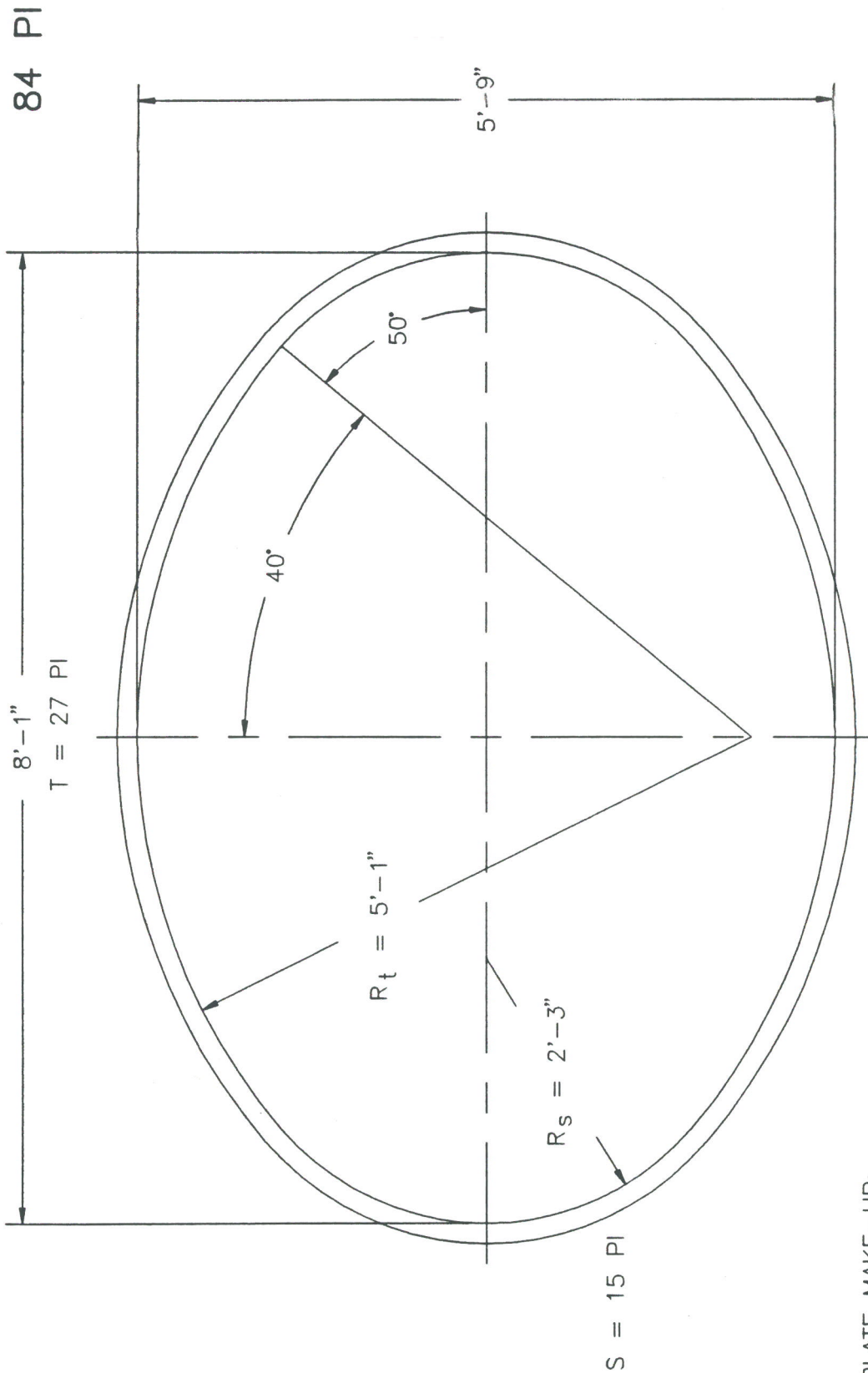


PLATE MAKE-UP:

TOP PL's: 1 @ 27 PI

SIDE PL's: 1 @ 15 PI

TOTAL PL's: 2 @ 15, 2 @ 27 PI

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

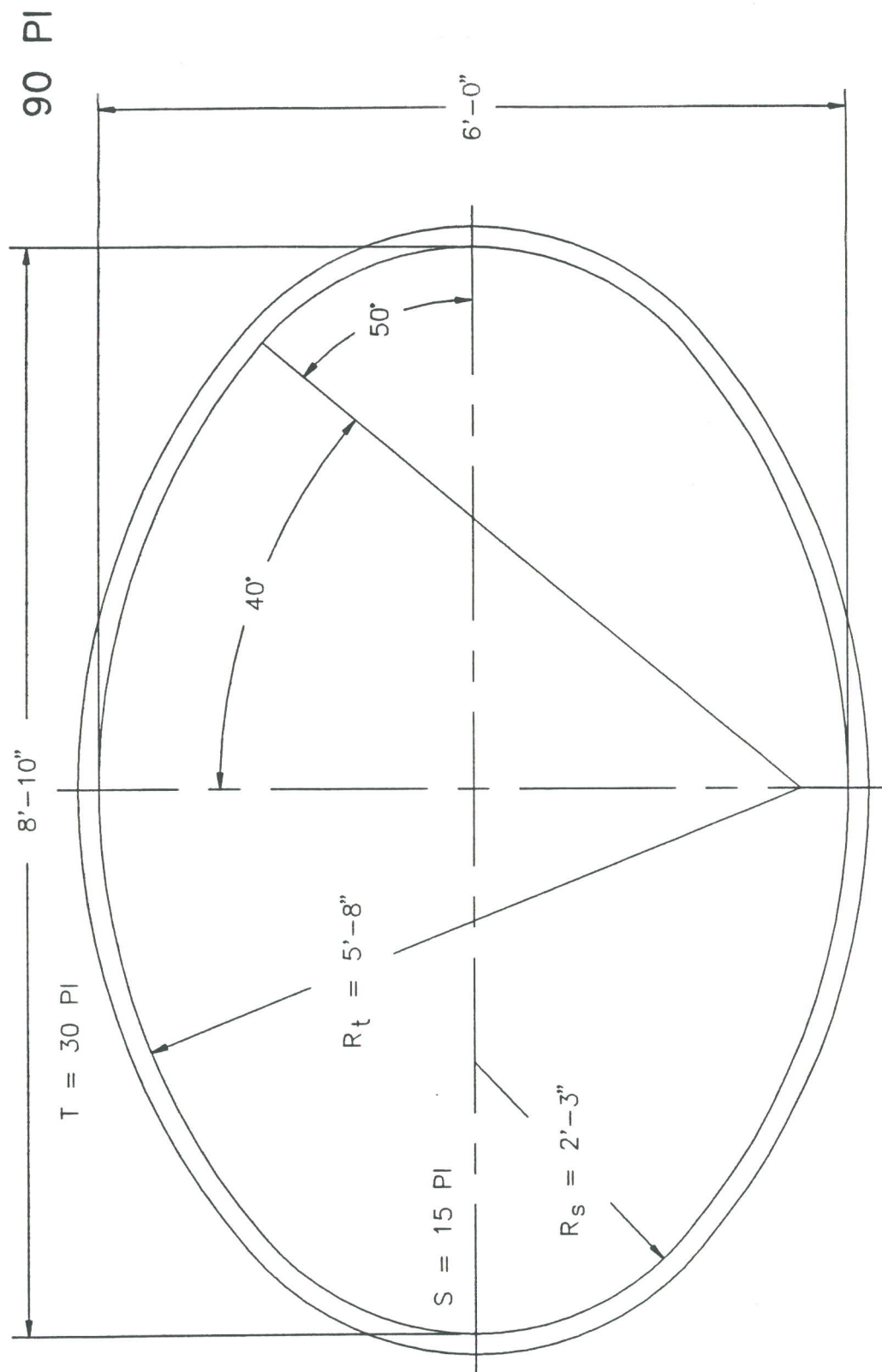


PLATE MAKE-UP:

TOP PL's: 1 @ 9, 1 @ 21 PI

SIDE PL's: 1 @ 15 PI

TOTAL PL's: 2 @ 9, 2 @ 15, 2 @ 21 PI

SCALE: $3/4" = 1'-0"$

AREA = 41.4 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

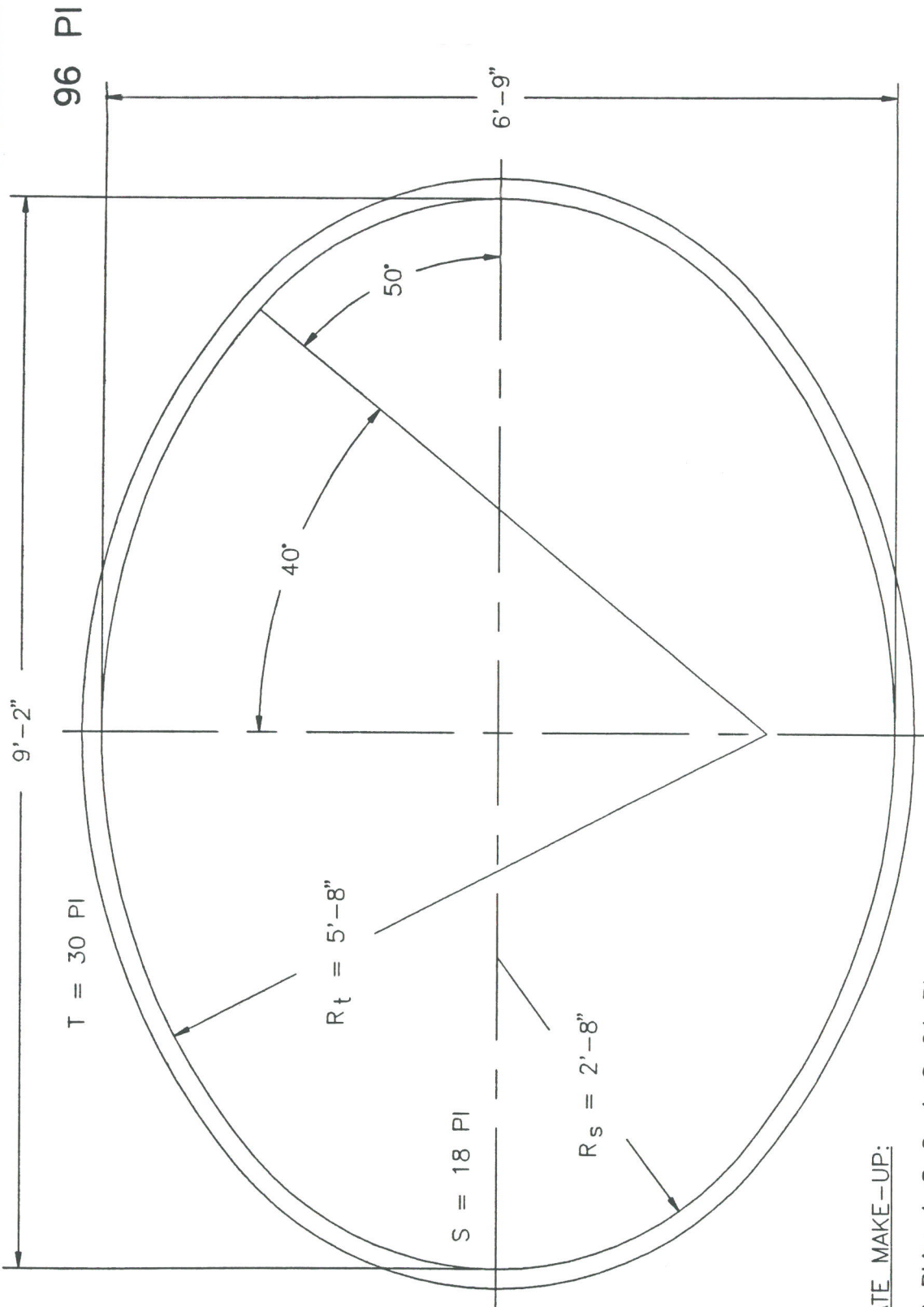


PLATE MAKE-UP:

TOP PL's: 1 @ 9, 1 @ 21 PI
SIDE PL's: 1 @ 18 PI

TOTAL PL's: 2 @ 9, 2 @ 18, 2 @ 21 PI

SCALE: $3/4" = 1'-0"$

AREA = 48.2 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

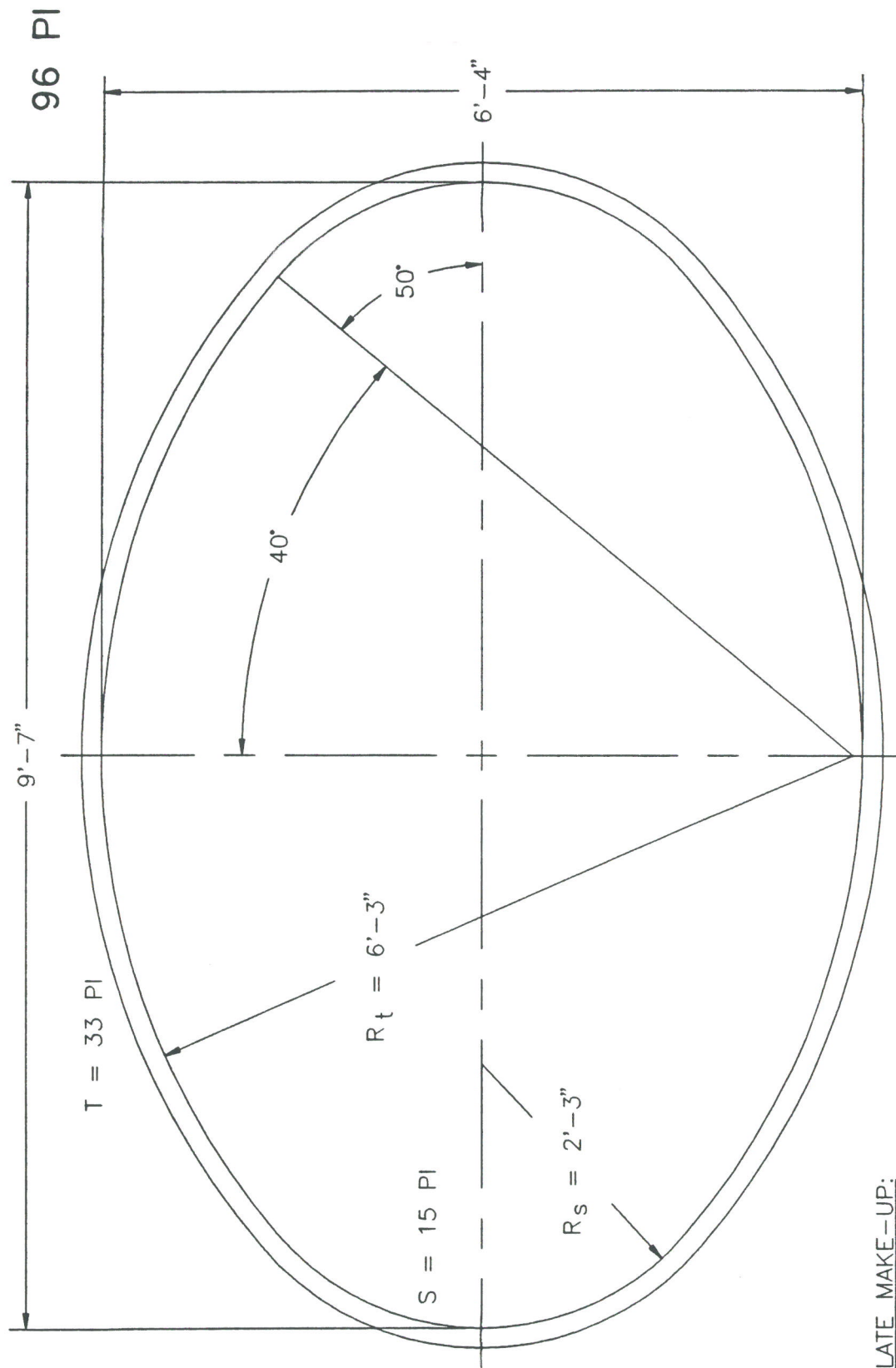


PLATE MAKE-UP:

TOP PL's: 1 @ 15, 1 @ 18 PI

SIDE PL's: 1 @ 15 PI

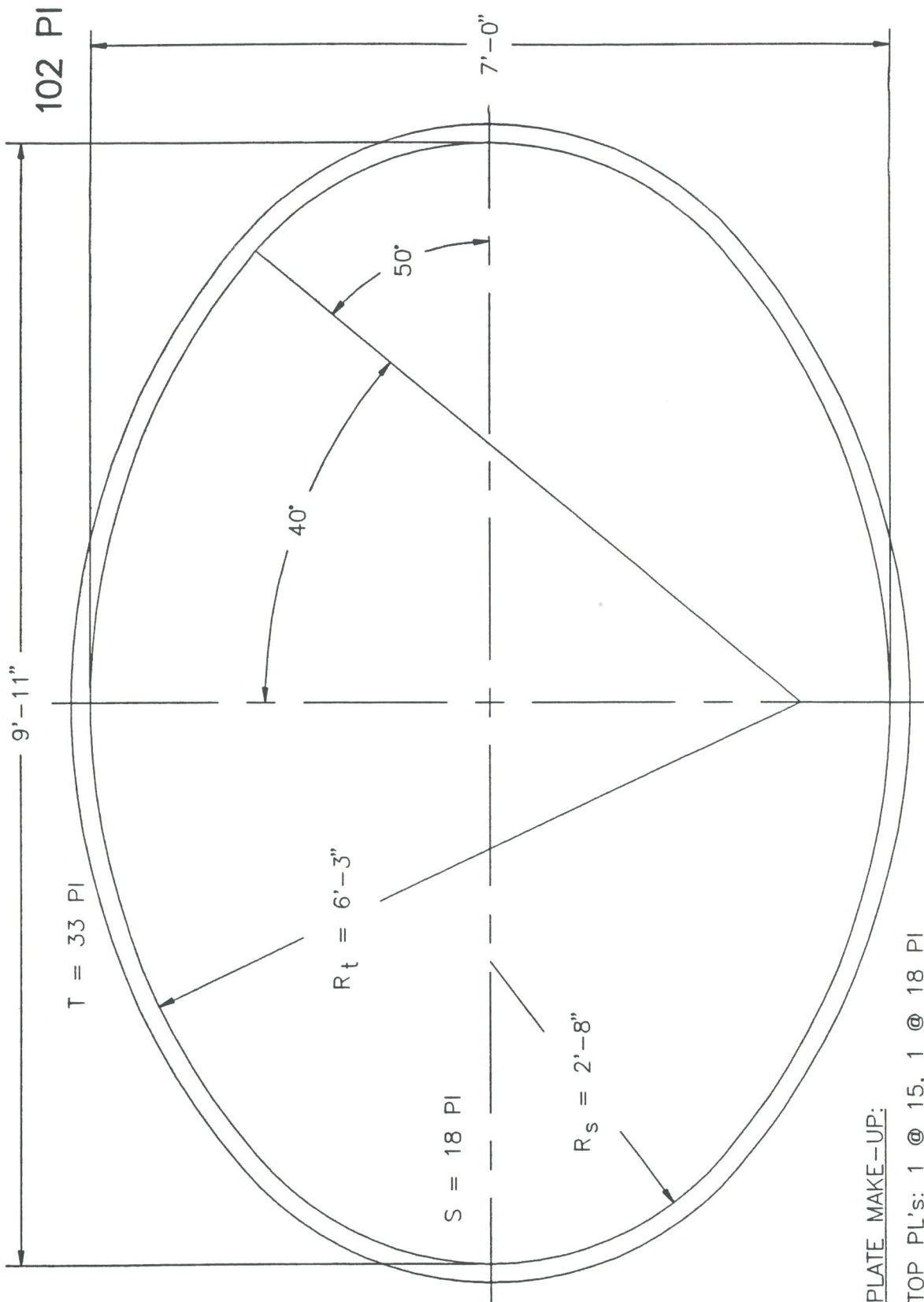
TOTAL PL's: 4 @ 15, 2 @ 18 PI

SCALE: $3/4" = 1'-0"$

AREA = 46.7 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.



SCALE: $\frac{3}{4}" = 1'-0"$
 AREA = 54.0 SQ. FT.

PLATE MAKE-UP:

TOP PL's: 1 @ 15, 1 @ 18 PI

SIDE PL's: 1 @ 18 PI

TOTAL PL's: 2 @ 15, 4 @ 18 PI

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

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MULTI-PLATE
 HORIZONTAL ELLIPSE
 9'-11" x 7'-0" #33E18

Drawing
 Date:

T.R.T.
 9-7-94

Revision
 Date:

Drawing
 Number:

1008748A

102 PI

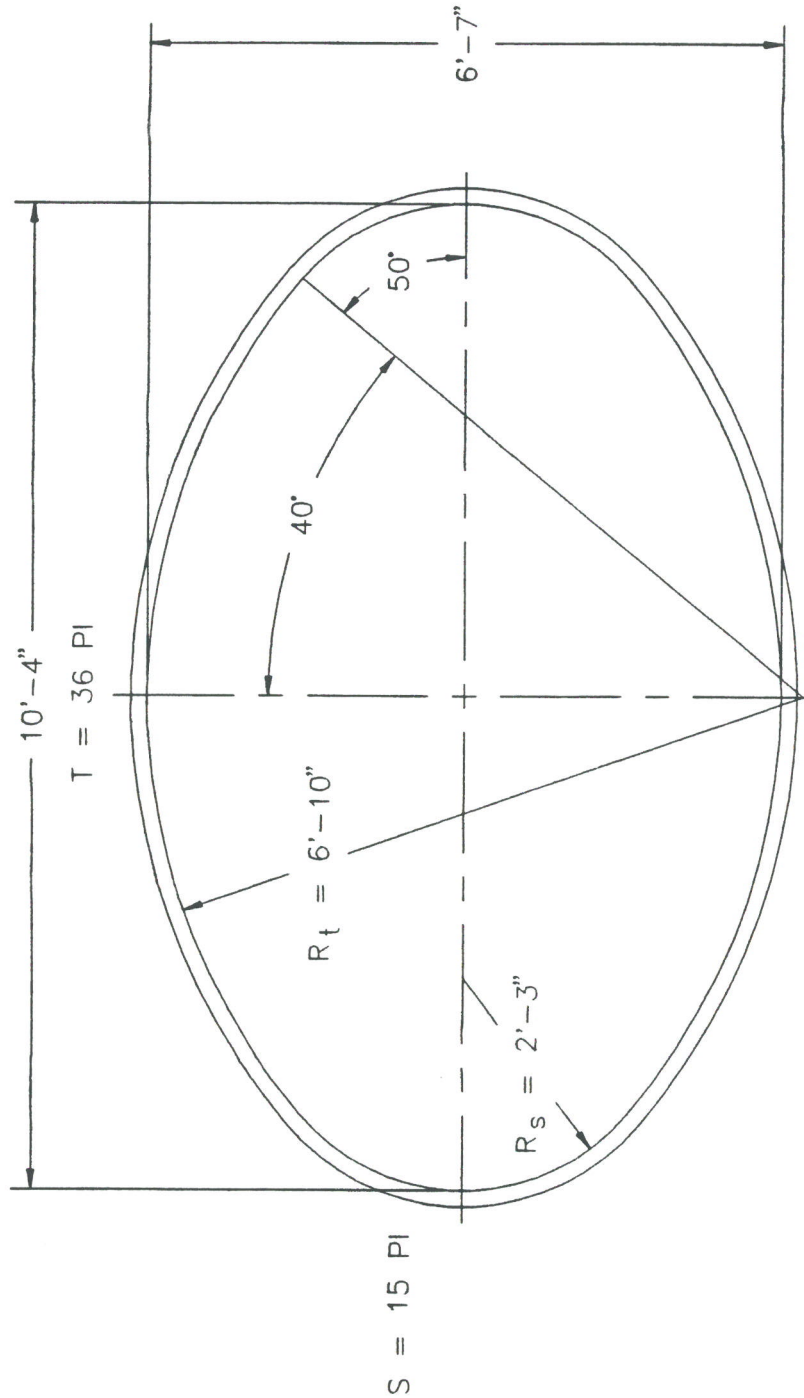


PLATE MAKE-UP:

TOP PL's: 1 @ 15, 1 @ 21 PI

SIDE PL's: 1 @ 15 PI

TOTAL PL's: 4 @ 15, 2 @ 21 PI

SCALE: 1/2" = 1'-0"

AREA = 52.2 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

108 PI

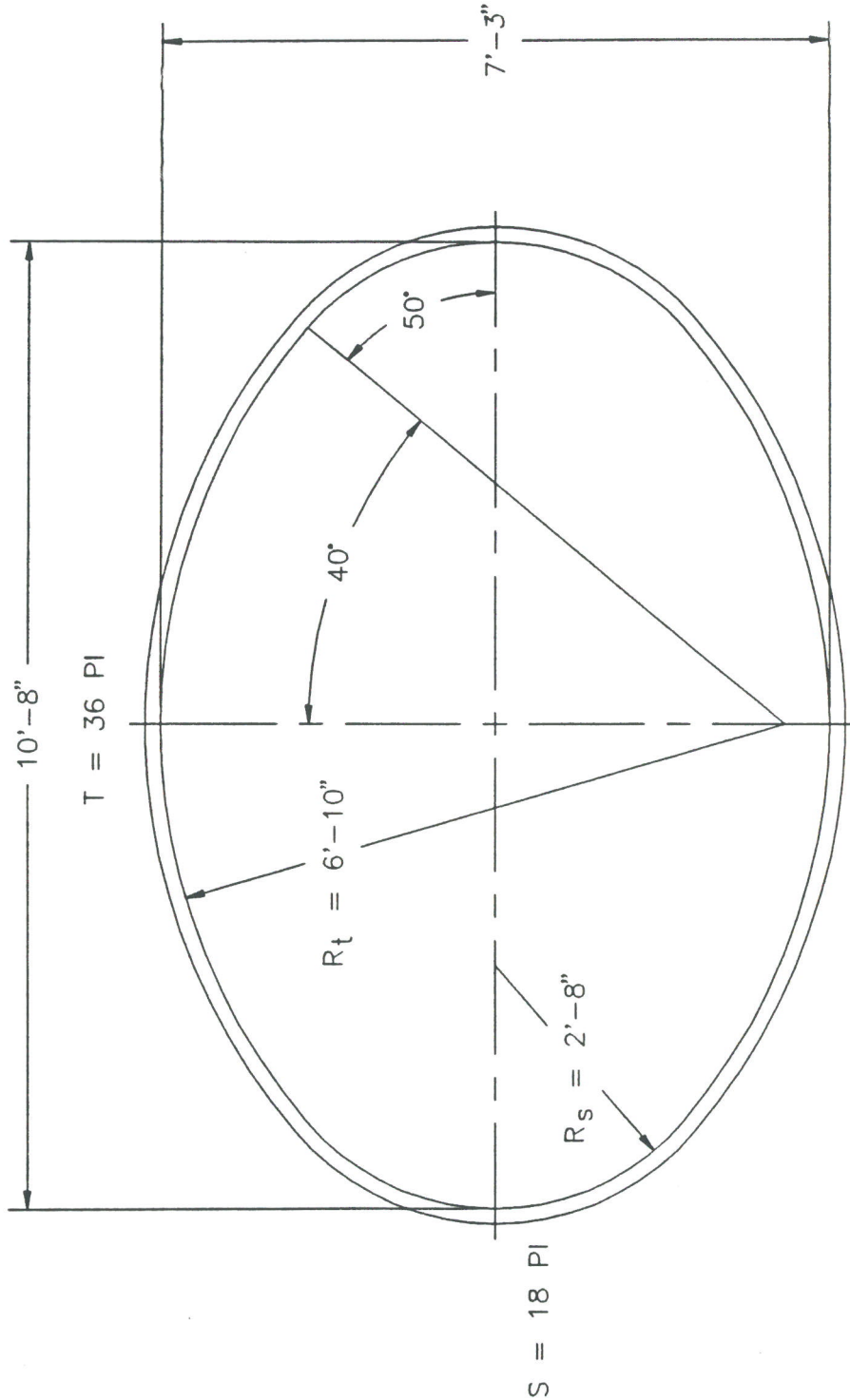


PLATE MAKE-UP:

TOP PL's: 1 @ 15, 1 @ 21 PI
SIDE PL's: 1 @ 18 PI

TOTAL PL's: 2 @ 15, 2 @ 18, 2 @ 21 PI

SCALE: 1/2" = 1'-0"

AREA = 60.1 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

114 PI

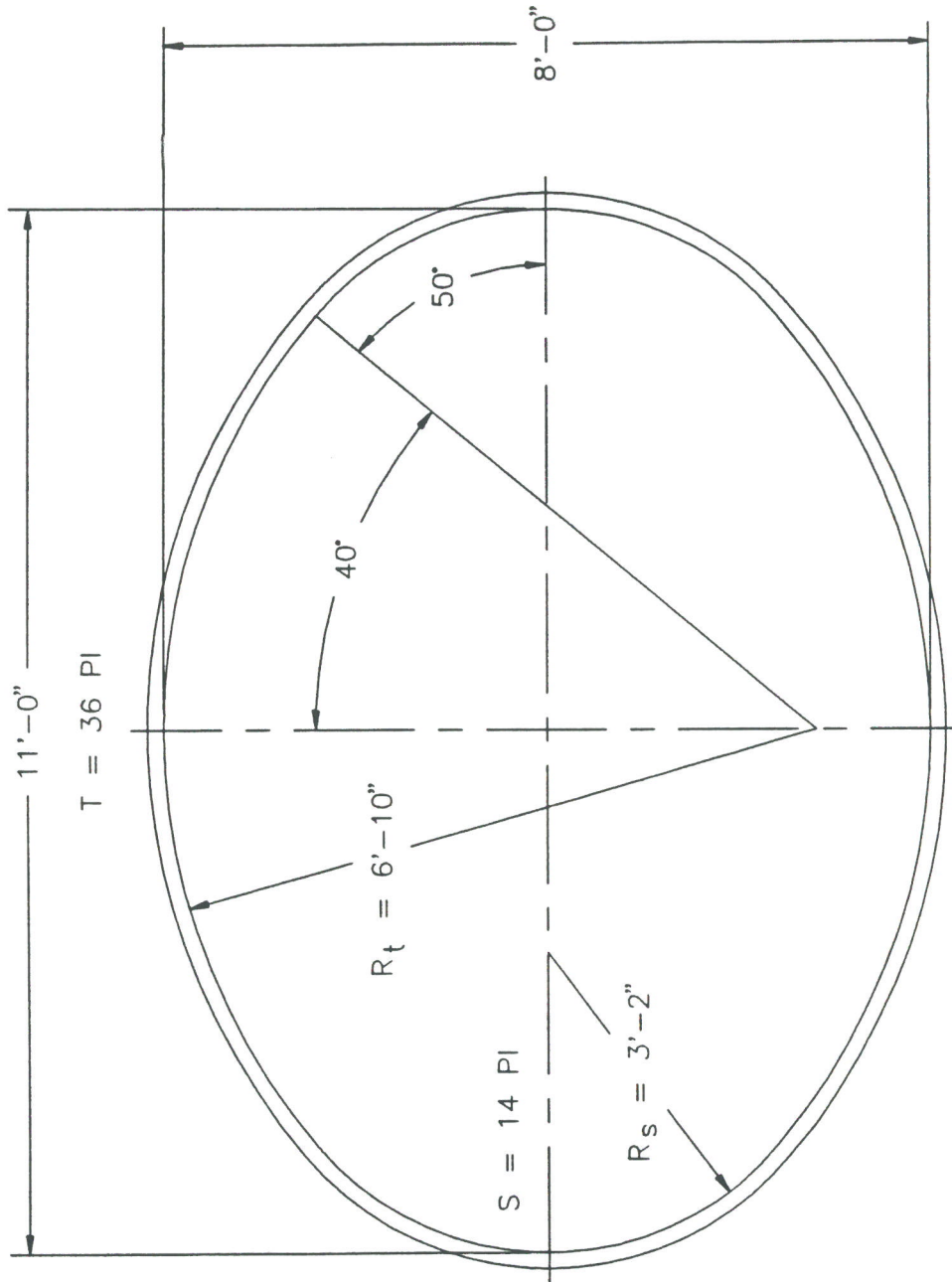


PLATE MAKE-UP:

TOP PL's: 1 @ 15, 1 @ 21 PI

SIDE PL's: 1 @ 21 PI

TOTAL PL's: 2 @ 15, 4 @ 21 PI

SCALE: 1/2" = 1'-0"

AREA = 68.2 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

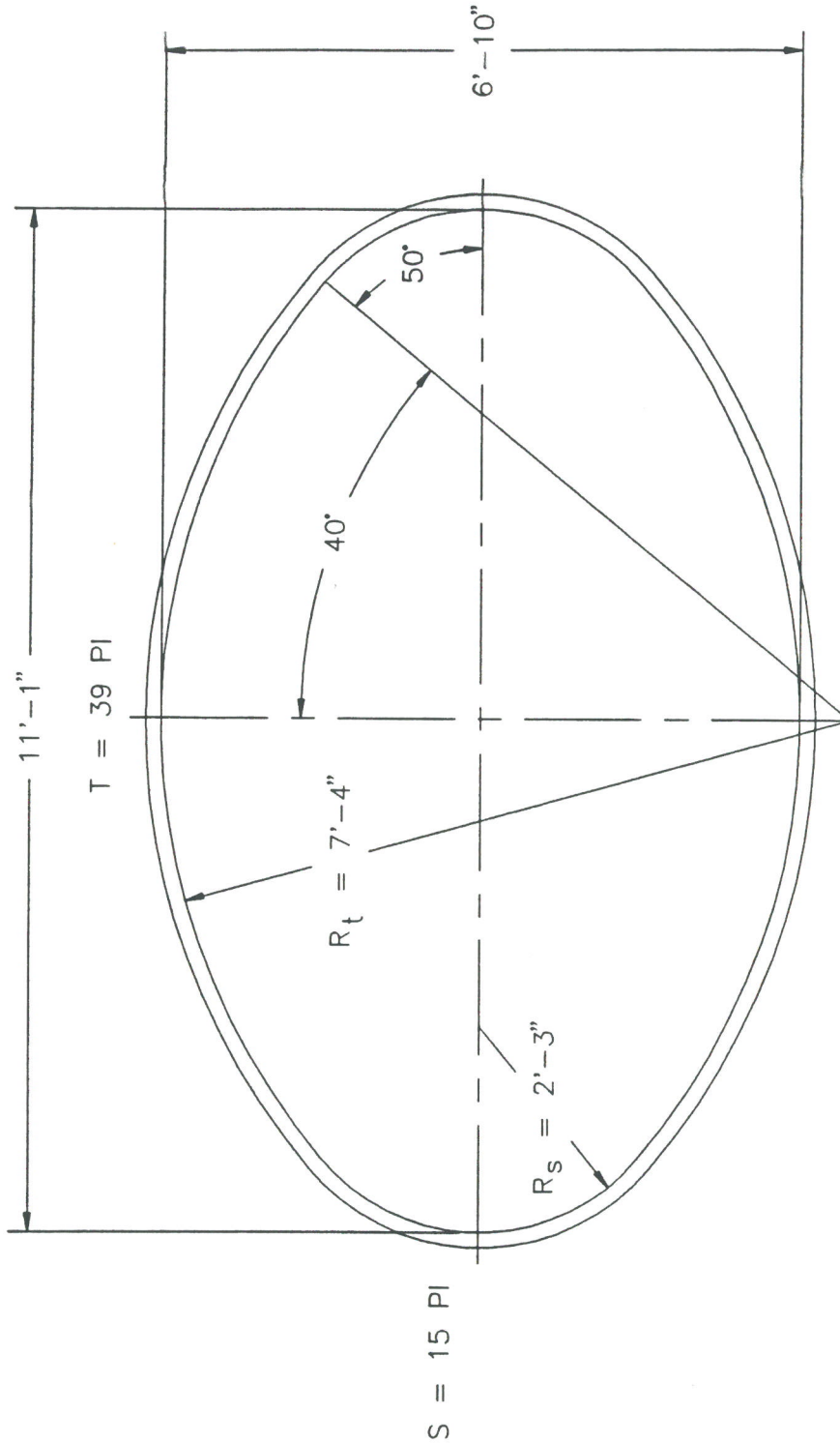


PLATE MAKE-UP:

TOP PL's: 1 @ 18, 1 @ 21 PI
 SIDE PL's: 1 @ 15 PI
 TOTAL PL's: 2 @ 15, 2 @ 18, 2 @ 21 PI

SCALE: 1/2" = 1'-0"

AREA = 58.1 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

114 PI

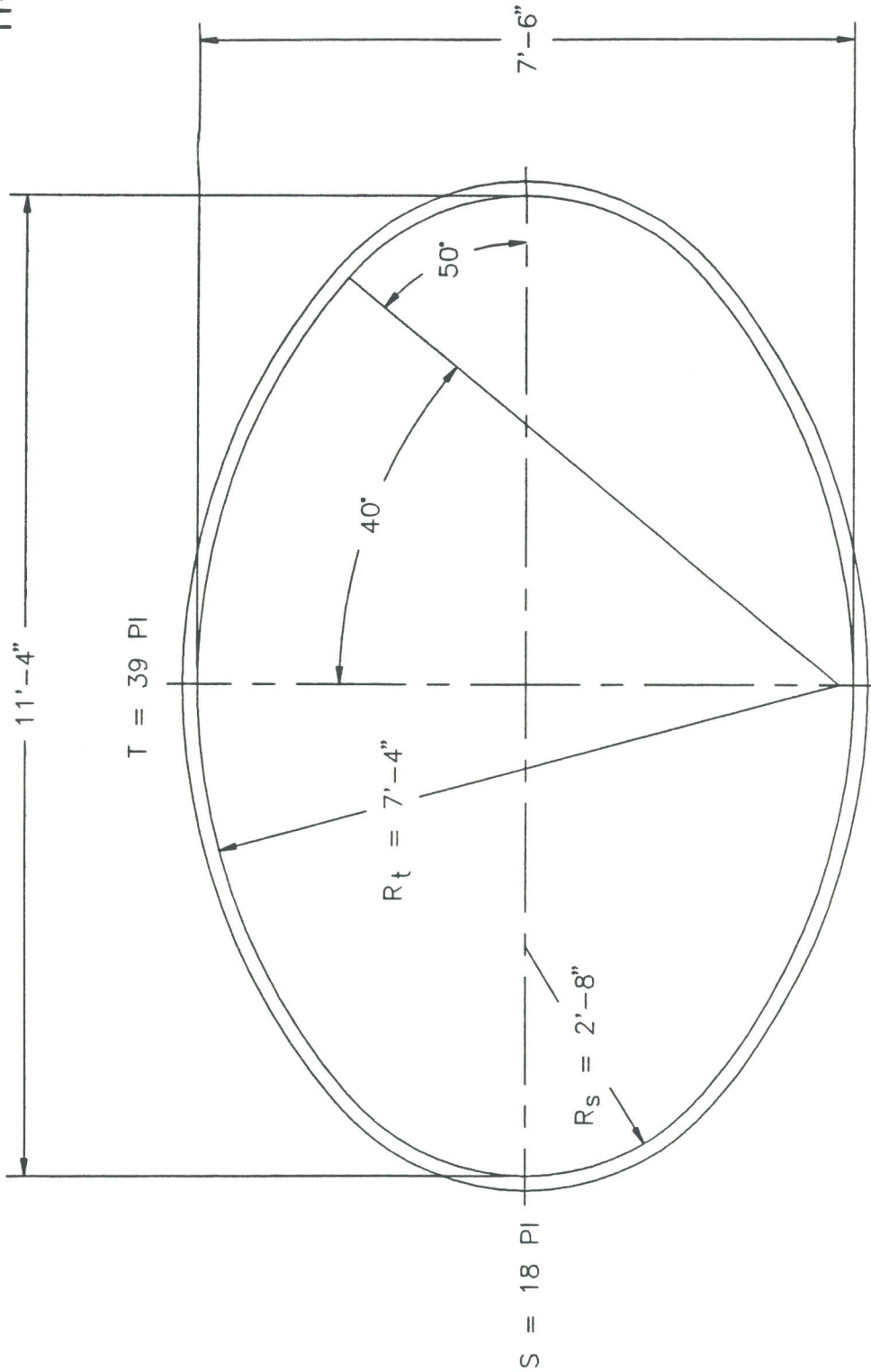


PLATE MAKE-UP:

TOP PL's: 1 @ 18, 1 @ 21 PI

SIDE PL's: 1 @ 18 PI

TOTAL PL's: 4 @ 18, 2 @ 21 PI

SCALE: $1/2" = 1'-0"$

AREA = 66.4 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

120 PI

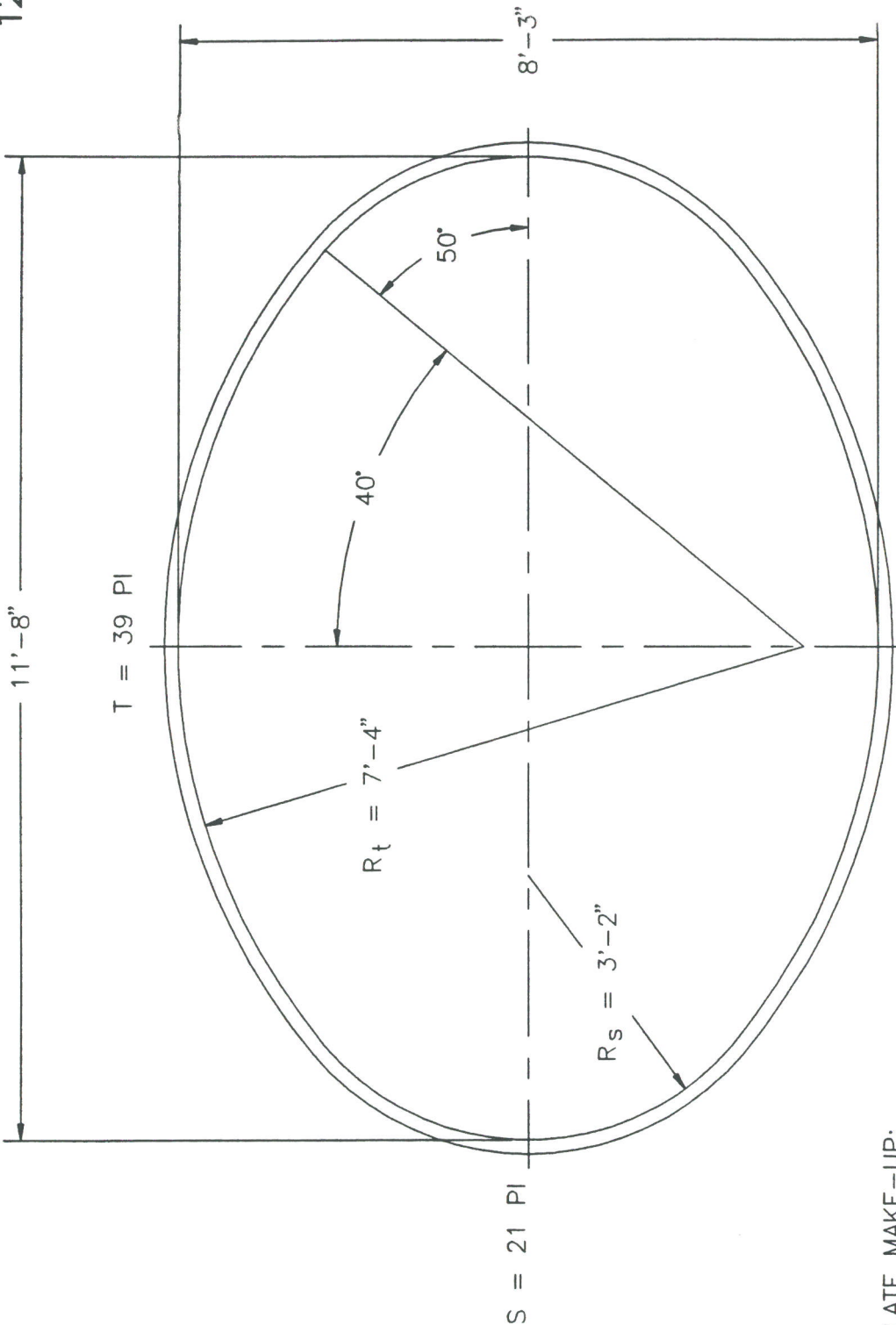


PLATE MAKE-UP:

TOP PL's: 1 @ 18, 1 @ 21 PI
 SIDE PL's: 1 @ 21 PI
 TOTAL PL's: 2 @ 18, 4 @ 21 PI

SCALE: 1/2" = 1'-0"

AREA = 75.1 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

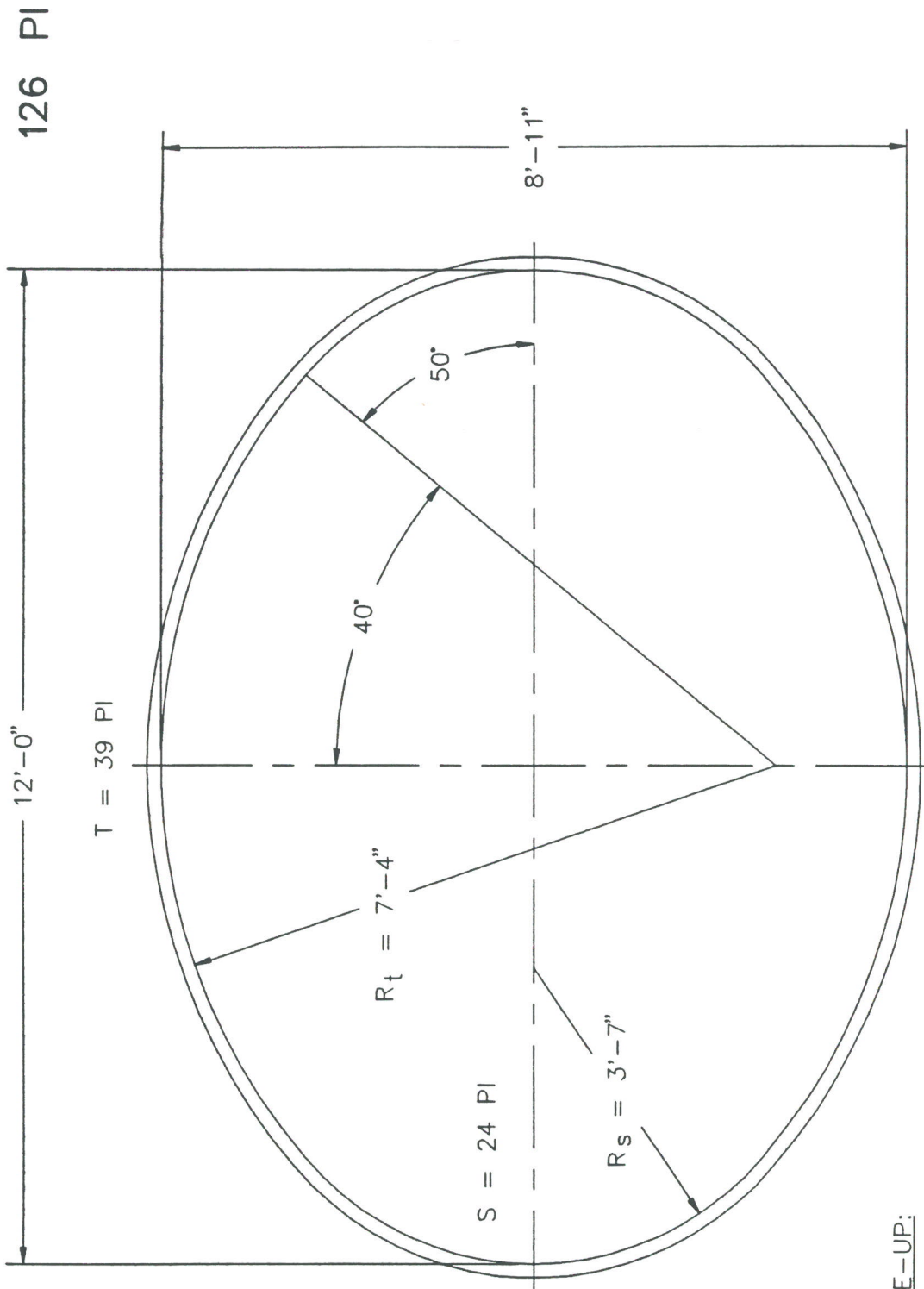


PLATE MAKE-UP:

TOP PL's: 1 @ 18, 1 @ 21 PI

SIDE PL's: 1 @ 24 PI

TOTAL PL's: 2 @ 18, 2 @ 21, 2 @ 24 PI

SCALE: 1/2" = 1'-0"

AREA = 84.1 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

114 PI

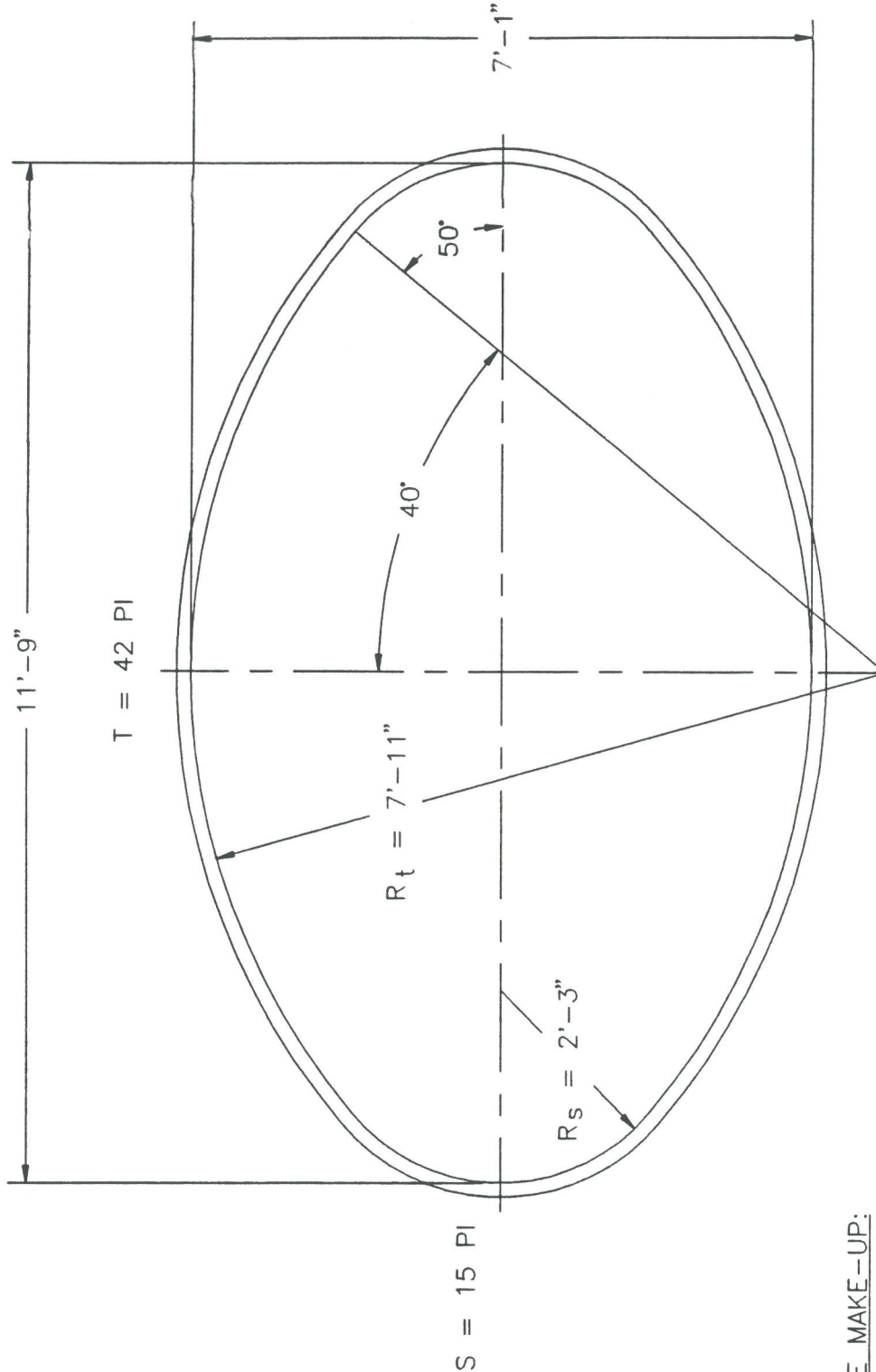


PLATE MAKE-UP:

TOP PL's: 1 @ 18, 1 @ 24 PI
SIDE PL's: 1 @ 15 PI

TOTAL PL's: 2 @ 15, 2 @ 18, 2 @ 24 PI

SCALE: 1/2" = 1'-0"

AREA = 64.2 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

120 PI

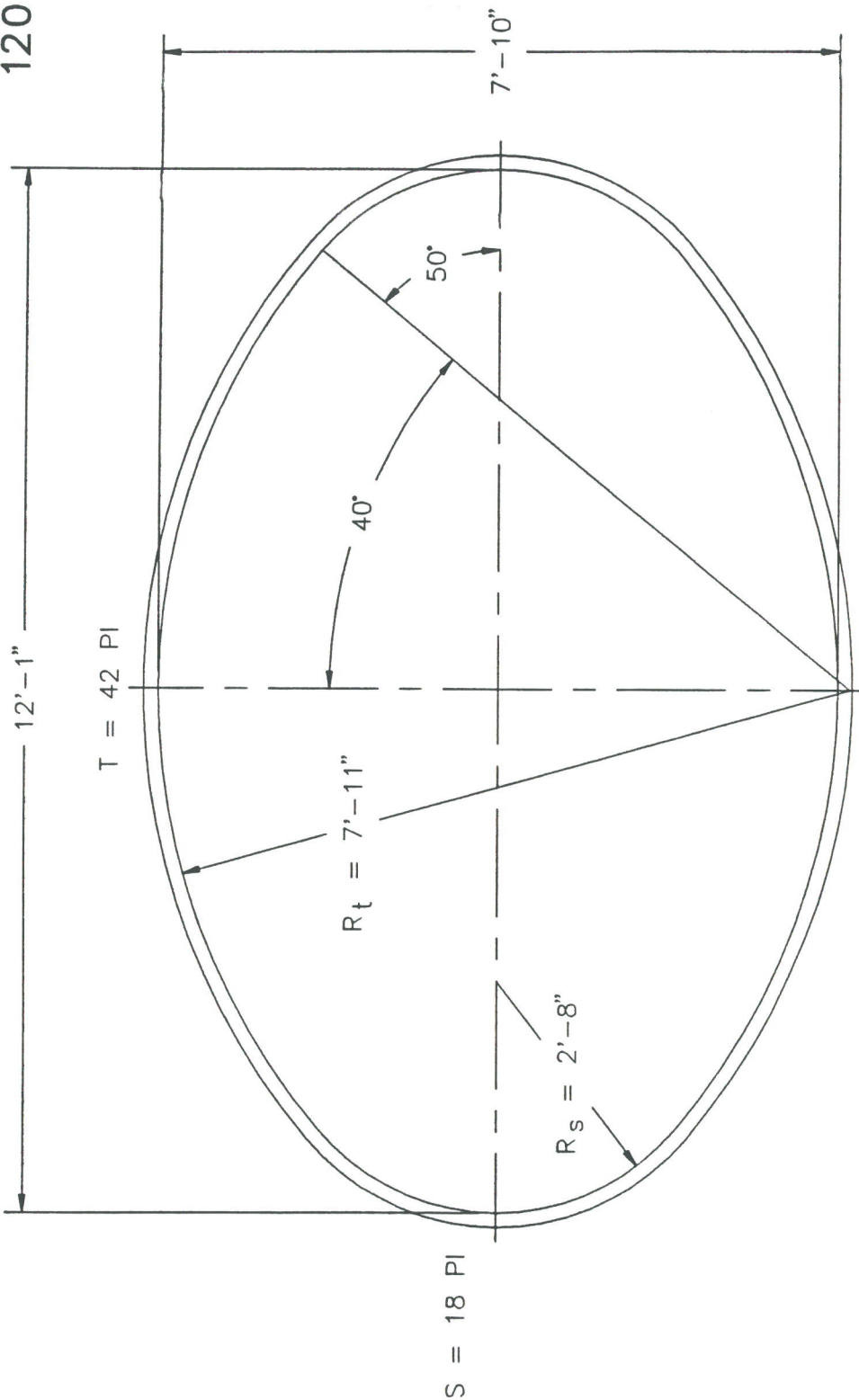


PLATE MAKE-UP:

TOP PL's: 1 @ 18, 1 @ 24 PI
SIDE PL's: 1 @ 18 PI

TOTAL PL's: 4 @ 18, 2 @ 24 PI

SCALE: $1/2" = 1'-0"$

AREA = 73.0 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

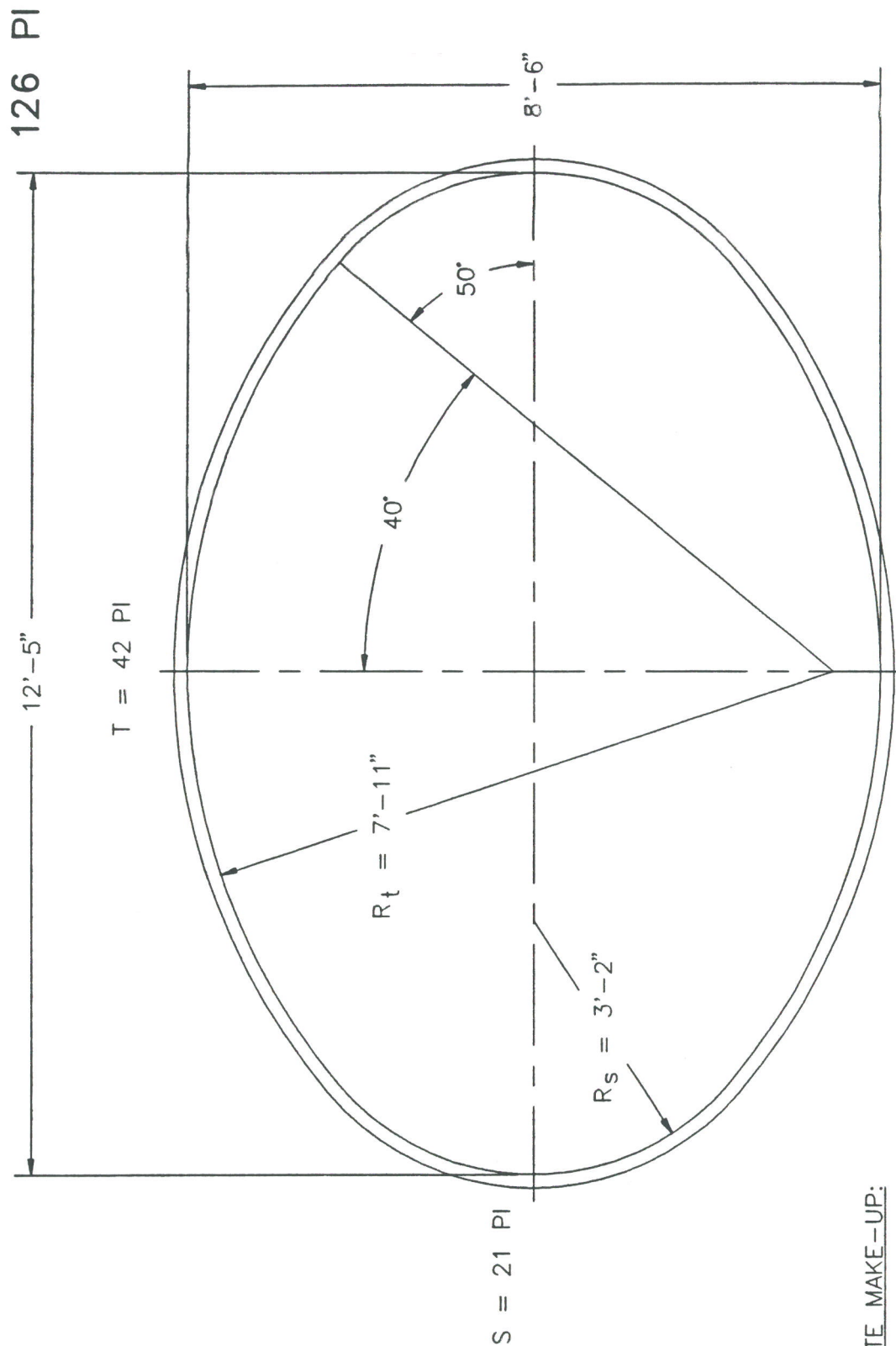


PLATE MAKE-UP:

TOP PL's: 1 @ 18, 1 @ 24 PI

SIDE PL's: 1 @ 21 PI

TOTAL PL's: 2 @ 18, 2 @ 21, 2 @ 24 PI

SCALE: $1/2" = 1'-0"$

AREA = 82.2 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

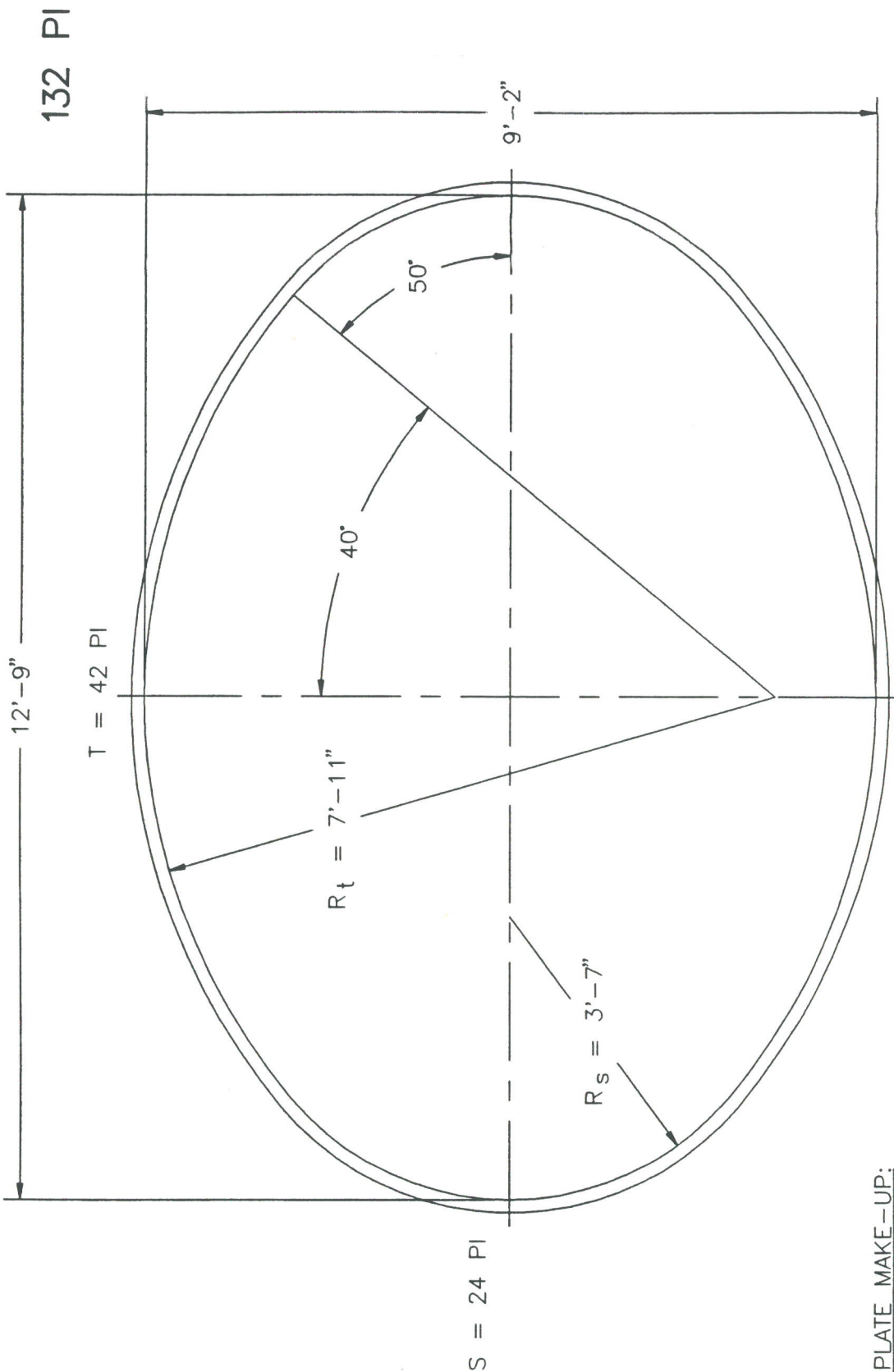


PLATE MAKE-UP:

TOP PL's: 1 @ 18, 1 @ 24 PI
SIDE PL's: 1 @ 24 PI

TOTAL PL's: 2 @ 18, 4 @ 24 PI

SCALE: $1/2" = 1'-0"$

AREA = 91.7 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

120 PI

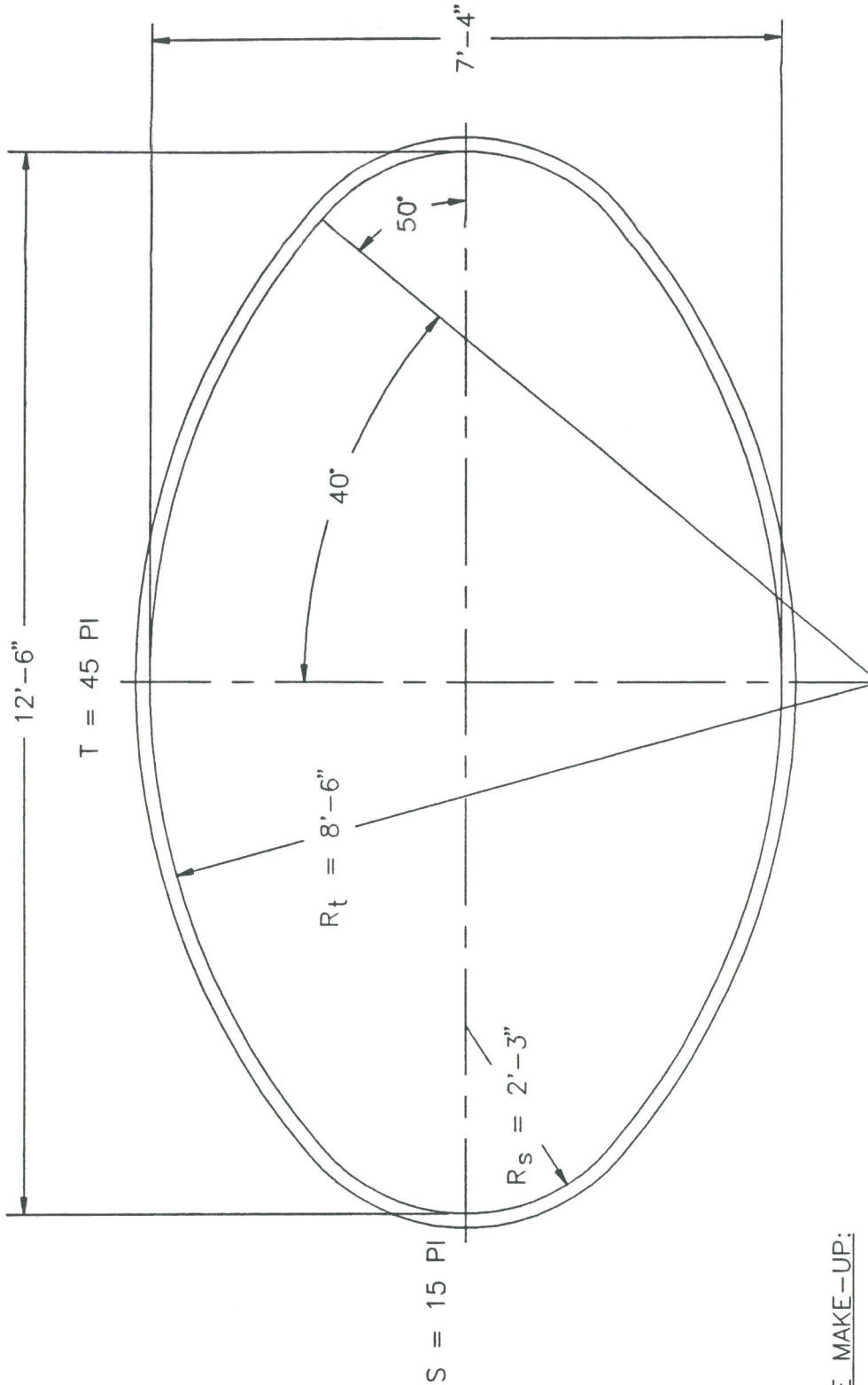


PLATE MAKE-UP:

TOP PL's: 1 @ 21, 1 @ 24 PI

SIDE PL's: 1 @ 15 PI

TOTAL PL's: 2 @ 15, 2 @ 21, 2 @ 24 PI

SCALE: 1/2" = 1'-0"

AREA = 70.5 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
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MULTI-PLATE
HORIZONTAL ELLIPSE
12'-6" x 7'-4" #45E15

Drawing
Date:

T.R.T.
9-13-94

Revision
Date:

Drawing
Number:

1008760A

126 PI

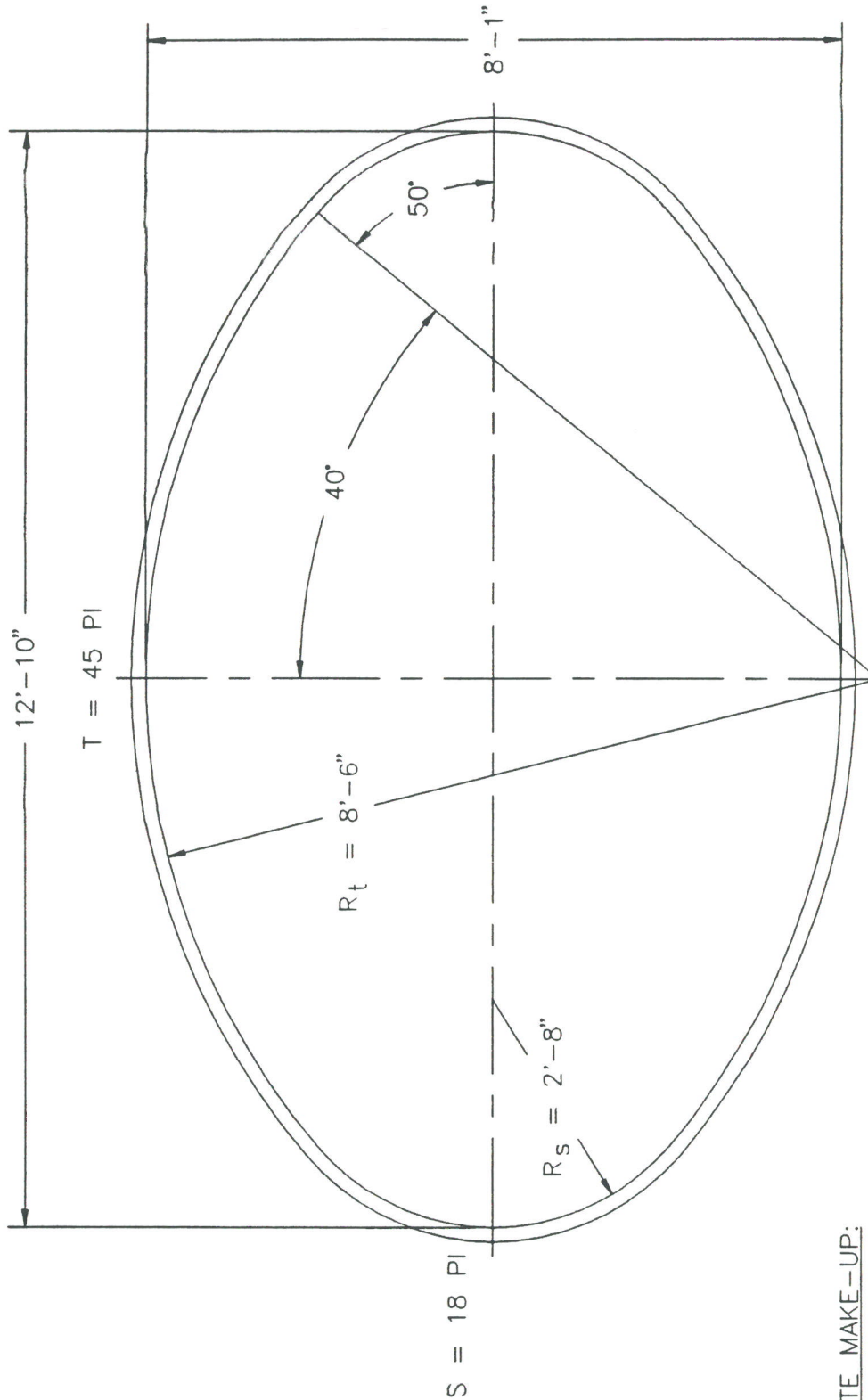


PLATE MAKE-UP:

TOP PL's: 1 @ 21, 1 @ 24 PI

SIDE PL's: 1 @ 18 PI

TOTAL PL's: 2 @ 18, 2 @ 21, 2 @ 24 PI

SCALE: 1/2" = 1'-0"

AREA = 79.9 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

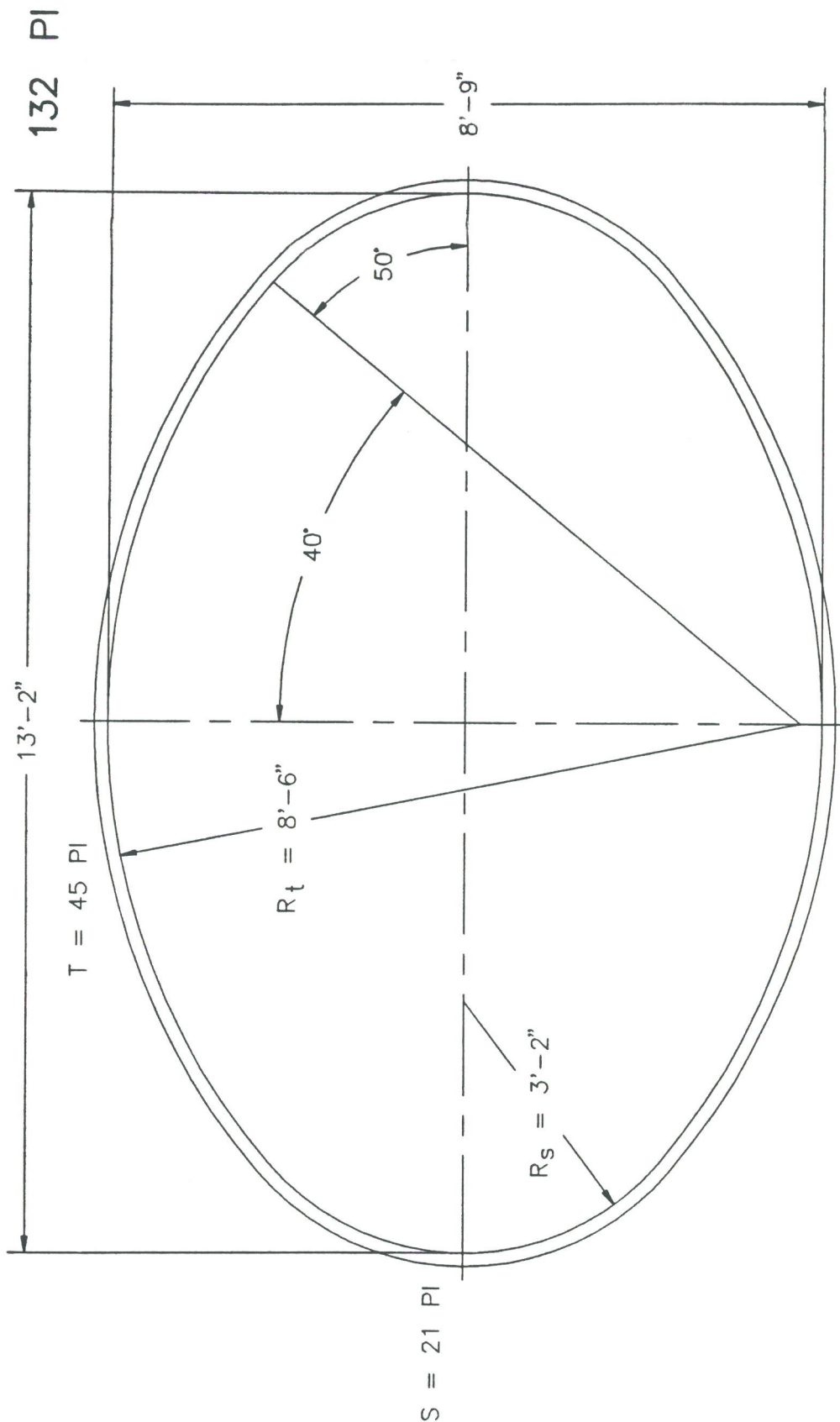


PLATE MAKE-UP:

TOP PL's: 1 @ 21, 1 @ 24 PI

SIDE PL's: 1 @ 21 PI

TOTAL PL's: 4 @ 21, 2 @ 24 PI

SCALE: 1/2" = 1'-0"

AREA = 89.6 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

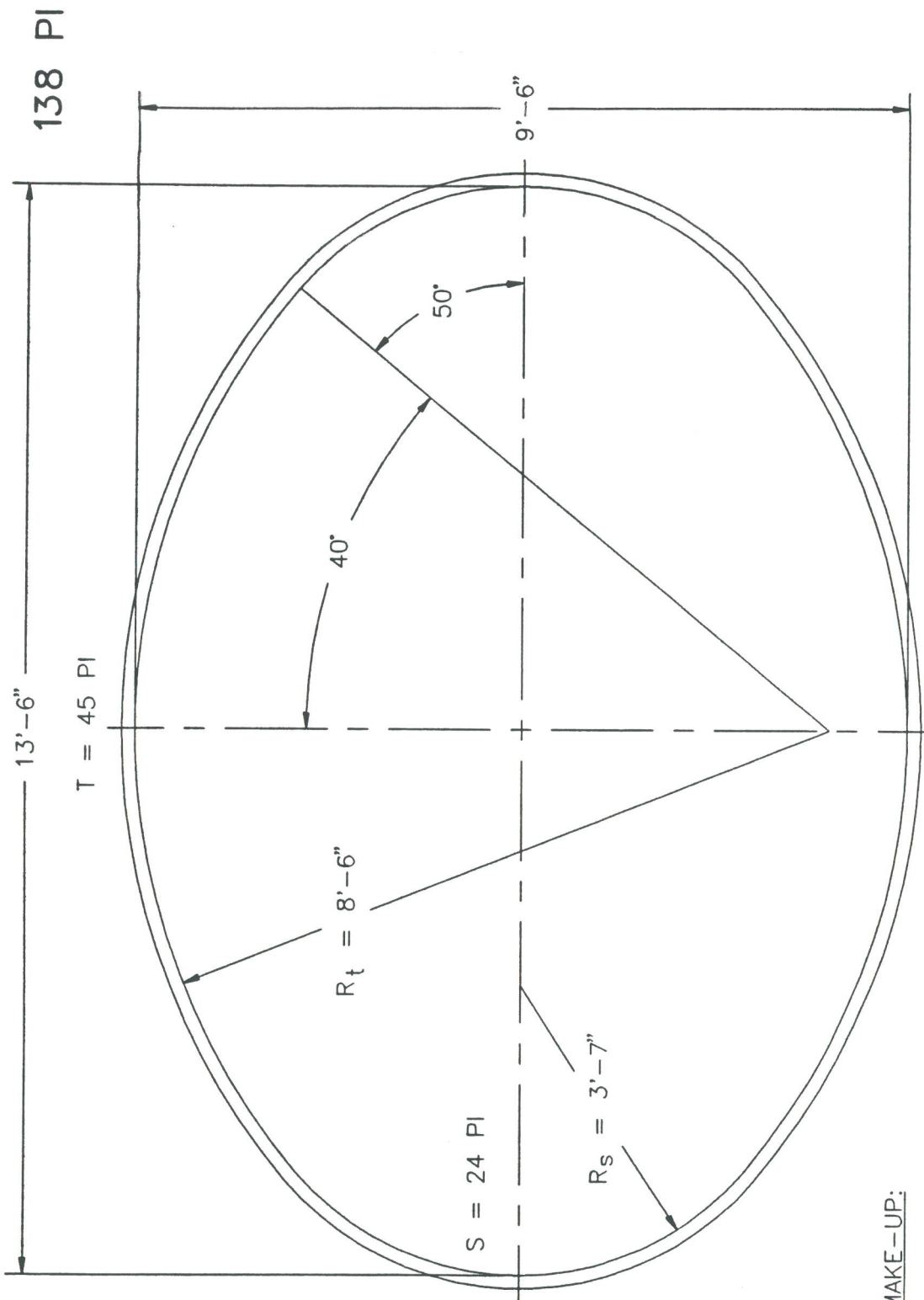


PLATE MAKE-UP:

TOP PL's: 1 @ 21, 1 @ 24 PI

SIDE PL's: 1 @ 24 PI

TOTAL PL's: 2 @ 21, 4 @ 24 PI

SCALE: 1/2" = 1'-0"

AREA = 99.6 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

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MULTI-PLATE
HORIZONTAL ELLIPSE
13'-6" x 9'-6" #45E24

Drawing
Date:

T.R.T.
9-13-94

Revision
Date:

Drawing
Number:

1008763A

132 PI

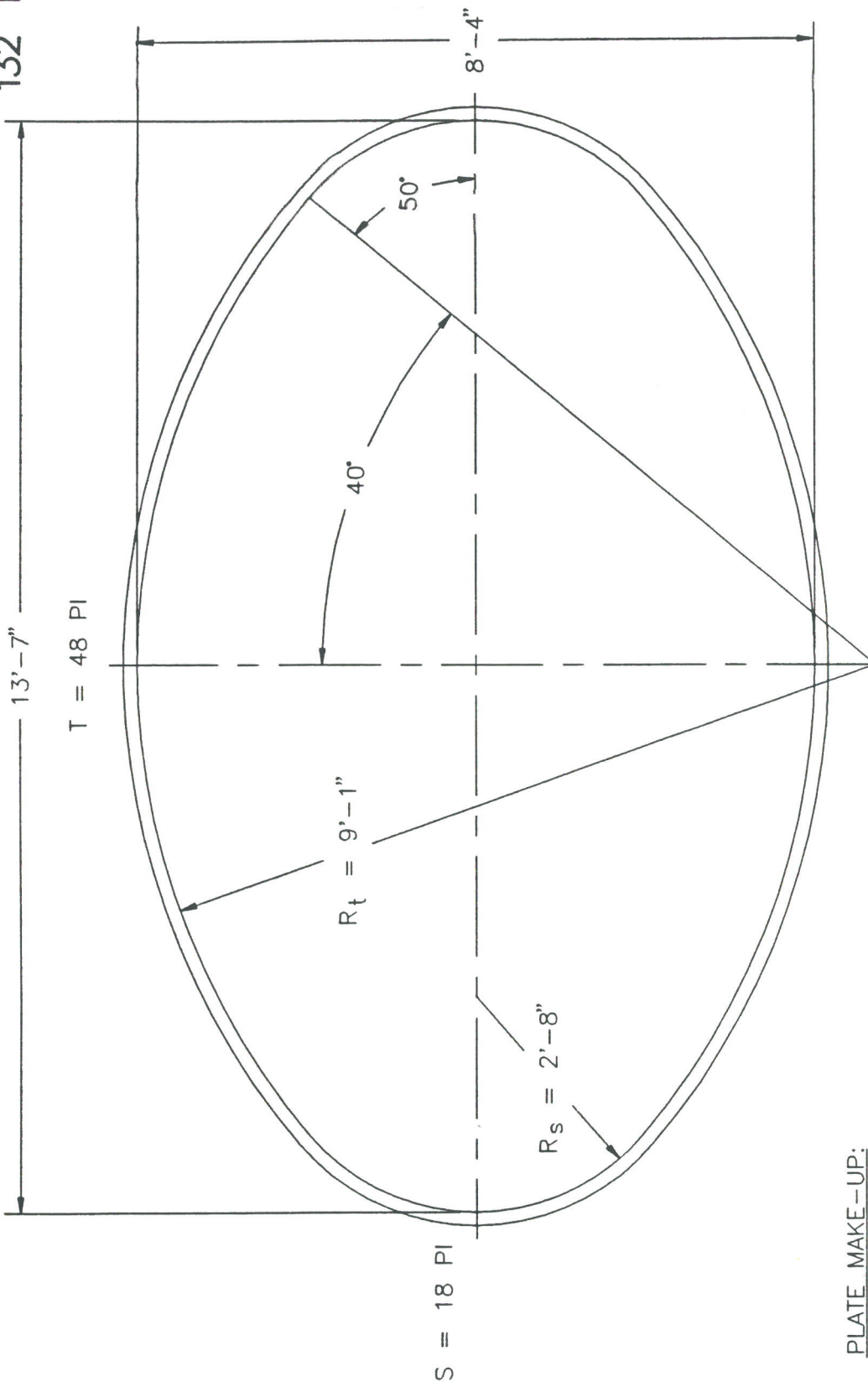


PLATE MAKE-UP:

TOP PL's: 1 @ 21, 1 @ 27 PI

SIDE PL's: 1 @ 18 PI

TOTAL PL's: 2 @ 18, 2 @ 21, 2 @ 27 PI

SCALE: 1/2" = 1'-0"

AREA = 87.1 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

138 PI

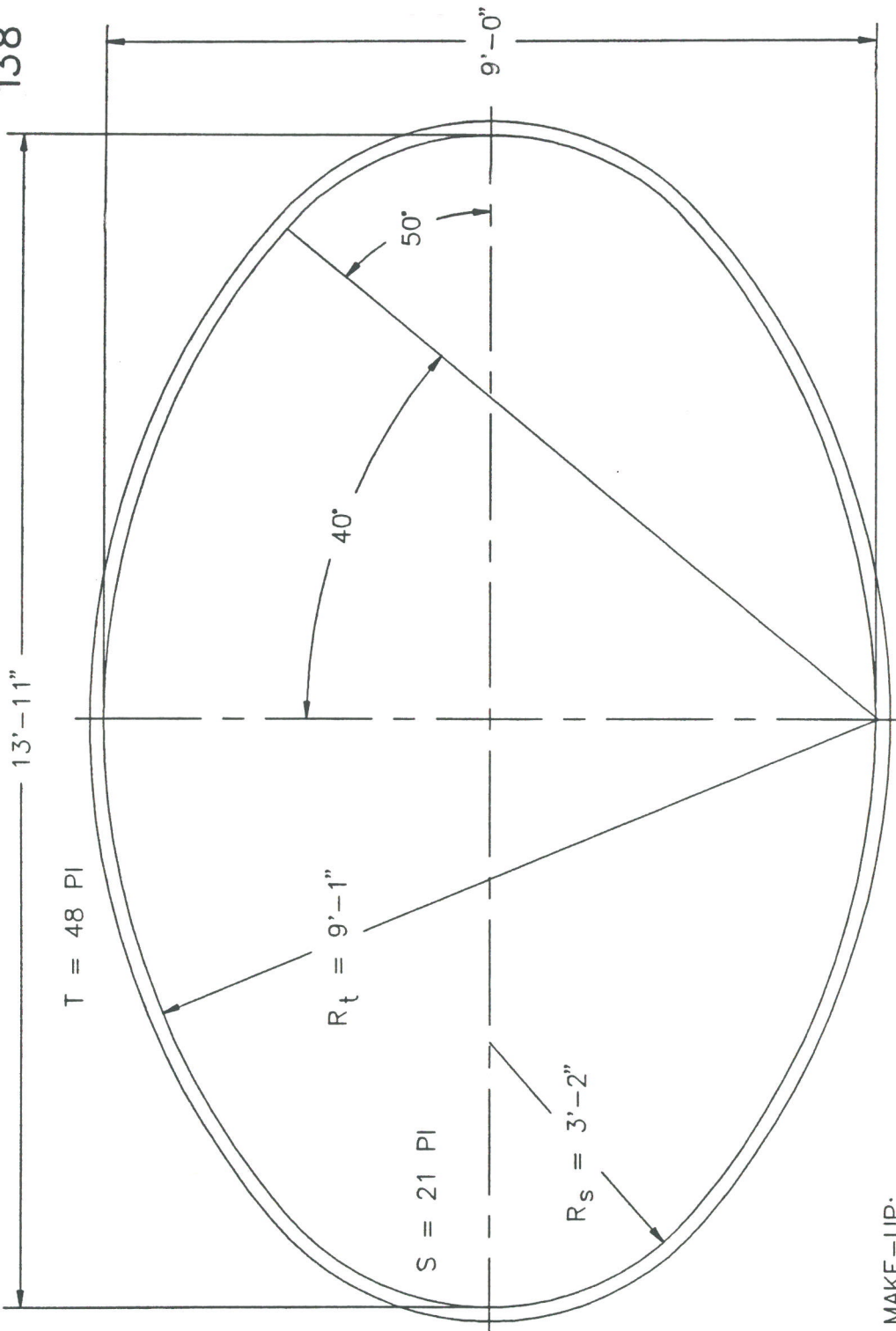


PLATE MAKE-UP:

TOP PL's: 1 @ 21, 1 @ 27 PI

SIDE PL's: 1 @ 21 PI

TOTAL PL's: 4 @ 21, 2 @ 27 PI

SCALE: 1/2" = 1'-0"

AREA = 97.3 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

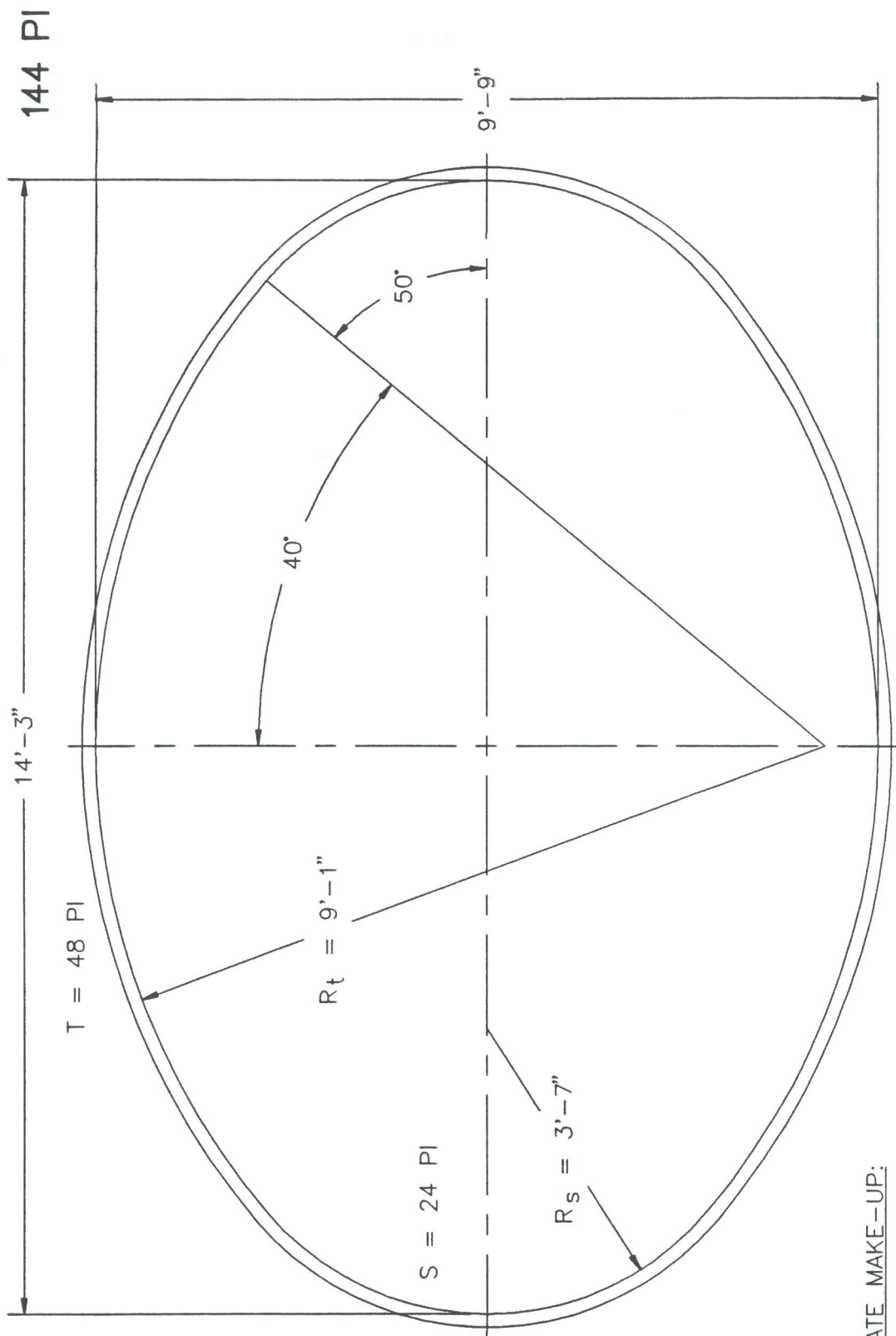


PLATE MAKE-UP:

TOP PL's: 1 @ 21, 1 @ 27 PI

SIDE PL's: 1 @ 24 PI

TOTAL PL's: 2 @ 21, 2 @ 24, 2 @ 27 PI

SCALE: 1/2" = 1'-0"

AREA = 107.8 SQ. FT.

NOTES:

1. ALL DIMENSIONS ARE TO THE INSIDE CORRUGATION CRESTS, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

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MULTI-PLATE
HORIZONTAL ELLIPSE
14'-3" x 9'-9" #48E24

Drawing
Date:

T.R.T.
9-13-94

Revision
Date:

Drawing
Number: 1008766A

