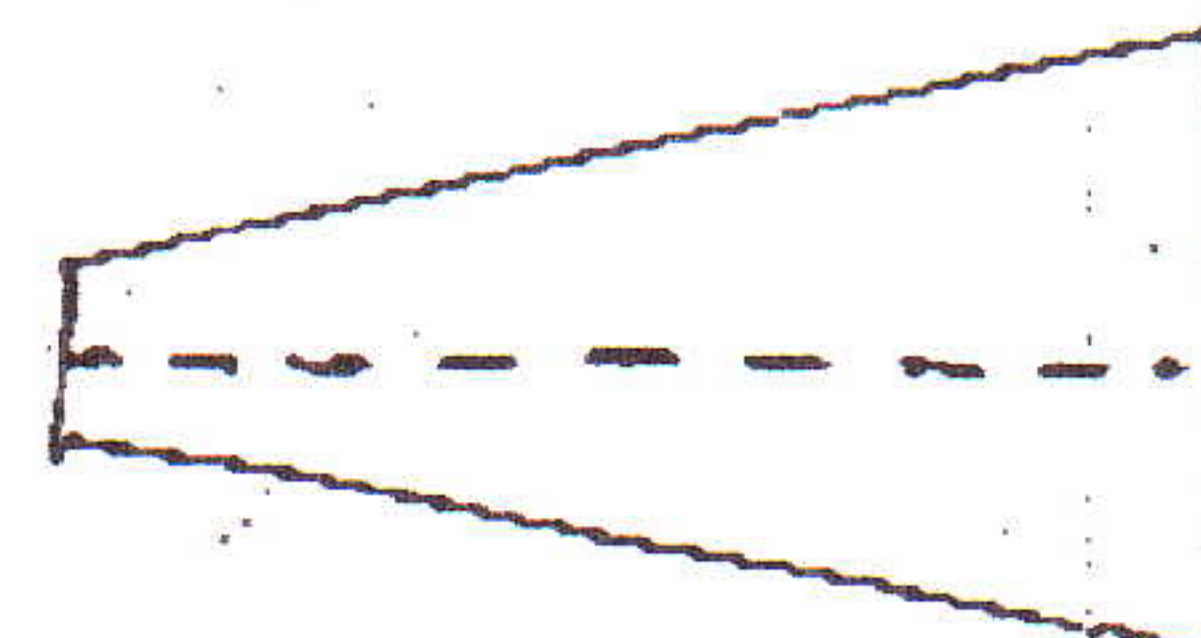


64a

The measurements of H_1 of the table for 60-foot panels

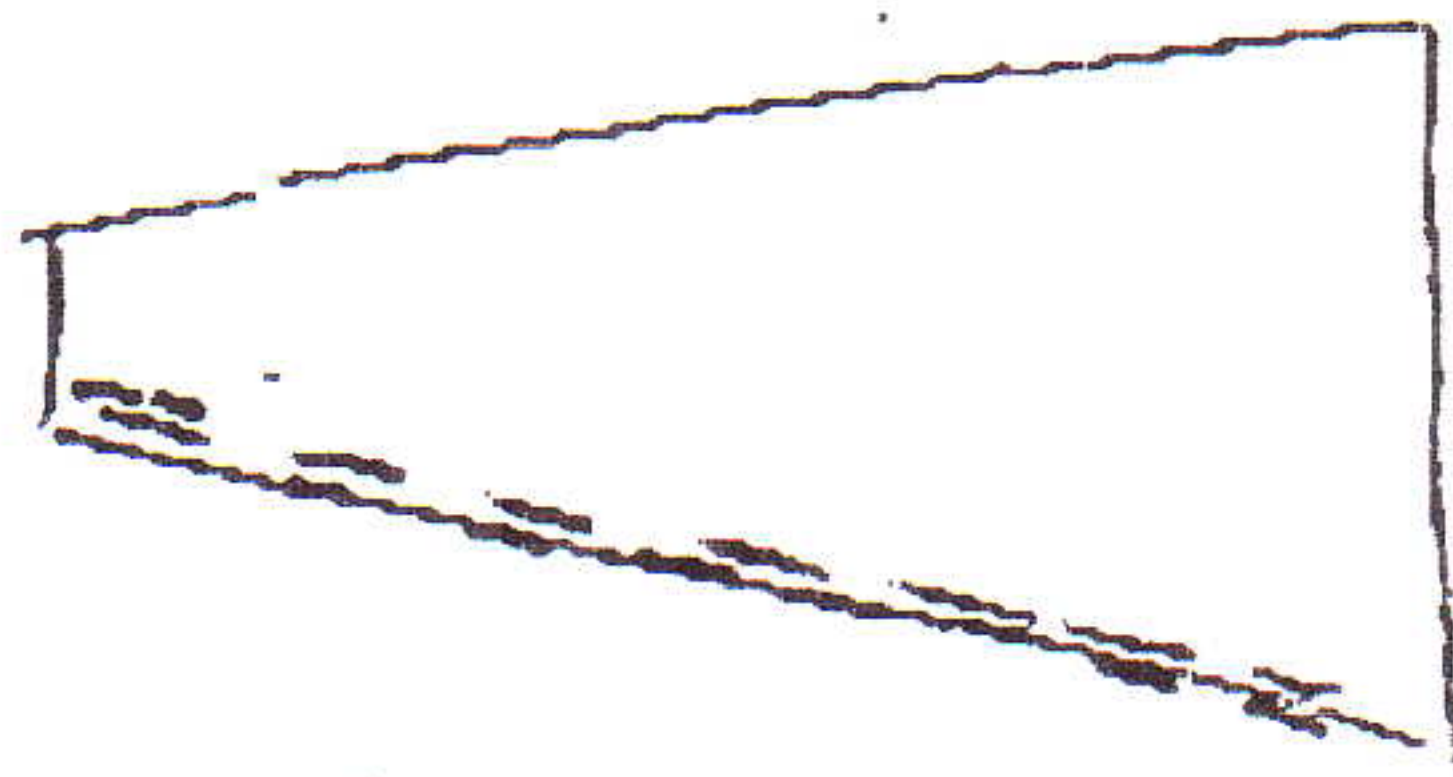
X'	H_1 (standard)	H_1 (of the table)	D (difference)
9.173'	16.61"	16.59"	0.02"
9.5'	15.67"	15.66"	-0.01"
10.00'	14.30"	14.28"	0.02"
10.50'	13.00"	12.98"	0.02"
11.00'	11.78"	11.78"	0.00"
11.50'	10.64"	10.63"	0.01"
12.00'	9.57"	9.56"	0.01"
12.50'	8.58"	8.58"	0.00"
13.00'	7.66"	7.66"	0.00"
13.50'	6.81"	6.81"	0.00"
14.00'	6.03"	6.04"	-0.01"
14.50'	5.31"	5.33"	-0.02"
15.00'	4.67"	4.67"	0.00"
15.50'	4.09"	4.08"	0.01"
16.00'	3.57"	3.54"	0.03"
16.50'	3.12"	3.11"	0.01"
17.00'	2.73"	2.73"	0.00"
17.50'	2.40"	2.41"	-0.01"
18.00'	2.13"	2.13"	0.00"
18.50'	1.93"	1.93"	0.00"
19.00'	1.78"	1.78"	0.00"
19.50'	1.69"	1.69"	0.00"
20.00'	1.65"	1.65"	0.00"
20.50'	1.68"	1.67"	0.01"
21.00'	1.75"	1.75"	0.00"
21.50'	1.89"	1.89"	0.00"
22.00'	2.07"	2.07"	0.00"
22.50'	2.31"	2.32"	-0.01"
23.00'	2.60"	2.61"	-0.01"
23.50'	2.94"	2.96"	-0.02"
24.00'	3.33"	3.34"	-0.01"
24.50'	3.77"	3.78"	-0.01"
25.00'	4.26"	4.26"	0.00"
25.50'	4.80"	4.80"	0.00"
26.00'	5.39"	5.40"	-0.01"
26.50'	6.02"	6.04"	-0.02"
27.00'	6.70"	6.07"	0.00"
27.50'	7.42"	7.44"	-0.02"
28.00'	8.20"	8.21"	-0.01"
28.50'	9.01"	9.03"	-0.02"
29.00'	9.87"	9.88"	-0.01"
29.50'	10.77"	10.77"	0.00"
30.00'	11.72"	11.74"	-0.02"
30.50'	12.70"	12.72"	-0.02"
31.00'	13.73"	13.74"	-0.01"
31.50'	14.80"	14.81"	-0.01"
32.00'	15.91"	15.91"	0.00"
32.30'	16.60"	16.59"	0.01"



846

The measurements of offset 0.4", 1.7", 3" of north side bar of the table for 60-foot panels.

X'	Offset 0.4"	Offset 1.7"	Offset 3"
9.174'		4.64" +01	
9.50'		3.71" +01	
10.00'		2.34" +01	
11.00'		5.84" -015	
11.50'	4.74" ✓	4.715" +02	
12.00'	3.66" +02	3.62" +02	
12.50'	2.68" +01		2.62" ✓
13.00'	1.76" +01		1.70" ✓
14.00'	0.14" +01		0.075" -005
15.00'	4.78" +01		4.72" ✓
16.00'	3.71" ✓		3.64" ✓
17.00'	2.875" -005		2.81" -01
18.00'	2.29" ✓		2.22" ✓
19.00'	1.94" ✓		1.86" +01
20.00'	1.81" +01		1.74" +01
21.00'	1.925" +005		1.83" +03
22.00'	2.27" -06		2.17" +02
23.00'	2.79" ✓		2.72" ✓
24.00'	3.54" -01		3.46" ✓
25.00'	4.48" -01		4.40" ✓
26.00'	5.60" ✓		5.53" ✓
27.00'	0.94" -02		0.86" -01
28.00'	2.44" -01		2.35" +01
29.00'	4.12" -01		4.035" +005
30.00'	5.96" ✓		5.88" +01
31.00'	1.99" ✓		1.90" +02
32.00'	4.17" ✓	4.10	4.07" +03
32.30'	4.87" ✓		4.78" +02



To - Dr. Bracewell

64c

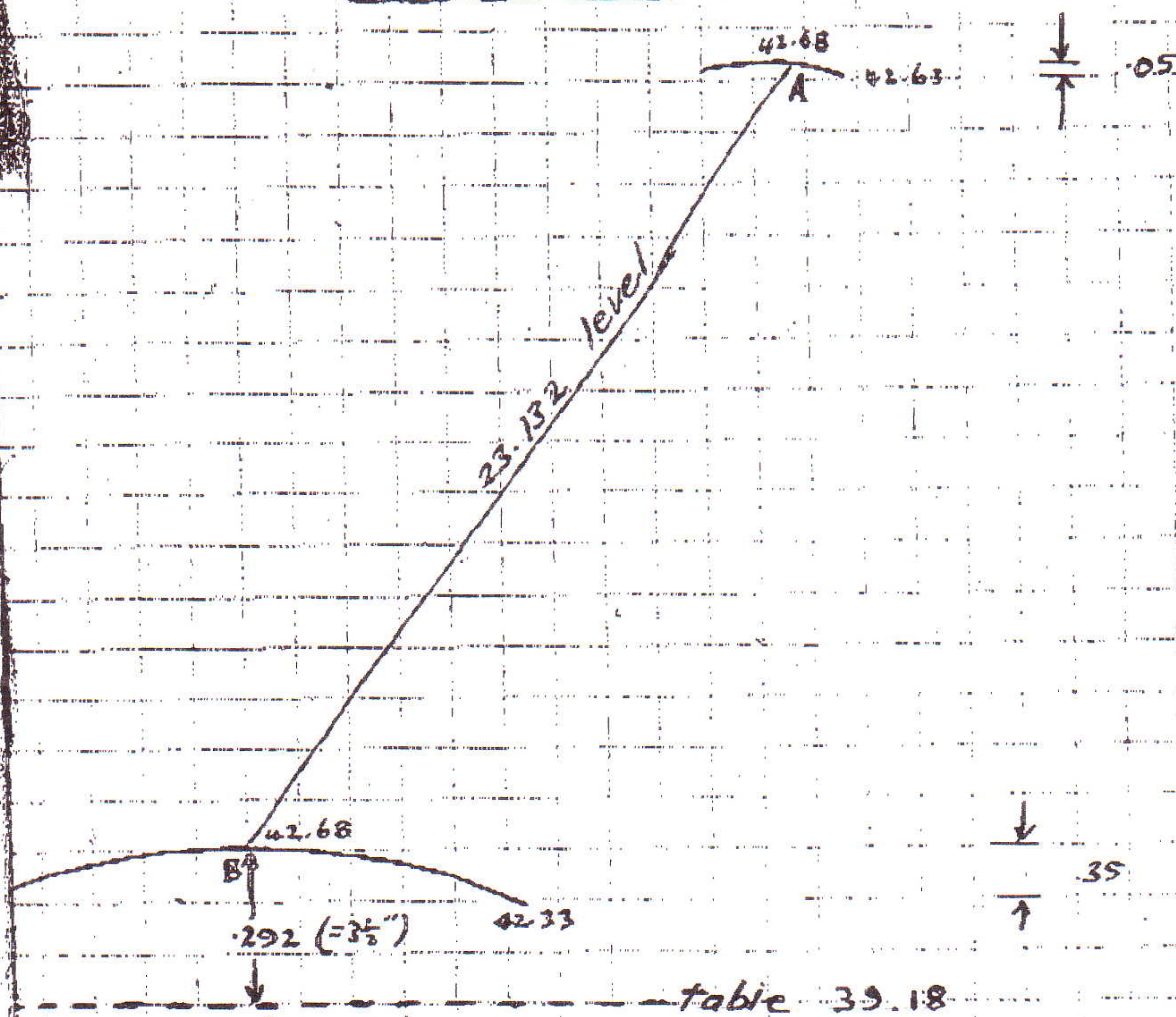
the measurements of offset 0.4", 1.7", 3" of south side bar of the table
for 60-foot panels.

	Offset 0.4"	Offset 1.7"	Offset 3"
9.174'		4.65 4.65" ✓	
9.50'		3.72 3.72" ✓	
10.00'		2.35 2.36" -01	
11.00'	5.88 5.88" ✓	5.84 5.84" ✓	
11.50'	4.74 4.74" ✓	4.70 4.71" -01	
12.00'	3.68 3.67" +01	3.64 3.63" +01	
12.50'	2.69 2.69" ✓		2.62 2.62" ✓
13.00'	1.77 1.76" +01		1.70 1.68" +02
14.00'	0.15 0.145" +005		0.07 0.05" +02
15.00'	4.79 4.79" ✓		4.72 4.70" +02
16.00'	3.71 3.70" +01		3.64 3.62" +02
17.00'	2.87 2.875" +005		2.80 2.78" +02
18.00'	2.29 2.29" ✓		2.22 2.20" +02
19.00'	1.94 1.94" ✓		1.87 1.86" +01
20.00'	1.82 1.82" ✓		1.75 1.73" +02
21.00'	1.93 1.92" +01		1.86 1.83" +03
22.00'	2.26 2.25" +01		2.19 2.18" +01
23.00'	2.79 2.78" +01		2.72 2.71" +01
24.00'	3.53 3.52" +01		3.46 3.45" +01
25.00'	4.47 4.45" +02		4.40 4.395" +005
26.00'	5.60 5.58" +02		5.53 5.525" +005
27.00'	0.92 0.90" +02		0.85 0.845" +005
28.00'	2.43 2.43" ✓		2.36 2.36" ✓
29.00'	4.11 4.11" ✓		4.04 4.05" -01
30.00'	5.96 5.96" ✓		5.89 5.90" -01
31.00'	1.99 1.98" +01		1.92 1.92" ✓
32.30'	4.87 4.85" +02		4.80 4.79" +01

65

T-Sections on Table

9 March 1965



Intersection of axial plane CC with table $3\frac{1}{2}$ " below AB.

$$y = .0492 x' + .089 \text{ ft} \quad m = 5.39.18$$

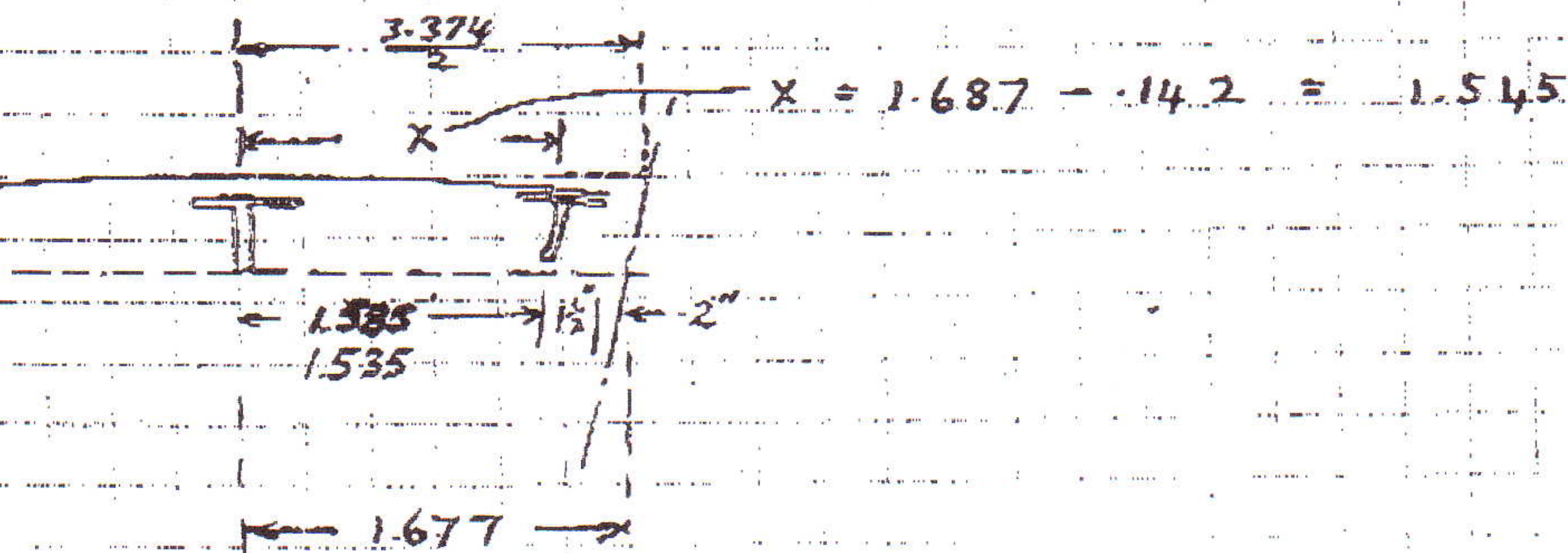
$$x' = 9.173 \quad y = .451 + .089 = .540$$

$$\pi' = 32.305 \quad y = 1.588 + .089 = 1.677$$

Subtract $.2'' (= .017 \text{ ft})$ for gap and $1\frac{1}{2}''$ for T-sec width.

$y_A = 248 \text{ ft}$ ~~377 ft~~ 398 $0.17 = 2''$
 $125 = 1\frac{1}{2}''$

$$y_8 = \frac{1.3857 + 1}{1.648 + 1} = \frac{2.3857}{2.648} = 0.901$$



66

Proposed
universal
curve

x	x'	L	CURVT	$\frac{L^2}{8 \text{ CURVT}} \times 12$					
10	9.4	1.086	37.363	.049	046	044	042	040	
15	14.6	1.646	39.000	.104	100	095			
20	20.2	2.212	41.183	.178					
25	26.1	2.674	43.829	.264					
30	32.3	3.333	46.861	.357					

Universal curve gives correct ^{total} sag at all x , from edge to center,
but it departs from correct shape with discrepancies in thousandths
of an inch shown in red.

^{0.47}
Modification to split errors between pos & neg.

10									
15									
20									
25									
30									

10

15

20

25

30

x'	L	x	CURRENT	$\left(\frac{L^2}{8 \text{ current}}\right)^{1/2}$ inches	L^2	L^3	$\frac{L^2}{9.84}$
10	1.152	10.68	37.5	.053	1.33	1.33	.1.35
15	1.687	15.3	33.1	.109	2.85	2.14	.2.90
20	2.192	19.8	41.1	.176	4.82	3.62	.4.90
25	2.671	24.1	43.3	.248	7.15	5.32	.7.26
30	3.129	28.2	45.7	.323	9.84	7.40	1.0

