



Agricultural Ventilation Systems



Natural Ventilation for
Optimal Animal Health

Agricultural Ventilation Systems



Table of Contents

- GALLERY OF CURTAIN SYSTEMS . . . 6
- DOUBLE ROLL-UP 8
- CENTER ROLL-UP 10
- DROP & ROLL 12
- SINGLE ROLL-UP 14
- CURTAINS FOR CALF NURSERIES . 16
- PARLOR CURTAINS 18
- ENVIRON-TECH CONTROLLERS . . . 19
- GALVANIZED CURTAIN DOORS . . . 20
- CURTAIN COMPONENTS 21-22
- CURTAIN DRIVES 21
- GALVANIZED WIRE 22
- FANS AND BRACKETS 23





Sturdy Built Ventilation Systems are produced in our Denver, PA manufacturing facilities using high quality materials, precision machinery and experienced fabricators. Our In-house manufacturing enables us to maintain a high level of quality control throughout the entire manufacturing, assembly, and shipping process.

Take advantage of natural ventilation! Browse our selection of curtain systems to implement long-term solutions for your existing or new facilities. Each custom-fit system is convenient to install and built to withstand harsh environments.



Fabricating
Curtain
Systems
In-House
Since 2005



Benefit from Quality Fresh Air Year-Round!

Ventilation inside any dairy housing structure, whether it is a calf raising facility, heifer barn or a free stall barn, is of utmost importance. Fresh air is crucial! A constant supply of fresh air is needed to achieve their maximum potential. Poorly ventilated livestock buildings create an unhealthy environment which in turn affects milk production and quality.

Sturdy Built Ventilation Systems are designed to conveniently manage air quality inside the barn year round. Our exclusive Sturdy Built design incorporates durable curtain material, galvanized doors, aluminum keder tubing, and hot-dipped galvanized mounting hardware. Our nearly indestructible curtain systems are proven for many years in various applications. Contact your local representative for more details and assistance.



Sturdy Built Quality



- 1** - Premium-Quality 16 oz. Super Clear Curtain Material
- 2** - Aluminum Keder Tubing Roll-up System
- 3** - Galvanized Curtain Doors provide easy drive accessibility
- 4** - Birdwire is hot-dipped galvanized after welding
- 5** - Manual or Electric Drives
 - Nylon Belt or Galvanized Steel Tubular Curtain Restraints
 - (Optional) Intelligent Environ-tech Curtain Automation





See Pg.
#8

Double Roll-up

Used primarily on free stall barns with high side walls, the Double Roll-up Curtain is a maintenance-free system with convenience and flexibility. The 70:30 lower and upper variable height allows the air to enter the barn at a higher level in cooler weather, minimizing uncomfortable airflow. The lower portion can be rolled up for maximum ventilation during warm summer months. The cable-free design pays back with less upkeep and increased functionality.



See Pg.
#10

Center Roll-up

The Center Roll-up Curtain is designed especially for the gable ends on free stall barns, or on any facility where overhead clearance is needed. The durable wind restraint system keeps curtain material secure even during inclement weather.



See Pg.
#12

Drop & Roll

The Sturdy Built Drop & Roll Curtain is an economical and reliable solution for barns with medium height side wall openings and is most commonly used for calf, heifer and tie stall barns, or for crossovers in free stall barns. This curtain allows for air movement top only, bottom only or both.

Single Roll-up

Frequently used in gable ends for tunnel ventilation, the Sturdy Built Single Roll-up Curtain is cost-effective and works well for any facility where top ventilation is not needed.

 *Benefit
from Quality
Fresh Air
Year-Round!*



See Pg.
#14

Calf Nursery Curtains

- Windbreaker Curtain
- Arctic Front Curtain (shown)



See Pg.
#16

Parlor Curtains

Sturdy Built offers various insulated parlor curtain designs to fit your milking center, keeping your parlor clean and comfortable year round.

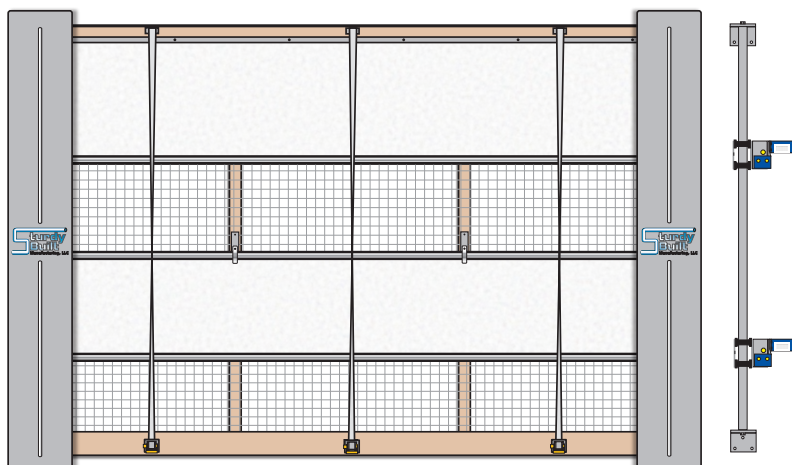


See Pg.
#18

Double Roll-up



Used primarily on free stall barns with **high side walls** (8 ft. or greater), the Double Roll-up Curtain by Sturdy Built is a maintenance-free system with the convenience and flexibility to keep your herd comfortable and healthy. The 70:30 lower and upper variable height allows the air to enter the barn at a higher level in cooler weather, minimizing uncomfortable airflow. The lower portion can be rolled up for maximum ventilation during warm summer months. The cable-free design pays back with less upkeep and increased functionality.



Double Roll-up *Specifications*

- Top curtain rolls up completely, allowing full height air movement
- Bottom curtain rolls up completely to stationary keder tubing
- Bottom keder tubing is mounted on building support posts, eliminating the need for additional 2 x 6 board in curtain opening
- Keder tubing rolls curtain material smoothly and evenly
- Compatible with manual or electric drives
- Galvanized curtain doors provide easy drive accessibility
- 16 oz. super clear vinyl curtain material (standard)
- Durable, close-fitting nylon belt wind restraint system firmly secures curtain material. Convenient winches allow for fast tightening at any time



Environ-Tech
Automation by Sturdy Built Mfg.



Center Roll-up



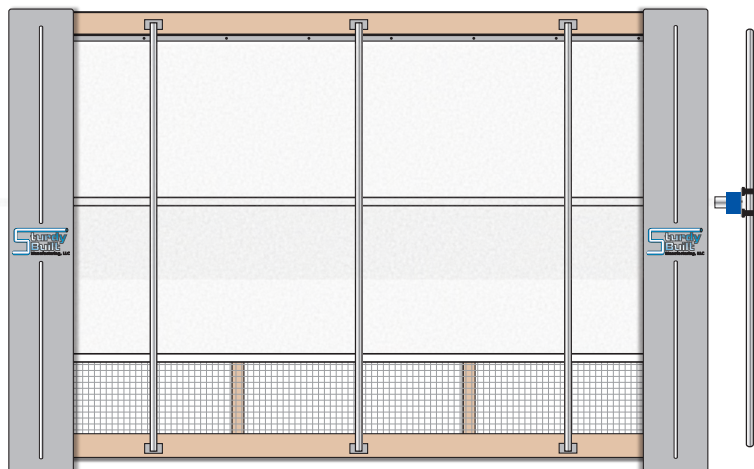
The Center Roll-up Curtain is designed especially for the gable ends on free stall barns, or on any facility where overhead clearance is needed. The durable wind restraint system keeps curtain material secure even during inclement weather.





Center Roll-up *Specifications*

- Both top and bottom curtains roll up completely onto top header, providing high clearance for equipment access
- Keder tubing rolls curtain material smoothly and evenly
- Compatible with manual or electric drives
- Galvanized curtain doors provide easy drive accessibility
- 16 oz. super clear vinyl curtain material (standard)
- Durable, galvanized steel wind restraint system keeps curtain material secure



Drop & Roll

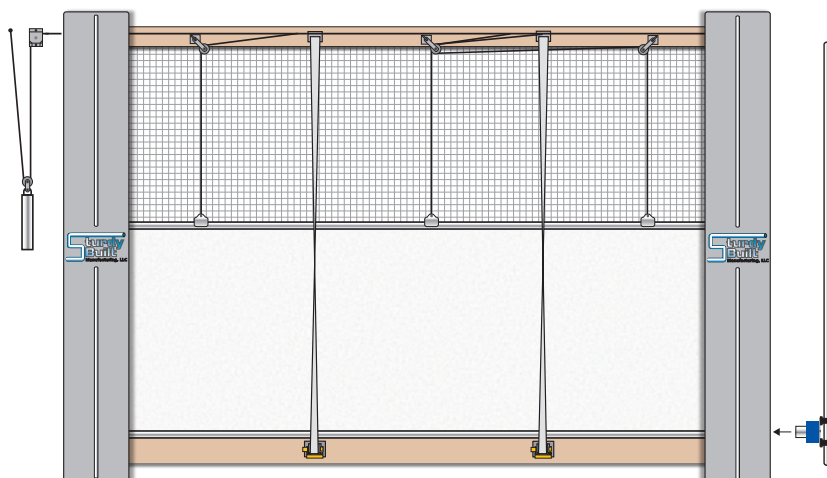


Shown with Rope Wind Restraint System

The Sturdy Built Drop & Roll Curtain is an economical and reliable solution for barns with medium height side wall openings and is most commonly used for calf, heifer and tie stall barns, or for crossovers in free stall barns. This curtain allows for air movement top only, bottom only or both.



Environ-Tech
Automation by Sturdy Built Mfg.

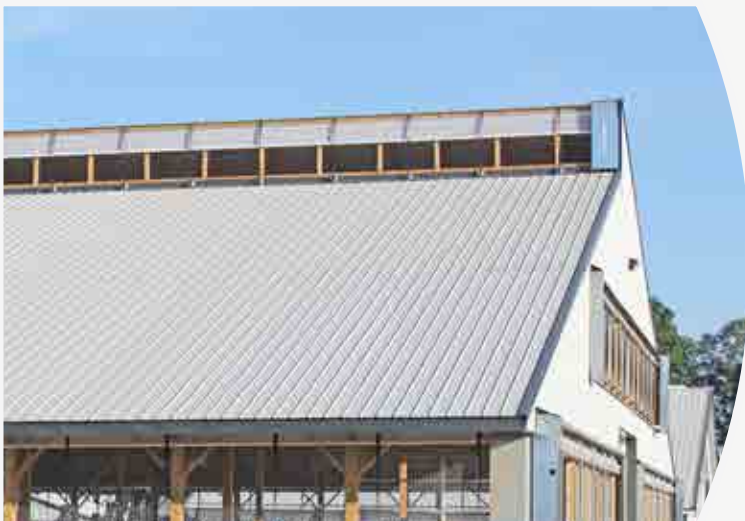


Drop & Roll *Specifications*

- Drops for air movement at top only, bottom only or both
- Rolls up completely onto top header for summer storage
- Keder tubing rolls curtain material smoothly and evenly
- Compatible with manual or electric drives
- Galvanized curtain doors provide easy drive accessibility
- 16 oz. super clear vinyl curtain material (standard)
- Durable, close-fitting nylon belt wind restraint system firmly secures curtain material. Convenient winches allow for fast tightening at any time



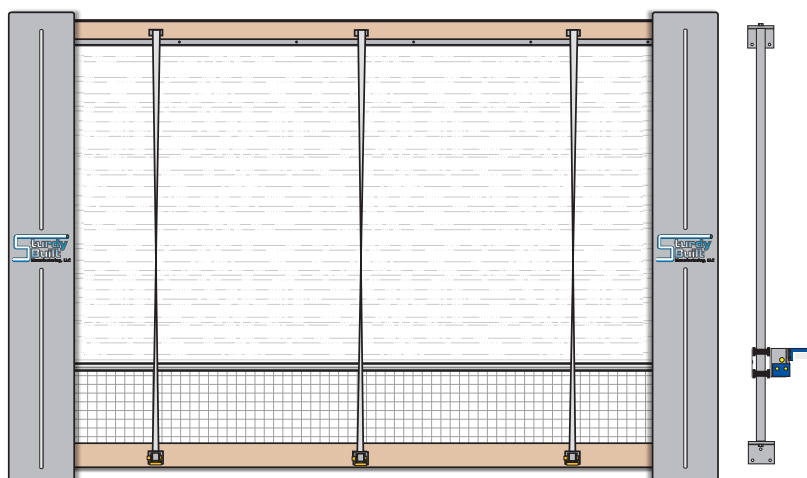
Single Roll-up



Frequently used in gable ends for tunnel ventilation, the Sturdy Built Single Roll-up Curtain is cost-effective and works well for any facility where top ventilation is not needed.



Environ-Tech
Automation by Sturdy Built Mfg.



Single Roll-up *Specifications*

- Rolls up completely onto top header for summer storage
- Keder tubing rolls curtain material smoothly and evenly
- Compatible with manual or electric drives
- Galvanized curtain doors provide easy drive accessibility
- 16 oz. super clear vinyl curtain material (standard)
- Durable, close-fitting nylon belt wind restraint system firmly secures curtain material. Convenient winches allow for fast tightening at any time



Windbreaker Curtain (for Calf Nurseries)



The Sturdy Built Windbreaker curtain system works well with the conventional Sturdy Built calf nursery design. This curtain rolls down to the top of the calf gates, protecting calves from chilly winds and winter weather. The tubular wind restraint on each building support post protects and secures the curtain material. This curtain can readily be adjusted at any time to accommodate various weather conditions.

Arctic Front Curtain (for Calf Nurseries)



Closes Fully to Protect in Stormy Weather!

The Sturdy Built Arctic Front Curtain system provides protection against extreme conditions and allows the farmer to care for the calves inside! The curtain is easily rolled up and down as necessary to create a partially or fully open environment with natural air flow. The double tubular wind restraint system secures the curtain while providing adequate skidloader access for pen cleanout.



Milking Parlor Curtain Systems



- Electric motors or manual chain drives
- 4-layer insulated material



Inside Milking Parlor. Shown In Closed Position

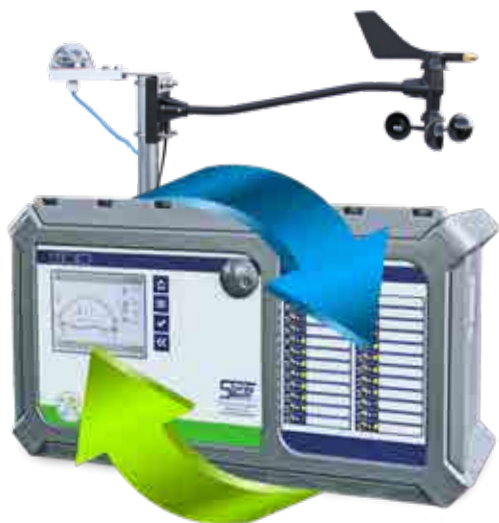
Sturdy Built offers various insulated parlor curtain designs to fit your milking center, keeping your parlor clean and comfortable year round.



Controller Systems



Environ-Tech
Automation by Sturdy Built Mfg.



- Forced, natural, and tunnel ventilation compatibility
- Multiple models offering a range of functions
- Built-in control for variable speed fans
- Timer controlled switches turn lights on/off
- Manually operated switches allow user to override automation
- Memory protection in case of power failure
- Unit communicates with your farm computer network for easy access from your desktop



Efficiency
for the Modern Operator!

Control

- » Tunnel Fans
- » Curtains
- » Overhead Fans
- » Sprinklers
- » Lighting

Monitor

- » Temperature
- » Wind Speed
- » Rain



Galvanized Curtain Doors



Drive Door

- 14 ga. galvanized construction
- Ribbed design for additional strength
- Easy bolt-together installation
- Convenient steel spring latches
- Durable heavy-duty bolt-on hinges



Sturdy Built galvanized curtain drive and tail doors are manufactured in multiple lengths to fit specific curtain openings. The practical hinging design and hand latches provide easy drive access. The doors protect the drive assemblies, lengthening the life of the drive mechanisms, and reduce air flow behind the curtain. Hinging doors are available for the left or right drive ends, and center doors are optional for longer curtains.

Tail Door



Curtain Components

Aluminum Keder Tubing

Sturdy Built curtain systems are manufactured with keder tubing as a standard component. The keder tube roll-up system provides ease of installation and years of dependable operation. The hem of the curtain material slides easily into the keder tube and does not require connecting fasteners that will damage the curtain material. Our bolt-together curtain drive adapters are machined to fit snugly inside, ensuring slip-free, everyday operation.



Curtain Material

16 oz. Super Clear

- “Super Clear” fabric allows sunshine to enter, providing a natural environment for livestock
- Polyester woven scrim provides core strength during stormy conditions and temperature swings
- Single piece design (no horizontal splices)
- Matte finish does not attract dirt
- Superior UV Resistance



Bolt-together Keder Adapter

Easily detaches for repair or maintenance

Curtain Drives



Choose the curtain drive that works best for your application; we offer left, right, or center gear drives, available in both electric or manual. The cord guide track for electric drives helps to keep the wiring safe while the drive is traveling. For faster adjustment, manual drives can be operated with a cordless drill.



Electric



Manual

Curtain Components

Hot-Dipped Galvanized Welded Wire



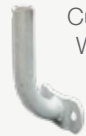
We stock multiple sizes of durable bird wire for any height of side walls. Quality wire protects curtains from damage by cows and helps to prevent birds from entering the building. Sturdy Built wire is hot-dipped galvanized after welding to ensure many years of corrosion-free use. Standard size is 2 in. x 1 in.

Tubular Galvanized Wind Restraint System

Galvanized wind restraint tubes and mounting brackets provide superior strength on buildings with high side-walls. Top brackets bolt directly to the top header, and the bottom brackets can be fastened to either the concrete floor or to the building curb where the curtain does not need to extend to ground level.



Top
Wind Pipe
Insert



Curb Mount
Wind Pipe
Insert



Floor Mount
Wind Pipe
Insert



Top Mounting
Bracket for
Wind Retention
Strapping

Curtain
Strapping
Winch



Nylon Belt

Wind Restraint System

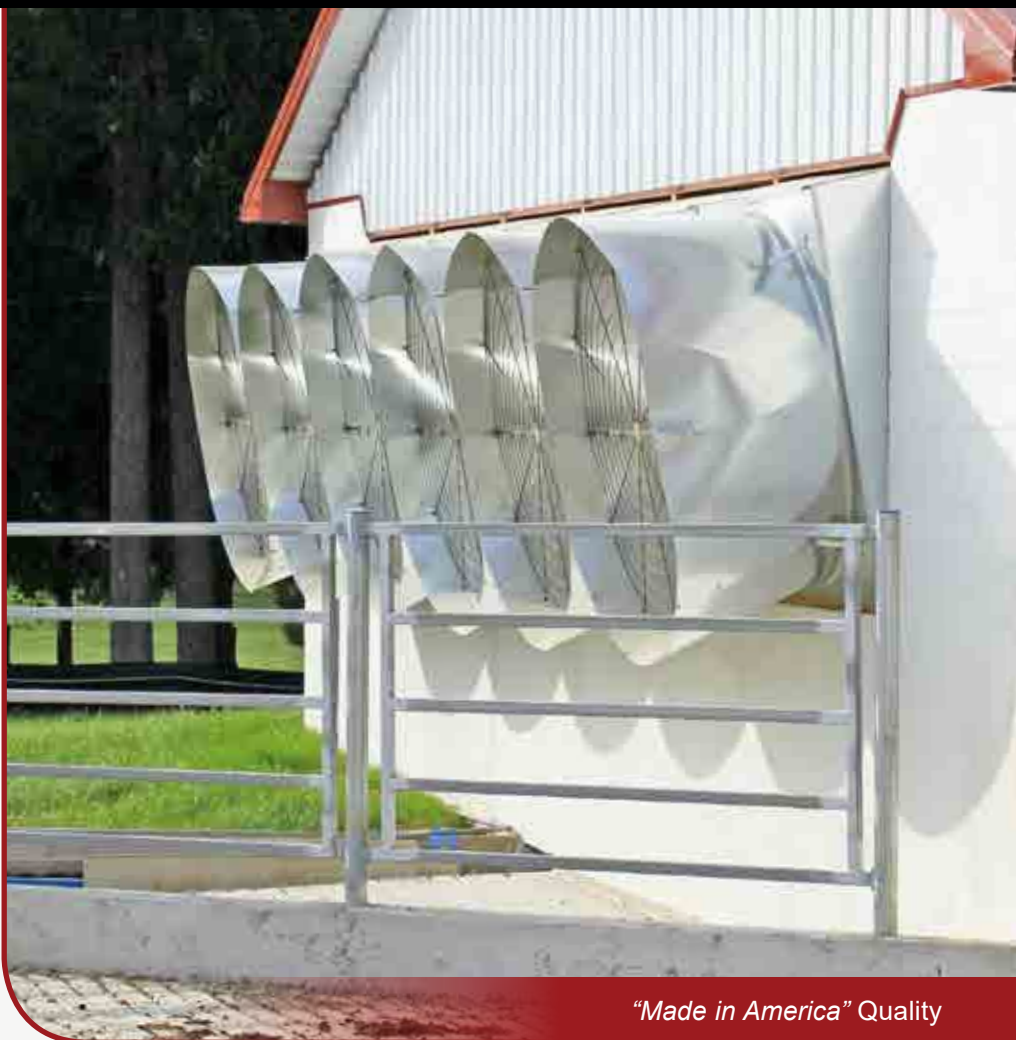
The nylon wind restraint belt is a flexible and durable curtain restraint option. Our heavy-duty belting is firmly fastened on the top header with locking mounting brackets. The bottom is secured to the winches where it can be conveniently tightened and adjusted as necessary.

Fans and 3-Axis Brackets

Tunnel Fans



**Circulating Fans with
Cast Aluminum Blades**



"Made in America" Quality

Sturdy Built offers a line of high quality, high efficiency fans for ventilation in barns, designed for providing uniform air movement and to increase cow comfort and production in hot weather. Frigid weather and changing seasons require reduced air flow, which is controlled with optional variable speed motors.



Fan Mounting Bracket with Three-Axis Adjustment available for I-Beams, Round Posts, and Wooden Posts

~ Benefit from Quality Fresh Air All Year ~



See all of our Equipment Guides for more Sturdy Built Galvanized Dairy Solutions!

Calf Nurseries • Curtain Systems • Free Stalls • Gates & Fencing • Headgates & Chutes • Herd Control & Vet Care • Robotics • Tie Stalls



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