

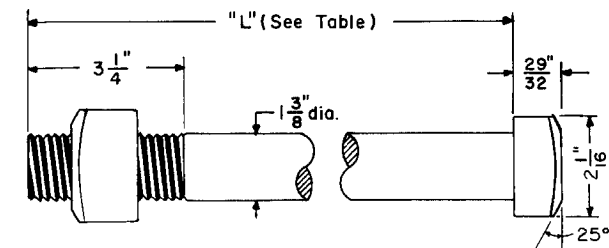
**BOLT LOCATIONS**

**ACCOUNT AND REFERENCE NUMBERS**

BOLT LENGTH	● 1 3/8" DIAMETER	● 1 1/4" DIAMETER
10"	01-189909	01-175908
11"	01-190600	01-176609
12"	01-191301	01-177300
13"	01-192002	01-178001
14"	01-192705	01-178704
15"	01-193406	01-179405
16"	01-194107	01-180106
17"	01-194800	01-180809
18"	01-195500	01-181500
19"	01-196201	01-182201
20"	01-196904	01-182904

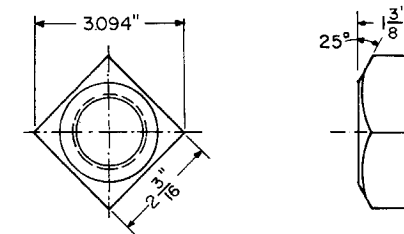
**BOLT LENGTHS**

FROG NO.	RAIL SECT.	PLAN NO.	BOLTS NUMBERED IN ORDER FROM TOE TO HEEL OF FROG																									
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
			LENGTH "L" UNDER HEAD (INCHES)																									
6	119	74150-()	12	10	10	12	15	15	14	15	16	18	19	20	12													
8	119	74152-()	11	11	10	13	15	16	15	15	16	17	18	19	20	12												
	132	74160-()	12	11	11	13	15	16	15	15	16	17	18	19	20	11												
	140	74140-()	11	11	11	12	14	15	15	16	17	18	19	20	20	11	13	14										
10	119	74154-()	11	11	11	12	14	16	15	14	15	16	17	18	19	19	11	11	12									
	132	74161-()	11	11	11	12	14	16	15	15	15	16	17	18	19	19	11	12	12									
	140	74141-()	11	11	11	12	14	15	15	15	16	17	18	19	20	20	11	13	13									
15	119	74156-()	11	11	11	10	10	11	13	16	17	18	16	15	16	17	18	18	19	19	19	10	11	11				
	132	74160-()	11	11	11	10	10	12	13	16	17	18	16	15	16	17	18	18	19	19	19	10	11	13				
	140	74156-()	12	11	10	11	12	14	16	17	18	16	15	16	17	18	18	19	19	19	20	11	11	13				
20	132	74163-()	11	11	10	10	10	13	15	16	16	17	18	16	15	15	16	17	18	18	19	19	19	10	10	11	11	12
	140	74158-()	11	11	10	10	10	13	15	16	16	17	18	16	15	15	15	17	18	18	19	19	19	10	10	11	11	12



(Square Head)

**FROG BOLT**



**SQUARE NUT**

**NOTES**

- 1 - Bolts and nuts shall conform to current AREA Specifications for special trackwork, Article 11, and details shown on this plan.  
Bolts and nuts per ASA-B18.2.2-1965  
Threads - A.S.A.-B1.1-1960 Class 2 Fit, Coarse Thread Series with cut threads.
- 2 - All nuts to be wrench fit and Medium Carbon Steel.  
(0.40 Minimum - 0.55 Maximum)
- 3 - Bolts for frogs heavier than 110-lb rail shall be 1 3/8" dia.  
Bolts for frogs 110-lb and lighter shall be 1 1/4" dia.

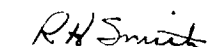
**CONRAIL 71501-B**

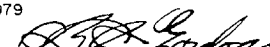
STANDARD

**REPLACEMENT BOLTS**

**FOR RBM FROGS**

OCTOBER, 1979

  
 Chief Engineer - Maintenance of Way

  
 Chief Engineering Officer