- 1- Basic Standard: Canadian Standard Specification CSA G40.21
- 2- Quality: 480AT
- 3- *Type AT:* Atmospheric Corrosion-Resistant Weldable Notch-Tough Steel. Steels of this type meet specified strength and charpy V-Notch impact requirements. The atmospheric corrosion resistance of these steels in most environments is substantially better than that of carbon structural steels with or without a copper addition.
- 4- *Tests:* The tests conducted on material under this Standard shall be performed are *chemical composition*, *tensile test* and *impact test*.
- 5- *Mechanical properties:* the mechanical properties of 480AT are:

| Nominal yield strength | 480 MPa |
|--|----------------------|
| Tensile strength | 590-790 MPa |
| Minimum Yield point or yield strength, | 480 MPa |
| Minimum Tensile strength | 7200 MPa |
| Elongation / longitudinal / in 200mm | 13 % |
| / Longitudinal / in 500mm | 15 % |
| Elongation / transverse / in 200mm | 10 % |
| / Transverse / in 500mm | 12 % |
| Standard Charpy impact energy | Min. 27 J (at-10 °C) |

6- Quantity of request:

| Thickness mm | Weight (approximately) |
|--------------|------------------------|
| 30 | 22 ton |
| 25 | 9 ton |
| 20 | 15 ton |
| 16 | 2 ton |
| 15 | 20 ton |
| 14 | 3 ton |
| 12 | 12 ton |
| 10 | 10 ton |
| 8 | 10 ton |
| 6 | 2 ton |

The above-mentioned properties, including requirements of CSA G40.21, must be guaranteed. Mill tests confirming the properties will accompany the supplied steel.

- Prices to be quoted for delivery at Iranian customs.
- Specify the earliest date for delivery.

Also there is equivalent steel for 480AT. The name of this steel is Dillimax 500E or Dillimax 500T and it's specification attached to this email. If you also could supply this steel it's acceptable. You could see our project information in the www.yadman.ir website.