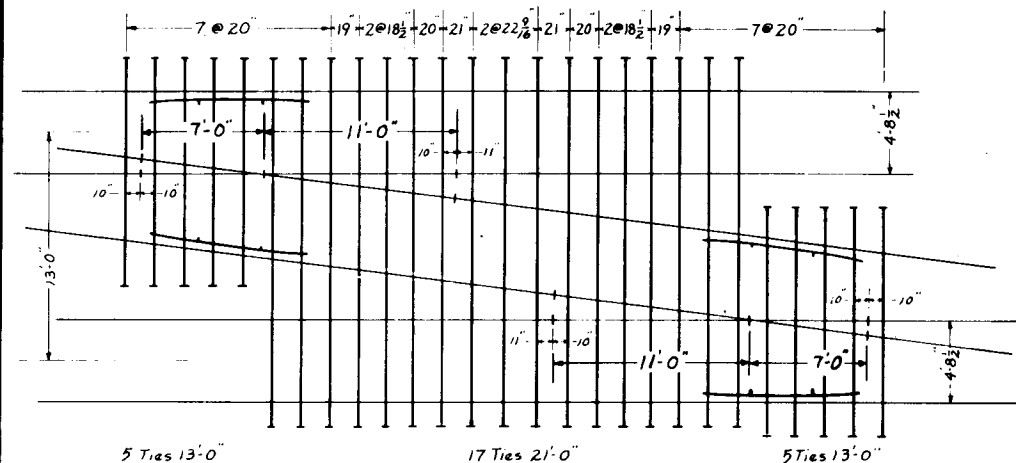


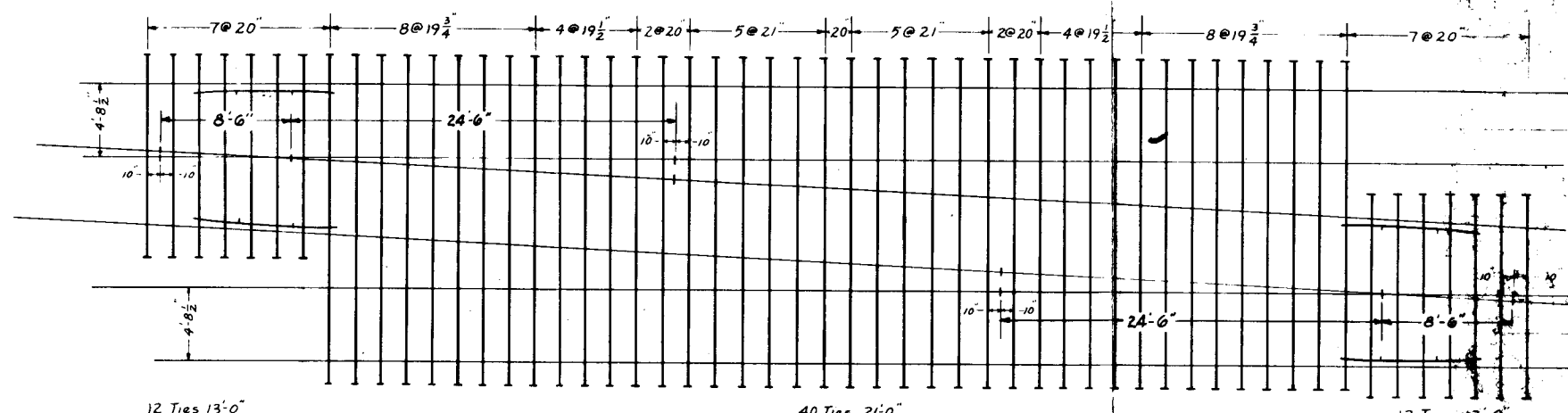


5 Ties 13'-0"

17 Ties 21'-0"

5 Ties 13'-0"

No. 8 CROSSOVER 140 RE RAIL

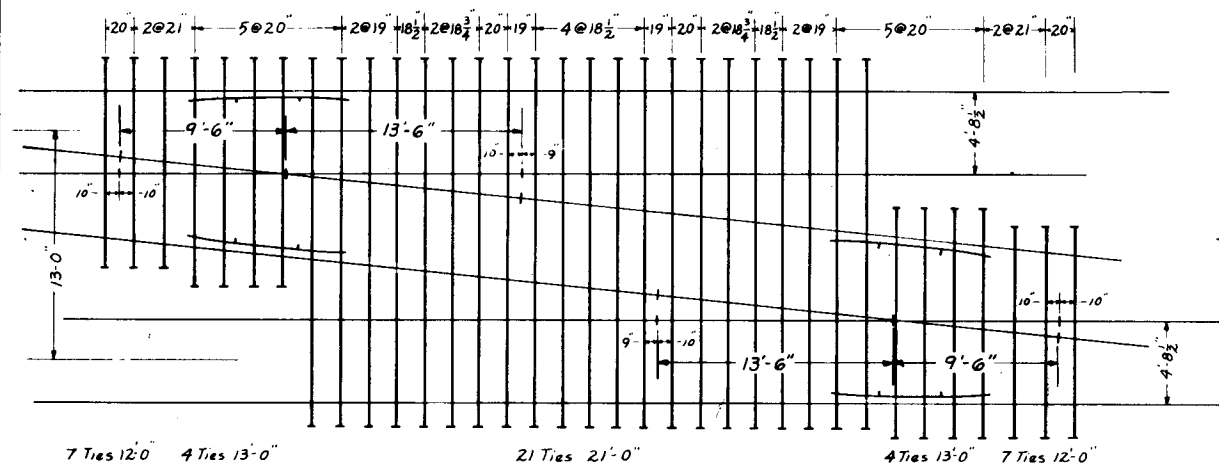


12 Ties 13'-0"

40 Ties 21'-0"

12 Ties 13'-0"

No. 20 CROSSOVER 140 RE RAIL

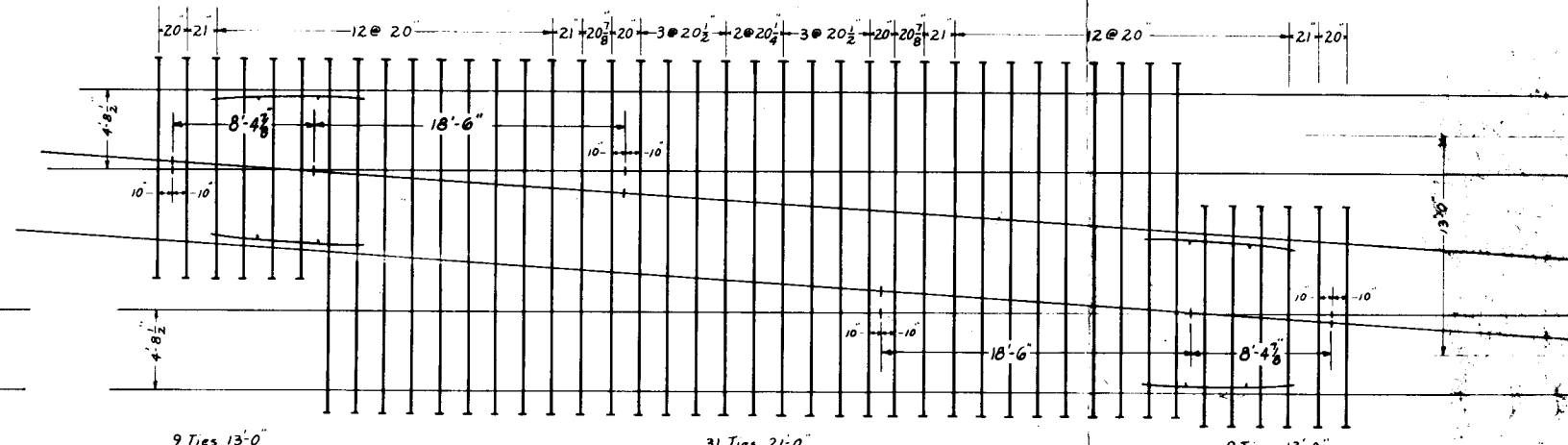


7 Ties 12'-0" 4 Ties 13'-0"

21 Ties 21'-0"

4 Ties 13'-0" 7 Ties 12'-0"

No. 10 CROSSOVER 140 RE RAIL



9 Ties 13'-0"

31 Ties 21'-0"

9 Ties 13'-0"

No. 15 CROSSOVER 140 RE RAIL

13'-0" TRACK CENTERS

CROSSOVER	TIMBER REQUIRED						
	8'6"	9'	10'	11'	12'	13'	21'
No. 8	2	20	20	12	12	14	17
No. 10	0	22	26	18	14	12	21
No. 15	2	34	32	30	20	22	31
No. 20	14	38	50	38	28	28	40



PENN CENTRAL

66477-B

**TIE LAYOUT FOR Nos. 8, 10, 15, 20
CROSSOVER WITH 140 L.B. RE RAIL.**

JANUARY 27, 1969

Office of Chief Engineer - Maintenance of Way