

TOMMY 92F/3

BRG 4 → 5a 170°44'36"
ELEVATION

827030

TRAVERSE NO. 2

UNADJUSTED

ADJUSTED (TRANSIT RULE)

COURSE	BRG.	DIST.	DEP.	LAT.	BRG.	DIST.	DEP.	LAT.	EL.	ST.
	BRG		4,949.86	9871.65			4,949.86	9,871.65	116.82	5A
5A-16	244°58'51"	34.42	4,918.67	9857.09	244°58'25"	34.41	4,918.68	9,857.09	105.60	16
16-17	352°25'04"	52.38	4,911.76	9,909.02	352°25'17"	52.38	4,911.77	9,909.02	94.69	17
17-18	341°56'07"	31.95	4,901.85	9,939.39	341°56'36"	31.95	4,901.87	9,939.40	83.76	18
18-19	347°56'28"	21.68	4,897.32	9,960.59	347°56'48"	21.68	4,897.34	9,960.60	79.17	19
19-20	30°19'28"	80.03	4,937.73	10,029.67	30°19'58"	80.04	4,937.77	10,029.69	88.34	20
20-1	115°30'41"	68.93	4,999.94	9,999.98	115°30'03"	68.95	5,000.00	10,000.00	100.00	1
1-2	230°04'11"									

CHAIN
Σ =
289.39

DEP. ERROR = -0.06

LAT. ERROR = -0.02

BRG TO CLOSE = 76°05'26"

ERROR DISTANCE = 0.06

R. Precision = 0.0002219 = 1-in-4,506

BRG	DIST	ΔX	ΔY	DEP.	LAT.	ΔH	ELEV.
TT01-2 230°00'00" (BY BRUNTON)	40.03	-30.66	-25.73	4,969.34	9,974.27	+2.88	102.88
TT02-3 176°10'15"	32.02	+2.14	-31.95	4,971.47	9,942.32	+1.80	104.68
TT03-4 218°23'43"	44.32	-27.53	-34.74	4,943.95	9,907.59	+3.88	108.56
RAY → 4-5 166°14'18"	37.09	+8.82	-36.03	4,952.77	9,871.56	+5.21	113.27
RAY → 5-6A 266°48'57"	2.94			4,949.83	9,871.40	+1.19	113.46
RAY → 5-6B 147°17'24"	56.00	+30.26	-47.12	4,983.03	9,824.44	+11.92	125.19
RAY → 6-7A 290°22'10"	10.15			4,973.51	9,827.97	+1.33	123.86
RAY → 7-6B 205°25'39"	28.70			4,970.71	9,798.52	+2.28	127.47
7-7 121°33'34"	28.20	+24.03	-14.76	5,007.06	9,809.68	+12.30	137.49
7-8 112°29'57"	16.95	+15.66	-6.49	5,022.72	9,803.19	+8.56	146.05
8-9 2°21'07"	52.99	+2.17	+52.95	5,024.90	9,856.14	+10.98	156.63
9-10 343°38'33"	16.56	-4.66	+15.89	5,020.23	9,872.03	+3.31	153.26

ANGLES

@ TT02 = $\left. \begin{matrix} \text{FL } 126^\circ 10' 15'' \\ \text{FR } 126^\circ 10' 15'' \end{matrix} \right\} 126^\circ 10' 15''$

@ TT03 = $\left. \begin{matrix} \text{FL } 222^\circ 13' 28'' \\ \text{FR } 222^\circ 13' 27'' \end{matrix} \right\} 222^\circ 13' 28''$

BRG.

TT01-2 = $230^\circ 00' 00''$
 $+ 180^\circ$
 $+ 126^\circ 10' 15''$

 $176^\circ 10' 15'' = \text{Brg; } 2 \rightarrow 3$
 180°
 $+ 222^\circ 13' 28''$

 $218^\circ 23' 43'' = \text{Brg; } 3 \rightarrow 4$

ΔH Vertical X

TT02-3 (2-3) = $\left\{ \begin{matrix} + 3^\circ 13' 10'' (2-3) \\ + 3^\circ 13' 10'' \\ + 3^\circ 13' 40'' \end{matrix} \right.$

TT02-1 (2-1) = $-4^\circ 07' 17''$

TT03-4 (3-4) (INCLINOMETER) = $+5^\circ$

MARCH 5/87

TOMMY PROJECT
 TRANSIT SURVEY
 PRELIM CO-ORDINATES
 (COMPASS AZIMUTH)