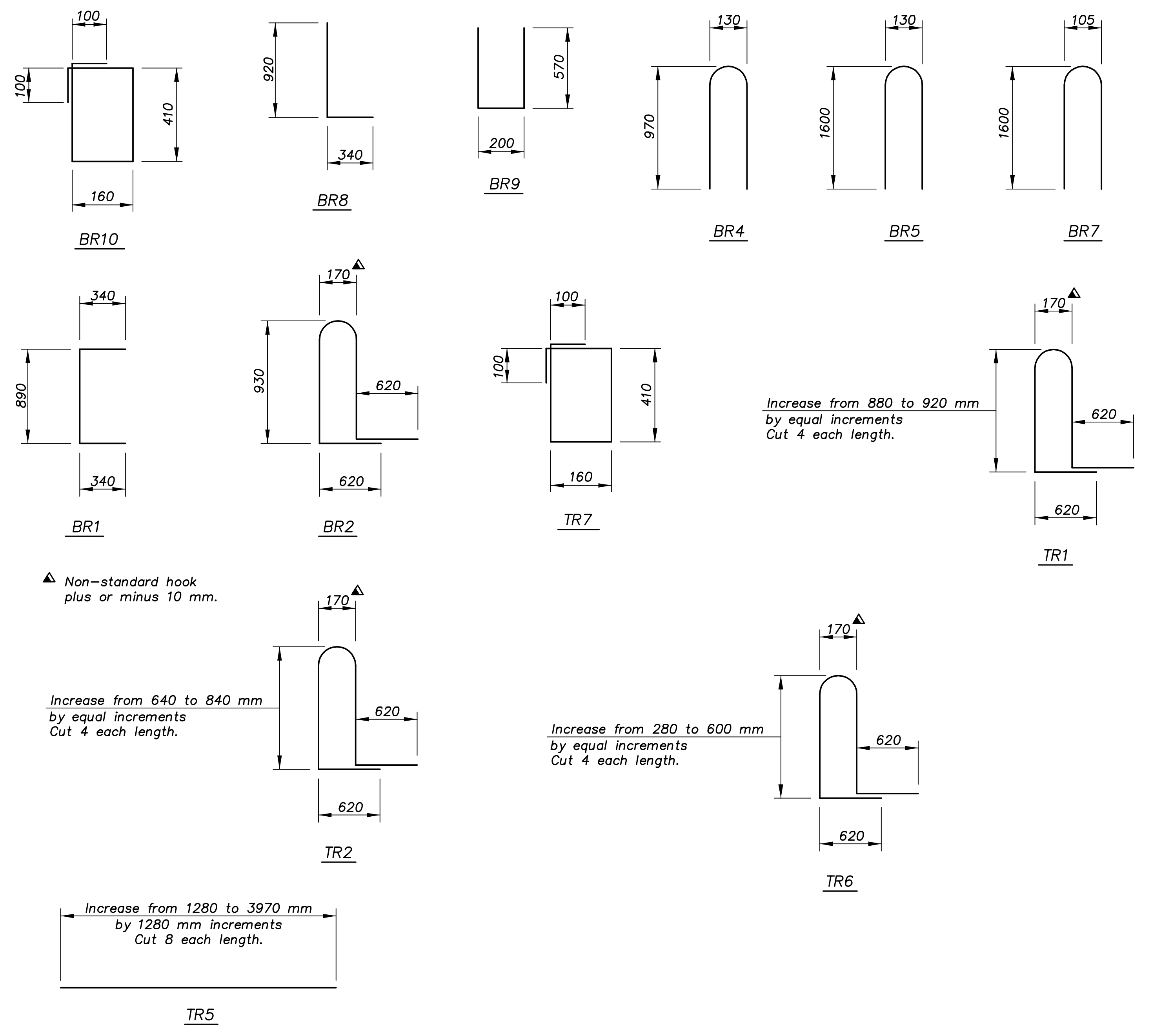


E.F. INDICATES EACH FACE.  
 N.F. INDICATES NEAR FACE.  
 F.F. INDICATES FAR FACE.


|        |                 |      |           |              |
|--------|-----------------|------|-----------|--------------|
| STATE  | PROJECT NO.     | YEAR | SHEET NO. | TOTAL SHEETS |
| KANSAS | 54-87 K-8258-07 | 2004 | 28        | 101          |

| BILL OF REINFORCING STEEL   |               |      |     |        |           |      |     |        |
|-----------------------------|---------------|------|-----|--------|-----------|------|-----|--------|
|                             | STRAIGHT BARS |      |     |        | BENT BARS |      |     |        |
|                             | MARK          | SIZE | NO. | LENGTH | MARK      | SIZE | NO. | LENGTH |
| Transition Rail Sections    | TR3           | 22   | 4   | 4940   | TR1       | 22   | 16  | Varies |
|                             |               |      |     |        | TR2       | 22   | 24  | Varies |
|                             | TR4           | 16   | 8   | 4900   |           |      |     |        |
|                             | TR5           | 16   | 24  | Varies | TR6       | 16   | 36  | Varies |
|                             |               |      |     |        | TR7       | 10   | 40  | 1340   |
| 815 mm Barrier Rail Section |               |      |     |        | BR3       | 19   | 36  | 13 280 |
|                             |               |      |     |        | BR1       | 22   | 4   | 1570   |
|                             |               |      |     |        | BR2       | 22   | 228 | 3150   |
|                             |               |      |     |        | BR4       | 16   | 8   | 2010   |
|                             |               |      |     |        | BR5       | 16   | 8   | 3270   |
|                             |               |      |     |        | BR7       | 13   | 4   | 3260   |
|                             |               |      |     |        | BR8       | 13   | 312 | 1260   |
|                             |               |      |     |        | BR9       | 10   | 384 | 1340   |
|                             |               |      |     |        | BR10      | 10   | 144 | 1340   |
|                             |               |      |     |        |           |      |     |        |

BENDING DIAGRAMS  
 NOTE: All dimensions are out to out of bars.



1:100  
 \MISC-DETAILS\BARRIER-SPECIAL

|   |        |  |                                |
|---|--------|--|--------------------------------|
| KANSAS DEPARTMENT OF TRANSPORTATION   |        | <br><b>Cook, Flatt &amp; Strobel</b><br>ENGINEERS, P.A. |                                |
| BILL OF REINFORCING STEEL<br>SPECIAL CONCRETE BARRIER RAIL<br>EASTERN STA. 50+000 (LT. & RT.) |        |  |                                |
| DESIGNED  | R.S.C. | SCALE  |                                |
| DETAILED  | T.R.G. | DATE   |                                |
| Proj. No. 54-87 K-8258-07   |        | SEDGWICK COUNTY  | QUANTITIES T.R.G. SHEET 4 OF 4 |