

# RIGHT FROM THE START

**INDUSTRIAL  
CRANE BUILDINGS**

**NUCOR**  
*BUILDING SYSTEMS*



## CRANE BUILDING SOLUTIONS

**Many Industrial Buildings** available today, house manufacturing processes that require the lifting or moving of both heavy and large objects. Today's building needs often incorporate a variety of material handling systems. Nucor's engineers can provide an economical building solution that meets your requirements. The end result is an attractive, affordable facility that serves your function and performs year after year.

**Nucor Building Systems** can reduce or eliminate the need for independent crane columns. Many buildings can easily be designed to handle the loads imposed by the crane system. The elimination of the redundant crane structure often results in substantial savings for the building owner.

**As a leading producer** of steel and steel related products, Nucor understands crane buildings. Nucor has designed, fabricated, and shipped thousands of industrial buildings. Our engineers have incorporated crane systems in many facilities, ranging from 1 ton monorail cranes to 100 ton bridge cranes. Our expertise in "mill building" applications, using systems design, has earned Nucor Building Systems a highly respected reputation throughout the industrial community.



## ENGINEERING SERVICES

Buildings by Nucor can be easily adapted for support of Bridge, Underhung, or Monorail crane systems. Columns can also be reinforced for the addition of Jib or Gantry type systems. Consult Nucor for details and procedures for specifying cranes supported by the building system.

Nucor designs the building structural system to accommodate the crane design as specified by the project Architect or Engineer. Specific information based upon a defined crane supplier will significantly influence the parameters of a project.

For more information see "Specifications for Electric Overhead Cranes: CMAA Specification 70 (1988)"; "Specifications for Top Running and Under Running Single Girder Electric Overhead Traveling Cranes: CMAA Specification 74 (1987)"; Crane Manufacturers Association of America Inc. Charlotte, NC, the "Low Rise Building Systems Manual", Metal Building Manufacturers Association, 1300 Sumner Avenue, Cleveland, OH 44115-2851; and "Serviceability Design Considerations for Low Rise Buildings", AISC.

Due to a continuing process of product improvement, information contained herein is subject to change without notice.



## FEATURES & BENEFITS

### Flexible

Every Nucor building is custom designed and fabricated to meet the functional requirements of your business. And, since every Nucor building is custom designed, you suffer no price penalty.

### Serviceability

Nucor buildings are designed to your specifications with regards to crane deflections. With a background in heavy manufacturing and steel producing facilities, you can depend upon Nucor for a building system that meets your expectations. Nucor Building Systems utilizes crane support material produced by our own Nucor Steel Divisions.

### Cost Effective

Nucor buildings are designed by registered professional engineers with the aid of some of the industry's most advanced computer systems. The computer designed building system simplifies construction and significantly reduces erection time. This means lower "in place costs" as well as quicker occupancy of the building.

### Attractive

Nucor buildings can be designed with a wide range of covering systems such as glass, brick, or block. And, of course, Nucor's attractive wall systems are available in a number of architecturally pleasing colors.

### Durable

The Galvalume® finish on the Nucor "CFR"™ and the Nucor "Classic Roof"™ system is one of the most trusted products on the market today. Galvalume® requires very little maintenance and comes with a 20 year material warranty. Wall systems are painted with a durable, long lasting Silicone Polyester paint that is available with a 20 year finish warranty. Silicone Polyester paint is a recognized standard of product quality for exterior building wall systems. Both of these long life products assure you of a cost effective and attractive building for years to come. Ask your Nucor Builder about other features that are designed to save you time and money.

### Financial Strength

Nucor Building Systems is a division of Nucor Corporation, a Fortune 500 company. Nucor is recognized as a well managed and financially stable company that you can depend on. A strong consideration of any purchase decision must be the ability of a company to stand behind the products they sell. Be sure to ask for your building manufacturers' financial statement before you buy.

Galvalume® is a registered trademark of BIEC International, Inc.



*Right From The Start...*

*Solutions  
That Work...*



*Custom Designed For  
Functionality...*

*Precision Engineered  
For Years Of  
Performance!*







# **NUCOR**

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