

1. Introduction

Following the Great East Japan Earthquake on March 11, 2011, further improvement in the earthquake resistance of buildings has been demanded. Accompanying the recent trends toward high-rise and long-span construction in buildings, examples of application of large section, high strength welded H-shapes have also increased. In response, JFE Steel developed Japan's first 520 N/mm² class TMCP H-shape "HBLTM-H355" for building construction (with maximum strength)

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