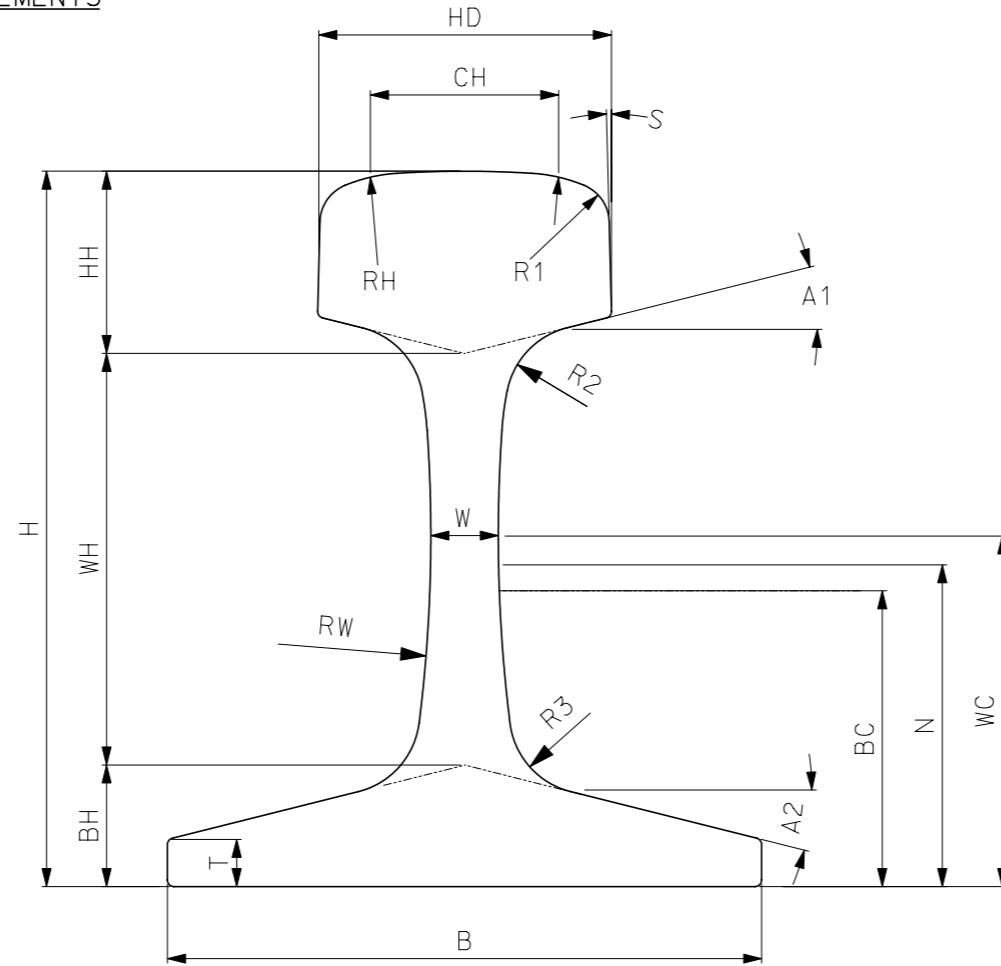


KEY TO RAIL SECTION MEASUREMENTS

- A1 - BOTTOM HEAD ANGLE
- A2 - BASE ANGLE
- B - BASE WIDTH
- BC - BOLT CENTER LINE
- BH - BASE HEIGHT
- CH - HEAD RADIUS WIDTH
- H - RAIL HEIGHT
- HD - HEAD WIDTH
- HH - HEAD HEIGHT
- N - NEUTRAL AXIS
- RH - HEAD RADIUS
- RW - WEB RADIUS
- R1 - GAGE CORNER RADIUS
- R2 - TOP FILLET RADIUS
- R3 - BOTTOM FILLET RADIUS
- S - HEAD SIDE SLOPE*
- T - BASE EDGE THICKNESS
- W - WEB THICKNESS
- WC - WEB CENTER LINE
- WH - WEB HEIGHT



KEY FOR REFERENCES:

- A - AREMA PLAN 1001-03
- B - AREMA PLAN 1004-03
- C - RAILS AND FASTENINGS 1916, LACKAWANNA STEEL CO.
- D - HANDBOOK OF RAILROAD TRACK STANDARDS (ARMY)
- E - 1948 RAILWAY ENGINEERING & MAINTENANCE CYCLOPEDIA
- F - D. WEMMER - SANTINA & THOMPSON
- G - AREMA VOLUME 1
- H - TABLE FROM DU-WEL STEEL
- I - RAILS AND ACCESSORIES - THE PA. STL. CO., MD STL. CO.
- J - RAILS 1914 CARNEGIE STEEL COMPANY
- K - CORRESPONDENCE FROM BETHLEHEM STEEL CORP.
- L - 1955 RAILWAY ENGINEERING & MAINTENANCE CYCLOPEDIA
- N - RAILWAY TRACK AND TRACK WORK, E.E. RUSSEL TRATMAN, 1897 AND 1909 EDITIONS
- O - ILLINOIS POCKET COMPANION, ILLINOIS STEEL, 1934
- P - CORRESPONDENCE, FROM ART WORTH, CANADIAN NATIONAL RAILWAY
- Q - SYDNEY STEEL CORP.

* ON HEAD FREE SECTIONS, THE BOTTOM OF THE HEAD IS NARROWER THAN THE TOP, THUS THE SIDE SLOPE IN THE OPPOSITE DIRECTION FROM STANDARD SECTIONS.

Note: RE refers to AREMA and its predecessor AREA.

**AMERICAN RAILWAY ENGINEERING
AND MAINTENANCE OF WAY ASSOCIATION**

**RAIL SECTIONS - IN USE SINCE ABOUT 1900
LIGHT DENSITY AND SHORT LINE RAILWAY**