



Pre-Fab Calf Nursery

Equipment Guide



*Creating an environment where
thriving is normal!*



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GALVANIZED

The Sturdy Built ADVANTAGE

Welcome to our Calf Raising Equipment Guide. On the following pages, we feature the Calf Nursery from Sturdy Built, a turnkey solution for raising calves in an ideal environment. Our steel structure, pen arrangement, and ventilation system have all been designed to enhance the health and well-being of your future dairy cows.

See our broad range of galvanized equipment for group housing and robotic calf feeding systems, as well as innovative ventilation systems to increase calf health and comfort year-round.

Feel free to contact a representative with any questions and to discuss calf raising solutions to increase future productivity on your dairy.





***Calf Health is
Everything!***

Fresh Air ■ Protection ■ Cleanliness

The foundational building blocks of the Sturdy Built Calf Nursery



Unlock the Key Benefits of

South-Facing Steel Roof

provides shade in summer and sun in winter.



Fresh Air All Year

Dual-Function Curtain System designed for calf comfort in a wide range of climates.



Galvanized Steel Frame

Resistant to harboring mold, rot, termites, and various other disease-causing bugs.

Purlins are designed to eliminate bird roosts.



Your Calf Nursery!



Individual Calf Zones

prevent nose to nose calf contact, reducing potential spread of germs.

Gate-in-a-gate design allows easy individual calf access with built-in headlocks for dehorning, deworming and vaccinations.



Easy to Clean, Wash, and Disinfect

Main gates open wide for fast cleanout with a skidloader.



Smooth hard surfaces of steel frame and poly panels can be power washed and disinfected, promoting calf health and cleanliness.

Did You Know?

Bovine Coccidiosis occurs most frequently in calves that are three weeks to six months of age. These bugs commonly cause profuse diarrhea, sapping the animal of much needed nourishment for critical growth and development. Consider this Fact: 25% of a calf's lifetime weight gain and 50% of its lifetime height increase occur in the first six months of its life. Choose a Calf Nursery with its non-porous steel and poly surfaces that help to prevent the spread of these disease-causing bugs. Coccidiosis Oocysts can harbor on porous wooden surfaces for up to one year.



Coccidia Oocyst
(microscopic view)



Calf Nursery Construction

Customized Building Design

With attention to detail, our design team will transform the needs of your operation into customized solutions that enhance your calf-care program.



Delivered to Your Site

Ready-to-assemble calf nursery kits are packaged to utilize trailer space for cost-efficient freight across the continent.



Concrete Base

Concrete prints are provided.

Calf nurseries can be erected on a floating concrete pad in most localities.





Heavy Duty Screw Anchors

Steel structure is secured to concrete with heavy-duty galvanized screw anchors, eliminating the need to wet set anchors when pouring concrete.



Steel Frame Erection

The calf nursery design incorporates a convenient, bolt together approach that reduces construction time. No welding required for assembly.



Metal Roofing and Siding

- 26 Gauge painted roof panels
- 28 Gauge painted siding panels (many color options available)



Strength. Functionality. Durability.





Specifications and Dimensions

- 1** - 2" x 4" Roof Purlins
- 2** - 11' - 11' 6" Front Height for 8' Deep Nursery
11' 6" - 12' Front Height for 10' Deep Nursery
- 3** - 3/12 Roof Pitch
- 4** - 8' 6" or 10' 6" Deep
- 5** - 7' Minimum Height for Skid Loader Access
- 6** - 4" x 4" Columns
- 7** - 4" x 6" Rafters
- 8** - 6' 6" Overshot
- 9** - 18" - 24" High Curbs
- 10** - Front Concrete Apron
- 11** - Rear Drop & Roll Curtain Ventilation System
- 12** - (Optional) Front Arctic Front Curtain System
- 13** - (Optional) Front Windbreaker Curtain System



(see page 12)



(see page 13)

Insulated Feed Rooms

Feed Storage • Equipment Storage • Bottle Prep Area



Your Choices for Your Needs.

<i>Dimensions</i>	✓
<i>Location</i>	✓
<i>Window(s)</i>	✓
<i>Door(s)</i>	✓

The Sturdy Built Calf Nursery Feed Room is an ideal location for adding hot water access and any calf care accessories that streamline your everyday operations.



Feed Room Specifications

- Steel Framing and Purlins
- R20 Foil Backed Insulation
- Poly Sheeting on interior walls and exterior walls adjoining calf pens
- 28 ga. Metal Siding on remainder of exterior walls



Door Options

- 6' Insulated Double Door (with windows)
- 3' Insulated Single Door (with windows)
- Insulated Overhead Garage Door

Window Options

- 24" x 36" Slider Windows (custom sizes available)

Arctic Front Curtains



Closes fully to protect
in Stormy Weather.
Roll up for Sunny Days.

Extreme Weather Protection for You and Your Calves

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.



Inside Barn with Curtain Closed

Windbreaker Curtains



A Comfortable, Controlled Environment for the Next Generation

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.



Sturdy Built Drop & Roll Curtains



*Benefit from Fresh Air
Year-Round!*



Good ventilation and fresh air are critical to the health of your calves. Sturdy Built offers innovative curtain systems that help you get the right results.



- Specially designed for the needs of calves in changing weather
- Drops for air movement at top only, bottom only or both
- Rolls up 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



Calf Nursery Custom Options



Storage Bay at End of Calf Nursery



Deeper Transition Pens at End of Calf Nursery

*More Flexibility on
our Innovative Animal
Housing Systems*



*We customize
for your
specific needs.*



Sturdy Built Galvanized Transition Barn

Your Choices for Your Needs.

<i>Building Size</i>	✓	<i>Pens/Layout</i>	✓
<i>Metal Colors</i>	✓	<i>Ventilation</i>	✓
<i>Feedroom</i>	✓	<i>Accessories</i>	✓

The Possibilities are Endless!



10' x 404' • Gettysburg, PA



(2) 10' x 96', (2) 10' x 108' • Lancaster, PA



10' x 312', 10' x 324' • Williamsburg, PA

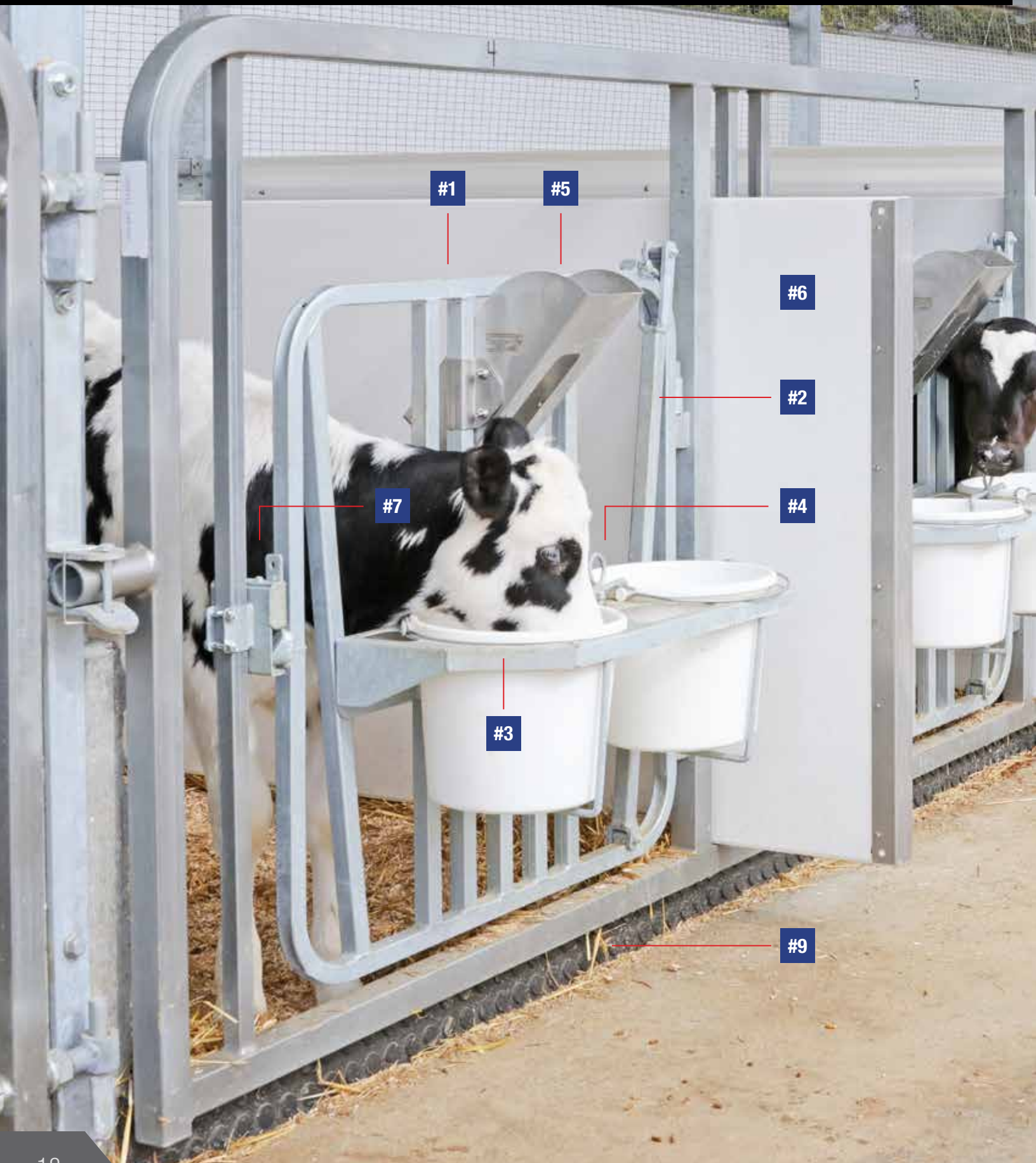


10' x 192' • Cambridge, Ontario



10' x 108' • Richland, PA

Sturdy Built Calfgates





- 1 - Divided Entry openings minimize feed and water contamination
- 2 - Individual Headlocks for dehorning, deworming and vaccinations
- 3 - Adjustable Height Bucket Racks allow simple height adjustment for growing calves
- 4 - Bucket Retainers minimize feed and water spills
- 5 - Stainless Nipple Bottle Holders receive bottles securely for convenient hands-free feeding
- 6 - Poly Divider Panels prevent calves from passing disease from nose to nose. Removeable for group housing
- 7 - Two-Way Latches allow individual calf gates to swing open wide
- 8 - Adjustable female hinge pins allow for precise leveling of large gate frames
- 9 - Bedding Retainers provide a cleaner work area by keeping bedding where it belongs

*Individual Pens Reduce
Social Stress and
Disease Exposure.
Giving Your Calves the
Start they Need!*



Unique Gate-in-a-Gate design makes calf handling simple and reduces cleanout time

Calfgate Configurations

Your Choices for Your Needs



Pen Width and Depth



Divided Entry



Single Entry



5' Frame Height Shown

Pen Configuration

Pen Width

Main Frame Gates Built to Fit
from 7' to 16'

Pen Width Choice of 36" to 48"
(48" is standard)

Pen Depth

Choice of 8' or 10' Deep

Divided or Single Entry

Divided Entry*

For 48" Pen Width Only

Single Entry

For 36" to 48" Pen Width

*Divided Entry Openings Minimize
Feed and Water Contamination

Frame Height

Choice of 4', 5' or 6'
(Standard is 4')



12' Calfgate with (3) Divided Entry Interior Gates



12' Calfgate with (4) Single Entry Interior Gates

Calfgate Accessories



Stainless Nipple Bottle Holders



8-Quart Buckets



Braden Milk Bar 1



Double Hayracks
16" width



Spring-Loaded
Bucket Retainers



Removeable Poly Divider Panels



Rubber Bedding Retainer
with Mounting Hardware



*The Better
Way to
do Chores!*



Group Housing for Larger Calves

Ease of Transition for a Strong Start

Small group housing is a vital part of any successful calf-raising program. In this short-term transition stage the calves become acclimated into a group setting before being transferred to larger heifer barns. The environment allows them to learn drinking from waterers and define their individual eating areas with less competition, reducing stress and supporting early growth and subsequent health.



Slant Bar Feed-Through Gates



Sized for larger calves and small heifers, slant bar feed-through gates allow calves to get accustomed to group feeding while in familiar surroundings.



- The 9" diagonal divider bar spacing gives adequate access to feedtrough while positioning their heads for minimal feed waste.
- 18" bottom panel supports the feedtrough and helps retain bedding.

Accessories for Group Housing



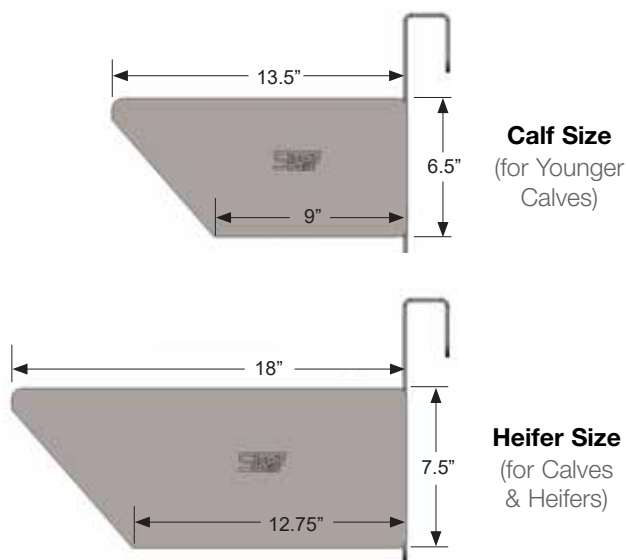
Group Pens with Divider Gates and Waterer



Divider Gates for Transferring Calves Between Pens

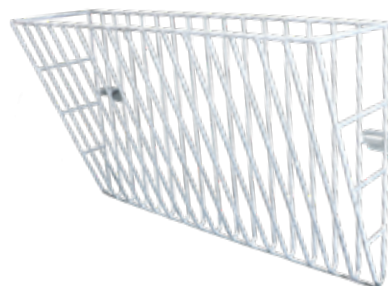
Feed Troughs

- 14 Gauge Hot-Dipped Galvanized
- 2 Standard Size Options
- Stainless Steel Feed Troughs also available



Galvanized Hayracks

- Hayracks can be mounted in or outside pens
- Designed to hang above feedtrough, allowing calves to feed from underneath
- Available in 48" and 72" width



Automatic Insulated Waterers



Group Housing and Feeding Systems for Calves



Innovation for Robotics

Sturdy Built works closely with your feeding equipment dealer to provide smart solutions that optimize the routine feeding and handling of young calves in robotic and free-choice layouts. Properly designed arrangements will include adequate ventilation as well as aid in providing a clean, dry and comfortable resting area, a vital component for starting and keeping calves healthy. Contact Sturdy Built for assistance in integrating automation in your facilities.



Calf Headlocks • Slant Bar Feed-Through Gates & Panels • Gates & Fencing with 2" x 4" Galvanized Wire
Round Tubing Gates & Panels • Individual Headlock Gates • Feed Troughs and Waterers

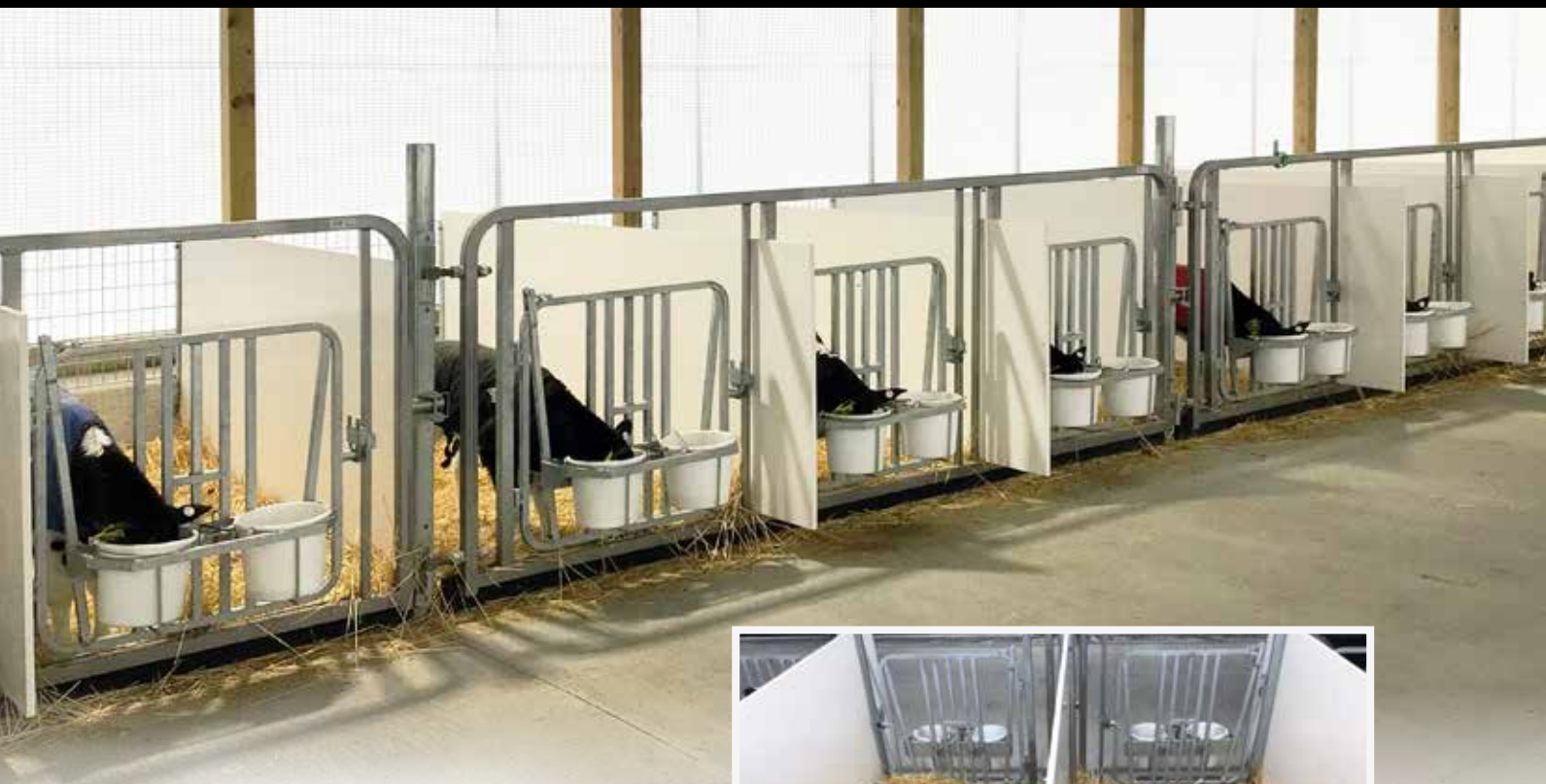


“Hands-free”
One-way
Man Access Gate



Calf Headlocks for
dehorning in group
pens. Made to fit
any opening size.

Sturdy Built Calf Gates for Any Building



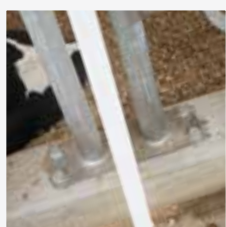
Customized for your application, Sturdy Built Calf Gates are the trusted choice for many types of new or existing buildings. We will custom design and build to fit your pen width, gate depth, Custom-fit calf-care solutions are built tough, make the job easier, and offer better cleanout access.



Your Choices for Your Needs

- Pen Width
- Pen Depth
- Mounting Type

See pages 18-21 for more calf gate specifications.



Floor Mounted Calf Gate System

Sturdy Built Calf Shuttles

for Small Animal Transport



Calf Shuttle Features

- Pick up the small animals in pasture or maternity area and carry them to the nursery
- Take them from the nursery and load them on the truck to transport to the grower or auction
- Rubber floor for animal comfort and traction; promotes easy cleanout
- Strong and lightweight sanitary poly doors
- Works with forks on all sides
- Optional skid loader quick attach or 3 point attachment
- Standard Size is 4' x 6' and fits well on pickup bed – Shipping Weight is 550 lbs.



*Convenient Transport
from Farm to Market!*





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



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