STEELOX INDUSTRIAL BUILDINGS

An NCI Tribute to the History & Future of Steelox

ARMCO DRAINAGE and METAL PRODUCTS, Inc.

ATLANTA • HOUSTON • JACKSONVILLE • MEMPHIS • MONTGOMERY • NEW ORLEANS
OKLAHOMA CITY • RALEIGH
A.R. Ginn
Chairman, CEO

May 25, 2005

I have always respected the Steelox name and feel our industry owes much of its success to these early pioneers. Steelox was formed in the early 1900’s. They survived World War II, the Great Depression and the first energy crisis. They witnessed the first landing on the moon and the triumphs and struggles that followed. They housed airplanes as well as our soldiers. Factories were built to manufacture automobiles, can food and much more. And Steelox was there through it all, supporting the needs of the times they lived in and the people they served.

Without its vision of products, technology and marketing, I doubt many of us would be where we are today. The company we’ve long known as Steelox was responsible for many of the innovations our industry has adopted. We at NCI are proud to be a part of this legacy and we welcome Steelox into our family of brands.

We produced this brochure for you to reminisce for a few moments and remember how important Steelox was to our industry and how progressive they were.

We look forward to working with you.

Regards,

A.R. Ginn

Entry into the building business began in 1929 when the Dixie Culvert and Metal Company bought a majority interest in the Harry Brothers Company of New Orleans. Full ownership was acquired in 1934 and it was renamed the Iron and Steel Products Company, Inc. In December 1942, it was dissolved when it became a part of Armco Drainage and Metal Products, Inc.

The sales and distribution of these metal buildings were confined to the South. At the same time, the company experimented with all steel pre-fab homes in the Midwest.

The STEELOX Panel, which is the basic element in the design and fabrication of a STEELOX building, was invented by James Swank, a construction superintendent for a large building contractor in Chicago. The original purpose conceived by the inventor was to use this lightweight, interlocking panel as an improved concrete form to reduce the cost of material and labor in form work. Swank’s original design, later modified, called for a full
interlock, which required that the panels had to be slipped into each other for their full length. The STEELOX Company was organized by R.M. Calkins and J.W. Swank to market the patent rights for the STEELOX Panel. The first STEELOX Building was a goat barn, displayed at the Century of Progress Exposition in 1934.

During World War II the company sold two types of buildings in the war effort. A 200’ span combat hangar for B-29 planes was designed with an Arch-rib and a STEELOX Panel covering. And, a 20’ span machinery storage warehouse was designed for lengths of 100’ and 200’. This wartime experience was an indication of the possibilities offered by the sale of standard buildings, particularly in connection with the long-range plan of the parent company, Armco Steel Corporation.

Shortly after the Korean War, the first rigid-frame building in a 36’ span was added to the line. Work was started on refining details that would simplify production as well as erection and increase overall adaptability.

Throughout the years, STEELOX expanded and improved its product line. New lines of distribution were established. The company flourished and became one of the most respected names in the metal building industry. It was a founding member of the Metal Building Manufacturers Association which was created to set technical standards, promote the industry, and collect and disseminate statistical data used to help grow the industry.

Certainly, the growth and maturity of the dealer organization was a key to the company’s success. The basis for dealer growth was financial strength, capability for design-build, and reputation for performance. Each dealer was encouraged to develop sound principles in management, sales, design, and construction.

STEELX certainly had the formula for success – superior products, exceptional service and quality dealers.
1040 Vehicle Shed 28’x260’ with open side to the ocean
(Undamaged by 100 MPH hurricane in 1941)

Falstaff Brewing Co.,
New Orleans, LA

60’x120’ roof for Coca-Cola Company,
Robertson and Iberville Streets,
New Orleans, LA (1927)

Yard office building T.P. & M.P. Terminal R.R. of New Orleans,
steam heated and air conditioned

100’ Clear Span Hangar, St. Petersburg, FL 1930
(Withstood 85 MPH gale in 1936)

Original STEELOX Industrial Buildings printed brochure

An original brochure that tells the story of ARMCO

1040 Vehicle Shed 28’x260’ with open side to the ocean
(Undamaged by 100 MPH hurricane in 1941)

Probably the South’s most modern equipped canning plant,
Pine Mountain Valley, Rural Community,
Hamilton, GA  50’x180’x12’

60’x120’ roof for Coca-Cola Company,
Robertson and Iberville Streets,
New Orleans, LA (1927)
Floor unit (19'6" span) in place

Wall unit erection

Zigler Motors, Inc.
Jennings, LA
30'x120'x12' (1937)

Sky lights give a steel building a natural light source

Used car sales room (1934)

Zigler Motors, Inc.
Jennings, LA
30'x120'x12' (1937)

Frameless Steel brochure

Wall unit erection

Floor unit (19'6" span) in place

Gordon Hite — Rome, GA
35'x105'x12'
Used car sales room (1934)

Atlanta Baggage & Cab Co.
Dispatch and repair station

Original Frameless Steel brochure
STEEOX is a comparatively new building material of unique design in which standard steel sheets are formed into structural panelled sidewalls and roofs to make up a complete building. These sections have been thoroughly analyzed and tested by both the Bureau of Standards at Washington, D.C. and the Robert W. Hunt Company of Chicago, Illinois, for use as building sidewalls, load-bearing partitions, roofs and floors and have been found to have unusual load carrying capacity. Six years experience in the housing and industrial field have proved STEEOX construction practical and possessing many advantages not found in other types of construction ordinarily employed in its size range.
Construction of Steelex Detail

In Steelex buildings up to thirty feet in width, beam or column. No structural steel is required with each building. Each Steelex rib is a small complete erection instructions are supplied.
Great Names
IN THE INDUSTRY

Dixie Culvert and Metal Company
Harry Brothers Company
Armco Drainage and Metal Products, Inc.
Armco Pipe and Formed Products Division
Pioneer Buildings
STEELOX
Armco Steel Corporation
Steel Buildings, Inc.
Insulated Steel Construction Company
S-1 (Shed Roof)
S-2 (Frameless-gable) Design
Steel Buildings Division Plant No. 1
STEELOX Building Systems
S-3 Rigid Frame Building
Steel Building Plant No. 2
S-4 Truss Building
BCS-3 Beam and Column Building
TB-3 Tapered Beam Building
Rib Locker Crimping Machine
Zee-Lok Purlin
ARW-IV Covering System
Steelox Lockrib (LRX)
XTR
LS-175
RP-150 (Curved)
TRL

NCI Building Systems
Metallic Building Company
Mid-West Steel Buildings
A&S Building Systems
Mesco Building Solutions
IPS
Steel Systems
MBCI
American Building Components
Metal Depots
DBCI
Able Door Manufacturing
Heritage Building Systems
Steelbuilding.com
Metal Coaters
Metal Prep
Doublecote
BattenLok®
SuperLok®
LokSeam®
Ultra-Dek®
Double-Lok®
Craftsman™
ShadowRib™
NuWall®
NuRoof®

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