

TECHNICAL BULLETIN 3

MARCH, 1997

SHAPE MATERIAL
(ASTM A572 Gr 50 with special requirements)

As announced, effective May 1, 1997, structural steel shapes will be commercially available with special requirements. Please consult your steel supplier for specifics.

Steel shapes ordered to this technical bulletin shall conform to the following:

- 1.

4. Tensile Requirements:

Yield Point, ksi [Mpa]		50 - 65 [345 - 450]
Yield to Tensile Ratio, max	0.85	

SUPPLEMENTARY REQUIREMENTS

These requirements shall not apply unless specified in the order.

Standardized supplementary requirements for use at the option of the purchaser are listed in Specification A6/A6M. Those that are considered suitable for use with this specification are listed by title:

- S1. Vacuum Treatment
- S2. Product Analysis
- S5. Charpy V-Notch Impact Test
- S8. Ultrasonic Examination
- S14. Bend Test

ADDED SUPPLEMENTARY REQUIREMENTS

In addition, the following optional supplementary requirements are also suitable for use with this specification.

- S79. Maximum Tensile Strength
S79.1 The maximum tensile strength shall be 90 ksi [620 Mpa].
- S91.

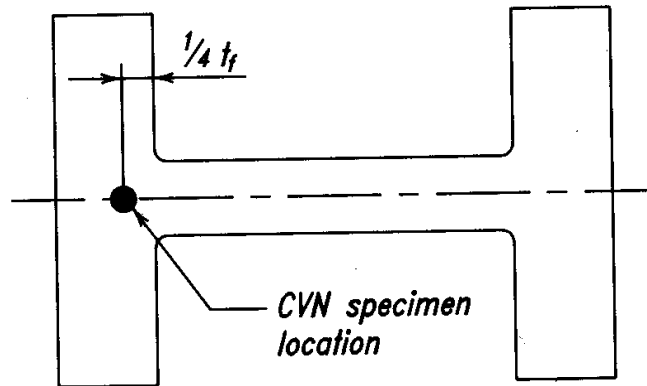


Fig. 1 Location from which Charpy impact specimen shall be taken for Group 4 and 5 structural shapes.

- SX3.4 The test result shall meet a minimum average value of 20 ft-lb [27J] absorbed energy at +70°F [+21°C] if the steel is intended for ordinary use in buildings such as static loading. For unusual applications such as dynamic loading, highly restrained connections, low temperature or any combination of these conditions, the purchaser should consider more restrictive Charpy V-notch requirements for specification in the contract documents.