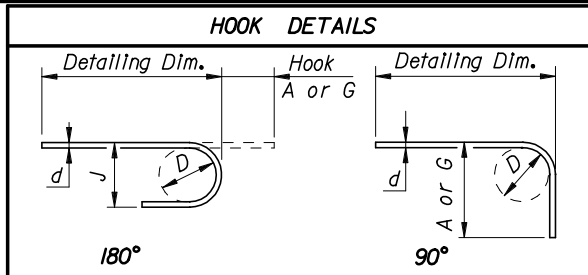
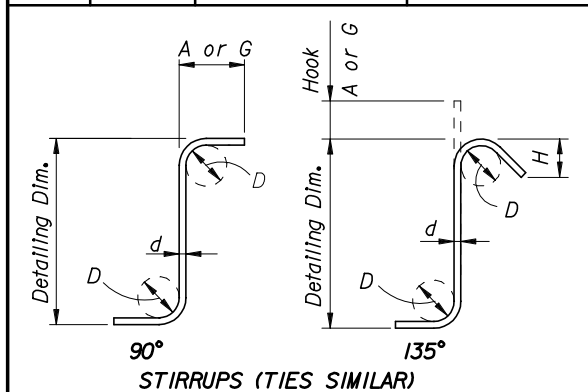


NOTE: Type 17 Bars used in Superstructures shall be tilted to obtain Minimum cover.

C = Pitch
 B = Overall Height
 ϕ = 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 (Substr.)



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	9/2"	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



RECOMMENDED STIRRUP & TIE HOOK DIMENSIONS

BAR SIZE	D	90° HOOKS		135° HOOKS	
		A or G	A or G	A or G	H*
#3	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.