

ARCHWALL BUILDINGS

MERIDIAN®



MERIDIAN®

ARCHWALL BUILDINGS

PEOPLE.

The driving force at Meridian Manufacturing is the committed ingenuity of employees and dealers, as well as relationships built with our valued customers. Our team takes pride in the work we do and are committed to delivering innovative and reliable storage and handling products.



PRODUCTS

For Meridian Manufacturing, integrity means setting standards in product and service excellence. As a proven industry leader, our commitment to product innovation and customer support is our greatest pursuit.



PERFORMANCE

Our people and products deliver quality performance for you and your operation. We believe that when you are successful, so are we.



MERIDIAN ARCHWALL BUILDINGS

CUSTOM ENGINEERED AND BUILT FOR **YOUR NEEDS**

Meridian ArchWall Buildings are your first choice for versatile, custom engineered storage. Using 100% steel construction and easy to assemble and expand, the Meridian ArchWall building can store it all: Vegetables, Hay, Grain, Fertilizer, Equipment & more.

Archwall buildings are anchored to the foundation using a die-formed footing channel, the most practical method available, making construction easier while allowing for future expansion. This unique system also supports the use of larger wall and roof panels, ensuring watertight seams and maintenance-free performance.

ARCHWALL BUILDING FEATURES

- ISO certified
- Spans: 40', 50', 51' 62', 68'
Vegetable spans: 51', 62', 68', 90', 102' & 112'
- Heavy-duty roof & wall panels
- 4.5" Corrugation, 3.5' Panel Width
- Galvanized and pre-painted options
- Easy access doors
- Simple to follow construction & foundation details specific to each building
- Bolt-down, formed footing channel for easy connection to foundation
- Wide range of building accessories available



Footing Channel

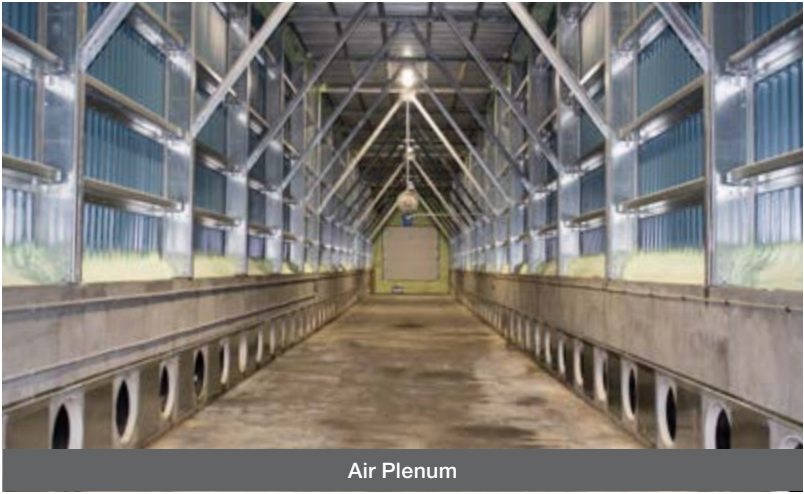


EXPANSION VERSATILITY Your Meridian ArchWall can be easily expanded at any time simply by unbolting the existing end-wall, adding new arch sections and replacing the original end-wall.

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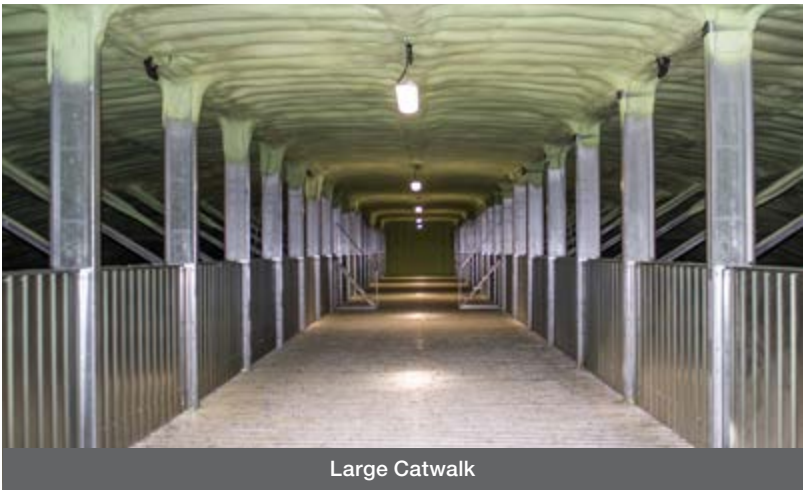
**MAXIMUM SIZE & VERSATILITY:
MERIDIAN ARCHWALL SUPER SINGLE**



Air Plenum



Separate Storage Bays



Large Catwalk



Separate Storage Bays



The patented (CDN 2990094) Meridian Super Single is our largest, most versatile building. The Super Single is a massive single span building, achieving its size by incorporating a central interior tower structure.

This single span structure allows for two large bays, and can be designed with a shared-air plenum or an independent environment for each bay. The tower also creates a safe and secure catwalk for easy access and inspection.

The double bay design offers an efficient, smaller energy footprint than two separate buildings, reducing initial power and water setup costs.

Like our standard ArchWall buildings, each Super Single is uniquely designed for your specific needs. Meridian's engineers and drafting team will create the perfect building for your operation.

Meridian Super Single ArchWall buildings are available in 90'-120' widths, custom to your needs.



MERIDIAN ARCHWALL BUILDINGS ARE THE BEST STORAGE ENVIRONMENT FOR YOUR VEGETABLES



Single Span Vegetable Buildings



Shared Double Buildings



Internal Fan House



Air Floor



Canopy



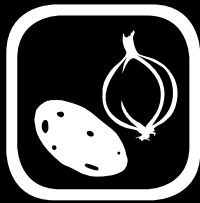
External Fan House



Catwalk



Swinging Bulk Doors



Meridian's ArchWall Buildings offer vegetable producers efficient, versatile and economical storage. Meridian ArchWall buildings are available in a single building or shared double-building design. Standard ArchWall single buildings are available in sizes up to 250,000 cwt.

For producers who require flexible storage, Meridian's shared double-buildings can be designed to store a variety of vegetables in each building. The double-building design features a shared external plenum with capacities up to 500,000 cwt., suitable for large or small operations.

Let us create a building suited for your needs. Customize your ArchWall with options such as internal or external fanhouses, heating and refrigeration, doors, canopies, color panels and more. Don't settle for just any building, choose a Meridian ArchWall that's made for you.

Single Span Meridian ArchWall buildings are available in 51', 62' & 68' widths.



PROTECT YOUR IRON WITH
MERIDIAN ARCHWALL



Keep your equipment maintained and out of the elements, (out of the weather) with a Meridian ArchWall Building. ArchWall buildings are designed for cold or heated equipment storage, and allow for expansion if your storage needs grow.

ArchWall steel buildings offer more durability and security than wooden pole shed buildings. With a variety of door and end-wall options, choose the best building design for your storage needs.





MADE FOR YOUR FARM:
MERIDIAN ARCHWALL



Wrangler Buildings



Open-End Hay Storage



Custom Designed Dairy Barn



Custom Designed Open Barn



Meridian ArchWall Buildings offer livestock producers high quality buildings that can be used for shelter, hay storage, treatment facilities and more. The durable and sturdy designs ensure generations of use on your farm.

Whether you are looking for simple open-ended hay storage or a state of the art dairy barn, our team will work with you and your contractors to develop the right building for your operation.



ARCHWALL BUILDINGS OFFER
VERSATILE GRAIN & EQUIPMENT STORAGE



Roof Vents



Auger Feed



Door Options



Loading Hatch



When you need mega storage for your grain or fertilizer, look no further than a Meridian ArchWall Building. ArchWall grain & fertilizer buildings provide the space to store product quickly at large volumes, with the option for equipment or other storage needs, offering flexibility and a faster return on your investment.



**BUILD THE SHOP OF
YOUR DREAMS** WITH A
MERIDIAN ARCHWALL



Meridian ArchWall Buildings provide great heated work areas, aircraft hangars, equestrian facilities, recreation centers and more. Our innovative Meridian engineers and design team look forward to creating the perfect ArchWall building for your business, pastime or recreational needs. Contact us today to learn more about our unique ArchWall building experience.



**POUND FOR POUND THE HEAVIEST
BUILDING** OF ITS KIND:
THE **ARCHWALL WRANGLER**

The Meridian ArchWall Wrangler is a tough, versatile, open and accessible building. Whether you're looking for a durable livestock shelter, hay storage, equipment storage or more, the Wrangler delivers, with simple straightforward construction.

The Wrangler is 36' deep and available in a variety of lengths to suit your requirements. The Wrangler is also the heaviest building of its kind on the market.

ARCHWALL SECURSTOR



**FIRE & VERMIN PROOF
UTILITY STORAGE:
ARCHWALL SECURSTOR**



The Meridian ArchWall SecurStor is the perfect utility storage for your business, home, acreage and more. These 22 gauge galvanized steel buildings are strong, simple to erect, affordable and better suited for your location than other small storage options. SecurStor buildings are virtually fire proof, vermin proof and maintenance-free.

STANDARD COMPONENTS FOR ALL BUILDINGS	LOADS	STANDARD: LIVE 40 psf WIND 20 psf HEAVY: LIVE 80 psf WIND 20 psf	STANDARD: LIVE 21 psf WIND 20 psf HEAVY: LIVE 65 psf WIND 20 psf
	BASIC WIDTH	11'-5.5"	14'-10"
	BASIC LENGTH	11'-2" & 24'-10"	24'-10"
	BASIC HEIGHT	8'	8'
	STANDARD FINISH	GALVANIZED	
	OVERHEAD DOOR FRAME (ONE ONLY)	9'X7' N.L.B. (END-WALL ONLY)	
	COLOUR OPTION	POLAR WHITE	
OPTIONS	WALK-IN DOOR & FRAMES, 9'X7' SECTIONAL OVERHEAD DOORS, VENTS & ADAPTERS		

ARCHWALL TOYSTOR



**PICTURE YOUR NEXT
RECREATIONAL STORAGE
WITH AN ARCHWALL TOYSTOR**

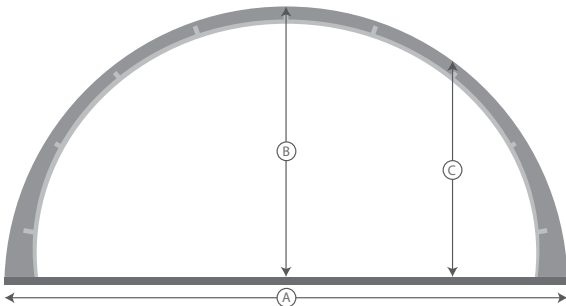


The Meridian ArchWall ToyStor is an affordable, versatile building with endless options. Maintenance-free all steel construction, quick and simple assembly time and a wide variety of colour and trim options, these buildings are perfect for your garage, shed, utility storage, chemical storage and more!

STANDARD COMPONENTS FOR ALL BUILDINGS	LOADS	40 psf SNOW LOAD	35 psf SNOW LOAD
	BASIC WIDTH	26'-4"	32'-11"
	BASIC LENGTH	11'-3'	10'-3"
	BASIC HEIGHT	17'-2"	18'-6"
	STANDARD FINISH	GALVANIZED	
	OVERHEAD DOOR FRAME (ONE ONLY)	10' x 12'	14' x 12'
	COLOUR OPTION	POLAR WHITE	
OPTIONS	WALK-IN DOOR & FRAMES, VENTS & ADAPTERS		

ARCHWALL MODEL SPECS

A SPAN	B PEAK HEIGHT	C MAX. GRAIN LEVEL ON SIDEWALL	INSIDE FLOOR AREA	REQUIRED CONCRETE WALL WIDTH	CORRUGATION	FINISH	AVAILABLE GAUGES
40' 12.2 m	18'-2" 5.5 m	12' 3.7 m	39 ft²/ft 11.89 m²/m	8" 203 mm	4 ½" 114 mm	Galvanized Polar white	22 – 16
50' 15.2 m	20'-0" 6.1 m	2' 0.6 m	49 ft²/ft 14.94 m²/m	8" 203 mm	4 ½" 114 mm	Galvanized Polar white	22 – 14
51' 15.5 m	17'-5" 5.3 m	10' 3.0 m	50 ft²/ft 15.24 m²/m	8" 203 mm	4 ½" 114 mm	Galvanized Polar white	22 – 14
62' 18.9 m	20'-8" 6.3 m	10' 3.0 m	61 ft²/ft 18.59 m²/m	8" 203 mm	4 ½" 114 mm	Galvanized Polar white	20 – 14
68' 20.7 m	23'-0" 7.0 m	10' 3.0 m	67 ft²/ft 20.42 m²/m	8" 203 mm	4 ½" 114 mm	Galvanized Polar white	20 – 14



90'-120' span custom designs available. Contact archwall@meridianmfg.com for more information.

DOUBLE SLIDING DOOR SIZES

SPAN	DOOR WIDTH	WIDTH METER	HEIGHT	HEIGHT METER	STEMWALL HEIGHT REQUIRED
40' Span	16' 10"	5.13m	14'-15'	4.27m-4.57m	0 - 1'
	20' 3"	6.17m	14'-16'	4.27m-4.88m	0 - 2'
	23' 8"	7.21m	14'-15'	4.27m-4.57m	1' - 2'
50' Span	16' 10"	5.13m	14'-18'	4.27m-5.49m	0 - 2'
	20' 3"	6.17m	14'-18'	4.27m-5.49m	0 - 2'
	23' 8"	7.21m	14'-18'	4.27m-5.49m	0 - 3'
	27' 1"	8.26m	14'-18'	4.27m-5.49m	0 - 4'
51' Span	16' 10"	5.13m	14'-18'	4.27m-5.49m	0 -4'
	20' 3"	6.17m	14'-18'	4.27m-5.49m	0 - 5'
	23' 8"	7.21m	14'-18'	4.27m-5.49m	1'-5'
	27' 1"	8.26m	14' - 18'	4.27m	2' - 6'
	16' 10"	5.13m	14'	4.27m-5.49m	0 - 1'
62' Span	20' 3"	6.17m	14'-18'	4.27m-5.49m	0 -1'
	23' 8"	7.21m	14'-18'	4.27m-5.49m	0-2'
	27' 1"	8.26m	14'-18'	4.27m-5.49m	0-2'
	30' 6"	9.30m	17' 6"-19' 6"	5.64m-5.94m	4'-5'
	16' 10"	5.13m	14'-18'	4.27m-5.49m	0
68' Span	20' 3"	6.17m	14'-18'	4.27m-5.49m	0
	23' 8"	7.21m	14'-18'	4.27m-5.49m	0
	27' 1"	8.26m	14'-18'	4.27m-5.49m	0
	30' 6"	9.30m	17' 6" , 19' 6"	5.64m	1'-3'
	40' 9"	12.42m	17' 6" , 19' 6"	5.33m-5.94m	3'-5'
	16' 10"	5.13m	14'-18'	4.27m-5.49m	0

OVERHEAD DOOR SIZES

SPAN	DOOR WIDTH	WIDTH METER	HEIGHT	HEIGHT METER	STEMWALL HEIGHT REQUIRED
40' Span	16' 10"	5.13m	14'-15'	4.27m-4.57m	0-1'
	20' 3"	6.17m	14'-16'	4.27m-4.88m	1'-3'
	23' 8"	7.21m	14'-15'	4.27m-4.57m	2'-3'
50' Span	16'-10"	5.13m	14'-18'	4.27m-5.49m	0-2'
	20' 3"	6.17m	14'-18'	4.27m-5.49m	0-2'
	23' 8"	7.21m	14'-18'	4.27m-5.49m	0-3'
	27' 1"	8.26m	14'-18'	4.27m-5.49m	0-4'
51' Span	16' 10"	5.13m	14'-18'	4.27m-5.49m	0-4'
	20' 3"	6.17m	14'-18'	4.27m-5.49m	0-5'
	23' 8"	7.21m	14'-18'	4.27m-5.49m	2'-6'
	27' 1"	8.26m	14' - 18'	4.27m	3' - 7'
	16' 10"	5.13m	14'-18'	4.27m-5.49m	0
62' Span	20' 3"	6.17m	14'-18'	4.27m-5.49m	0-1'
	23' 8"	7.21m	14'-18'	4.27m-5.49m	0-2'
	27' 1"	8.26m	14'-18'	4.27m-5.49m	1'- 6", 2' - 6'
	30' 6"	9.30m	19'-20'	5.79m-6.10m	4'- 6", 5' - 6"
	16' 10"	5.13m	14'-18'	4.27m-5.49m	0
68' span	20' 3"	6.17m	14'-18'	4.27m-5.49m	0
	23' 8"	7.21m	14'-18'	4.27m-5.49m	0
	27' 1"	8.26m	14'-18'	4.27m-5.49m	0
	30' 6"	9.30m	19' - 20'	5.79m-6.10m	1'-6", 2' - 6"
	40' 9"	12.42m	19' - 20'	5.49m-6.10m	4'-6", 5'- 6"
	16' 10"	5.13m	14'-18'	4.27m-5.49m	0

HIGHLIGHTS

- ISO Certified
- Spans: 40', 50', 51' 62' & 68'
- Heavy-duty roof & wall panels
- Galvanized and pre-painted options
- Easy access doors
- Simple to follow construction & foundation details specific to each building
- Bolt-down, formed footing channel for easy connection to foundation
- Wide range of building accessories available

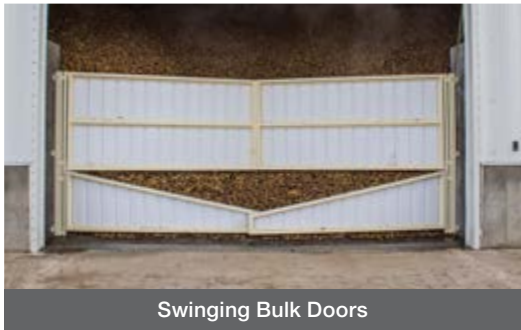
ACCESSORIES FOR YOUR MERIDIAN ARCHWALL

- Top mounted loading hatches
- Stationary ventilators

DOOR OPTIONS



Bi-Fold Door



Swinging Bulk Doors



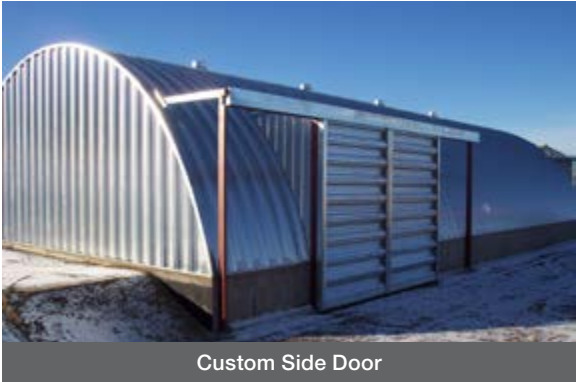
Hydraulic Door



Double Slide Door



Triple Slide Door



Custom Side Door

MISCELLANEOUS OPTIONS



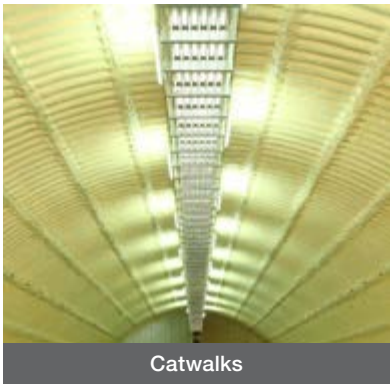
Custom Color Panels



ArchWall Cannonball



Staircases



Catwalks

DON'T SETTLE FOR JUST ANY BUILDING, CHOOSE A

MERIDIAN ARCHWALL THAT'S **MADE FOR YOU.**



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