

Bill To:  
GERDAU CORSA S A P I DE CV  
KM 3 CARRETERA MEXICO-  
CD SAHAGUN S/N  
SAHAGUN  
43990

HG  
MX

Ship To: 1  
GERDAU CORSA S A P I DE CV  
402 GRAND CENTRAL BLVD  
MILO DISTRIBUTION CENTER  
LAREDO TX  
78045 US

Order Date:11/29/2011  
PO No:4500085476  
Mill Order No:3963328  
Load No:1414296  
Manifest No:2108680

**CERTIFIED MATERIAL TEST REPORT**

**GERDAU AMERISTEEL**  
Midlothian Mill  
300 Ward Road  
Midlothian, TX 76065  
(972) 775-8241

SPECIFICATIONS  
ASTM A6-09, A992-06a, A572-07

|                        |            |                  |          |
|------------------------|------------|------------------|----------|
| SIZE                   | GRADE      | LENGTH           | PRODUCT  |
| W 18 X 60# / W460 X 89 | 992/572-50 | 40 FT / 12.192 M | WF BEAMS |

HEAT NO: 22621330

CHEMICAL ANALYSIS

|     |     |      |      |     |     |     |     |      |      |      |      |      |     |
|-----|-----|------|------|-----|-----|-----|-----|------|------|------|------|------|-----|
| C   | Mn  | P    | S    | Si  | Cu  | Ni  | Cr  | Mo   | Sn   | V    | Al   | Nb   | CE  |
| .06 | .88 | .010 | .035 | .25 | .43 | .12 | .12 | .040 | .011 | .002 | .003 | .023 | .28 |

PHYSICAL PROPERTIES

| <u>Yield Strength</u> |       | <u>Tensile Strength</u> |       | <u>Specimen Area</u> |       | <u>Elongation</u> |             |        | <u>Bend Test</u> | <u>ROA</u> |
|-----------------------|-------|-------------------------|-------|----------------------|-------|-------------------|-------------|--------|------------------|------------|
| KSI                   | MPa   | KSI                     | MPa   | Sq In                | Sq cm | %                 | Gage Length |        | Dia. Result      | %          |
| 54.3                  | 374.4 | 70.4                    | 485.4 | 0.982                | 6.34  | 24.9              | 8 In        | 200 mm |                  |            |
| 54.6                  | 376.5 | 71.2                    | 490.9 | 0.980                | 6.32  | 23.8              | 8 In        | 200 mm |                  |            |

TENSILE TEST RATIOS

|          |          |          |          |
|----------|----------|----------|----------|
| YLD/TENS | TENS/YLD | YLD/TENS | TENS/YLD |
| .77      | 1.3      | .77      | 1.3      |

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A. CMTR complies with EN 10204 3.1

"I hereby certify that the contents of this report are correct and accurate. All tests and operations performed by this material manufacturer or its sub-contractors, when applicable, are in compliance with the requirements of the material specifications and applicable purchaser designated requirements."

Signed: Tom L. Harrington Date: Dec. 17, 2011  
Tom L. Harrington: Quality Assurance Manager

Signed: \_\_\_\_\_  
Notary Public (if applicable)

Date: \_\_\_\_\_  
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