

## Appendix A—Approved Reinforcing Steel Producers

The ASTM specifications for billet-steel, low-alloy and low carbon chromium reinforcing bars (A615, A706 and A1035, respectively) require identification

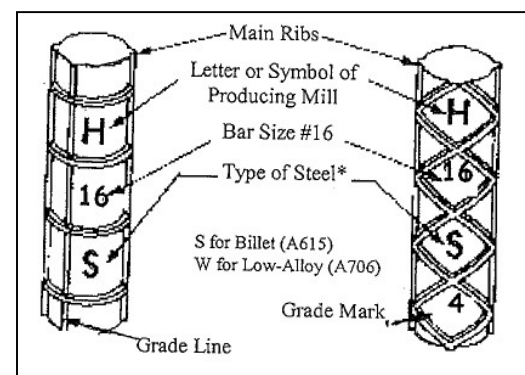
marks to be rolled into the surface of one side of the bar to denote the producer’s mill designation, bar size, type of steel and minimum yield designation. Grade 420 bars show these marks in the following order:

1<sup>st</sup> ---Producing Mill (usually a letter)

2<sup>nd</sup> --- Bar Size Number (# 4 through # 18)

3<sup>rd</sup> --- Type of Steel: **S** Billet (A 615)  
**W** for Low Alloy (A 706)  
**CM & CS** for Low Carbon Chromium (A1035)

4<sup>th</sup> ---Minimum Yield Designation



The minimum yield designation for Grade 420 bars is either one (1) single, longitudinal line (grade line) or the number 4 (grade mark). 60 for Grade 60, 80 for Grade 80, and 100 for grade 100.

A grade line is smaller and is located between the two main ribs, which are on opposite sides of all bars made in the United States. A grade line must be continued through at least 5 deformation spaces, and it may be placed on the side of the bar opposite the bar marks. A grade mark is the fourth mark on the bar.

**VARIATIONS:** Bar identification marks may also be oriented to read horizontally (90° to those illustrated). Grade numbers may be placed within consecutive deformation spaces to read vertically or horizontally.

The Identification marks for the Approved Producers are shown in the following figures. Rebar grades shown on these pages are for reference only. Check the specs for the appropriate requirements.



ASTM A615 Grade 60 Bar Sizes 4-18

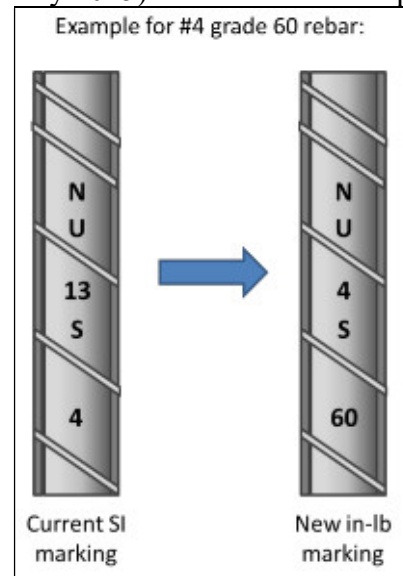


ASTM A706 Grade 60 Bar Sizes 4-18



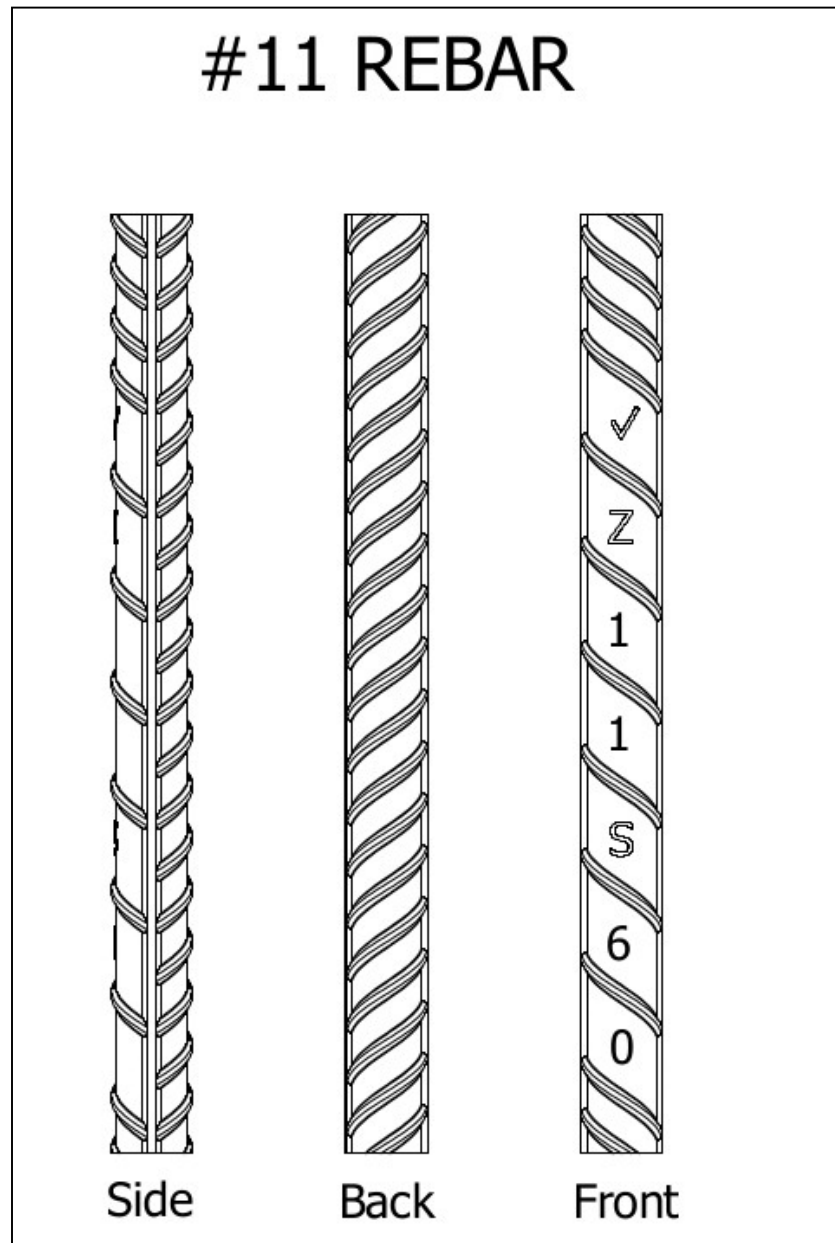
ASTM A706/A615 Grade 60 Bar Sizes 4-18

Vinton Steel-Vinton Texas ODOT # 1841









Nucor Steel Utah ODOT # 1112

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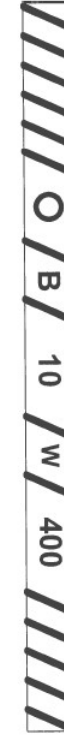



CMC Steel Mesa Arizona ODOT #4118

A615			A706		
Gr 60	Gr 75	Gr 80	Gr 60	Gr 80	A706/A615 Dual
					

Size: 4, 5, 6, 7, 8, 9, 10, 11, 14, 18

Nucor Steel Seattle Washington ODOT # 2935

745-G-100			
			
A615 Gr. 40	A615 Gr. 60	A615/A706 Gr. 60	A615/A706 Gr. 80
			
A615 Gr. 40	A615 Gr. 60	A615/A706 Gr. 60	A615/A706 Gr. 80
			
A615 Gr. 40	A615 Gr. 60	A615/A706 Gr. 60	A615/A706 Gr. 80
			
CSA-G30.18 Gr.400W	CSA-G30.18 Gr.400W		

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">1</td> <td style="width: 20%;">REVISION</td> <td style="width: 20%;">BY</td> <td style="width: 20%;">DATE</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	1	REVISION	BY	DATE					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">VENDOR</td> <td style="width: 50%;">OPTIMUS</td> </tr> <tr> <td>VENDOR DWG. NO.</td> <td>BEAUMONT, TEXAS MILL P.O. BOX 3869 BEAUMONT, TEXAS 77704 (409) 769-1947</td> </tr> </table>	VENDOR	OPTIMUS	VENDOR DWG. NO.	BEAUMONT, TEXAS MILL P.O. BOX 3869 BEAUMONT, TEXAS 77704 (409) 769-1947	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;">TITLE <b>Rebar Logo Finished Bar with "B"</b></td> </tr> <tr> <td style="width: 25%;">PROJECT NO.</td> <td style="width: 25%;">DWG. NO.</td> <td style="width: 25%;">REV.</td> <td style="width: 25%;">SHEET OF SHEETS</td> </tr> <tr> <td>Rebar</td> <td>745-G-100</td> <td>0</td> <td>1 of 1</td> </tr> </table>	TITLE <b>Rebar Logo Finished Bar with "B"</b>				PROJECT NO.	DWG. NO.	REV.	SHEET OF SHEETS	Rebar	745-G-100	0	1 of 1
1	REVISION	BY	DATE																							
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PROJECT NO.	DWG. NO.	REV.	SHEET OF SHEETS																							
Rebar	745-G-100	0	1 of 1																							

Optimus Beaumont Texas ODOT #4838

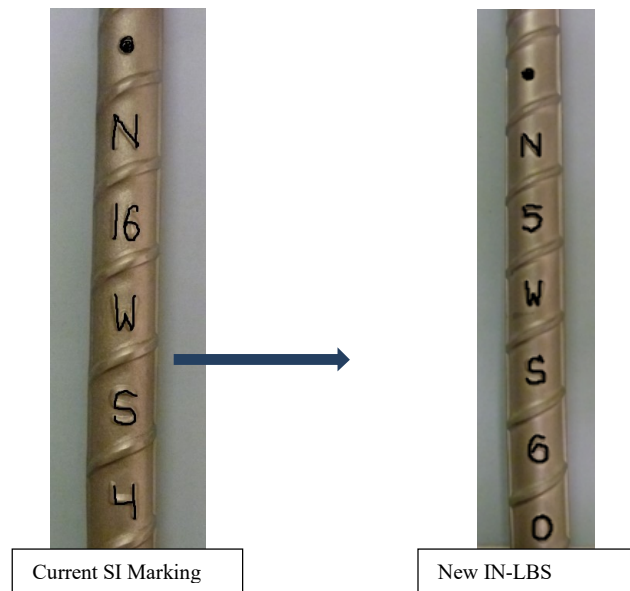
**Cascade Steel Rolling Mills, Inc.**  
(McMinnville, OR)



Cascade Steel Mc-Minnville Oregon  
ODOT # 1111

<b>S</b> GR 60		Bars #3 through #6 only	<b>S</b> GR 75		Bars #14 and #18 only
<b>W</b> GR 60		Bars #3 through #6 only	<b>S</b> GR 80		Bars #3 through #11 only
<b>W</b> GR 60		Bars #14 and #18 only	<b>S</b> GR 80		Bars #14 and #18 only
<b>SW</b> GR 60		Bars #3 through #11 only (#3 through #6 coiled)	<b>W</b> GR 80		Bars #3 through #11 only
<b>SW</b> GR 60		Bars #14 and #18 only	<b>W</b> GR 80		Bars #14 and #18 only
<b>S</b> GR 75		Bars #3 through #11 only (#3 through #6 coiled)	<b>SW</b> GR 80		Bars #3 through #6 coiled

Note: Rebar in sizes #3, #4, #5, and #6 may have dash marks in the fields above the C.

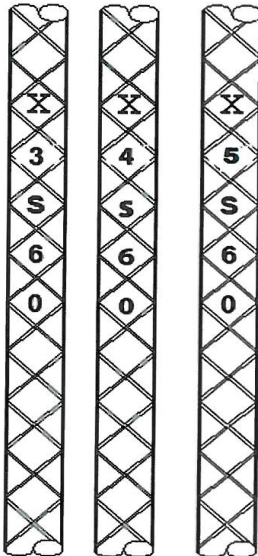
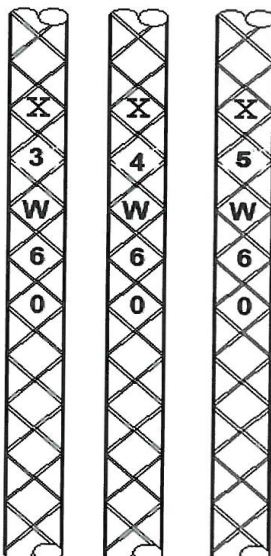
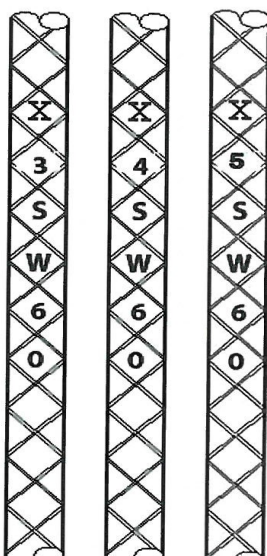
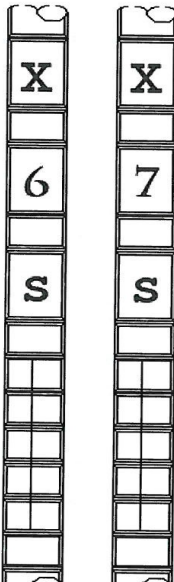
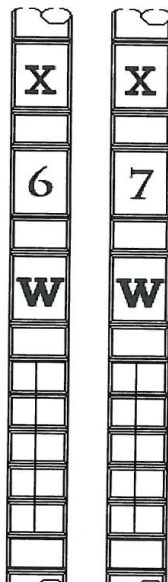


**NUCOR STEEL – KINGMAN, AZ**  
**ODOT #4356**

A706/A615 GRADE 60 REBARS MARKINGS  
Rebar sizes: #3 thru #6



**EVRAZ INC, NA PUEBLO, COLORADO**  
**ODOT #1621 (COILED REBAR #3-#6)**

January 8, 2014 [EVRAZ ROD/BAR MILL REBAR MARKINGS]												
												
A-615			A-706			A-615/A706 Dual			A-615		A-706	

**NUCOR-BAURBONNAIS (KANKAKEE)**  
**BAR SIZE #3-#11**  
**ODOT #4943**



NUCOR STEEL - KANKAKEE  
BARS #3-#11 BAR A706 ONLY

**CMC Steel Oklahoma**

Durant, OK

**CRSI** Concrete Reinforcing Steel Institute  
MEMBER

**S**  
GR 60



Bars #3 through #18 only

**W**  
GR 60



Bars #3 through #18 only

**S**  
GR 75



Bars #3 through #18 only

**S**  
GR 80



Bars #3 through #18 only

**W**  
GR 80



Bars #3 through #18 only

**S**  
GR 100



Bars #3 through #18 only

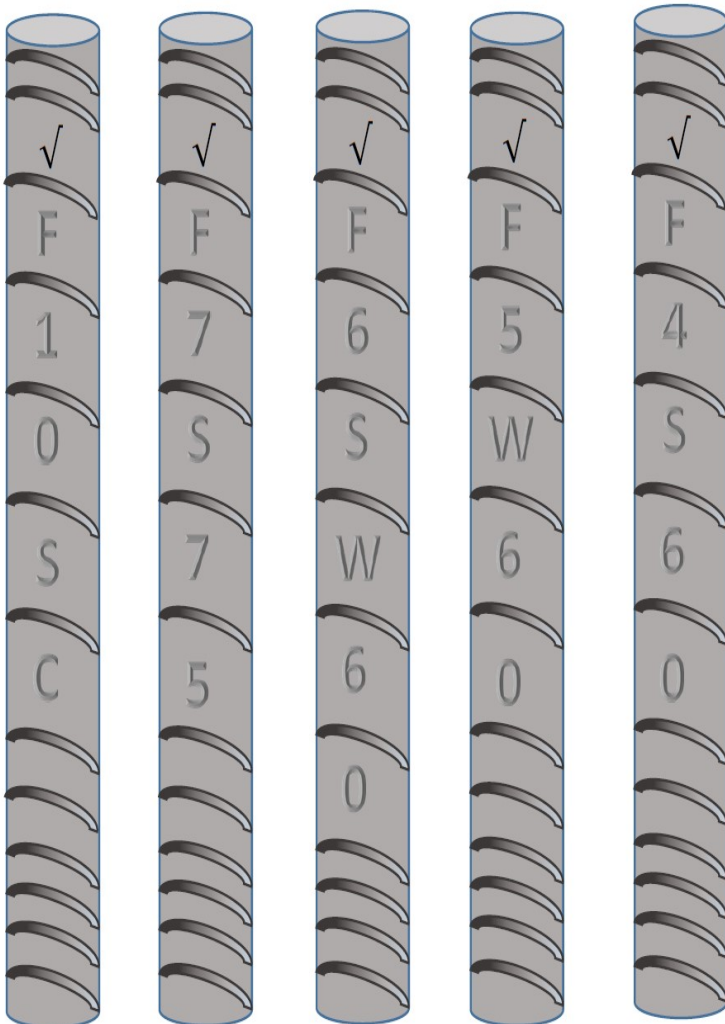
**CMC STEEL-DURANT OKLAHOMA**  
**#4-#11 STRAIGHT    #3-#6 COILED**  
**ODOT #5138**

**STEEL DYNAMICS ROANOKE BAR  
DIVISION  
#4-#11 STRAIGHT  
ODOT #5261**



**CMC STEEL FLORIDA**  
**#3-#5 COILED**  
**ODOT #5262**

**CMC STEEL TEXAS**  
**A615 GRADE 60, #3-#11 STRAIGHT**  
**A706 GRADE 60, #3-#11 STRAIGHT**  
**ODOT #5313**



**CMC STEEL SOUTH CAROLINA**  
**A615 GRADE 60, 80, 100 #3-#18 STRAIGHT**  
**A706 GRADE 60, 80 #3-#18 STRAIGHT**  
**ODOT #5263**

**CMC Steel South Carolina**

Cayce, SC



**S**  
 60



Bars #3 through #11 only

**S**  
 60



Bars #14 and #18 only

**W**  
 60



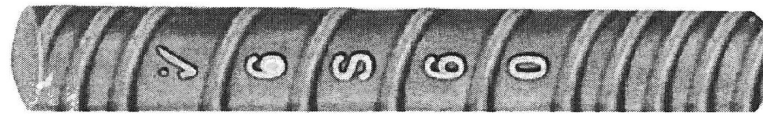
Bars #7 through #11 only

**W**  
 60



Bars #14 and #18 only

**Commercial Metals Company South Carolina**



Bars #3 through #11 only



Bars #14 and #18 only



Bars #7 through #11 only



Bars #14 and #18 only

## ASTM A1035 CS & CM (AAHSTO M334)

**ChrōmX 9100 CS**  
**SIZE #3-#11**  
**PRODUCED BY:**  
**CASCADE STEEL ROLLING MILLS, INC.**  
**ODOT #3517**

**CS**  




Bars #3 through #9 (#3 through #6 coiled)

**CS**  



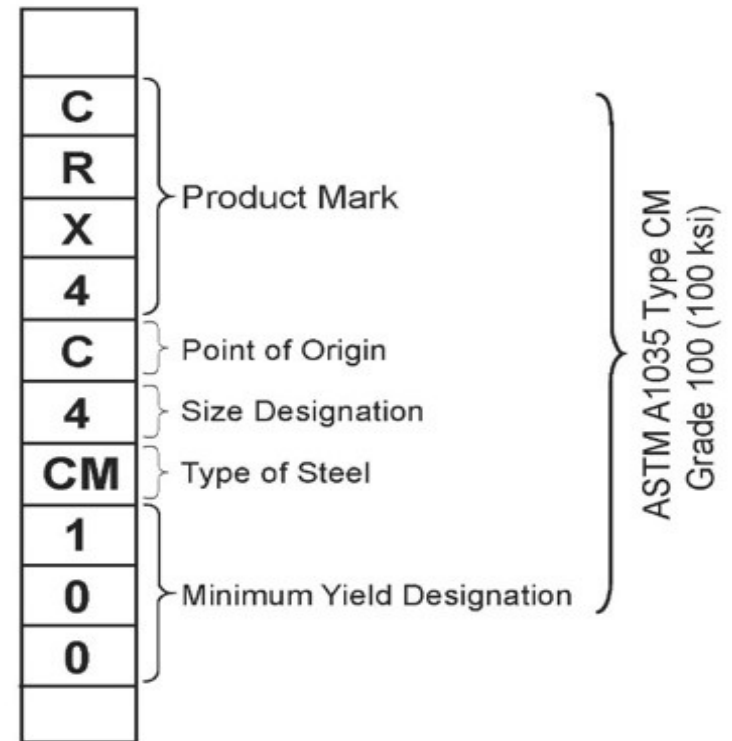

Bars #10 and #11 only

**CS**  



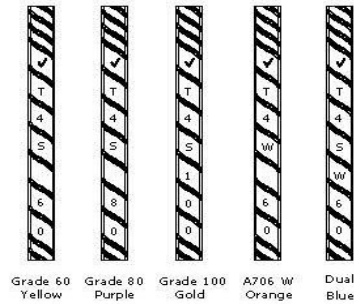

Bars #14 and #18 only

**ChrōmX 4100 CM**  
**SIZE #4-#11**  
**PRODUCED BY:**  
**CASCADE STEEL ROLLING MILLS, INC.**  
**ODOT #5249**

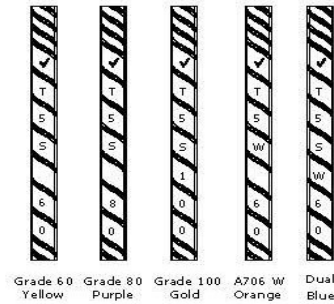




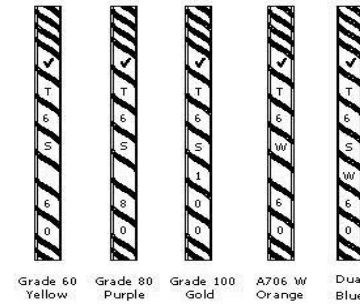
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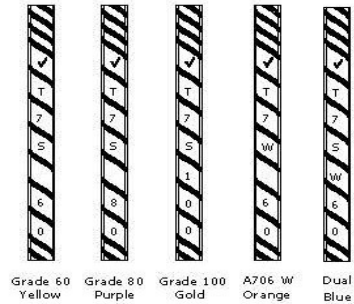
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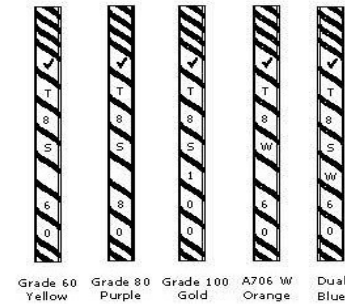
#### #6 REBAR



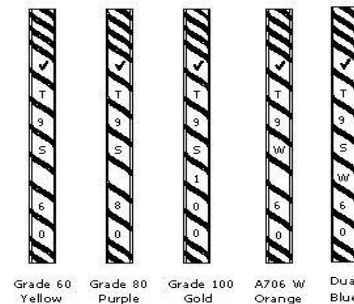
#### #7 REBAR



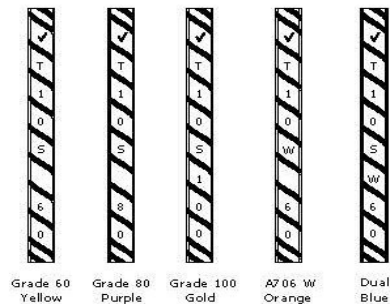
#### #8 REBAR



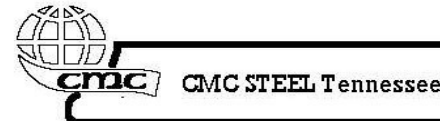
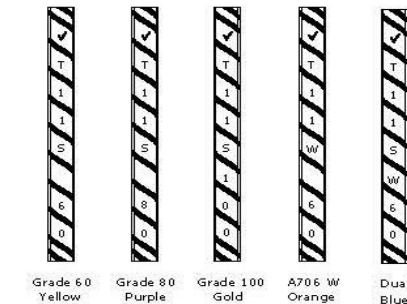
#### #9 REBAR



#### #10 REBAR



#### #11 REBAR



**CMC STEEL TENNESSEE KNOXVILLE**  
**A615 GRADE 60, (#3-#11) A615 GRADE 80, 100 (#4-#11)**  
**A706 GRADE 60, 80 (#3-#11) A615/A706 GRADE 60 (#4-#11)**  
**ODOT #5333**



**STEEL DYNAMICS COLUMBIA CITY, IN**  
**A615 & A706 GRADE 60, (#3-#8)**  
**ODOT #5607**

**Steel Dynamics, Inc.**  
 Columbia City, IN

**CRSI MEMBER**

**S**

**GR 60**



Straight and coiled bars #3 through #8

**W**

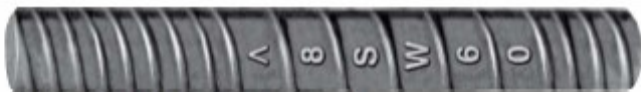
**GR 60**



Straight and coiled bars #3 through #8

**SW**

**GR 60**



Straight and coiled bars #3 through #8

**GERDUA WILTON, IA**  
**A615 GRADE 60, (#4-#5)**  
**ODOT #1622**

**Gerdau**  
 Wilton, IA

**CRSI MEMBER**

**S**

**GR 60**



Bars #4 through #8

**W**

**GR 60**



Bars #4 through #8