

# CONRAIL SYSTEM — RAIL SECTION DIMENSIONS AND DRILLING

RAIL SECTION	FORMER R.R.	BASE	HEIGHT	HEAD WIDTH	RAIL DRILLING						BAR DRILLING <small>3 Dimensions = 4 Hole Bar 5 Dimensions = 6 Hole Bar</small>	STANDARD BOLT		PRESCRIBED BOLT		TIE PLATES  C = Canted Flat Plates Not Labeled
					RAIL END TO 1 <sup>st</sup> BOLT HOLE	1 <sup>st</sup> BOLT HOLE TO 2 <sup>nd</sup> BOLT HOLE	2 <sup>nd</sup> BOLT HOLE TO 3 <sup>rd</sup> BOLT HOLE	3 <sup>rd</sup> BOLT HOLE TO BASE OF RAIL	BASE OF RAIL TO 4 <sup>th</sup> BOLT HOLE	DIAMETER OF BOLT HOLES		BOLT SIZE	NECK	BOLT SIZE	NECK	
													O - Oval E - Elliptical S - Square		O - Oval E - Elliptical S - Square	
80 L.V.	L.V.	5	4 $\frac{3}{4}$	2 $\frac{1}{2}$	1 $\frac{29}{32}$	4	4	1 $\frac{13}{16}$	1	4-4-4-4-4	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 8 $\frac{1}{2}$	
80 DY.	N.Y.C.	5	5 $\frac{1}{8}$	2 $\frac{21}{32}$	2.75	5.6	5.6	2 $\frac{1}{4}$	1	5.6-5.6-5.6-5.6-5.6	1 $\frac{13}{16}$ x 4 $\frac{1}{8}$	S	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 11	
"	C.N.J.	5	5 $\frac{5}{8}$	2 $\frac{21}{32}$	1 $\frac{7}{8}$	4	5	2 $\frac{1}{4}$	1	5-4-3 $\frac{7}{8}$ -4-5	7 $\frac{7}{8}$ x 4 $\frac{3}{4}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	6 x 9 8 8 x 11	
80 A.S.C.E.	E.L.	5	5	2 $\frac{1}{2}$	2	4 $\frac{3}{4}$	4 $\frac{3}{4}$	2 $\frac{3}{16}$	1	4 $\frac{3}{4}$ -4 $\frac{3}{4}$ -4 $\frac{1}{8}$ -4 $\frac{3}{4}$ -4 $\frac{3}{4}$	1 $\frac{15}{16}$ x 4 $\frac{1}{4}$	O	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	6 x 9; 6 x 8 $\frac{1}{2}$ ; 7 x 10 $\frac{1}{4}$ ; 7 x 10 8 7 x 9	
"	N.H.	5	5	2 $\frac{1}{2}$	2 $\frac{3}{8}$	7	-	2 $\frac{3}{16}$	1 $\frac{3}{32}$	7-5-7	7 $\frac{7}{8}$ x 4 $\frac{3}{4}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 9 $\frac{1}{2}$ C	
85 DY.	N.Y.C.	5	5 $\frac{1}{4}$	2 $\frac{11}{16}$												
"	C.N.J.	5	5 $\frac{1}{4}$	2 $\frac{11}{16}$	1 $\frac{7}{8}$	4	5	2 $\frac{1}{4}$	1	5-4-3 $\frac{7}{8}$ -4-5	7 $\frac{7}{8}$ x 4 $\frac{3}{4}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	6 x 9 8 8 x 11	
85 A.S.C.E.	P.R.R.	5 $\frac{3}{16}$	5 $\frac{3}{16}$	2 $\frac{9}{16}$	2 $\frac{29}{32}$	6	-	2 $\frac{17}{64}$	1 $\frac{3}{16}$	6-6-6	1 $\frac{13}{16}$ x 4 $\frac{3}{8}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 10 $\frac{3}{4}$	
"	P.R.R.	5 $\frac{3}{16}$	5 $\frac{3}{16}$	2 $\frac{9}{16}$	2 $\frac{13}{32}$	5	-	2 $\frac{17}{64}$	1 $\frac{3}{16}$	5-5-5	1 $\frac{13}{16}$ x 4 $\frac{3}{8}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 10 $\frac{3}{4}$	
85 P.R.R.	P.R.R.	5	5	2 $\frac{9}{16}$	1 $\frac{29}{32}$	5	-	2 $\frac{1}{16}$	1	5-4-5	1 $\frac{13}{16}$ x 4 $\frac{1}{2}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 10 $\frac{3}{4}$	
85 P.S.	P.R.R.	4 $\frac{5}{8}$	5 $\frac{1}{8}$	2 $\frac{1}{2}$	2 $\frac{21}{32}$	7 $\frac{1}{4}$	-	2 $\frac{15}{64}$	1	7 $\frac{1}{4}$ -5 $\frac{1}{2}$ -7 $\frac{1}{4}$	1 $\frac{13}{16}$ x 4 $\frac{1}{2}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 10 $\frac{3}{4}$	
"	P.R.R.	4 $\frac{5}{8}$	5 $\frac{1}{8}$	2 $\frac{1}{2}$	2 $\frac{29}{32}$	6	-	2 $\frac{15}{64}$	1	6-6-6	1 $\frac{13}{16}$ x 4 $\frac{1}{2}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 10 $\frac{3}{4}$	
"	P.R.R.	4 $\frac{5}{8}$	5 $\frac{1}{8}$	2 $\frac{1}{2}$	2 $\frac{13}{32}$	4 $\frac{1}{2}$	-	2 $\frac{15}{64}$	1	4 $\frac{1}{2}$ -5-4 $\frac{1}{2}$	1 $\frac{13}{16}$ x 4 $\frac{1}{2}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 10 $\frac{3}{4}$	
"	P.R.R.	4 $\frac{5}{8}$	5 $\frac{1}{8}$	2 $\frac{1}{2}$	1 $\frac{29}{32}$	5	-	2 $\frac{15}{64}$	1	5-4-5	1 $\frac{13}{16}$ x 4 $\frac{1}{2}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 10 $\frac{3}{4}$	
90 L.V.	L.V.	5	5	2 $\frac{3}{4}$	1 $\frac{29}{32}$	4	4	2 $\frac{1}{16}$	1 $\frac{1}{16}$	4-4-4-4-4	7 $\frac{7}{8}$ x 4 $\frac{1}{8}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 8 $\frac{1}{2}$	
90 A.S.C.E.	L.V.	5 $\frac{3}{8}$	5 $\frac{3}{8}$	2 $\frac{5}{8}$	1 $\frac{29}{32}$	4	4	2 $\frac{11}{32}$	1 $\frac{1}{16}$	4-4-4-4-4	7 $\frac{7}{8}$ x 4 $\frac{1}{8}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E		
"	E.L.	5 $\frac{3}{8}$	5 $\frac{3}{8}$	2 $\frac{5}{8}$	2	7	-	2 $\frac{23}{64}$	1 $\frac{1}{8}$	7-4 $\frac{3}{8}$ -7	3 $\frac{3}{64}$ x 4 $\frac{1}{2}$	O	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	7 x 9	
"	C.N.J.	5 $\frac{3}{8}$	5 $\frac{3}{8}$	2 $\frac{5}{8}$	1 $\frac{15}{16}$	4	5	2 $\frac{45}{128}$	1 $\frac{1}{16}$	5-4-4-4-5	7 $\frac{7}{8}$ x 4 $\frac{3}{4}$	E	7 $\frac{7}{8}$ x 4 $\frac{1}{2}$	E	6 x 9 8 8 x 11	

All dimensions are in inches

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RAIL SECTION	FORMER R.R.	BASE	HEIGHT	HEAD WIDTH	RAIL DRILLING						BAR DRILLING <small>3 Dimensions = 4 Hole Bar 5 Dimensions = 6 Hole Bar</small>	STANDARD BOLT		PRESCRIBED BOLT		TIE PLATES  C = Canted Flat Plates Not Labeled
					RAIL END TO 1st BOLT HOLE	1st BOLT HOLE TO 2nd BOLT HOLE	2nd BOLT HOLE TO 3rd BOLT HOLE	3rd BOLT HOLE TO BASE OF RAIL	BASE OF RAIL TO 1st HOLE	DIAMETER OF BOLT HOLES		BOLT SIZE	NECK	BOLT SIZE	NECK	
													O-Oval E-Elliptical S-Square		O-Oval E-Elliptical S-Square	
90 A.S.C.E.	RDG.	5 <sup>3</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>15</sup> / <sub>16</sub>	4	5	2 <sup>45</sup> / <sub>128</sub>	1 <sup>1</sup> / <sub>16</sub>	5-4-4-4-5	7 <sup>7</sup> / <sub>8</sub> x 5 <sup>1</sup> / <sub>2</sub>	E	7 <sup>7</sup> / <sub>8</sub> x 5	E	7 x 10 ; 8 x 12 8 7 x 10 <sup>1</sup> / <sub>2</sub>	
"	RDG.	5 <sup>3</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>8</sub>	2 <sup>7</sup> / <sub>16</sub>	7	—	2 <sup>45</sup> / <sub>128</sub>	1 <sup>3</sup> / <sub>16</sub>	7-5-7	1 x 5 <sup>1</sup> / <sub>2</sub>	E	1 x 5 <sup>1</sup> / <sub>2</sub>	E	7 x 10 ; 8 x 12 8 7 x 10 <sup>1</sup> / <sub>2</sub>	
90 DY	N.Y.C.	5	5 <sup>1</sup> / <sub>2</sub>	2 <sup>21</sup> / <sub>32</sub>	2.75	5.6	5.6	2 <sup>3</sup> / <sub>8</sub>	1	5.6-5.6-5.6-5.6-5.6	1 <sup>13</sup> / <sub>16</sub> x 4 <sup>3</sup> / <sub>4</sub>	E&S	7 <sup>7</sup> / <sub>8</sub> x 4 <sup>1</sup> / <sub>2</sub>	E	7 x 11	
90 ARA-A	E.L.	5 <sup>1</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	2 <sup>9</sup> / <sub>16</sub>	2	7	—	2 <sup>37</sup> / <sub>64</sub>	1 <sup>1</sup> / <sub>8</sub>	7-4 <sup>3</sup> / <sub>16</sub> -7	1 <sup>3</sup> / <sub>64</sub> x 4 <sup>3</sup> / <sub>4</sub>	O	1 x 5	E	7 x 9	
90 ARA-B	E.L.	4 <sup>49</sup> / <sub>64</sub>	5 <sup>17</sup> / <sub>64</sub>	2 <sup>9</sup> / <sub>16</sub>	2	7	—	2 <sup>11</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>8</sub>	7-4 <sup>1</sup> / <sub>8</sub> -7	1 <sup>3</sup> / <sub>64</sub> x 5 <sup>1</sup> / <sub>4</sub>	O	1 x 5	E	7 x 9	
91 D.L.8W	E.L.	5 <sup>3</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	2	4 <sup>3</sup> / <sub>4</sub>	4 <sup>3</sup> / <sub>4</sub>	2 <sup>17</sup> / <sub>64</sub>	1 <sup>1</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>4</sub> -4 <sup>3</sup> / <sub>4</sub> -4 <sup>1</sup> / <sub>8</sub> -4 <sup>3</sup> / <sub>4</sub> -4 <sup>3</sup> / <sub>4</sub>	1 <sup>5</sup> / <sub>16</sub> x 5 <sup>1</sup> / <sub>8</sub>	O	1 x 5	E	7 x 10 <sup>3</sup> / <sub>8</sub> 8 7 x 9 <sup>5</sup> / <sub>8</sub>	
100 N.Y.N.H.	N.H.	5 <sup>1</sup> / <sub>2</sub>	6	2 <sup>3</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>8</sub>	7	—	2 <sup>39</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>32</sub>	7-5-7	7 <sup>7</sup> / <sub>8</sub> x 5 <sup>1</sup> / <sub>4</sub>	E	7 <sup>7</sup> / <sub>8</sub> x 5	E	8 x 10 <sup>1</sup> / <sub>2</sub> C	
100 A.S.C.E.	P.R.R.	5 <sup>3</sup> / <sub>4</sub>	5 <sup>3</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>4</sub>	2 <sup>13</sup> / <sub>32</sub>	5	—	2 <sup>65</sup> / <sub>128</sub>	1 <sup>3</sup> / <sub>16</sub>	5-5-5	1 x 4 <sup>3</sup> / <sub>4</sub>	E	1 x 5	E	7 x 10 <sup>3</sup> / <sub>4</sub>	
100 DY	N.Y.C.	5 <sup>1</sup> / <sub>2</sub>	6	3	2.75	5.6	5.6	2 <sup>5</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	5.6-5.6-5.6-5.6-5.6	1 <sup>15</sup> / <sub>16</sub> x 5 <sup>1</sup> / <sub>4</sub>	S	7 <sup>7</sup> / <sub>8</sub> x 5	E	7 x 11	
100 RDG	RDG.	5 <sup>3</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	2 <sup>21</sup> / <sub>32</sub>	2 <sup>7</sup> / <sub>16</sub>	7	—	2 <sup>63</sup> / <sub>128</sub>	1 <sup>3</sup> / <sub>16</sub>	7-5-7	1 x 5 <sup>1</sup> / <sub>2</sub>	E	1 x 5 <sup>1</sup> / <sub>2</sub>	E	7 x 10 ; 8 x 12 8 7 x 10 <sup>1</sup> / <sub>2</sub>	
"	RDG.	5 <sup>3</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	2 <sup>21</sup> / <sub>32</sub>	1 <sup>15</sup> / <sub>16</sub>	4	5	2 <sup>63</sup> / <sub>128</sub>	1 <sup>1</sup> / <sub>16</sub>	5-4-4-4-5	1 x 5 <sup>1</sup> / <sub>2</sub>	E	1 x 5 <sup>1</sup> / <sub>2</sub>	E	7 x 10 ; 8 x 12 8 7 x 10 <sup>1</sup> / <sub>2</sub>	
100 ARA-A	C.N.J.	5 <sup>1</sup> / <sub>2</sub>	6	2 <sup>3</sup> / <sub>4</sub>	2 <sup>11</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>2</sub>	—	2 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub> -5 <sup>1</sup> / <sub>2</sub> -6 <sup>1</sup> / <sub>2</sub>	1 x 5 <sup>1</sup> / <sub>4</sub>	E	1 x 5 <sup>1</sup> / <sub>2</sub>	E	7 <sup>1</sup> / <sub>2</sub> x 10 <sup>1</sup> / <sub>2</sub> 8 7 <sup>3</sup> / <sub>4</sub> x 10 <sup>1</sup> / <sub>2</sub>	
"	C.N.J.	5 <sup>1</sup> / <sub>2</sub>	6	2 <sup>3</sup> / <sub>4</sub>	1 <sup>15</sup> / <sub>16</sub>	4	5	2 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	5-4-4-4-5	1 x 5 <sup>1</sup> / <sub>4</sub>	E	1 x 5 <sup>1</sup> / <sub>2</sub>	E	7 <sup>1</sup> / <sub>2</sub> x 10 <sup>1</sup> / <sub>2</sub> 8 7 <sup>3</sup> / <sub>4</sub> x 10 <sup>1</sup> / <sub>2</sub>	
"	L.V.	5 <sup>1</sup> / <sub>2</sub>	6	2 <sup>3</sup> / <sub>4</sub>	1 <sup>29</sup> / <sub>32</sub>	4	4	2 <sup>3</sup> / <sub>4</sub>	1 <sup>3</sup> / <sub>16</sub>	4-4-4-4-4	1 x 5 <sup>1</sup> / <sub>16</sub>	E	1 x 5	E	8 x 10 <sup>3</sup> / <sub>8</sub> C	
"	E.L.	5 <sup>1</sup> / <sub>2</sub>	6	2 <sup>3</sup> / <sub>4</sub>	2	7	—	2 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>8</sub>	7-4 <sup>3</sup> / <sub>16</sub> -7	1 <sup>3</sup> / <sub>64</sub> x 5	E	1 x 5	E	7 x 10 C	
100 ARA-B	RDG.	5 <sup>9</sup> / <sub>64</sub>	5 <sup>41</sup> / <sub>64</sub>	2 <sup>21</sup> / <sub>32</sub>	2 <sup>7</sup> / <sub>16</sub>	7	—	2 <sup>65</sup> / <sub>128</sub>	1 <sup>3</sup> / <sub>16</sub>	7-5-7	1 x 5 <sup>1</sup> / <sub>2</sub>	E	1 x 5 <sup>1</sup> / <sub>2</sub>	E	7 x 10 ; 8 x 12 8 7 x 10 <sup>1</sup> / <sub>2</sub>	
100 P.S.	P.R.R.	5	5 <sup>11</sup> / <sub>16</sub>	2 <sup>43</sup> / <sub>64</sub>	2 <sup>23</sup> / <sub>32</sub>	7 <sup>1</sup> / <sub>4</sub>	—	2 <sup>31</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>4</sub> -5 <sup>1</sup> / <sub>2</sub> -7 <sup>1</sup> / <sub>4</sub>	1 x 5 <sup>1</sup> / <sub>2</sub>	E	1 x 5 <sup>1</sup> / <sub>2</sub>	E	7 x 10 <sup>3</sup> / <sub>4</sub>	
"	P.R.R.	5	5 <sup>11</sup> / <sub>16</sub>	2 <sup>43</sup> / <sub>64</sub>	2 <sup>23</sup> / <sub>32</sub>	5 <sup>1</sup> / <sub>2</sub>	—	2 <sup>31</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>2</sub> -5 <sup>1</sup> / <sub>2</sub> -5 <sup>1</sup> / <sub>2</sub>	1 x 5 <sup>1</sup> / <sub>2</sub>	E	1 x 5 <sup>1</sup> / <sub>2</sub>	E	7 x 10 <sup>3</sup> / <sub>4</sub>	
"	P.R.R.	5	5 <sup>11</sup> / <sub>16</sub>	2 <sup>43</sup> / <sub>64</sub>	2 <sup>7</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>2</sub>	—	2 <sup>31</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>2</sub> -5-4 <sup>1</sup> / <sub>2</sub>	1 x 5 <sup>1</sup> / <sub>2</sub>	E	1 x 5 <sup>1</sup> / <sub>2</sub>	E	7 x 10 <sup>3</sup> / <sub>4</sub>	
100 P.R.R.	P.R.R.	5 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>2</sub>	2 <sup>13</sup> / <sub>16</sub>	1 <sup>29</sup> / <sub>32</sub>	5	—	2 <sup>9</sup> / <sub>32</sub>	1 <sup>3</sup> / <sub>16</sub>	5-4-5	1 x 4 <sup>3</sup> / <sub>4</sub>	E	1 x 5	E	7 x 10 <sup>3</sup> / <sub>4</sub>	
100 R.E.	E.L.	5 <sup>3</sup> / <sub>8</sub>	6	2 <sup>11</sup> / <sub>16</sub>	2	7	—			7-4 <sup>3</sup> / <sub>16</sub> -7	1 <sup>3</sup> / <sub>64</sub> x 4 <sup>3</sup> / <sub>4</sub>	E	1 x 5	E	7 x 10 C	

All dimensions are in inches

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# CONRAIL SYSTEM - RAIL SECTION DIMENSIONS AND DRILLING

RAIL SECTION	FORMER R.R.	BASE	HEIGHT	HEAD WIDTH	RAIL DRILLING					BAR DRILLING <small>3 Dimensions = 4 Hole Bar 5 Dimensions = 6 Hole Bar</small>	STANDARD BOLT		PRESCRIBED BOLT		TIE PLATES  C = Canted Flat Plates Not Labeled	
					RAIL END TO 1st BOLT HOLE	1st BOLT HOLE TO 2nd BOLT HOLE	2nd BOLT HOLE TO 3rd BOLT HOLE	3rd BOLT HOLE TO BASE OF RAIL	BASE OF RAIL TO 4th BOLT HOLE		DIAMETER OF BOLT HOLES	BOLT SIZE	NECK	BOLT SIZE		NECK
													O - Oval E - Elliptical S - Square			O - Oval E - Elliptical S - Square
101 D.L.&W.	E.L.	5 $\frac{3}{8}$	5 $\frac{7}{16}$	2 $\frac{3}{4}$	2	4 $\frac{3}{4}$	4 $\frac{3}{4}$	2 $\frac{3}{8}$	1 $\frac{1}{8}$	4 $\frac{3}{4}$ -4 $\frac{3}{4}$ -4 $\frac{1}{8}$ -4 $\frac{3}{4}$ -4 $\frac{3}{4}$	1 $\frac{5}{16}$ x 5 $\frac{1}{4}$	O	1 x 5 $\frac{1}{2}$	E	7 x 10 $\frac{5}{8}$ & 7 x 10 $\frac{3}{4}$	
105 D.L.&W.	E.L.	5 $\frac{3}{8}$	6	2 $\frac{3}{4}$	2	4 $\frac{3}{4}$	4 $\frac{3}{4}$	2 $\frac{21}{32}$	1 $\frac{3}{16}$	4 $\frac{3}{4}$ -4 $\frac{3}{4}$ -4 $\frac{1}{8}$ -4 $\frac{3}{4}$ -4 $\frac{3}{4}$	1 $\frac{1}{16}$ x 5 $\frac{3}{8}$	O	1 x 5 $\frac{1}{2}$	E	7 x 10 $\frac{5}{8}$ <sub>C</sub> ; 7 x 10 $\frac{3}{4}$ <sub>C</sub> ; 7 $\frac{1}{2}$ x 12 $\frac{3}{16}$ <sub>C</sub> & 7 $\frac{1}{2}$ x 13 $\frac{1}{2}$ <sub>C</sub>	
105 DY	N.Y.C.	5 $\frac{1}{2}$	6	3	2.75	5.6	5.6	2 $\frac{5}{8}$	1 $\frac{1}{16}$	5.6-5.6-5.6-5.6-5.6	1 $\frac{5}{16}$ x 5 $\frac{1}{4}$	E	7 $\frac{7}{8}$ x 5	E	7 $\frac{1}{2}$ x 13 C	
107 N.Y.N.H.&H.	N.H.	5 $\frac{1}{2}$	6 $\frac{1}{8}$	2 $\frac{3}{4}$	2 $\frac{3}{8}$	7	-	2 $\frac{47}{64}$	1 $\frac{3}{32}$	7-5-7	7 $\frac{7}{8}$ x 5 $\frac{1}{4}$	E	7 $\frac{7}{8}$ x 5	E	8 x 10 $\frac{1}{2}$ C	
110 L.V.	L.V.	5 $\frac{1}{2}$	6	2 $\frac{7}{8}$	1 $\frac{29}{32}$	4	4	2 $\frac{3}{4}$	1 $\frac{3}{16}$	4-4-4-4-4	1 x 5 $\frac{1}{16}$	E	1 x 5	E	8 x 9 $\frac{1}{2}$	
	E.L.	5 $\frac{1}{2}$	6 $\frac{1}{4}$	2 $\frac{25}{32}$	2	7	-	2 $\frac{3}{4}$	1 $\frac{3}{16}$	7-4 $\frac{3}{16}$ -7	1 $\frac{1}{16}$ x 5 $\frac{1}{4}$	O	1 x 5 $\frac{1}{2}$	E	7 $\frac{1}{2}$ x 10 $\frac{5}{8}$ & 7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ <sub>C</sub>	
"	E.L.	5 $\frac{1}{2}$	6 $\frac{1}{4}$	2 $\frac{25}{32}$	2	7	7	2 $\frac{3}{4}$	1 $\frac{3}{16}$	7-7-4 $\frac{3}{16}$ -7-7	1 $\frac{1}{16}$ x 5 $\frac{1}{4}$	O	1 x 5 $\frac{1}{2}$	E	7 $\frac{1}{2}$ x 10 $\frac{5}{8}$ & 7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ <sub>C</sub>	
"	E.L.	5 $\frac{1}{2}$	6 $\frac{1}{4}$	2 $\frac{25}{32}$	2 $\frac{3}{4}$	5 $\frac{5}{8}$	5 $\frac{5}{8}$	2 $\frac{5}{8}$	1 $\frac{3}{16}$	5 $\frac{5}{8}$ -5 $\frac{5}{8}$ -5 $\frac{5}{8}$ -5 $\frac{5}{8}$ -5 $\frac{5}{8}$	1 $\frac{1}{16}$ x 5 $\frac{3}{8}$	O	1 x 5 $\frac{1}{2}$	E	7 $\frac{1}{2}$ x 10 $\frac{5}{8}$ & 7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ <sub>C</sub>	
112 R.E.	N.Y.C.	5 $\frac{1}{2}$	6 $\frac{5}{8}$	2 $\frac{23}{32}$	2 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	2 $\frac{7}{8}$	1 $\frac{1}{8}$	6 $\frac{1}{2}$ -6 $\frac{1}{2}$ -5 $\frac{1}{8}$ -6 $\frac{1}{2}$ -6 $\frac{1}{2}$	1 x 5 $\frac{7}{8}$	O	1 x 6	E	7 $\frac{1}{2}$ x 13 C	
"	E.L.	5 $\frac{1}{2}$	6 $\frac{5}{8}$	2 $\frac{23}{32}$	2 $\frac{1}{4}$	7	7	3 $\frac{1}{32}$	1 $\frac{1}{8}$	7-7-4 $\frac{11}{16}$ -7-7	1 x 5 $\frac{3}{8}$	O	1 x 5 $\frac{1}{2}$	E	7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ <sub>C</sub> ; 7 $\frac{3}{4}$ x 13 & 7 $\frac{1}{2}$ x 13 $\frac{1}{2}$ <sub>C</sub>	
"	L.V.	5 $\frac{1}{2}$	6 $\frac{5}{8}$	2 $\frac{23}{32}$	2 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	2 $\frac{7}{8}$	1 $\frac{1}{8}$	6 $\frac{1}{2}$ -6 $\frac{1}{2}$ -5 $\frac{1}{8}$ -6 $\frac{1}{2}$ -6 $\frac{1}{2}$	1 x 6	O	1 x 6	E	7 $\frac{3}{4}$ x 14 C	
"	N.H.	5 $\frac{1}{2}$	6 $\frac{5}{8}$	2 $\frac{23}{32}$	2 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	2 $\frac{7}{8}$	1 $\frac{1}{8}$	6 $\frac{1}{2}$ -6 $\frac{1}{2}$ -5 $\frac{1}{8}$ -6 $\frac{1}{2}$ -6 $\frac{1}{2}$	1 x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{3}{4}$ x 11 C	
115 R.E.	N.H.	5 $\frac{1}{2}$	6 $\frac{5}{8}$	2 $\frac{23}{32}$	3 $\frac{1}{2}$	6	6	2 $\frac{7}{8}$	1 $\frac{1}{8}$	6-6-7 $\frac{1}{8}$ -6-6	1 x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{3}{4}$ x 11 C	
"	E.L.	5 $\frac{1}{2}$	6 $\frac{5}{8}$	2 $\frac{23}{32}$	2 $\frac{1}{4}$	7	7	3 $\frac{1}{32}$	1 $\frac{1}{8}$	7-7-4 $\frac{11}{16}$ -7-7	1 x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{3}{4}$ x 13 & 7 $\frac{1}{2}$ x 13 $\frac{1}{2}$ <sub>C</sub>	

All dimensions are in inches

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# CONRAIL SYSTEM — RAIL SECTION DIMENSIONS AND DRILLING

All dimensions are in inches

RAIL SECTION	FORMER R.R.	BASE	HEIGHT	HEAD WIDTH	RAIL DRILLING						BAR DRILLING <small>3 Dimensions = 4 Hole Bar 5 Dimensions = 6 Hole Bar</small>	STANDARD BOLT		PRESCRIBED BOLT		TIE PLATES  C = Canted Flat Plates Not Labeled
					RAIL END TO 1st BOLT HOLE	1st BOLT HOLE TO 2nd BOLT HOLE	2nd BOLT HOLE TO 3rd BOLT HOLE	3rd BOLT HOLE TO BASE OF RAIL	BASE OF RAIL TO 1st BOLT HOLE	DIAMETER OF BOLT HOLES		BOLT SIZE	NECK	BOLT SIZE	NECK	
													O - Oval E - Elliptical S - Square		O - Oval E - Elliptical S - Square	
115 R.E.	N.Y.C.	5 1/2	6 5/8	2 23/32	2 1/2	6 1/2	6 1/2	2 7/8	1 1/8	6 1/2 - 6 1/2 - 5 1/8 - 6 1/2 - 6 1/2	1 x 5 1/4	O	1 x 5 1/2	E	7 1/2 x 13 C	
"	P.R.R.	5 1/2	6 5/8	2 23/32	3 1/2	6	6	2 7/8	1 1/8	6 - 6 - 7 1/8 - 6 - 6	1 x 5 1/2	E	1 x 5 1/2	E	7 3/4 x 14 C	
"	L.V.	5 1/2	6 5/8	2 23/32	3 1/2	6	6	2 7/8	1 1/8	6 - 6 - 7 1/8 - 6 - 6	1 x 5 3/4	O	1 x 6	E	7 3/4 x 14 C	
"	L8NE	5 1/2	6 5/8	2 23/32	3 1/2	6	-	2 7/8	1 3/16	6 - 7 1/8 - 6	1 x 5 1/2	E	1 x 5 1/2	E		
115 DY	N.Y.C.	5 1/2	6 1/2	3	2 3/4	5 5/8	5 5/8	2 7/8	1 1/8	5 5/8 - 5 5/8 - 5 5/8 - 5 5/8 - 5 5/8	1 5/16 x 5 1/4	E	7/8 x 5	E	7 1/2 x 13 C	
118 D.L-M	E.L.	5 3/8	6 1/2	2 7/8	2 1/2	6 1/2	6 1/2	2 27/32	1 1/8	6 1/2 - 6 1/2 - 5 1/8 - 6 1/2 - 6 1/2	1 x 5 3/8	O	1 x 5 1/2	E	7 x 10 5/8 ; 7 x 10 3/4 ; 7 1/2 x 12 3/16 ; 8 7/2 x 13	
118 D.L.8W.	E.L.	5 3/8	6 1/2	2 7/8	2	4 3/4	4 3/4	2 27/32	1 3/16	4 3/4 - 4 3/4 - 4 1/8 - 4 3/4 - 4 3/4	1 1/16 x 5 3/8	O	1 x 5 1/2	E	7 x 10 5/8 ; 7 x 10 3/4 ; 7 1/2 x 12 3/16 ; 8 7/2 x 12 7/16	
119 R.E.	P.C.	5 1/2	6 13/16	2 21/32	3 1/2	6	6	2 7/8	1 1/8	6 - 6 - 7 1/8 - 6 - 6	1 x 5 1/2	E	1 x 5 1/2	E	7 3/4 x 14 C	
125 P.S.	P.R.R.	5 1/2	6 1/2	3	2 21/32	7 1/2	-	2 3/4	5/16	7 1/2 - 5 1/2 - 7 1/2	1 1/8 x 6 1/4	E	1 1/8 x 6 1/4	E	7 x 10 3/4	
127 DY	N.Y.C.	6 1/4	7	3	2 3/4	5 5/8	5 5/8	3 1/8	1 1/8	5 5/8 - 5 5/8 - 5 5/8 - 5 5/8 - 5 5/8	1 5/16 x 5 1/2	O	7/8 x 5	E	7 1/2 x 13 C	
127 DY-M	N.Y.C.	6 1/4	7	3	3 1/2	6	6	3 1/8	1 1/8	6 - 6 - 7 1/8 - 6 - 6	1 x 5 3/8	O	1 x 5 1/2	E	7 1/2 x 13 C	
127 CWR	N.Y.C.	6 1/4	7	3	3 1/2	6	6	3 1/8	1 1/4	6 - 6 - 7 1/8 - 6 - 6	1 1/8 x 5 3/8	O	1 1/8 x 5 3/4	E	7 1/2 x 13 C	
130 P.S.	P.R.R.	5 1/2	6 5/8	3	2 23/32	6	7	2 3/4	1 5/16	7 - 6 - 5 1/2 - 6 - 7	1 1/8 x 6	E	1 1/8 x 6 1/4	E	7 3/4 x 14	
"	P.R.R.	5 1/2	6 5/8	3	2 23/32	7 1/2	-	2 3/4	1 5/16	7 1/2 - 5 1/2 - 7 1/2	1 1/8 x 6	E	1 1/8 x 6 1/4	E	7 3/4 x 14	
"	RDG.	5 1/2	6 5/8	3	2 7/16	7	-	2 3/4	1 5/16	7 - 5 - 7	1 1/8 x 6 1/4	E	1 1/8 x 6 1/4	E		
130 R.E.	N.H.	6	6 3/4	2 15/16	2 3/8	7	-	2 3/4	1 11/32	7 - 5 - 7	1 1/8 x 6 1/4	E	1 1/8 x 6 1/4	E	8 x 11 C	
"	RDG.	6	6 3/4	2 15/16	2 15/16	6	6	2 3/4	1 5/16	6 - 6 - 6 - 6 - 6	1 1/8 x 5 3/4	O	1 1/8 x 5 3/4	E	7 3/4 x 14 C	

# CONRAIL SYSTEM — RAIL SECTION DIMENSIONS AND DRILLING

All dimensions are in inches

RAIL SECTION	FORMER R.R.	BASE	HEIGHT	HEAD WIDTH	RAIL DRILLING					BAR DRILLING <small>3 Dimensions = 4 Hole Bar 5 Dimensions = 6 Hole Bar</small>	STANDARD BOLT		PRESCRIBED BOLT		TIE PLATES  C = Canted Flat Plates Not Labeled
					RAIL END TO 1st BOLT HOLE	1st BOLT HOLE TO 2nd BOLT HOLE	2nd BOLT HOLE TO 3rd BOLT HOLE	BASE OF RAIL TO 1st BOLT HOLE	DIAMETER OF BOLT HOLES		BOLT SIZE	NECK	BOLT SIZE	NECK	
												O - Oval E - Elliptical S - Square		O - Oval E - Elliptical S - Square	
130 R.E.	RDG.	6	6 $\frac{3}{4}$	2 $\frac{15}{16}$	2 $\frac{15}{16}$	6	-	2 $\frac{3}{4}$	1 $\frac{5}{16}$	6-6-6	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	7 $\frac{3}{4}$ x 14 C
"	C.N.J.	6	6 $\frac{3}{4}$	2 $\frac{15}{16}$	1 $\frac{15}{16}$	4	5	2 $\frac{3}{4}$	1 $\frac{3}{8}$	5-4-4-4-5	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	7 $\frac{1}{2}$ x 13 $\frac{3}{4}$ C
"	E.L.	6	6 $\frac{3}{4}$	2 $\frac{15}{16}$	2	4 $\frac{3}{4}$	4 $\frac{3}{4}$	3 $\frac{1}{16}$	1 $\frac{3}{16}$	4 $\frac{3}{4}$ -4 $\frac{3}{4}$ -4 $\frac{1}{8}$ -4 $\frac{3}{4}$ -4 $\frac{3}{4}$	1 $\frac{1}{16}$ x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{1}{2}$ x 12, 7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ , 7 $\frac{3}{4}$ x 13 & 7 $\frac{3}{4}$ x 16
"	E.L.	6	6 $\frac{3}{4}$	2 $\frac{15}{16}$	2	7	7	2 $\frac{3}{4}$	1 $\frac{3}{16}$	7-7-4 $\frac{3}{16}$ -7-7	1 $\frac{1}{16}$ x 6 $\frac{1}{8}$	O	1 x 6	E	7 $\frac{1}{2}$ x 12, 7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ , 7 $\frac{3}{4}$ x 13 & 7 $\frac{3}{4}$ x 16
130 HF-A	RDG.	C	6 $\frac{27}{32}$	2 $\frac{55}{64}$	2 $\frac{15}{16}$	6	-	2 $\frac{3}{4}$	1 $\frac{5}{16}$	6-6-6	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	7 $\frac{3}{4}$ x 13 C
130 HF-B	RDG.	6	6 $\frac{15}{16}$	2 $\frac{27}{32}$	2 $\frac{15}{16}$	6	-	2 $\frac{3}{4}$	1 $\frac{5}{16}$	6-6-6	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	7 $\frac{3}{4}$ x 13 C
"	RDG.	6	6 $\frac{15}{16}$	2 $\frac{27}{32}$	2 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	2 $\frac{3}{4}$	1 $\frac{3}{16}$	6 $\frac{1}{2}$ -6 $\frac{1}{2}$ -5 $\frac{1}{8}$ -6 $\frac{1}{2}$ -6 $\frac{1}{2}$	1 x 6 $\frac{1}{4}$	O	1 x 6	E	7 $\frac{3}{4}$ x 13 C
"	C.N.J.	6	6 $\frac{15}{16}$	2 $\frac{27}{32}$	2 $\frac{11}{16}$	6 $\frac{1}{2}$	7	2 $\frac{3}{4}$	1 $\frac{3}{8}$	7-6 $\frac{1}{2}$ -5 $\frac{1}{2}$ -6 $\frac{1}{2}$ -7	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	7 $\frac{3}{4}$ x 14 C
131 R.E.	P.R.R.	6	7 $\frac{1}{8}$	3	2 $\frac{23}{32}$	6	7	3 $\frac{1}{4}$	1 $\frac{5}{16}$	7-6-5 $\frac{1}{2}$ -6-7	1 $\frac{1}{8}$ x 5 $\frac{1}{2}$	E	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$	E	7 $\frac{3}{4}$ x 14 $\frac{3}{4}$ C
"	N.H.	6	7 $\frac{1}{8}$	3	2 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	3 $\frac{3}{32}$	1 $\frac{1}{8}$	6 $\frac{1}{2}$ -6 $\frac{1}{2}$ -5 $\frac{1}{8}$ -6 $\frac{1}{2}$ -6 $\frac{1}{2}$	1 x 6	E	1 x 6	E	7 $\frac{3}{4}$ x 12 C
"	L.V.	6	7 $\frac{1}{8}$	3	2 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	3 $\frac{3}{32}$	1 $\frac{1}{8}$	6 $\frac{1}{2}$ -6 $\frac{1}{2}$ -5 $\frac{1}{8}$ -6 $\frac{1}{2}$ -6 $\frac{1}{2}$	1 x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{1}{2}$ x 14 $\frac{3}{4}$ C
"	C.N.J.	6	7 $\frac{1}{8}$	3	2 $\frac{11}{16}$	6 $\frac{1}{2}$	7	3 $\frac{3}{32}$	1 $\frac{3}{8}$	7-6 $\frac{1}{2}$ -5 $\frac{1}{2}$ -6 $\frac{1}{2}$ -7	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$	E	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$	E	7 $\frac{3}{4}$ x 13 C
"	RDG.	6	7 $\frac{1}{8}$	3	2 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	3 $\frac{3}{32}$	1 $\frac{5}{16}$	6 $\frac{1}{2}$ -6 $\frac{1}{2}$ -5 $\frac{1}{8}$ -6 $\frac{1}{2}$ -6 $\frac{1}{2}$	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$	O	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$	E	7 $\frac{3}{4}$ x 14 C
"	E.L.	6	7 $\frac{1}{8}$	3	2 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	3 $\frac{3}{32}$	1 $\frac{1}{8}$	6 $\frac{1}{2}$ -6 $\frac{1}{2}$ -5 $\frac{1}{8}$ -6 $\frac{1}{2}$ -6 $\frac{1}{2}$	1 x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ , 7 $\frac{1}{2}$ x 12 $\frac{13}{16}$ , 7 $\frac{3}{4}$ x 13, 7 $\frac{1}{2}$ x 14 $\frac{3}{4}$ & 7 $\frac{3}{4}$ x 16
"	E.L.	6	7 $\frac{1}{8}$	3	2 $\frac{3}{8}$	5	5	3 $\frac{9}{32}$	1 $\frac{1}{8}$	5-5-4 $\frac{7}{8}$ -5-5	1 x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ , 7 $\frac{1}{2}$ x 12 $\frac{13}{16}$ , 7 $\frac{3}{4}$ x 13, 7 $\frac{1}{2}$ x 14 $\frac{3}{4}$ & 7 $\frac{3}{4}$ x 16
"	E.L.	6	7 $\frac{1}{8}$	3	2 $\frac{1}{4}$	7	7	3 $\frac{1}{4}$	1 $\frac{1}{8}$	7-7-4 $\frac{3}{8}$ -7-7	1 x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ , 7 $\frac{1}{2}$ x 12 $\frac{13}{16}$ , 7 $\frac{3}{4}$ x 13, 7 $\frac{1}{2}$ x 14 $\frac{3}{4}$ & 7 $\frac{3}{4}$ x 16
132 R.E.	N.H.	6	7 $\frac{1}{8}$	3	3 $\frac{1}{2}$	6	6	3 $\frac{3}{32}$	1 $\frac{1}{8}$	6-6-7 $\frac{1}{8}$ -6-6	1 x 5 $\frac{3}{4}$	E	1 x 6	E	7 $\frac{3}{4}$ x 12 & 7 $\frac{3}{4}$ x 14
"	E.L.	6	7 $\frac{1}{8}$	3	2 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	3 $\frac{3}{32}$	1 $\frac{1}{8}$	6 $\frac{1}{2}$ -6 $\frac{1}{2}$ -5 $\frac{1}{8}$ -6 $\frac{1}{2}$ -6 $\frac{1}{2}$	1 x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{3}{4}$ x 13, 7 $\frac{1}{2}$ x 14 $\frac{3}{4}$ & 7 $\frac{3}{4}$ x 16
"	E.L.	6	7 $\frac{1}{8}$	3	2 $\frac{1}{4}$	7	7	3 $\frac{1}{4}$	1 $\frac{1}{8}$	7-7-4 $\frac{11}{16}$ -7-7	1 x 5 $\frac{3}{4}$	O	1 x 6	E	7 $\frac{3}{4}$ x 13, 7 $\frac{1}{2}$ x 14 $\frac{3}{4}$ & 7 $\frac{3}{4}$ x 16
"	CR	6	7 $\frac{1}{8}$	3	3 $\frac{1}{2}$	6	6	3 $\frac{3}{32}$	1 $\frac{5}{16}$	6-6-7 $\frac{1}{8}$ -6-6	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$	E	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$	E	7 $\frac{3}{4}$ x 14 $\frac{3}{4}$ C

# CONRAIL SYSTEM - RAIL SECTION DIMENSIONS AND DRILLING

RAIL SECTION	FORMER R.R.	BASE	HEIGHT	HEAD WIDTH	RAIL DRILLING					BAR DRILLING <small>3 Dimensions = 4 Hole Bar 5 Dimensions = 6 Hole Bar</small>	STANDARD BOLT		PRESCRIBED BOLT		TIE PLATES  C = Canted Flat Plates Not Labeled	
					RAIL END TO 1st BOLT HOLE	1st BOLT HOLE TO 2nd BOLT HOLE	2nd BOLT HOLE TO 3rd BOLT HOLE	3rd BOLT HOLE TO BASE OF RAIL	BASE OF RAIL TO 1st BOLT HOLE		DIAMETER OF BOLT HOLES	BOLT SIZE	NECK	BOLT SIZE		NECK
													O - Oval E - Elliptical S - Square			O - Oval E - Elliptical S - Square
133 R.E.	P.R.R.	6	7 1/16	3	2 23/32	6	7	3	1 5/16	7-6-5 1/2-6-7	1/8 x 5 1/2	E	1/8 x 5 3/4	E	7 3/4 x 14 3/4 C	
135 C.N.J.	C.N.J.	6	6 1/2	3 5/32	1 15/16	4	5	2 27/32	1 1/4	5-4-4-4-5	1 x 5 1/2	E	1 x 5 1/2	E		
136 LV.(OLD)	L.V.	6 1/2	7	2 15/16	1 29/32	4	4	3 1/16	1 5/16	4-4-4-4-4	1/8 x 5 3/8	E	1/8 x 5 3/4	E	8 x 13 1/2 C 8 7 3/4 x 15 C	
136 LV.	L.V.	6 1/2	7	2 15/16	2 3/4	6 3/4	6 3/4	3 1/16	1 5/16	6 3/4-6 3/4-5 5/8-6 3/4-6 3/4	1/8 x 6 1/4	E	1/8 x 6 1/4	E	8 x 13 1/2 C 8 7 3/4 x 15 C	
136 LV.(NEW)	L.V.	6 1/2	7	2 15/16	1 29/32	4	4	3 1/16	1 5/16	4-4-4-4-4	1/8 x 6 1/4	E	1/8 x 6 1/4	E	7 3/4 x 15 C	
136 LV-M	L.V.	6 1/2	7	2 15/16	2 3/4	6 3/4	6 3/4	3 1/16	1 5/16	6 3/4-6 3/4-5 5/8-6 3/4-6 3/4	1/8 x 5 3/4	E	1/8 x 5 3/4	E	8 x 13 1/2 C 8 7 3/4 x 15 C	
136 LV-H	L.V.	6 1/2	7 3/8	2 15/16	2 3/4	6 3/4	6 3/4	3 1/4	1 5/16	6 3/4-6 3/4-5 5/8-6 3/4-6 3/4	1/8 x 6 1/4	E	1/8 x 6 1/4	E	8 x 13 1/2 C 8 7 3/4 x 15 C	
136 N.Y.C.	N.Y.C.	6 1/4	7 9/32	2 15/16	3 1/2	6	6	3 1/8	1 1/4	6-6-7 1/8-6-6	1/8 x 5 3/8	E	1/8 x 5 3/4	E	7 1/2 x 13 C	
140 R.E.	N.H.	6	7 5/16	3	3 1/2	6	6	3 3/32	1 3/16	6-6-7 1/8-6-6	1/8 x 6 1/4	E	1/8 x 6 1/4	E	7 3/4 x 12 C 8 7 3/4 x 14 C	
140 R.E.	N.H.	6	7 5/16	3	3 1/2	6	6	3 3/32	1 1/8	6-6-7 1/8-6-6	1 x 5 3/4	E	1 x 6	E	7 3/4 x 12 C 8 7 3/4 x 14 C	
"	C.N.J.	6	7 5/16	3	2 1/2	6 1/2	6 1/2	3 3/32	1 3/8	6 1/2-6 1/2-5 1/8-6 1/2-6 1/2	1/8 x 5 3/4	E	1/8 x 5 3/4	E		
"	L&N.E.	6	7 5/16	3	3 1/2	6	-	3 3/32	1 5/16	6-7 1/8-6	1/8 x 5 3/4	E	1/8 x 5 3/4	E		
"	RDG.	6	7 5/16	3	2 1/2	6 1/2	6 1/2	3 3/32	1 5/16	6 1/2-6 1/2-5 1/8-6 1/2-6 1/2	1/8 x 5 3/4	O	1/8 x 5 3/4	E	7 3/4 x 14 C	
"	P.C.	6	7 5/16	3	2 23/32	6	7	3	1 5/16	7-6-5 1/2-6-7	1/8 x 5 1/2	E	1/8 x 5 3/4	E	7 3/4 x 14 3/4 C	
"	E.L.	6	7 5/16	3	2 1/4	7	7	3 1/4	1 1/8	7-7-4 11/16-7-7	1 x 6	O	1 x 6	E	7 3/4 x 13 C 8 7 1/2 x 14 3/4 C	

All dimensions are in inches

3-79  
REV

# CONRAIL SYSTEM — RAIL SECTION DIMENSIONS AND DRILLING

RAIL SECTION	FORMER R.R.	BASE	HEIGHT	HEAD WIDTH	RAIL DRILLING						BAR DRILLING <small>3 Dimensions = 4 Hole Bar 5 Dimensions = 6 Hole Bar</small>	STANDARD BOLT		PRESCRIBED BOLT		TIE PLATES  C = Canted Flat Plates Not Labeled			
					RAIL END TO	1st BOLT HOLE	1st BOLT HOLE TO	2nd BOLT HOLE	2nd BOLT HOLE TO	3rd BOLT HOLE		BASE OF RAIL TO	OF BOLT HOLE	DIAMETER OF BOLT HOLES	BOLT SIZE		NECK	BOLT SIZE	NECK
																	O - Oval E - Elliptical S - Square		O - Oval E - Elliptical S - Square
152 PS.	P.R.R.	6 $\frac{3}{4}$	8	3	2 $\frac{23}{32}$	6	7	3 $\frac{3}{4}$	1 $\frac{5}{16}$	7-6-5 $\frac{1}{2}$ -6-7	1 $\frac{1}{8}$ x 5 $\frac{1}{2}$	E	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$	E	7 $\frac{3}{4}$ x 15 $\frac{1}{2}$ C				
155 PS.	P.R.R.	6 $\frac{3}{4}$	8	3	2 $\frac{23}{32}$	6	7	3 $\frac{3}{8}$	1 $\frac{5}{16}$	7-6-5 $\frac{1}{2}$ -6-7	1 $\frac{1}{8}$ x 5 $\frac{1}{2}$	E	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$	E	7 $\frac{3}{4}$ x 15 $\frac{1}{2}$ C				
<b>— GIRDER RAIL —</b>																			
128		6	7		2 $\frac{1}{2}$	4	4	2 $\frac{3}{4}$	1 $\frac{1}{8}$	4-4-5-4-4	1 x 5 $\frac{1}{2}$		1 x 5 $\frac{1}{2}$	E					
149		6	7		2 $\frac{1}{2}$	4	4	2 $\frac{3}{4}$	1 $\frac{1}{8}$	4-4-5-4-4	1 x 5 $\frac{1}{2}$		1 x 5 $\frac{1}{2}$	E					
159	P.R.R.	5 $\frac{3}{4}$	9		2 $\frac{3}{4}$	7 $\frac{1}{2}$	—	3 $\frac{3}{4}$	1 $\frac{3}{8}$	7 $\frac{1}{2}$ - 5 $\frac{1}{2}$ - 7 $\frac{1}{2}$	1 $\frac{1}{4}$ x 6 $\frac{1}{8}$	E	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	10 $\frac{3}{4}$ x 28				
174	P.R.R.	5 $\frac{3}{4}$	9		2 $\frac{3}{4}$	7 $\frac{1}{2}$	—	3 $\frac{3}{4}$	1 $\frac{3}{8}$	7 $\frac{1}{2}$ - 5 $\frac{1}{2}$ - 7 $\frac{1}{2}$	1 $\frac{1}{4}$ x 6 $\frac{1}{8}$	E	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$	E	10 $\frac{3}{4}$ x 28				

### NOTES

- 1 - When ordering bolts use the diameter and length indicated in the "Prescribed Bolt" column.
- 2 - The nominal diameter of a bolt is the diameter over the threaded portion not the body diameter.
- 3 - Catalog references for Prescribed Bolts are as follows:

7/8 x 4 $\frac{1}{2}$ - 01-226313	1 x 6 - 01-227790
7/8 x 5 - 01-226347	1 $\frac{1}{8}$ x 5 $\frac{3}{4}$ - 01-231537
1 x 5 - 01-227782	1 $\frac{1}{8}$ x 6 $\frac{1}{4}$ - 01-227840
1 x 5 $\frac{1}{2}$ - 01-229101	

9-80  
6-79  
3-79  
REV.