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## ORIGINATION FORM

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Proposed Revisions to a Standard Plans Index  
(Please provide all information — Incomplete forms will be returned)

**Contact Information:**

Date: July 14, 2020

Originator: Cheryl Hudson

Phone: 414-5332

Email: cheryl.hudson@dot.state.fl.us

**Standard Plans:**

Index Number: 415-010

Sheet Number (s): 1

Index Title: Bar Bending Details (FRP)

**Summary of the changes:**

New

**Commentary / Background:**

Moved from Dev Pultruded FRP Bar Bending Diagram

**Other Affected Offices / Documents:** (Provide name of person contacted)

- | Yes                      | No                                  |                             |
|--------------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Standard Plans –      |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | FDOT Design Manual –        |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Basis of Estimates Manual – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Standard Specifications –   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Approved Product List –     |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Construction –              |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Maintenance –               |

**Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

- | Yes                      | N/A                                 |  |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Redline Mark-ups                         |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Revised SPI                              |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Support Documents                  |

**Implementation:**

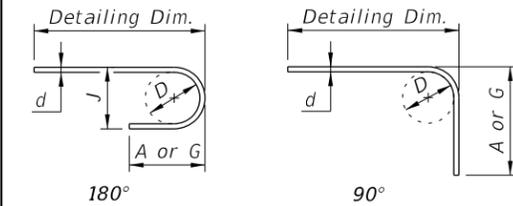
- Design Bulletin (Interim)
- DCE Memo
- Program Mgmt. Bulletin
- FY-Standard Plans (Next Release)

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Contact the Roadway Design Office for assistance in completing this form

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FRP REBAR HOOK DETAILS



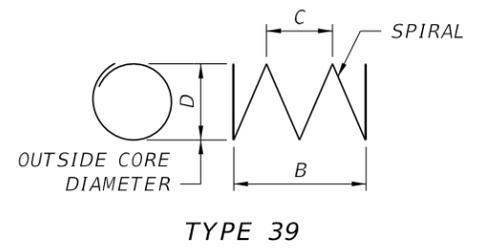
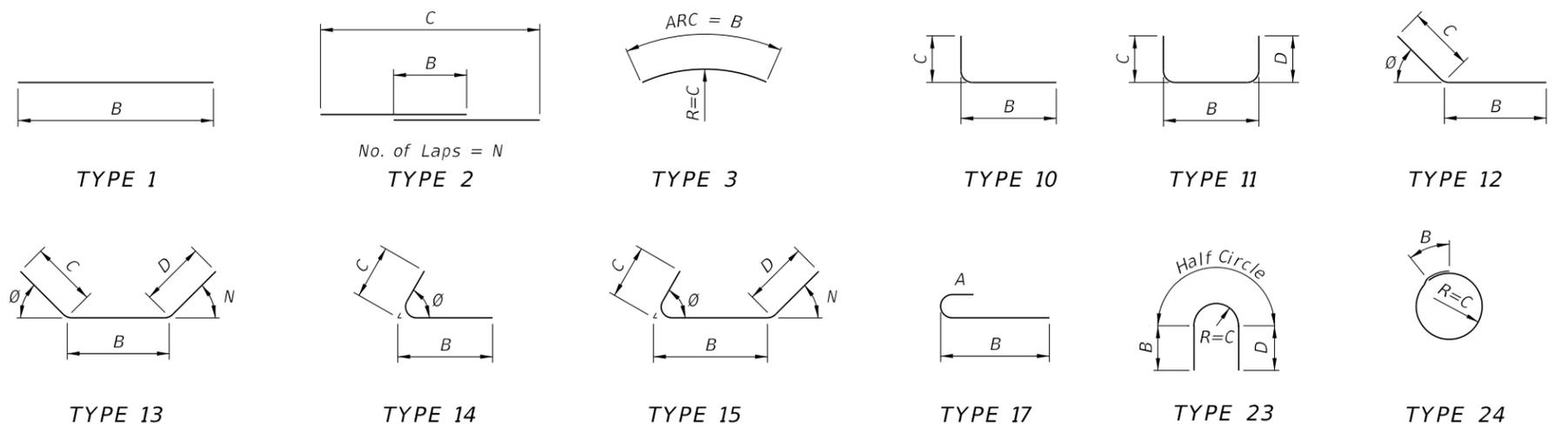
BAR SIZE	D	180° HOOKS		90° HOOKS
		A or G	J	A or G
#2	3"	4 1/2"	3 1/2"	4 3/4"
#3	4 1/2"	6 3/4"	5 1/4"	7 1/8"
#4	4 1/2"	8 1/4"	5 1/2"	8 3/4"
#5	4 1/2"	9 3/4"	5 3/4"	10 5/8"
#6	4 1/2"	11 1/2"	6"	1'-0"
#7	6"	1'-1 1/2"	7 3/4"	1'-2"
#8	6"	1'-3"	8"	1'-4"
STYLE		1		3

NOTES

**GENERAL**  
 All dimensions are out-to-out.  
 For Bar Dimensions See REINFORCING BAR LIST Sheet(s) in Structures Plans.

**SPIRALS (TYPE 39 BARS)**  
 C = Pitch  
 B = Overall Height  
 N = Total number of closed turns at Top and Bottom of spiral  
 Splices = 1.5 turns  
 Include spiral splice in the Contract Unit Price for FRP Reinforcing.

**HOOKS**  
 All dimensions are 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.

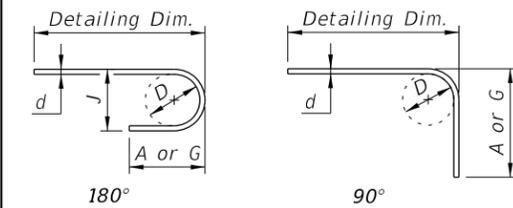


SINGLE BAR BENDING DETAILS

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FRP REBAR HOOK DETAILS



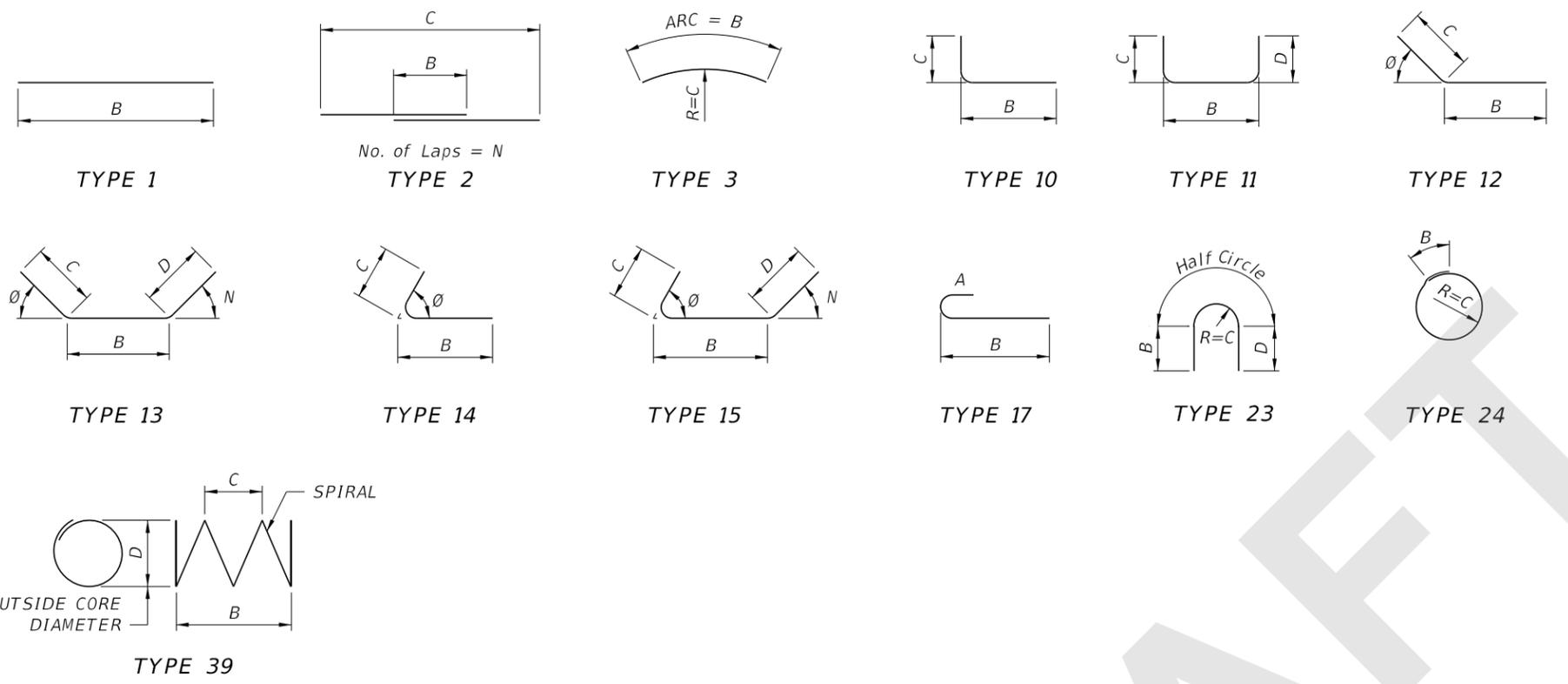
BAR SIZE	D	180° HOOKS		90° HOOKS
		A or G	J	A or G
#2	3"	4½"	3½"	4¾"
#3	4½"	6¾"	5¼"	7⅛"
#4	4½"	8¼"	5½"	8¾"
#5	4½"	9¾"	5¾"	10⅝"
#6	4½"	11½"	6"	1'-0"
#7	6"	1'-1½"	7¾"	1'-2"
#8	6"	1'-3"	8"	1'-4"
STYLE		1		3

NOTES

**GENERAL**  
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SINGLE BAR BENDING DETAILS

DRAFT

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