

TABLE OF RAIL SECTIONS - (DIMENSIONS IN INCHES)

| A                | B                         | C                               | D        | E        | F            | G        | H               | I          | J       | K               | L      | M       | N            | O        | P      | Q      | R           | S          | T          | U             | V           | W          | X           | Y                   | Z           | AA         | AB                 | AC                | AD                   | AE              | AF                | AG         | AH                | AI              | AJ                    | AK               | AL         |                  |            |   |
|------------------|---------------------------|---------------------------------|----------|----------|--------------|----------|-----------------|------------|---------|-----------------|--------|---------|--------------|----------|--------|--------|-------------|------------|------------|---------------|-------------|------------|-------------|---------------------|-------------|------------|--------------------|-------------------|----------------------|-----------------|-------------------|------------|-------------------|-----------------|-----------------------|------------------|------------|------------------|------------|---|
| WT. / YD.<br>LB. | TYPE                      | MANUFACTURER AND SECTION NUMBER |          |          |              |          |                 |            |         |                 |        |         |              |          |        |        | RAIL HEIGHT | BASE WIDTH | HEAD WIDTH | WEB THICKNESS | HEAD HEIGHT | WEB HEIGHT | BASE HEIGHT | BASE EDGE THICKNESS | HEAD RADIUS | WEB RADIUS | GAGE CORNER RADIUS | TOP FILLET RADIUS | BOTTOM FILLET RADIUS | HEAD SIDE SLOPE | HEAD BOTTOM ANGLE | BASE ANGLE | HEAD RADIUS WIDTH | WEB CENTER LINE | NEUTRAL AXIS DISTANCE | BOLT CENTER LINE | REFERENCE  |                  |            |   |
|                  |                           | U.S. STEEL                      | BETHELEM | ILLINOIS | OLD ILLINOIS | CARNEGIE | TENNESSE TC & I | LACKAWANNA | MIDVALE | COLORADO CF & I | INLAND | CAMBRIA | MARYL. PENN. | DOMINION | ALGOMA | SYDNEY | H           | B          | HD         | W             | HH          | WH         | BH          | T                   | RH          | RW         | R1                 | R2                | R3                   | S               | A1                | A2         | CH                | WC              | N                     | BC               |            |                  |            |   |
| 65               | MISC.                     |                                 |          |          | 6504         |          |                 |            |         |                 |        |         |              |          |        |        | 4 1/2       | 4 1/2      | 2 7/16     | 1/2           | 1 3/8       | 2 1/8      | 2 3/8       |                     |             |            |                    |                   |                      |                 |                   | 4°         | 13°               | 13°             |                       |                  |            | 1 7/8            | D          |   |
| 66               | MISC.                     |                                 |          |          |              |          |                 |            |         |                 |        |         |              |          |        |        | 4 13/32     | 4 7/16     | 2 13/32    | 1 5/32        | 1 17/32     | 2 1/8      | 3/4         |                     |             |            |                    |                   |                      |                 | CURV. 4 1/2" R    | 13°        | 13°               |                 |                       | 1 3/16           |            | H                |            |   |
|                  | NORTHERN PACIFIC          |                                 |          | 6602     |              | 6602     | 6602            | 547        |         |                 |        | 145     |              |          |        |        | 4 17/32     | 4 1/2      | 2 5/16     | 1 7/32        | 1 27/64     | 2 11/32    | 4 9/64      |                     | 12          | 12         | 1/4                | 1/4               | 1/4                  | VERT.           | 13°               | 13°        |                   |                 | 1 5/16                |                  | 1 5/16     | D, H, I          |            |   |
| 67               | MISC.                     | 6733                            |          | 6704     |              | 6704     | 6704            | 515        |         |                 |        |         |              |          |        |        | 4 1/2       | 4 1/2      | 2 13/32    | 1/2           | 1 5/8       | 2 1/8      | 3/4         | 1/8                 | 10          | 8          | 7/16               | 1/4               | 1/4                  | 1/16 TO 3/4     | 13°               | 13°        |                   |                 | 1 3/16                |                  | 1 3/16     | A, D, J          |            |   |
|                  | PA STL. CO. - MD STL. CO. |                                 |          |          |              |          |                 |            |         |                 |        | 2       |              |          |        |        | 4 1/2       | 4 1/2      | 2 3/8      | 1/2           | 1 21/32     | 2 7/64     | 4 7/64      | 1/8                 | 11          | 11         | 1 1/32             | 1/4               | 1/4                  | 5°              | 14°               | 13°        |                   |                 | 1 25/32               |                  | 1 25/32    | I                |            |   |
| 67.5             | RUSSIAN                   |                                 |          |          |              |          |                 |            | 587     |                 |        |         |              |          |        |        | 5 3/64      | 4 21/64    | 2 23/64    | 1 5/32        | 1 29/64     | 2 11/16    | 2 9/32      |                     |             |            |                    |                   |                      | VERT.           | 1 TO 3            | 1 TO 3     |                   |                 |                       |                  | 2 1/4      | D                |            |   |
| 68               | MISC.                     |                                 |          |          |              |          |                 |            |         |                 |        |         |              |          |        |        | 4 3/8       | 4 1/2      | 2 1/2      | 1/2           | 1 15/32     | 2 1/8      | 2 5/32      |                     |             |            |                    |                   |                      | 1/16 TO 1 1/16  | 13°               | 13°        |                   |                 | 1 27/32               |                  |            | H                |            |   |
|                  | PA STL. CO. - MD STL. CO. |                                 |          |          |              |          |                 |            |         |                 |        |         | 62           |          |        |        | 4 1/2       | 4 1/2      | 2 15/32    | 1/2           | 1 35/64     | 2 3/16     | 4 9/64      | 3/32                | 12          | 8          | 1/2                | 1/4               | 1/4                  | 6°              | 13°               | 13°        |                   |                 | 1 55/64               |                  | 1 55/64    | I                |            |   |
| 70               | ARA-A                     |                                 |          | 7020     |              | 7020     | 7020            | 7031       |         |                 |        |         |              |          |        |        | 4 3/4       | 4 1/4      | 2 3/8      | 1/2           | 1 11/32     | 2 1/2      | 2 9/32      |                     | 14          | 14         | 3/8                | 3/8               | 3/8                  | 1/16 TO 1       | 1 TO 4            | 1 TO 4     |                   |                 | 2 13/32               | 2.20             | 2 5/32     | C, E, J          |            |   |
|                  | ARA-B                     |                                 | 174      | 7030     |              | 7030     | 7030            | 7032       |         |                 |        |         |              |          |        |        | 4 35/64     | 4 3/64     | 2 3/8      | 33/64         | 1 23/64     | 2 17/64    | 5 9/64      |                     | 12          | 12         | 3/8                | 5/16              | 5/16                 | 3°              | 13°               | 13°        |                   |                 | 2 7/128               | 2.16             | 2 7/128    | C, D, E, J       |            |   |
|                  | ASCE                      | 7040                            | 70-AS    | 7040     | 7010         | 7040     | 7040            | 700        | 532     | 701             |        |         | 237          |          |        |        | 4 5/8       | 4 5/8      | 2 7/16     | 33/64         | 1 11/32     | 2 15/32    | 13/16       |                     | 12          | 12         | 5/16               | 1/4               | 1/4                  | VERT.           | 13°               | 13°        |                   |                 | 2 3/64                | 2.22             | 2 3/64     | A, C, D, E, I, J |            |   |
|                  | BANGOR & AROOSTOOK        |                                 | 70-BA    |          |              |          |                 |            | 703     |                 |        |         | 97           |          |        |        | 4 3/4       | 4 3/4      | 2 7/16     | 1/2           | 1 13/32     | 2 19/32    | 3/4         | 1/8                 | 12          | 12         | 1/4                | 1/4               | 1/4                  | VERT.           | 12°               | 12°        |                   |                 | 2 3/64                |                  | 2 3/64     | D, H, I          |            |   |
|                  | CHICAGO & ALTON           |                                 |          |          | 7002         |          |                 |            |         |                 |        |         |              |          |        |        | 4 3/8       | 4          | 2 35/96    | 35/64         | 1 17/24     | 1 11/12    | 3/4         |                     |             |            |                    |                   | 1/24 TO 5/16         | 12°             | 12°               |            |                   |                 |                       | 1 17/24          |            | 1 17/24          | D          |   |
|                  | PENNSYLVANIA              |                                 |          | 7033     | 7005         | 7033     | 7033            | 504        |         |                 |        | 57      |              |          |        | 4 1/2  | 4 1/2       | 2 7/16     | 1/2        | 1 19/32       | 2 1/8       | 2 5/32     | 9/64        | 10                  | 8           | 7/16       | 1/4                | 1/4               | 4°                   | 13°             | 13°               |            |                   | 1 27/32         |                       | 1 27/32          | D, E, H, I |                  |            |   |
| 72               | CAN. PAC. (SANDBERG)      |                                 |          |          |              |          |                 |            |         |                 |        |         |              |          |        |        | 4 15/16     | 4 1/2      | 2 1/4      | 1/2           | 1 5/8       | 2 25/64    | 5 9/64      |                     | 6           | VERT.      | 1/2                | 3/8               | 3/8                  | VERT.           | 15°               | 15°        |                   |                 |                       |                  | 2 15/128   |                  | 2 15/128   | N |
|                  | CHI. & NOR. WESTERN       | 7250                            | 72-NP    | 7250     | 7201         | 7250     | 7250            | 581        |         |                 |        |         |              |          |        |        | 4 3/4       | 4 3/4      | 2 3/8      | 9/16          | 1 13/32     | 2 1/2      | 2 7/32      |                     |             |            |                    |                   |                      | VERT.           | 14°               | 14°        |                   |                 | 2 3/32                |                  | 2 3/32     | A, D, E          |            |   |
|                  | SPOKANE INT'L. RY         |                                 |          |          |              |          |                 | 722        |         |                 |        |         |              |          |        |        | 4 45/64     | 4 5/8      | 2 7/16     | 33/64         | 1 27/64     | 2 15/32    | 13/16       |                     | 12          | 12         | 5/16               | 1/4               | 1/4                  | VERT.           | 13°               | 13°        |                   |                 | 2 3/64                | 2.25             | 2 3/64     | C                |            |   |
| 74               | PA STL. CO. - MD STL. CO. |                                 |          |          |              |          |                 |            |         |                 |        |         | 146          |          |        |        | 4 11/16     | 4 3/4      | 2 7/16     | 9/16          | 1 3/4       | 2 3/16     | 3/4         |                     | 15          | 15         | 3/8                | 5/16              | 5/16                 |                 |                   | 17°        | 13°               |                 |                       | 1 7/8            |            | 1 7/8            | I          |   |
| 75               | ASCE                      | 7540                            | 75-AS    | 7540     | 7506         | 7540     | 7540            | 750        | 529     | 753             |        |         | 214          |          |        |        | 4 13/16     | 4 13/16    | 2 15/32    | 1 7/32        | 1 27/64     | 2 35/64    | 2 7/32      |                     | 12          | 12         | 5/16               | 1/4               | 1/4                  | VERT.           | 13°               | 13°        |                   |                 | 2 15/128              | 2.30             | 2 15/128   | A, C, D, E, I, J |            |   |
|                  | BOSTON AND MAINE          |                                 | 92       |          |              |          |                 | 752        |         |                 |        |         | 92           |          |        |        | 5           | 5          | 2 1/2      | 9/16          | 1 7/16      | 2 47/64    | 5 3/64      |                     | 12          | STR.       | 1/4                | 1/4               | 1/4                  | VERT.           | 13°               | 13°        |                   |                 | STR.                  | 2.37             | 2 1/8      |                  | C, I       |   |
|                  | LACKAWANNA                |                                 | 75-C     |          |              |          |                 | 753        |         |                 |        |         |              |          |        |        | 4 11/16     | 5          | 2 1/2      | 1/2           | 1 43/64     | 2 13/64    | 13/16       |                     | 10 1/2      | 10         | 7/16               | 5/16              | 5/16                 | 1/16 TO 1       | 18°               | 12° 45'    |                   |                 | 1 117/128             | 2.24             | 1 117/128  | C, D             |            |   |
|                  | INT. & GRT. NOR           |                                 |          | 7551     |              | 7551     | 7551            |            |         |                 |        |         |              |          |        |        | 4 3/4       | 5          | 2 1/2      | 9/16          | 1 7/16      | 2 15/32    | 2 7/32      |                     |             |            |                    |                   |                      | VERT.           | 13°               | 13°        |                   |                 | 2 5/64                |                  |            | E, H             |            |   |
|                  | MISC.                     |                                 |          |          |              |          |                 |            |         |                 |        |         |              |          |        |        | 4 3/4       | 4 1/2      | 2 1/2      | 1/2           | 1 27/32     | 2 1/8      | 2 5/32      |                     |             |            |                    |                   |                      | 6°              | 13°               | 13°        |                   |                 | 1 27/32               |                  |            | H                |            |   |
|                  | MISSOURI PACIFIC          | 7550                            | 75-MP    | 7550     | 7512         | 7550     | 7550            | 754        | 528     |                 |        |         |              |          |        |        | 4 3/4       | 4 3/4      | 2 9/16     | 9/16          | 1 7/16      | 2 15/32    | 2 7/32      |                     | 12          | 30         | 3/8                | 1/4               | 1/4                  | VERT.           | 13°               | 13°        |                   |                 | 2 5/64                | 2.29             | 2 5/64     | A, C, D          |            |   |
|                  | NAT. RY. MEX.             |                                 | 128      |          |              |          |                 |            |         |                 |        |         |              |          |        |        | 5           | 5          | 2 3/4      | 1/2           | 1 3/8       | 2 7/8      | 3/4         |                     |             |            |                    |                   |                      | VERT.           | 12°               | 12°        |                   |                 |                       |                  | 2 3/16     |                  | D          |   |
|                  | N. Y. C. (DUDLEY)         |                                 |          |          |              |          |                 |            |         |                 |        |         |              |          |        |        | 5           | 4 3/4      | 2 5/8      | 1 7/32        | 1 3/8       | 2 3/4      | 7/8         | 9/32                | 14          | 14         | 1/4                | 1/2               | 5/16                 | 4°              | 14°               | 14°        |                   |                 |                       |                  | 2 1/8      |                  | N          |   |
|                  | PA STL. CO. - MD STL. CO. |                                 |          |          |              |          |                 |            |         |                 |        |         |              | 87       |        |        |             | 4 3/4      | 4 3/4      | 2 1/2         | 9/16        | 1 1/2      | 2 7/16      | 13/16               |             | 12         | VERT.              | 1/4               | 1/4                  | 1/4             | VERT.             | 13°        | 13°               |                 |                       | STR.             |            | 2 1/32           |            | I |
|                  |                           | SEABOARD (DUDLEY)               |          | 75-DY    | 7522         |          | 7522            | 7522       |         |                 |        |         |              | 221      |        |        |             | 5          | 5          | 2 9/16        | 1/2         | 1 3/8      | 2 3/4       | 7/8                 |             | 14         | 14                 | 5/16              | 1/2                  | 5/16            | 3°                | 14°        | 14°               |                 |                       | 2 5/8            |            | 2 1/4            | D, H, I, J |   |
|                  | UNION PACIFIC             |                                 | 75-B     | 7523     | 7513         | 7523     | 7523            |            |         | 754             |        |         | 249          |          |        |        | 5           | 5          | 2 9/16     | 33/64         | 1 3/8       | 2 13/16    | 13/16       |                     | 12          | 12         | 5/16               | 1/4               | 1/4                  | VERT.           | 13°               | 13°        |                   |                 | 2 5/8                 |                  | 2 1/4      | D, H, I, J       |            |   |
|                  | UNION PACIFIC             | 7524                            | 75-SP    | 7524     |              | 7524     | 7524            |            |         | 757             |        |         |              |          |        |        | 4 15/16     | 4 7/16     | 2 7/16     | 33/64         | 1 3/8       | 2 5/8      | 15/16       |                     | 14          | 14         | 3/8                | 3/8               | 3/8                  | 1/16 TO 1       | 1 TO 4            | 1 TO 4     |                   |                 | 2 1/2                 |                  | 2 1/4      | A, D, J          |            |   |
| 76               | PA STL. CO. - MD STL. CO. |                                 |          |          |              |          |                 |            |         |                 |        |         | 216          |          |        |        | 4 3/4       | 5          | 2 1/2      | 1/2           | 1 11/16     | 2 1/4      | 13/16       | 5/32                | 20          | VERT.      | 3/8                | 5/16              | 5/16                 |                 |                   | 14° 30'    | 12°               |                 |                       | STR.             |            | 1 5/16           |            | I |
| 77.5             | GREAT NORTHERN            |                                 |          |          | 77501        |          |                 | 775        |         |                 |        |         |              |          |        |        | 5           | 5          | 2 3/8      | 5/8           | 1 11/16     | 2 1/2      | 13/16       |                     |             |            |                    |                   | 5°                   | 14°             | 14°               |            |                   |                 |                       |                  | 2 1/16     |                  |            | D |
| 78               | OLD COLONY                |                                 | 78-OC    |          |              |          |                 |            |         |                 |        |         | 98           |          |        |        | 4 3/4       | 5          | 2 1/2      | 1 7/32        | 1 3/4       | 2 7/32     | 2 5/32      |                     | 12          | 12         | 3/8                | 7/16              | 7/16                 | 5°              | 14°               | 12° 15'    |                   |                 | 1 57/64               |                  |            | H, I             |            |   |