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JG

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JG/T 144-2016

Replacing JG 144-2002

Steel Members of Light-weight Buildings with Gabled Frames

(English Translation)

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Issued by: Ministry of Housing and Urban-Rural Development of the People's Republic of China

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is JG 144-2002 "gantry rigid frame light steel components," the revision, compared with JG 144-2002, the main technical changes as follows.

--- Added "Terms and definitions" section (see 3);

--- Increase the "general provisions" section (see 5.1);

--- Increase the purlin and wall beam web flatness and distortion allowable deviation (see Table 9);

--- Deleted galvanized purlin Zinc plating requirements;

--- Increase the fire-resistant coating of steel structures and anti-corrosion coatings supporting requirements (see 5.7.7);

--- Remove steel column and steel beam assembly node bearing capacity test method;

--- Deleted pressure plate test method of bearing capacity;

--- Increase the main frame member should have a permanent mark requirements (see 8.1).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

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This standard by the Ministry of Housing and Urban Construction Building Standardization Technical Committee centralized.

This standard was drafted. China Building Standard Design Institute Co., Ltd., Butler (Shanghai) Co., Ltd., Beijing North Space Building Technology Co., Ltd., China Aerospace Construction Group Co., Ltd., Xi'an University of Architecture and Technology, the United States to build the system (China) Co., Ltd., River South Tin Fung Steel Construction Co., Ltd., China Construction Metal Structure Association.

1 Scope

This standard specifies the terms and definitions, code and model, general requirements,, test methods, inspection Inspection rules, signs, packaging, transportation and storage.

This standard applies to the general industrial and civil building door frame light housing steel structure components.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 222 steel finished chemical composition tolerance GB/T 228.1 Tensile testing of metallic materials - Part 1. Room temperature test method GB/T 229 Charpy pendulum impact test method for metallic materials GB/T 700 carbon structural steel GB/T 1228 high strength steel hexagonal head bolts GB/T 1229 high strength steel hexagon nut GB/T 1230 high strength steel washers GB/T 1231 high strength steel hexagonal head bolts, large hexagonal nuts, gaskets technical conditions GB/T 1591 low-alloy high-strength structural steel GB/T 3098.1 fasteners mechanical properties of bolts, screws and studs GB/T 3632 steel torsion shear type with high strength bolt connection GB/T 5117 non-alloy steel and fine grain steel electrode GB/T 5118 hot-rolled steel electrode GB/T 5293 submerged arc welding carbon steel wire and flux GB/T 6725 cold-formed steel GB/T 8110 gas shielded arc welding carbon steel, low alloy steel wire GB/T 11345 Weld non-destructive testing ultrasonic testing techniques, testing levels and assessment GB/T 12755 architectural steel plate GB/T 17505 steel and steel products delivery general technical requirements GB/T 23932 construction metal surface insulation sandwich panel Code for acceptance of construction quality of steel structure engineering GB 50205-2001 GB 50661 steel structure welding code

3 Terms and definitions

The following terms and definitions apply only to this document.

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Portal frame light steel house steelmembersoflight-weightbuildingwithgabledframes the structural components that make up the portal frame light house include the solid abdominal frame and the support and maintenance system.

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