

Origination Form

Proposed Revisions to a Standard Plans Index

Originator:	Turley, Joshua	Index Number:	415-001
Date:	4/18/2024	Sheet Number(s):	1
E-mail:	Joshua.Turley@dot.state.fl.us	Index Title:	BAR BENDING DETAILS (STEEL)

Summary of the changes:

Sheet 1: Updated Type 14 and 15 B and C dimensions. Updated Type 9 B and F dimensions. Added a radius to Type 9.

Commentary/Background:

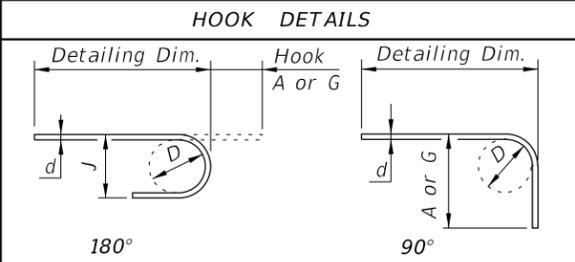
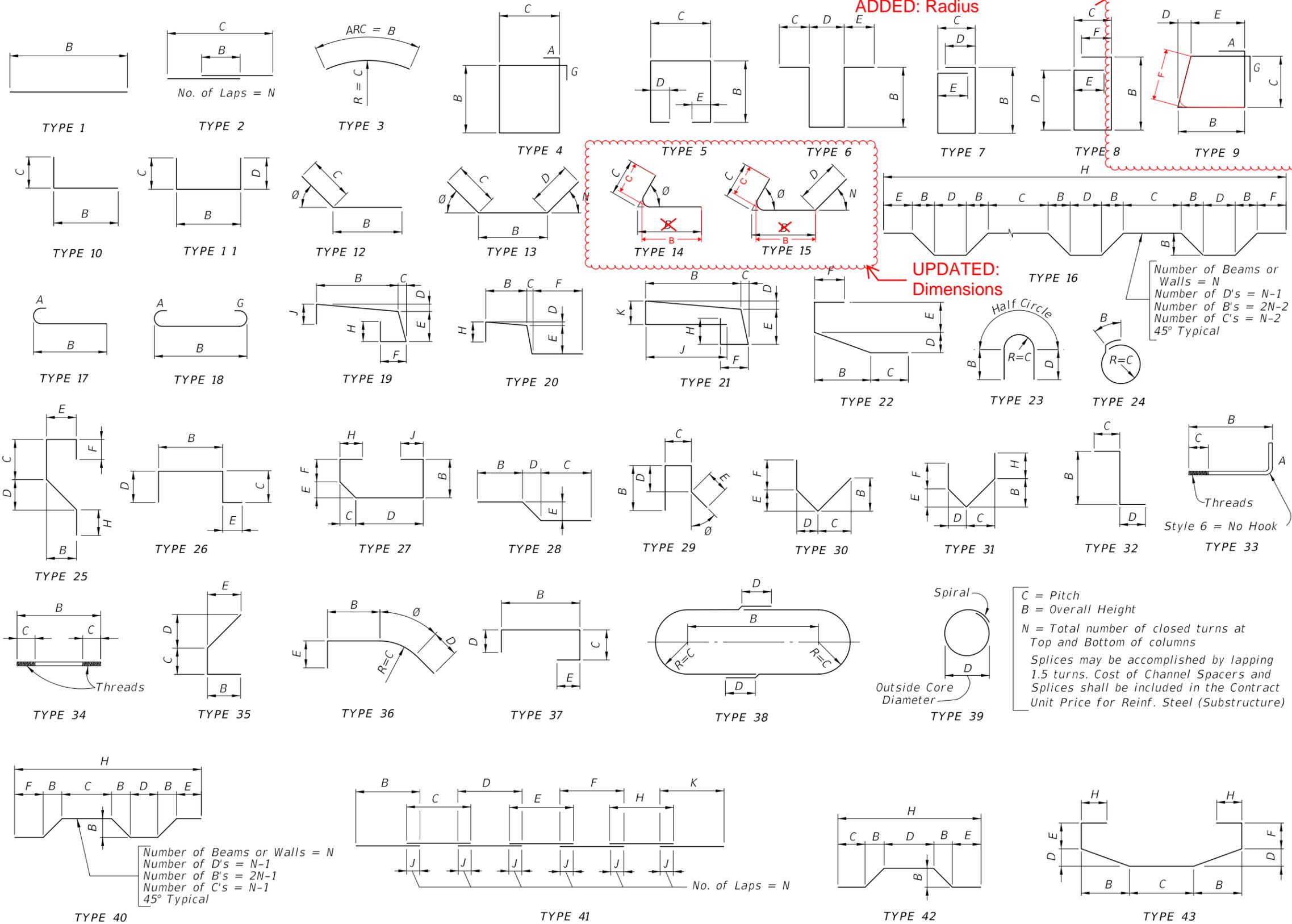
Detailer requested the change to make sure that the bars being bent would fit properly in the formwork.

Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans		No
Florida Design Manual		No
Standard Specifications		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

Implementation

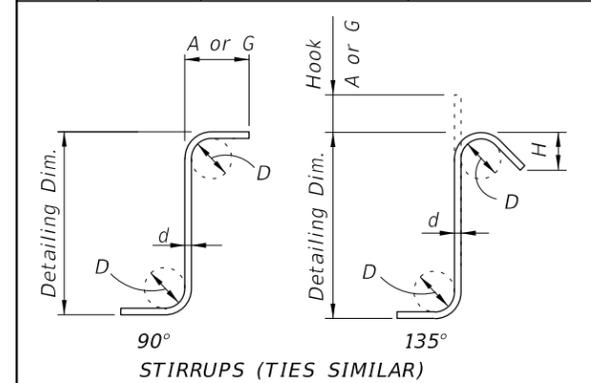
["FY-Standard Plans (Next Release)"]

UPDATED: Dimensions
ADDED: Radius



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

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



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	

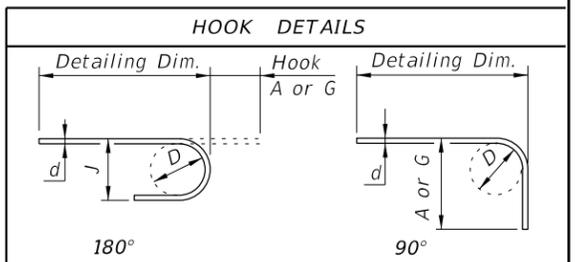
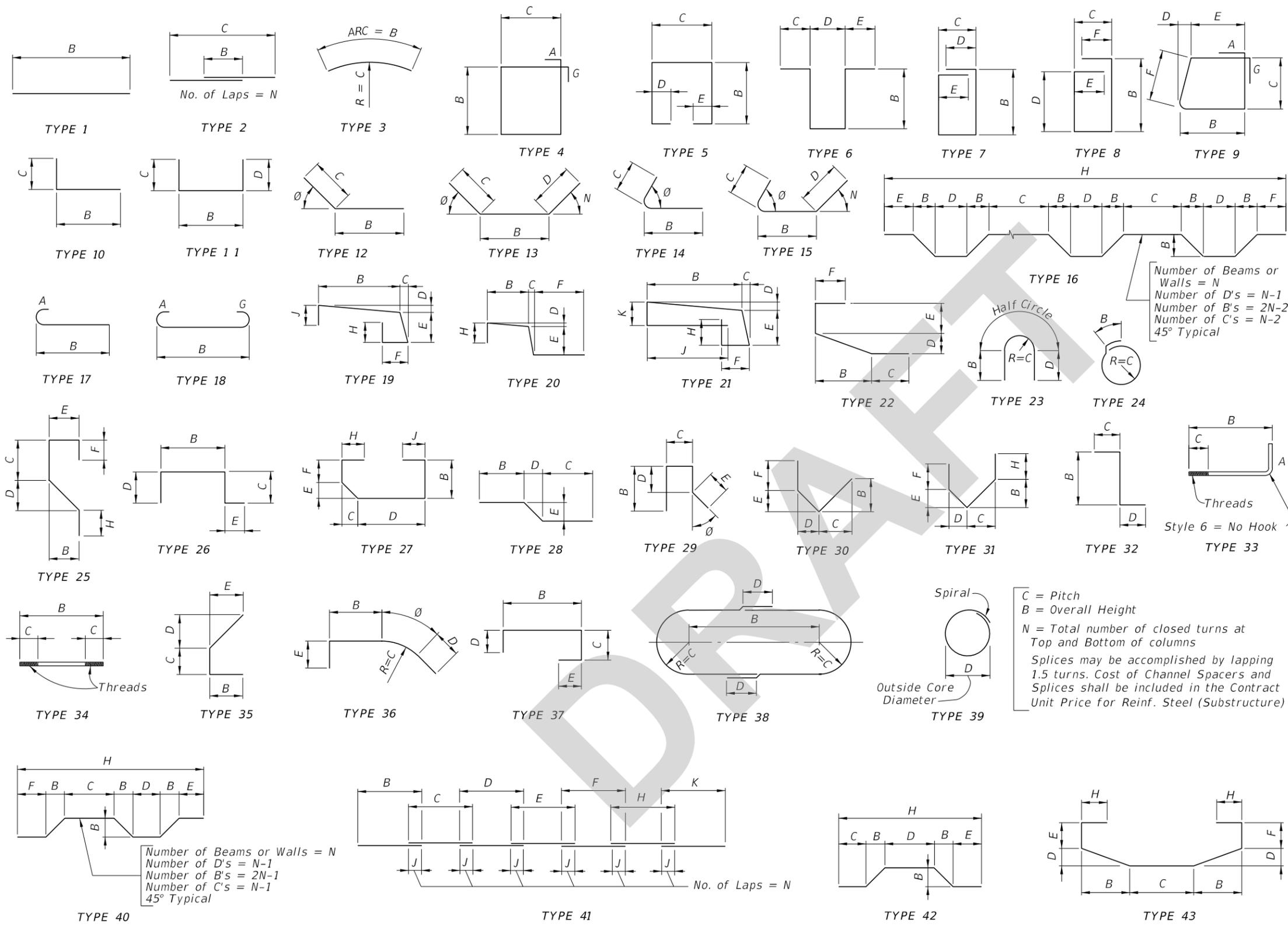
STYLE 6 = NO HOOK

* 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.

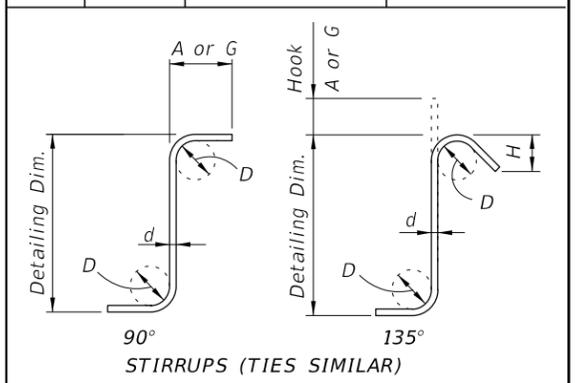
NOTE: For Bar Dimensions See REINFORCING BAR LIST Sheet(s) in Structures Plans.

10/15/2023 11:22:09 AM

LAST REVISION 11/01/20 11/01/24	DESCRIPTION:
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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



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

STYLE 6 = NO HOOK

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

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