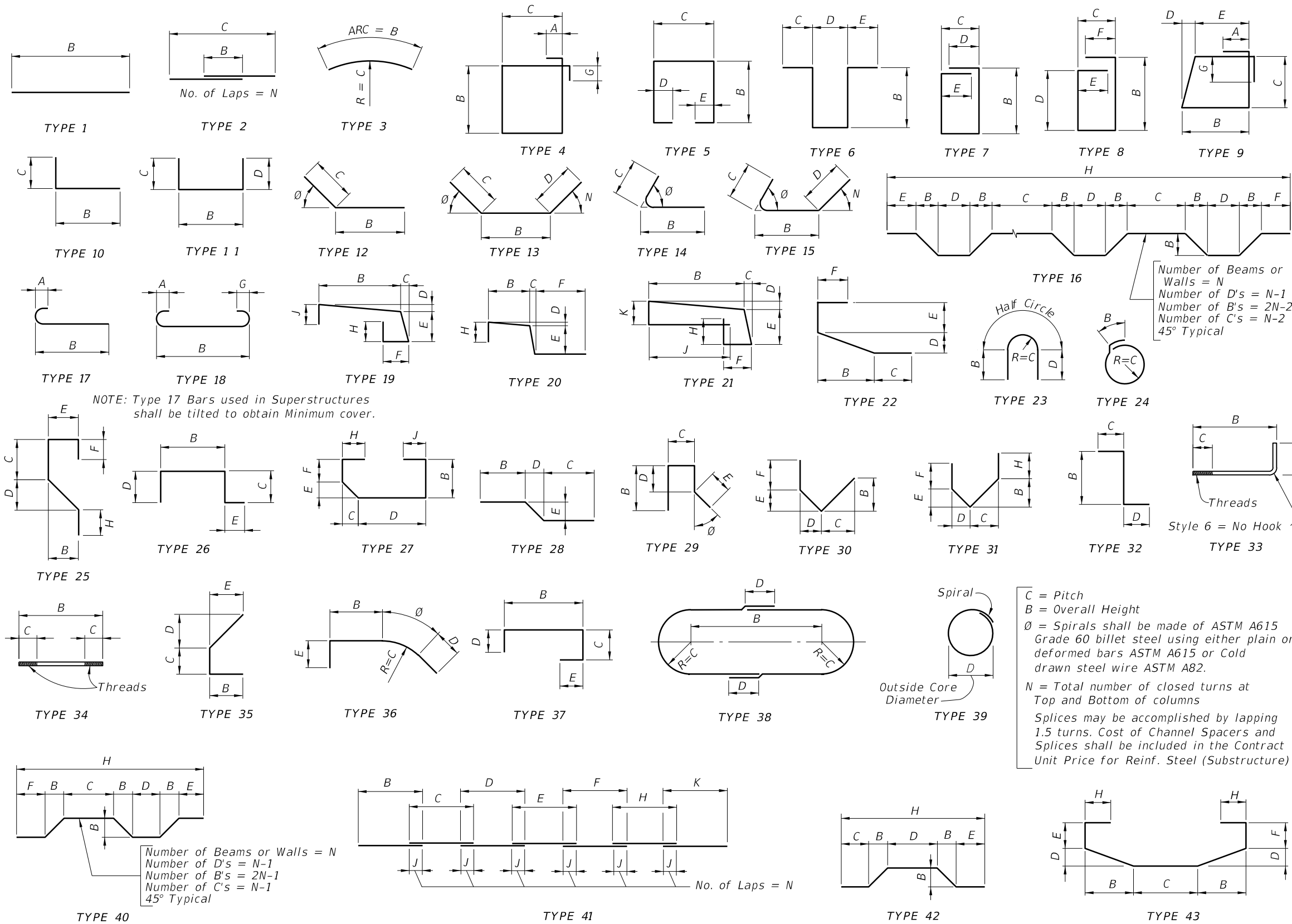


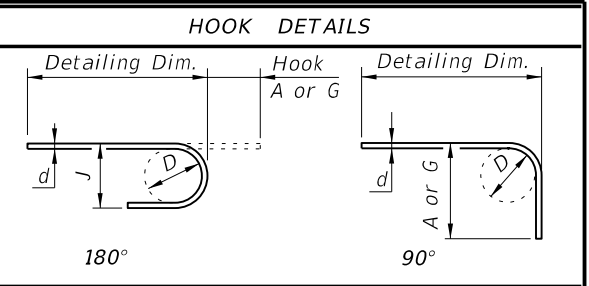
6/29/2012 1:11:58 PM rd960r/h C:\projects\standards\structures\2013book\21300-1of1.dgn



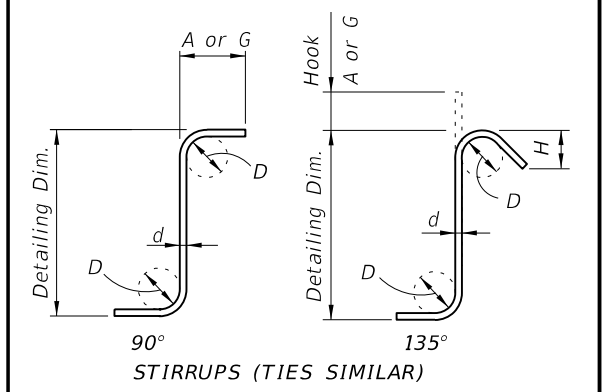
Number of Beams or Walls = N
 Number of D's = N-1
 Number of B's = 2N-2
 Number of C's = N-2
 45° Typical

C = Pitch
 B = Overall Height
 Ø = Spirals shall be made of ASTM A615 Grade 60 billet steel using either plain or deformed bars ASTM A615 or Cold drawn steel wire ASTM A82.
 N = Total number of closed turns at Top and Bottom of columns
 Splices may be accomplished by lapping 1.5 turns. Cost of Channel Spacers and Splices shall be included in the Contract Unit Price for Reinf. Steel (Substructure)

Number of Beams or Walls = N
 Number of D's = N-1
 Number of B's = 2N-1
 Number of C's = N-1
 45° Typical



| BAR SIZE | D | 180° HOOKS | | 90° HOOKS |
|----------|---------|------------|-----------|-----------|
| | | A OR G | J | A OR G |
| #3 | 2 1/4" | 5" | 3" | 6" |
| #4 | 3" | 6" | 4" | 8" |
| #5 | 3 3/4" | 7" | 5" | 10" |
| #6 | 4 1/2" | 8" | 6" | 1'-0" |
| #7 | 5 1/4" | 10" | 7" | 1'-2" |
| #8 | 6" | 11" | 8" | 1'-4" |
| #9 | 9 1/2" | 1'-3" | 11 3/4" | 1'-7" |
| #10 | 10 3/4" | 1'-5" | 1'-1 1/4" | 1'-10" |
| #11 | 12" | 1'-7" | 1'-2 3/4" | 2'-0" |
| #14 | 18 1/4" | 2'-3" | 1'-9 3/4" | 2'-7" |
| #18 | 24" | 3'-0" | 2'-4 1/2" | 3'-5" |
| STYLE | | 1 | | 3 |



| BAR SIZE | D | 90° HOOKS | | 135° HOOKS | |
|----------|--------|-----------|---------|------------|--------|
| | | A or G | A or G | A or G | H * |
| #3 | 1 1/2" | 4" | 4" | 4" | 2 1/2" |
| #4 | 2" | 4 1/2" | 4 1/2" | 4 1/2" | 3" |
| #5 | 2 1/2" | 6" | 5 1/2" | 5 1/2" | 3 3/4" |
| #6 | 4 1/2" | 1'-0" | 8" | 8" | 4 1/2" |
| #7 | 5 1/4" | 1'-2" | 9" | 9" | 5 1/4" |
| #8 | 6" | 1'-4" | 10 1/2" | 10 1/2" | 6" |
| STYLE | | 4 | | 5 | |

STYLE 6 = NO HOOK
 * Dimension is approximate.
 Hook Styles Detailed on this sheet are for Illustration Only.
 Actual Hook Style for any particular bar will be shown under A or G Heading on REINFORCING BAR LIST sheet(s) in Structures Plans.
 All Dimensions are out-to-out.

NOTE: For Bar Dimensions See REINFORCING BAR LIST Sheet(s) in Structures Plans.