



(800) 341-7007
www.SteelMasterUSA.com

The Arch Building Advantage

We realize you don't work with arch steel buildings every day, but we have been doing just that for more than 30 years.

See what makes a SteelMaster structure your most cost-effective choice:

- 100% usable space. No posts or beams.
- 30 year, mill-backed rust perforation warranty.
- All buildings blueprints stamped by professional engineer.
- Industrial strength, heavy grade, high gauge steel.
- Best quality steel coating resistant to the harshest climates.
- Green design using 100% recyclable material.

Commitment to Quality

At SteelMaster, we understand that every project is unique and that it is critical for our design specialists to listen closely to our customers' needs before we engineer the appropriate building solution. We bring many project professionals to every job in order to ensure your complete satisfaction with the entire process, from conception to final delivery.



www.SteelMasterUSA.com

Dear Customer:

Welcome to SteelMaster's expanding Family.

SteelMaster Buildings continues to raise the bar for shelter worldwide while carefully engineering a focused path through today's emerging global economy.

Partnering with the world's largest steel manufacturer, SteelMaster has excelled at solving even the most complex shelter challenges in a cost effective manner. We are passionate about providing practical building solutions for virtually every environment on planet earth.

We have successfully completed thousands of projects for the most demanding Architects and Engineers, Fortune 500 companies and every branch of the U.S. Armed Services.

Through our growing distributor network in over 50 countries, combined with the integrity and experience of our Management and Manufacturing Team, we stand ready to serve you in every corner of the globe with the highest quality products and service in the industry.

Our promise to you, our valued customer is to:

- partner with you to provide custom building solutions
- provide the best quality products in the business
- deliver unparalleled customer service
- offer you the best value for your investment

We will accomplish this by keeping your needs first, supported by our vast expertise. This is the SteelMaster promise.

We look forward to earning your business,

A handwritten signature in black ink, appearing to read "Rhac Adams Jr.".

Rhac Adams Jr.
Chairman & CEO

1023 Laskin Rd. Suite 103, Virginia Beach, VA 23451
800-341-7007 Fax: 757-422-9167



SteelMaster Leadership Team



S-Model (above)

Size: S45-20x60

Use: California Transit Authority
Truck Maintenance

X-Model (left)

Size: X30-16x50

Use: Auto Shop and Storage Building

A

16' to 70'W

S

10' to 100'W

Q

20' to 150'W

X

20' to 90'W

R

10' to 150'W

T

10' to 100'W

Check Out Our Curves

SteelMaster has been the industry leader in the innovation of arch building designs since the company's founding over 30 years ago. Each building model serves a specific customer need dependant on the structure's use. The selection of your building style may also be driven by the loads in the designated geography or simply by aesthetics. No matter how you intend to use your structure,

SteelMaster can design a model best suited to meet your diverse requirements.

Nobody has more arch building styles along with the most sophisticated engineering to develop the perfect solution for your construction projects.

A-Model

Size: A20-16x20
Use: Fire Training
Equipment Storage



Q-Model

Size: Q40-16x40
Use: Budget Rental Facility
Barrick Gold Mine, Chile



T-Model

Size: TS62-22x80
Use: Military Vehicle Storage





Warehouse U.S. Government

Size: S50-25x80

Use: General Storage

Canister Door

Batt Insulation System

Warehouse and Storage

When it comes to large warehouse solutions, a SteelMaster building is the perfect answer. No matter the warehousing need, whether it may be for cargo, port applications, hazardous materials, or container storage, a SteelMaster Building is safe, secure and provides your organization the ability to expand at anytime.

We can provide you with an economical and virtually maintenance-free storage facility, offering 100% usable space, with widths up to 150 feet and in any length required.

With a SteelMaster warehouse, you are only limited by the available square footage and your imagination.

Q-Model on Elevated Foundation

Size: Q60-20x98

Use: Fish Processing Facility (Iceland)



Storage Structure with High Wind Loads in Challenging Terrain

Size: S45-23x106

Use: Research and Equipment Storage
Open Ended
(Puerto Rico)



Industrial Shipyard Structures

Size: XS60-40x120

Use: Shipyard Repair and
Industrial Maintenance





H-E-B

R-Model

Size: R181-22x112 and R105-11x28

Use: Grocery Store Roof and Cover
System for Gas Pumps

Roofing Systems

SteelMaster has boldly redefined the technology for the 21st century. Both structurally sound and aesthetically pleasing, the SteelMaster Roofing System offers a rare blend of strength, style and simplicity, giving you endless application possibilities. The SteelMaster Roofing System can be designed in widths from 10 to 150 feet and in any length in increments of two feet. As a result of arch technology, the need for bulky beams, trusses and supports are a thing of the past.

General Motor's architects were looking for a rugged yet refined roofing system for their new Hummer dealerships. They wanted a system that showcased the proud military roots of the HUMMER, yet represented the recent civilian popularity for the sport utility vehicle. The corrugated, curved panel roofing system made by SteelMaster was chosen by GM as the preferred roofing system to be applied

Galaxy Auto Place

Size: R51-7x37 and
(2) R18-3x28
Use: Car Dealership



Tampa Car Wash

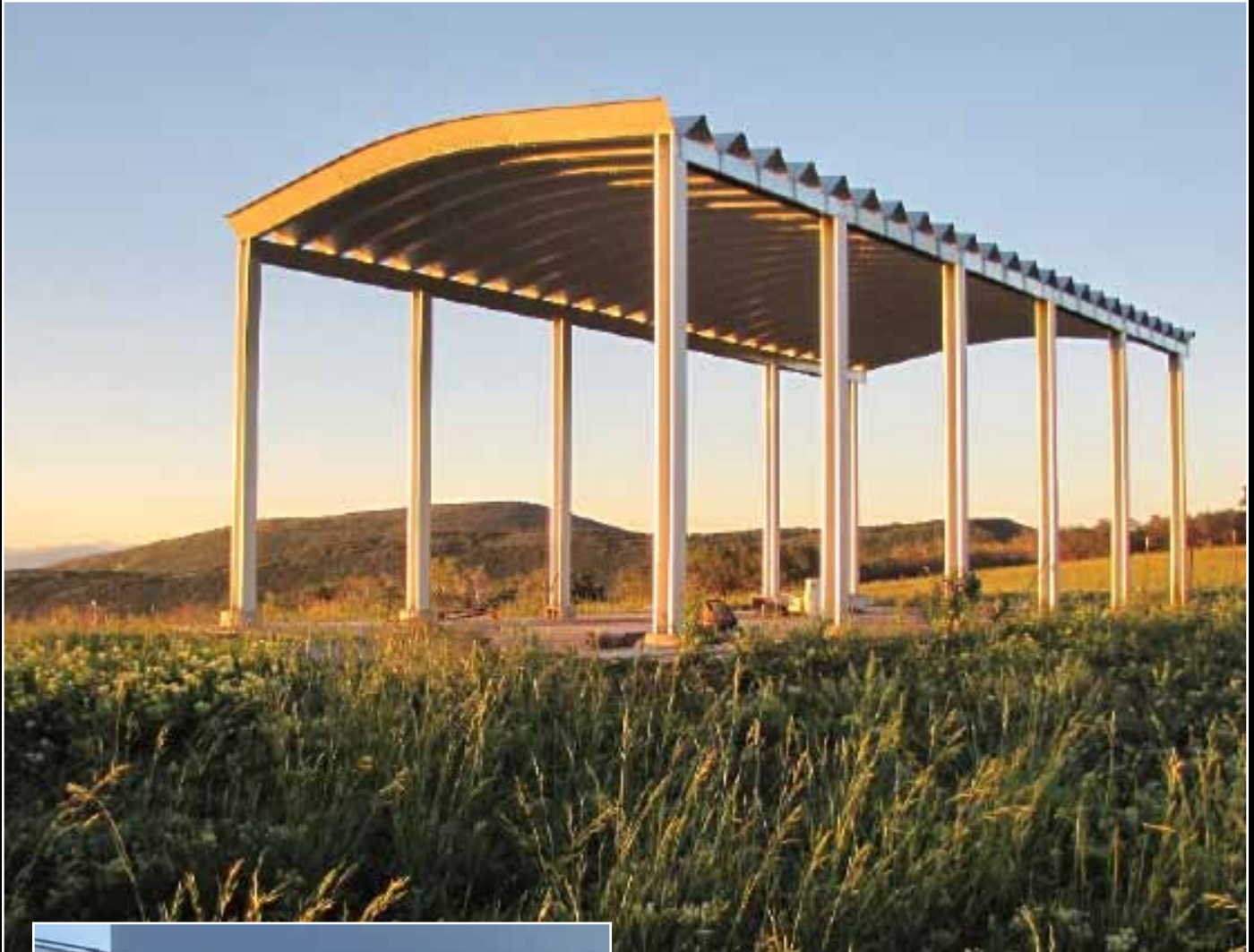
Size: R30-7x144
Use: Cover for Car Wash System



Multiple Roof Systems

R-Model
Size: R36-7x48
R36-7x38
R10-2x42
Use: Home, Michael Nettles,
Architect Engineer





**Roof Engineered for Heavy
Wind and Snow** (above)

Size: CP22-17-x50

Use: Carport and Equipment Cover

**Freestanding Structure Adjacent
to Existing Building** (left)

Size: Speciality 20x50

Use: Flat Panel Awning and Protective Cover

Light Industrial Roofs and Canopies

In recent years, SteelMaster found a need in the market for an industrial strength cover that was capable of protecting anything from sensitive generators and pumps to the prized family automobile. These versatile structures can be adapted to almost any space to ensure your valuables are kept safe from the elements. In many cases using structural steel to support our arch

panels, these roofs are engineered to the wind and snow load requirements of your project location. When a complete building is just not exactly what you are looking for, these covers may very well be just right for you.

Container Cover

Size: R49-11x40

Use: Covered Workspace
and Equipment Storage



Covered Outdoor Space

Size: R20-5x30

Use: Patio Awning /
Entertaining Space



Speciality Designed Covers

Size: (2) TR16-21x22

Use: Custom Protective Machinery
and Electrical Canopies





U.S. Army

A-Model

Multiple Buildings: A30-14x50

Use: Various Personnel and Military
Support Structures

Government/Military (GSA)

NASA chose SteelMaster Buildings to protect their shuttle components and valuable equipment and were confident in SteelMaster's ability to design, build, ship, and service all their building needs. SteelMaster takes pride in knowing our buildings have earned the favor of not only the Army, Navy, Air Force, Marines, and Coast Guard, but also Homeland Security, the Department of Corrections, Transportation and Defense, FBI, Public Works, DEA, and the Army Corps of Engineers.

The SteelMaster product line serves the United States government well, especially in its ability to quickly assemble, disassemble, relocate and then reassemble. No matter the need, from barracks and equipment storage, to training facilities and portable shelters, SteelMaster has the government covered.

GSA Contract # GS-07F-0458T

U.S. Marine Corps

S-Model

Sizes: S20-13x40

S20-13x70

Use: Barracks

S-Model with endwalls, windows, frames, turbine vents, and personnel doors



U.S. Navy

S-Model

Size: XS55-21x64

Use: Equipment Warehouse

S-Model with endwall vents and interior mounted canister doors



U.S. Navy

T-Model

Size: T42-20x102

Use: Small Boat Storage and Maintenance Shop

T-Model with exterior mounted canister doors





**Embry Riddle Aeronautical
University-Aviation College**

S-Model

Size: S30-19x40

Use: Cafeteria and Common Space

Various custom openings. Also displayed interior
liner panel system

Custom Structures

SteelMaster offers custom designs for your special requirements that will meet and exceed your every building need. Our over 30 years of experience in solving complex building and design challenges uniquely qualifies us in the industry to competently address your questions and concerns, and then professionally create solutions that will work, structurally, functionally and aesthetically.

Each of our design experts will give you personal attention, incorporate your input and then bring to bear their many years of training and experience.

Oceanering

S-Model-Liftable structure
Size: S52-23x35
Use: Barge Maintenance
S-Model with lifting channels



Austin Animal Center

R-Model
Size: R54-12x90
Use: Roofing System for
Animal Shelter



Tangipahoa Consolidated Gravity and Drainage District Office Facility

Q-Model
Size: Q50-19x86
Use: Office Suites and Meeting Room
Supplied with skylights





Custom Home

Q-Model

Size: Q63-16x28

Use: Private Residence

Indoor Batting Facility

S-Model

Size: S40-19x80

Use: Batting Dome

For school's baseball and softball teams.
Offered with SteelMaster Sliding Door System



Aviation Hangars

S-Model

Size: S60-25x60

Use: Airplane Hangars

In high wind geography. Reinforced
sliding door system



Emergency Relief Shelters

S-Model

Size: S16-11x20

Use: Rapidly Erectable
Temporary Shelter



Container Covers

R-Model

Size: R61-9x60

Use: Covered Workspace



Global Logistics

As the world's leading manufacturer and supplier of steel arched buildings and roofing materials, SteelMaster continues to excel at providing its overseas customers with the optimal buildings to meet their needs. Along with exceptional material supply, SteelMaster offers reliable logistics services

to a main overseas port of your choice through our partnership with freight forwarding companies. Our extensive experience abroad and understanding of the world's unique requirements has made our company top among our competitors.



Cajamarca, Peru - Q-Model
Size: Q92-37x150

A SteelMaster building is ideal for overseas shipping. The materials are stacked tightly together and can be framed in with wood and clad in metal for easy handling. The cases are ideal for containerizing and for shipping to your destination. With over 30 years of experience working with customers we will help you to overcome language barriers and geographical divides.



Paphos, Cyprus - Carports
Size: R16-2x80

"My experience with SteelMaster has been superb! It has helped me bring to my clients excellent infrastructure options at better prices and in better conditions. The construction of this system is fast, simple and very efficient. My clients are very pleased. I see great potential for SteelMaster's development in Latin America"

- SteelMaster Costa Rica



South Korea - T-Model, Size: T35-30x74
S-Model, Size: S50-30x140

SteelMaster World-Wide



Headquarters Located
in Virginia Beach Virginia
USA



In its 30 years in business, SteelMaster Buildings has supplied many of its structures to over 35 countries overseas, including Taiwan, Iceland, Korea, New Zealand, Bahamas, Peru, Costa Rica, Nicaragua, Romania, among others. SteelMaster's motivation for pursuing export sales is to continue serving its overseas clients and provide them with high quality buildings at competitive prices. Our design engineers and sales specialists are standing by to assist you with your building project.

Additionally, SteelMaster has a highly qualified multilingual staff to break through language barriers. SteelMaster also counts on the assistance of its overseas distributors who provide specialized local service and technical support. Whether in the United States, or abroad, SteelMaster offers its world class renowned steel arched buildings and roofing systems for every individual's needs and applications.



(800) 341-7007
www.SteelMasterUSA.com

Building Construction

Erection of a SteelMaster building is simple and fast compared to most traditional building construction methods. Our components are made to precise standards of accuracy for easy assembly, saving

time and money. Our construction consultants, renowned for their expertise, are standing by to assist with your project.



SteelMaster Customer Service

When you purchase a SteelMaster building or roofing system, the value of your investment is backed by a team of professionals standing by to serve you. From the moment the need to protect your space or materials arises, we will be ready to walk you through the often complex events required to make your building project a reality. We strive to do this by being easy to do business with and working at all times to make the experience a very positive process. At SteelMaster, our 30 years in business has been sustained by repeat and referral business from our satisfied customers.

Our services include:

- Design assistance and support.
- Certified/ stamped drawings to locations all over the globe.
- Licensed engineers to design for building load requirements.
- Construction professionals standing by to consult on building installation.
- The most extensive vendor/ contractor network in the industry.
- Complete Building packages available at your request.
- Consultation services for “Green” and LEED Certified structures.



(800) 341-7007
www.SteelMasterUSA.com

Total Building Solutions

SteelMaster design specialists are standing by to assist you with a wide variety of building support needs and accessories. Please find below a representative sample of just a few of the options that we can assist you with to complete the final details of your structure.



Doors & Insulation: Batt insulation with proprietary SteelMaster pin and washer securing system. From personnel doors to a variety of canister, overhead and rolling doors, we can meet any requirement.



Skylights: Save on lighting and electricity costs with strategically placed skylights in your building.



Multiple Building Styles: From standard conventional pre-engineered steel buildings to customized structures, SteelMaster offers a wide variety of alternative structures.



Ventilation Options: To insure that your building is properly ventilated, SteelMaster has a wide variety of vent systems to serve the function of your structure.



Mezzanines & Interior Treatments: For cost competitive interior steel mezzanines and secure partitions, SteelMaster can design a system to complement your new building.



Foundation Designs: Your building design specialist is an expert on foundation alternatives to help insure that your overall project expenses are cost effective.

Technical Specs and Certifications

CAPABILITY STATEMENT

COMPANY DESIGNATIONS:

GSA Number:	GS-07F-0458T
Cage Code:	8A2W4
Duns Number:	555569065
NAICS:	444190, 332311
SIC Code:	3448
Quality Assurance:	CAN/CSA A660-4
Florida Product Approval:	#FL5957

COMPANY OVERVIEW:

SteelMaster is a manufacturer and distributor of pre-fabricated steel warehouse and storage buildings with an emphasis on clear span arch structures. Rhae Adams, Jr., President and CEO, founded the company in 1982. SteelMaster designs and manufactures structures ranging from residential carports and covers to applications as complex as aircraft hangars and specialized facilities for the military and NASA. SteelMaster has more than 40,000 buildings on 6 continents worldwide.

COMPANY CAPABILITIES:

- Specialize in buildings from 10' to 150' wide to any length.
- Buildings are clear span and easy to assemble.
- Buildings are portable and can be designed to be liftable.
- Galvalume Plus® product is maintenance free with 30 year warranty.
- In-house design and engineering for non-standard structures.
- Designed to meet wind, live and seismic load requirements worldwide.
- Rapid turn around on high priority projects.
- International distribution expertise.
- Buildings have multiple uses (barracks, storage, office, aircraft hangar, etc.)
- In-house and field construction assistance available.

DESIGN REQUIREMENTS

"International Building Code"; latest edition

Design Criteria: This cold-formed steel building shall be designed based on the "International Building Code," published by the International Code Council, the "North American Specification for the Design of Cold-formed Steel Structural Members," published by the American Iron and Steel Institute (AIS), and the "Minimum Design Loads for Buildings and Other Structures," published by the American Society of Civil Engineers (ASCE 7).

All designs and calculations will be stamped by a licensed Professional Engineer.

Size and fabricate wall and roof systems free of distortion or defects materially detrimental to appearance or performance.

The structures are designed to meet code requirements in effect at the time of purchase. Unless otherwise requested, it will maintain a clear span with no intermediate vertical supports and no intrusion on the floor area.

The structure shall comply with the current version of AISC, AISI, NEMA, and ASTM specifications at the time of manufacturing.

STORAGE AND HANDLING

Materials delivered to the site shall be immediately unloaded and stored on site in a clean dry environment, stored at least 6" above ground in a secure area, well ventilated, protected from the weather and secure from leaning or toppling in accordance with storage guidelines supplied.

WARRANTY

SteelMaster provides a written, mill-backed by Arcelor Mittal 30-year non-prorated warranty for rust perforation due to oxidation of the metal arch building.

MATERIALS

Unless otherwise specified, all standard metal components of the structure including, but not limited to, the arch panels, end wall panels, sliding doors, service doors, door frames, headers, wind and snow bracing, specialty foundation base connectors, and other framing materials are fabricated from Heavy Commercial AZM180/AZ60 minimum triple spot Galvalume Plus steel, in accordance with ASTM A792 & A792M.

Grade Steel	Gauge	Yield Strength (min.ksi)	Tensile Strength (min.ksi)
80	22 & 20	80,000	82,000
50	14, 16, 18	50,000	65,000

Arch Panels: Arch panels shall be precision cold-formed and manufactured to specifications of exacting form and fit. Each arch panel shall be 7.5" or 9.75" deep corrugation with cross corrugations to produce the required curvatures. Arch panels shall be pre-cut, die-punched, and designed to overlap and align perfectly with each adjacent panel. Bolt holes shall be punched 6.9375" apart down each seam with a double row of holes at 9" overlap at every connection. The cross corrugations are alleviated at the overlap to create a weather tight seal. Dimensions above are design dimensions which may vary within tolerable production and construction allowances. Said tolerances also provide enhanced ease of construction.

HARDWARE:

I. Bolt: Zinc Aluminum Hex Flange; Nominal Diameter 5/16" x 3/4" (18 threads/inch). Bolt consists of a hex flange with an indented head to receive the pre-set sealing washer.

Mechanical Properties	Grade 8.2(SAE)
Tensile Strength	150,000 psi
Yield Strength	130,000 psi
Proof Load Test	120,000 psi

Proof Load and Tensile Strength Requirements	Grade 8.2
Proof Load (lb.)	6,300
Tensile Strength (lb.)	7,850

(other bolt options available)

II. Sealing Washer: Low-Density Polyethylene Washer

The washer is pre-set into the bolt and when fastened properly, it will fit within the bolt's head, sealing the bolt to the building and ensuring a watertight fit.

Properties of polyethylene washers

Tensile Strength: up to 2,000 psi

Water Absorption Potential: less than 0.04% when fully exposed and submerged.

Brittleness Temperature: When exposed to less than -180F for prolonged periods.

Softening Temperature: When exposed to 212F for prolonged periods.

III. Nut: 5/16" Hex Locking Nut- Grade 5

COATINGS

Unless otherwise specified, the structure shall be produced from AZM180/AZ60 Galvalume Plus steel. The Galvalume Plus coating, which is applied by the continuous hot-dip process, shall be an alloy consisting of approximately 55% aluminum, 43.4% zinc, and 1.6% silicon by weight.

Galvalume Plus has a clear, organic resin coating, which is applied to both sides. Once applied, the coating is then thermally cured. Galvalume Plus provides a bright, attractive appearance with a fine spangle and gentle sheen. It also reduces the need for lubricating oils during panel-forming which can be dirty and slippery.

Test results qualified Galvalume™ Plus coated steel as an approved roof product by ENERGY STAR Program, both for low-slope and high-slope applications. On newly-manufactured Galvalume™ Plus, heat reflectivity was also rated above the minimum EPA requirement of 0.65. For weathered roofs over three years of age, the solar reflectance also exceeded the minimum EPA requirement of 0.50 for maintenance.



(800) 341-7007
www.SteelMasterUSA.com



(800) 341-7007

www.SteelMasterUSA.com