



January 4, 2012

**CERTIFICATE OF COMPLIANCE**

As indicated on the Mill Test Reports, I certify that all the manufacturing processes of Cascade Steel Rolling Mills, Inc. occurred in the United States of America. \*1

Our reinforcing steel conforms to CSA G30.18M-09 grade 400W or 400R indicated on test reports. The steel shipped is in fact composed of the heats indicated on the Mill Test Report and is represented by results obtained on heat samples tested in accordance with CSA G30.18M-09 grade 400W or 400R specification for sampling, chemical analysis, physical testing and measuring. The average spacing and height of deformations have been measured and found to be in accordance with the requirements of CSA G30.18M-09 grade 400W or 400R.

<b>CHEMICAL REQUIREMENTS</b>			
<b>Element Max %</b>	<b>Grade</b>	<b>CSA G30.18 400W</b>	<b>CSA G30.18 400R</b>
<b>Carbon</b>		<b>0.3</b>	<b>Not specified</b>
<b>Manganese</b>		<b>1.6</b>	<b>Not specified</b>
<b>Phosphorus</b>		<b>0.035</b>	<b>0.05</b>
<b>Sulfur</b>		<b>0.045</b>	<b>Not specified</b>
<b>Silicon</b>		<b>0.5</b>	<b>Not specified</b>
<b>Carbon Equivalent Maximum</b>		<b>0.55</b>	<b>Not specified</b>
<b>TENSILE REQUIREMENTS</b>			
	<b>Grade</b>	<b>CSA G30.18 400W</b>	<b>CSA G30.18 400R</b>
<b>Tensile Strength, min, [MPa]</b>		<b>540</b>	<b>540</b>
<b>Yield Strength, min, [MPa]</b>		<b>400</b>	<b>400</b>
<b>Yield Strength, max, [MPa]</b>		<b>525</b>	<b>n/a</b>
<b>Elongation in 200 mm, min %</b>			
<b>Bar Number 10</b>		<b>13</b>	<b>10</b>
<b>Bar Numbers 15, 20</b>		<b>13</b>	<b>10</b>
<b>Bar Number 25</b>		<b>13</b>	<b>9</b>
<b>Bar Numbers 30, 35</b>		<b>12</b>	<b>8</b>
<b>Bar Numbers 45, 55</b>		<b>12</b>	<b>7</b>

\*1 Certifications which do not indicated made in America are made from steel purchased outside the United States.

\*2 Tensile Strength shall not be less than 1.15 times actual yield strength.

Thomas E. Murphy  
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Cascade Steel Rolling Mills, Inc.