IAS METAL BUILDING SYSTEM ACCREDITATION PROGRAM

ACCREDITED
AC472

Butler Manufacturing™ is an accredited metal building manufacturer under the International Accreditation Service, Inc. (IAS) program - an industry standard for the accreditation of metal building manufacturers.

The purpose of the IAS accreditation program is to provide code officials with the means to approve manufacturers involved in the fabrication of metal building systems. This accreditation also gives building owners peace of mind in knowing that they're buying from the best the industry has to offer.

The IAS metal building accreditation program, developed in partnership with the Metal Building Manufacturers Association (MBMA), is based on the requirements of Chapter 17 of the International Building Code® Support for the program, referred to as AC472, is widespread throughout the MBMA. "Quality has been a hallmark of our organization since its inception, and we believe that IAS accreditation further raises the bar," states Charles E. Praeger, Assistant General Manager for the MBMA.

CERTIFICATION GOALS AND PURPOSE

The IAS accreditation program recognizes manufacturers who design and fabricate safe, high-quality structures. It incorporates the strict standards of the MBMA design manual, developed in the early 1980s to assure quality and consistency in metal building manufacturing.

The rigorous testing process scrutinizes all of the things that are important to you in selecting a manufacturer, including raw material purchasing, welding practices, material receiving, quality control measures, and overall fabrication quality assurance. The process even reviews the qualifications of the manufacturer's key employees.

WHAT IT MEANS FOR YOU

When you select an IAS-accredited metal building manufacturer, you can rest assured that the project will be fabricated in accordance with the MBMA design manual and other governing codes and specifications. This accreditation also exempts the manufacturer from many inspection processes that can otherwise delay a production schedule.

As a buyer, you should always specify an IAS-accredited fabricator and require a copy of the accreditation certificate. It's your symbol of quality assurance.

IAS AC472 ACCREDITATION REQUIREMENTS

1. ELIGIBILITY REQUIREMENTS

1.1 IAS AC472 accreditation is open to all manufacturers of metal building systems.

1.2 A metal building system consists of an integrated set of mutually dependent components and assemblies that form a building, including primary and secondary framing, covering and accessories, that are manufactured to permit inspection on site prior to assembly or erection. For purposes of this program, a metal building system does not include foundations, mechanical equipment, fire protection, electrical, etc.

2. DESIGN & ENGINEERING PRACTICES

2.1 IAS AC472 accreditation is distinguished from previous accreditations by evaluating and accrediting both manufacturing and design, and engineering practices. Previous IAS accreditation programs evaluated manufacturing practices only.

Part A – Fabrication of either hot-rolled or cold-formed products that require welding in their assembly

Part B – Fabrication of cold-formed structurals and panels without welding

Part C – Engineering design of metal building systems. One of the engineering requirements is that a letter of design certification must be provided on every order.

A facility may be accredited with any appropriate combination of the three parts.

Detailed criteria is available on the IAS website.

2.2 Evaluation of design and engineering practices is conducted to certify the application of sound engineering practices to assure the translation of the intent of the design criteria into detail drawings, instructions and procedures that meet specified quality levels and the following applicable codes.

3. PROCUREMENT; MATERIAL RECEIPT & STORAGE

3.1 All material and services conforming to the engineering department's documents, specifications and design requirements are evaluated to verify conformation of actual materials to specifications both during receipt of materials and during the transfer of materials to manufacturing processes.

4. FABRICATION

4.1 Accreditation ensures that manufacturers manufacture and ship, from approved drawings and procedures supplied by the Engineering Department, a quality metal building system consistent with the design documents and specifications. Particular emphasis is placed on the use of specific materials described earlier and on the vital welding process.

5. ORGANIZATION, PERSONNEL & QUALITY CONTROL

5.1 Policy Statement—Manufacturers must demonstrate the existence and use of a written statement affirming that the manufacturer's policy is to direct all activities of the organization in such a manner that the metal building system meets the quality requirements specified in the manufacturer's standard specifications.

5.2 Organization and Personnel—An organization chart clearly showing lines of authority and lines of responsibility down to principal departmental supervisors must be exhibited by manufacturers. Principal departmental supervisors to include—
a. Engineering; b. Manufacturing;
c. Procurement; d. Quality Control.

5.3 Quality Control—Certification verifies that all stages of manufacturing are performed in accordance with the design documents and specifications.

6. CONTINUING COMPLIANCE

6.1 In addition to regular self-audits, independent inspections of manufacturing and engineering facilities are conducted semi-annually following initial IAS accreditation. Periodic inspections review the record of self-audits and randomly check for compliance with all accreditation criteria.

Resources:

AISC: American Institute of Steel Construction, Inc.
National organization that writes specifications for the Design Manual of Steel Construction.

AISI: American Iron and Steel Institute
National organization that writes specifications for the Design of Cold-Formed Steel Structural Members.

ASCE: American Society of Civil Engineers
National organization that specifies minimum design loads for buildings.

ASTM International
International organization for the development of standards on characteristics and performance of materials, products, systems and services.

AWS: American Welding Society
National organization that writes codes regarding welding requirements applicable to all types of welded structures.

IBC: International Building Code
Published by International Code Council, Inc.

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Butler Manufacturing
Kansas City, MO
816-968-3000

Butler Buildings Canada
Burlington, ON, Canada
905-332-7786

www.butlermfg.com

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MBMA METAL BUILDING MANUFACTURERS ASSOCIATION MEMBER

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