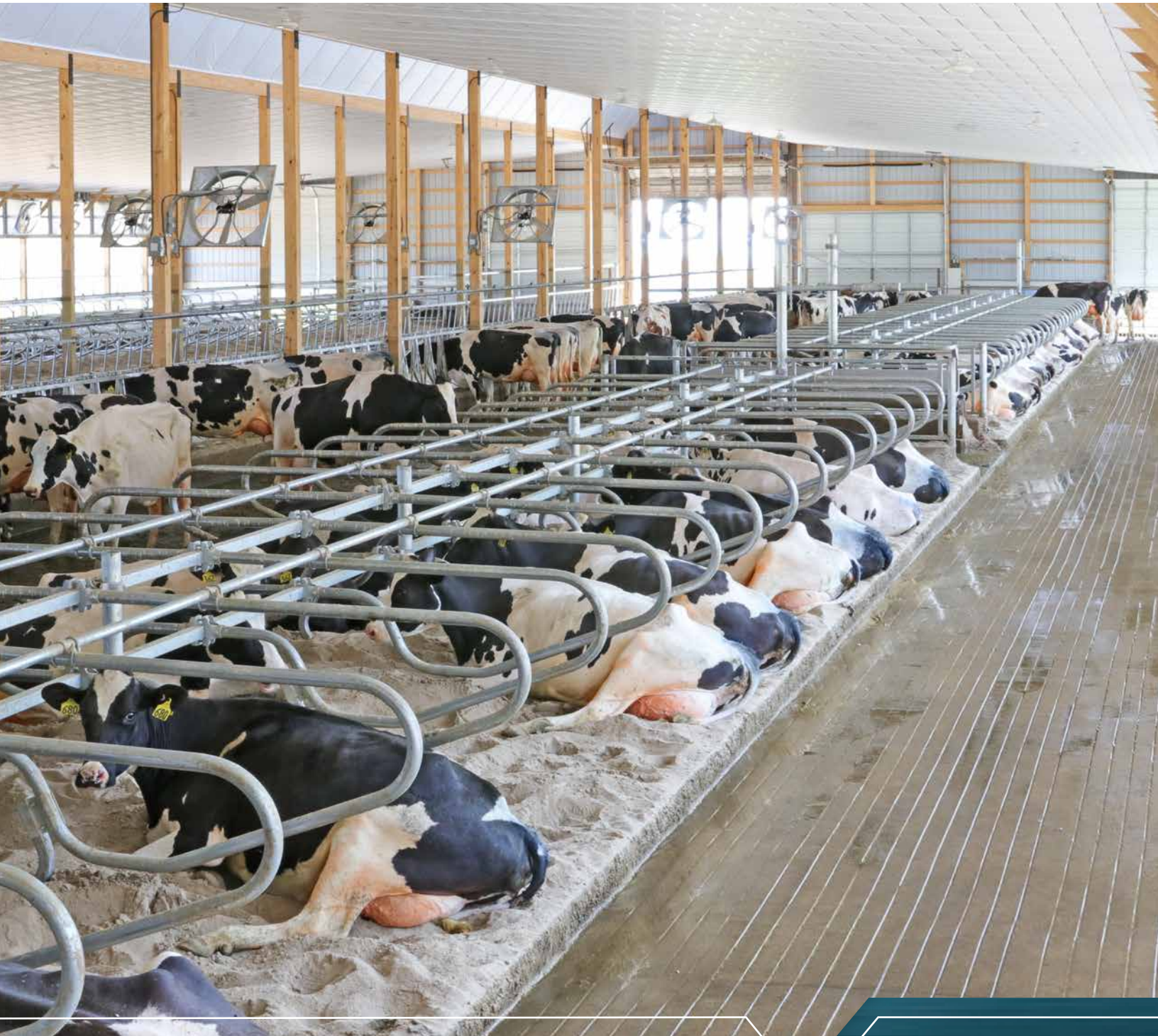




Free Stall Barn

Equipment Guide



*Improve Your Dairy Production
with Durable Engineered Equipment*



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The Sturdy Built ADVANTAGE

The Free Stall Barn is an important part of the modern dairy operation. Dairy cows spend the majority of their time in the free stall barn—eating, resting, and doing what cows do best: making milk.

In this Free Stall Equipment Guide from Sturdy Built, we present our line of dairy equipment solutions.

We continue to add new products and refine our equipment with two goals:

- Dairy equipment needs to stand the rigors of modern dairy farming and last for many years. High quality manufacturing materials and processes are important.
- Dairy equipment must be functional and solution-oriented for an efficient dairy operation. Cow comfort and safety are important priorities.

It is our hope that Sturdy Built equipment can improve your dairy experience, the welfare of your herd, and ultimately, your bottom line.

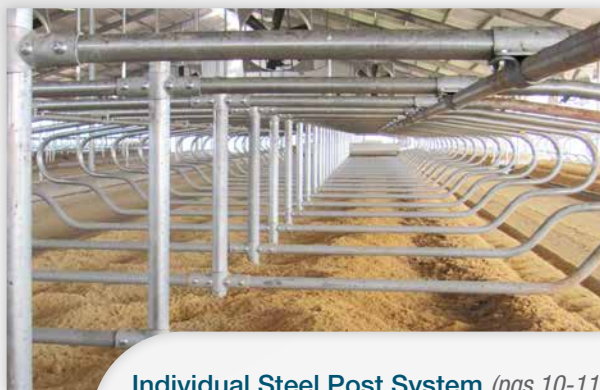


Designed for Cow Comfort

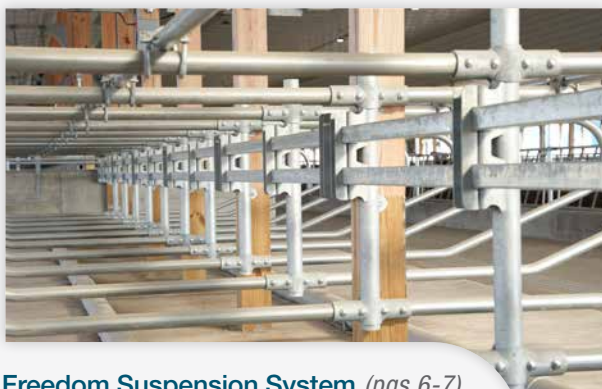
Mounting Systems



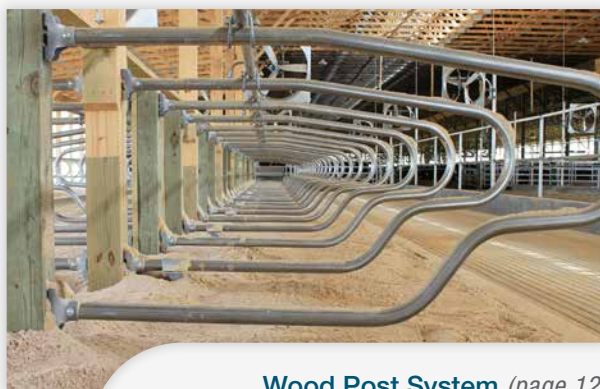
Bolt-together Installation
Requires No Welding on Jobsite!



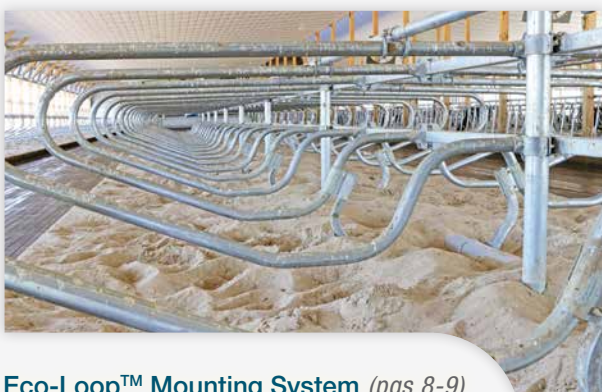
Individual Steel Post System (pgs 10-11)



Freedom Suspension System (pgs 6-7)



Wood Post System (page 12)



Eco-Loop™ Mounting System (pgs 8-9)



Continuous Rail System (page 13)

- Precision formed loops using 2.375" OD 10 gauge high-tensile galvanized steel tubing
- Your choice of materials
 - Fabricated from tubing galvanized on both interior and exterior; UV coating offers added protection in corrosive environments
 - Fabricated from black tubing, then hot-dipped galvanized
- Custom loop styles and lengths available

Free Stall Loops | Milk Producing Herds



ecc loop™

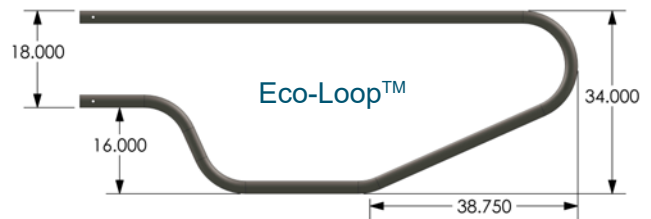
*4-Bend
Liberty Loop*

*5-Bend
Liberty Loop*

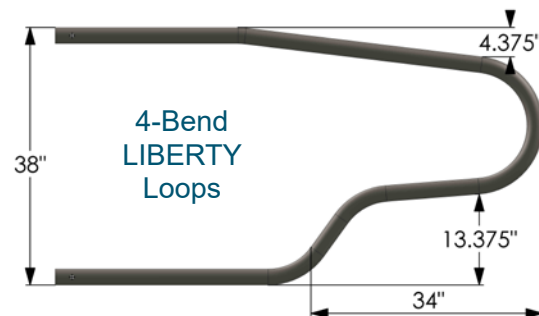
Conventional

Ask us about Custom Loop Options!

With our in-house bending capabilities we can readily manufacture to match your existing bend preferences. Custom lengths and specifications also available on request.

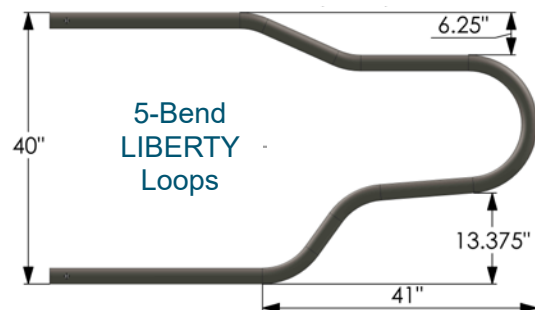


An Ergonomic Stall Divider with an Elevated Mounting System for Recycled Sand and Compost Bedding

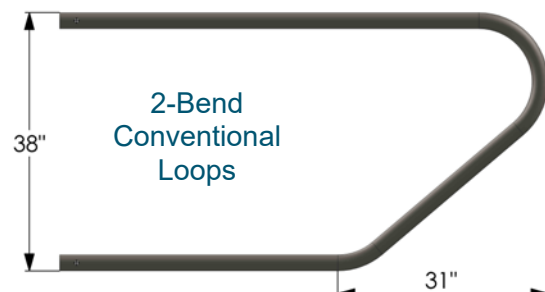


“A Unique, Ergonomic Design”

- Reduces uncomfortable pressure points while cows are resting
- Minimizes bruising when lying down or getting up



The 5-Bend Liberty Loop has all the great features of the 4-Bend Liberty Loop and is the ideal choice for herds with larger than average cows.

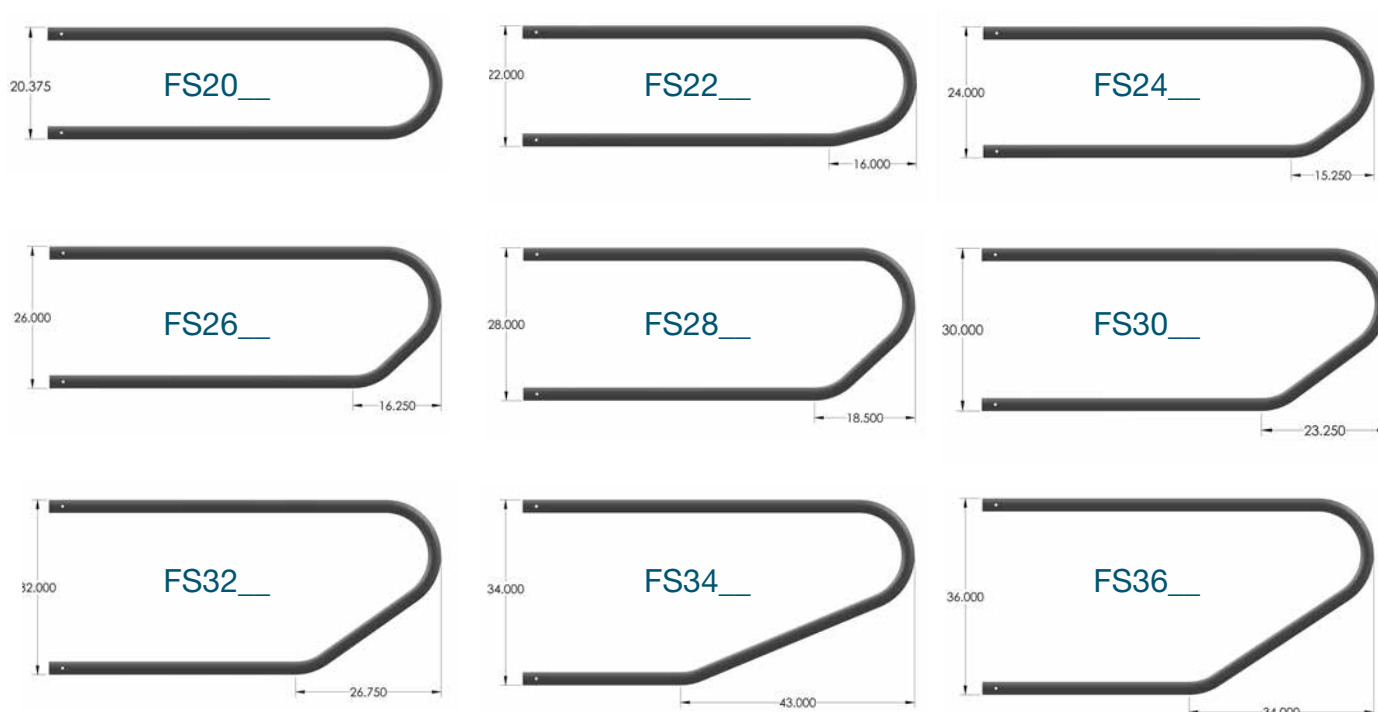


The Conventional Free Stall Loop Divider is most often used in barns for younger herds, although it is suited for any herd size.

Free Stall Loops | Younger Herds to Milk Producing Herds

Modern heifer barn layouts with designated free stall resting areas are space-saving, provide for better herd observation, manure management, and incur less bedding costs. Research reveals that 4-6 month old heifers adapt well to free stalls. Most importantly, heifers that learn early to use the stalls also adapt better to the milking group after calving.

Sturdy Built free stall loops for heifers are available in a wide range of size options, both in stall height and length. Be sure to select dimensions based on the size of the heifers that will leave the group rather than the size at group entry.



***6' Free Stall Loops shown. Broad selection of lengths available.**



Many Stall Height and Length Options, Custom Sizes Available

Freedom Suspension Mounting System

“A Solid Solution in Cow Comfort”



The **Freedom Suspension Free Stall Mounting System** is a high-strength mounting system that provides an open front with generous lunge room. Radial clamps allow for stall height adjustment. Stall width may be adjusted on the square double mounting rails.

Free Stall mounting posts are clamped onto the mounting rails. *The bottom of mounting post is elevated to keep out of the stall bedding, increasing the longevity of your free stall system.*



Mounting Hardware



**Bolt-on to Wood
Support Posts**



**Bolt-on to Wood
Support Posts**



Clamp-on Steel Mount



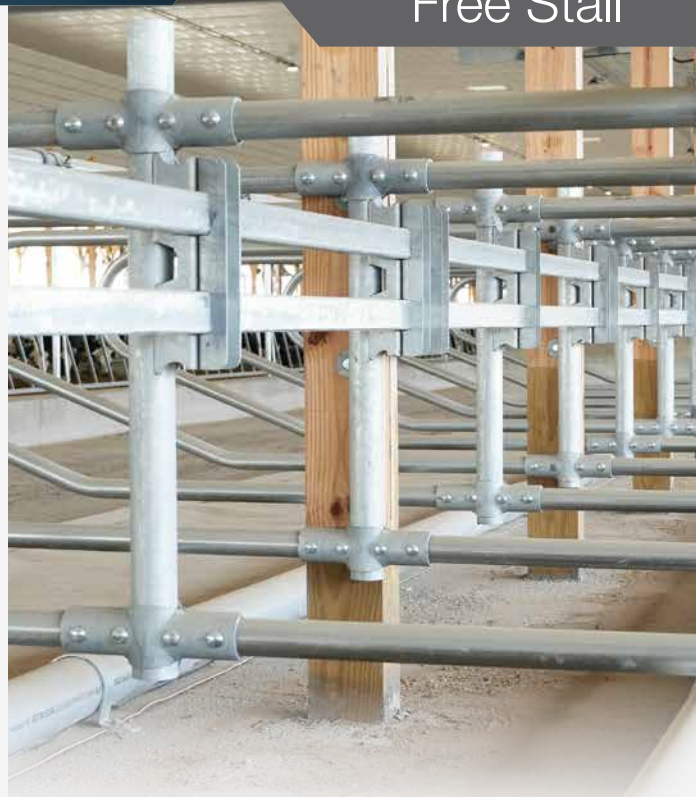
**Support Post Assembly
(Choice of Double
or Single Row)**



Freedom Suspension System

*Featuring the
Exclusive
Sturdy Built
Support Post*

- **No U-bolts.** A stronger, tighter connection
- Rugged, formed channel forms a vice bite, securely binding the horizontal rails together
- Powerful compression design secures stall loop
- Ideal for head-to-head or single stall rows

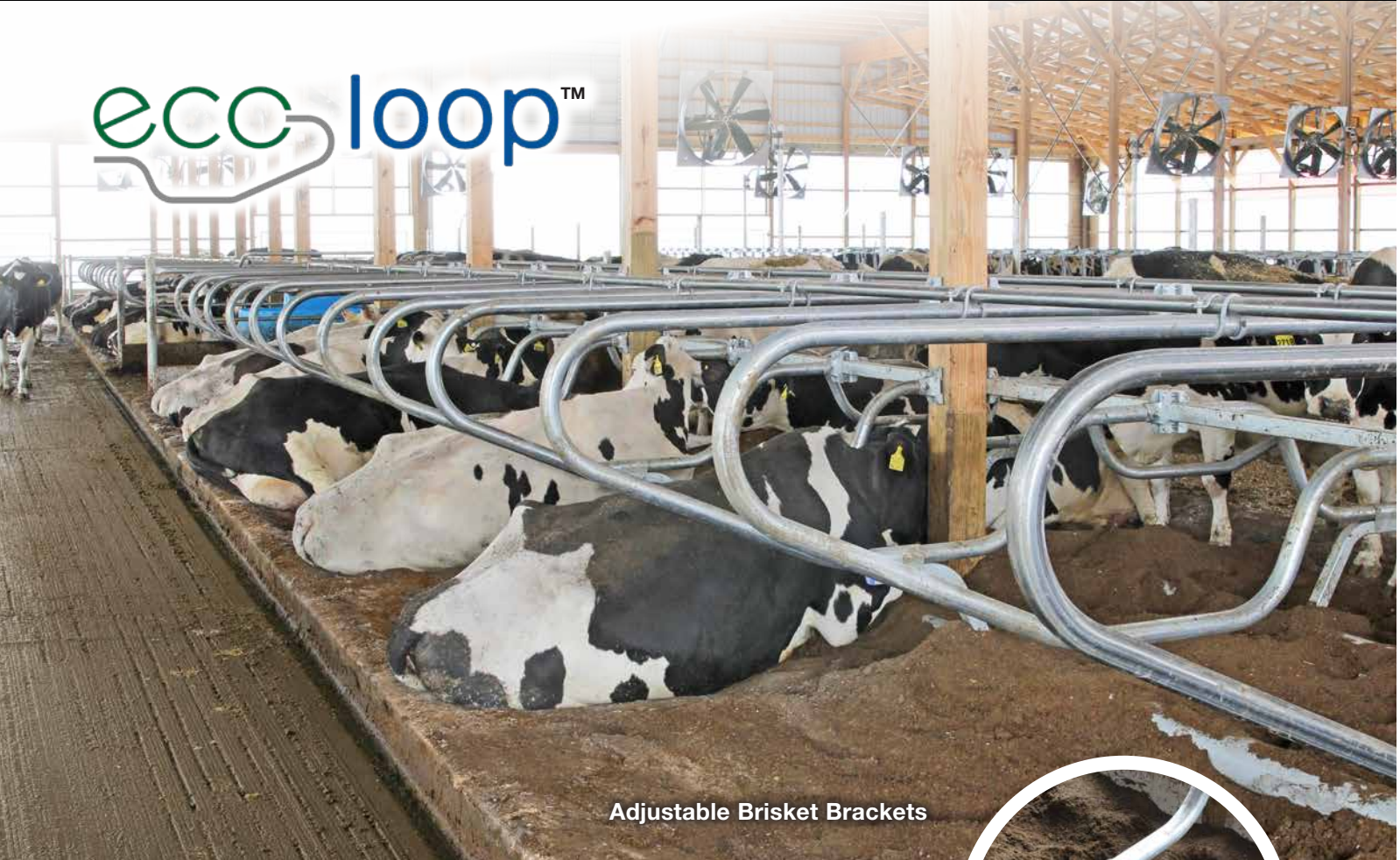


**Suspended
for Longevity!**



**Sturdy
Built**
Manufacturing, LLC

Eco-Loop™ Free Stall System



Adjustable Brisket Brackets



An Ergonomic Stall Divider with an Elevated Mounting System for Recycled Sand and Compost Bedding

The **Sturdy Built Eco-Loop™** features all the cow comfort advantages of the Sturdy Built Liberty Loop and Freedom Rail Suspension System. It is the perfect partner for recycled sand and compost bedding. The mounting attachments are elevated above the bedded area to extend stall life.



Mounting Hardware

Secures continuous mounting rail to wood posts



Rail Mounting Clamp



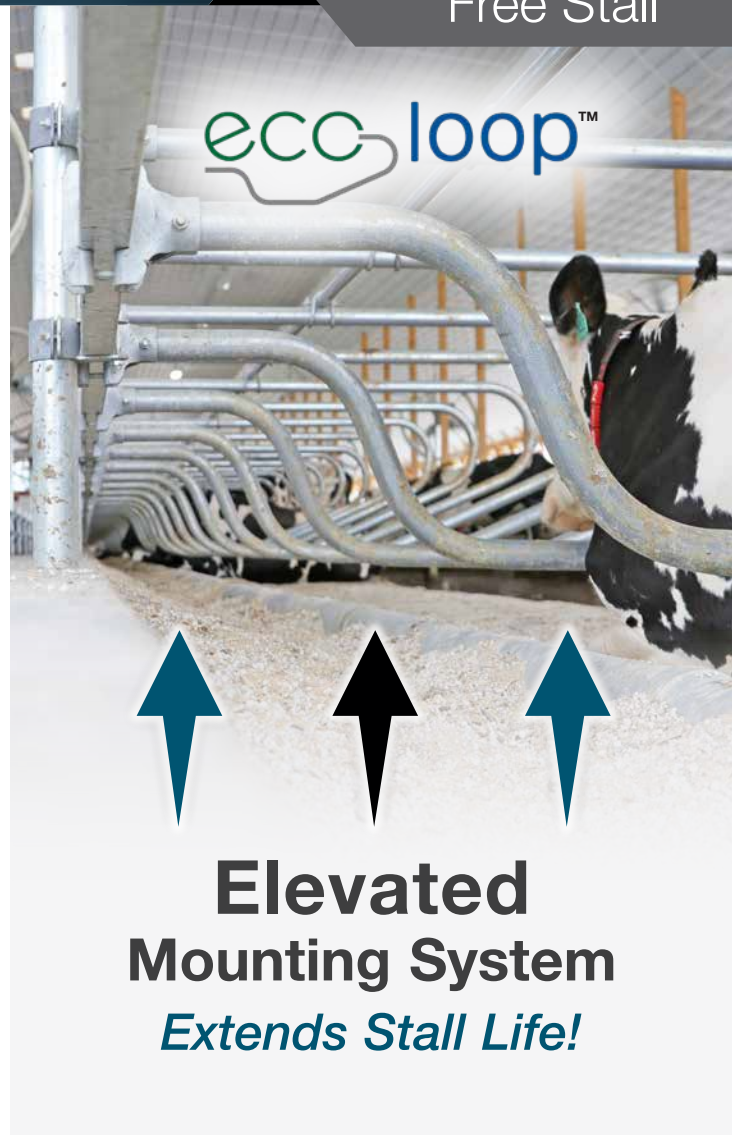
Double Geo Clamp



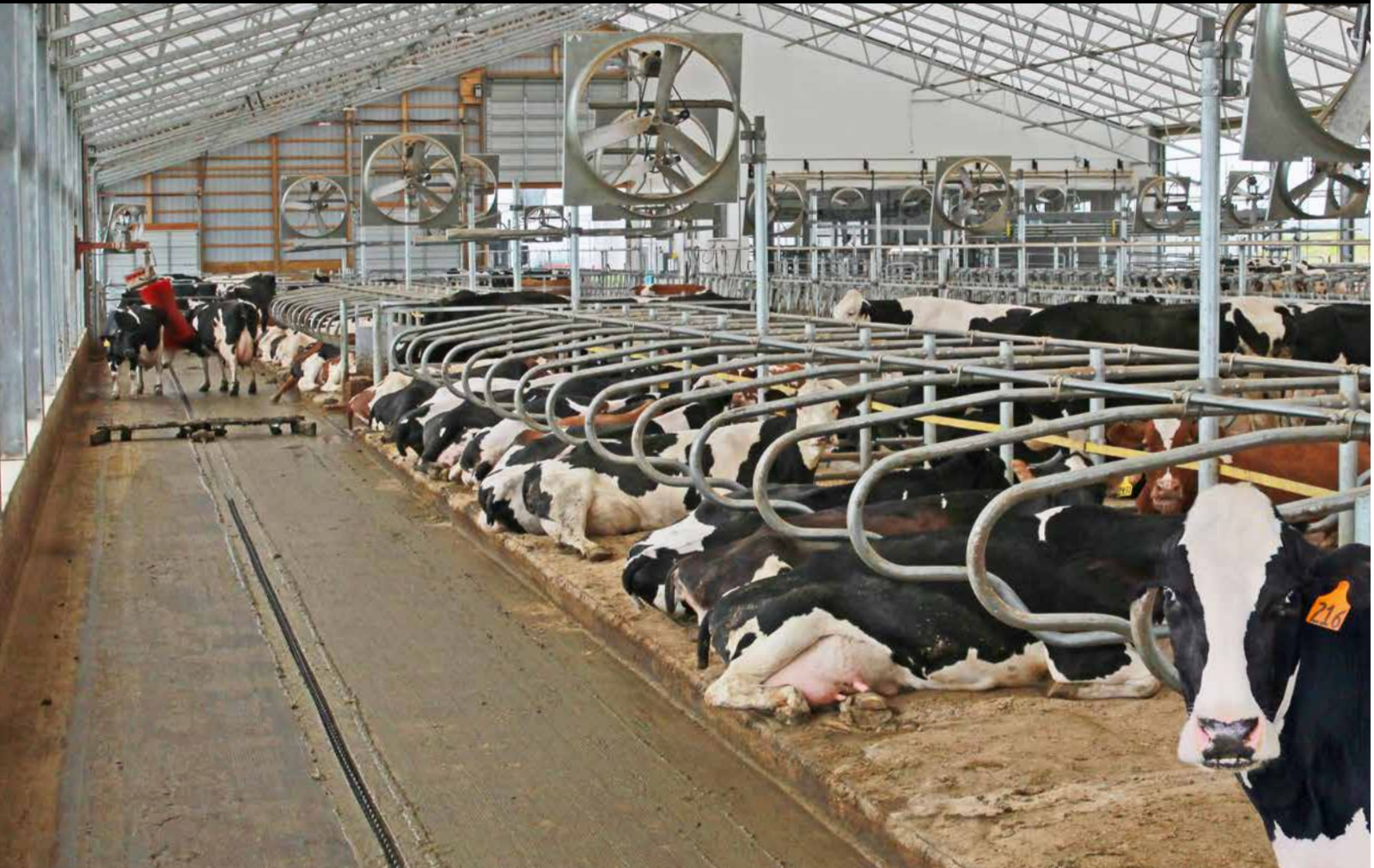
Single Geo Clamp



Multiple **Eco-Loop™** Loop Height Options



Individual Steel Post Mounting System



The **Individual Steel Post Free Stall Mounting System** consists of heavy-wall galvanized mounting posts which are set into the concrete floor. The adjustable radial clamps are clamped on the vertical posts. The radial clamps allow for simple vertical stall height adjustment anytime. This mounting option also allows for adequate lunge room and eliminates welding on the jobsite.



Mounting Hardware

- Hot-dipped galvanized
- Available for double and single free stall rows
- Precision formed for efficient installation and superior grip



Double Radial Clamp



Single Radial Clamp



Open Front
= *Generous
Lunge Room*



4-Bend Liberty Loops

Wood Post Mounting System



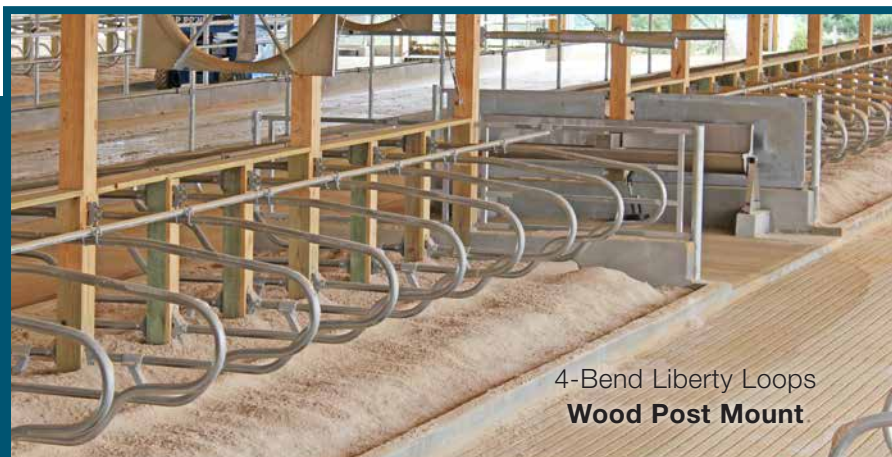
The **Wood Post Free Stall Mounting System** requires an individual wooden post for mounting each divider loop. The geo clamp securely fastens the divider loop to each wood post. This system works well for single or double free stall beds.



Mounting Hardware

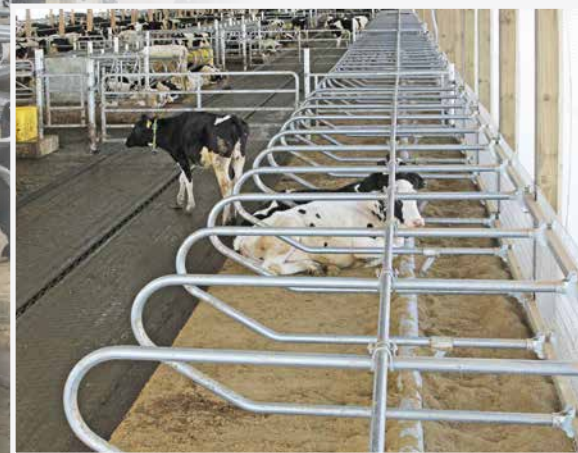


**Geo Clamp
for Wood Post**



**4-Bend Liberty Loops
Wood Post Mount**

Continuous Rail Mounting System



The **Continuous Rail Free Stall Mounting System** is popular for heifer barns as well as exterior freestall rows. The stall width is easily adjustable using the geo clamp that fastens securely to the double mounting rails. A durable and economical mounting solution, universal in application.

Mounting Hardware



Single Geo Clamp
for single free stall rows



Double Geo Clamp
for double free stall rows



Rail Mounting Clamp
Secures continuous mounting rail to wood posts



2-Bend Conventional Loops | **Continuous Rail Mounting**

Brisket Locator & Components for Free Stalls



Eco Loop Brisket Support Bracket



Adjustable Stall Mount Bracket

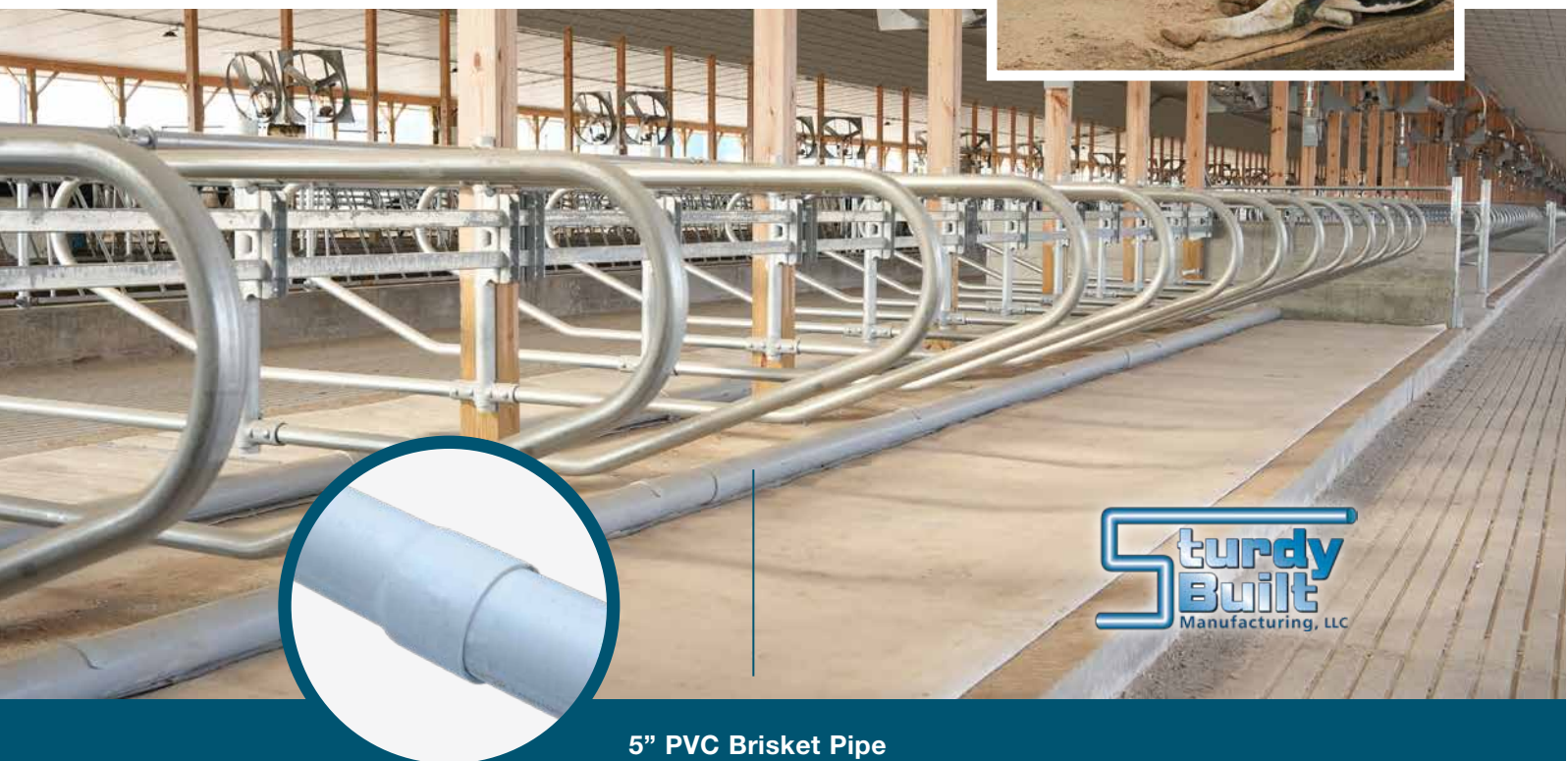


Curb Mount Bracket for End of Row



Brisket Locator

Establishes the forward position as cows lie on the beds.
Contributes to stall cleanliness.



Sturdy Built
Manufacturing, LLC

5" PVC Brisket Pipe
(Bell End Connections)

Brisket Locator & Components



**Single Tab Floor
Mount Bracket**



**Double Tab Floor
Mount Bracket**



**Brisket Bracket
for Wood Plank**



A Preferred Solution for

**RECYCLED
BEDDING**

Stainless Steel Bedding Retainers

Designed for applications where recycled bedding is spread on top of mattresses. Bolting right to the curb, they keep your bedding material where it belongs. Sturdy Built bedding retainers are fabricated from heavy gauge stainless steel for superb durability.



Mounting Components for Free Stalls



4-Bolt Neckrail Clamp
Formed from 1/4" steel



Standard Neckrail Clamp
Stops "walking" neckrails



NEW! Axial Neckrail Clamp
2-Bolt Design featuring
exceptional installation ease



Galvanized Neckrail Tubing



**Sturdy
Built**
Manufacturing, LLC

1.9" OD x 13 Gauge Galvanized Neckrail Tubing
Swaged ends for connection.

Mounting Components for Free Stalls

Neckrail Supports for End of Rows



Custom End Clamps

Multiple configurations for placement flexibility



**Wall-mount
Neck Rail Insert**



Bolt-on Neck Rail Insert



Clamp-on Neck Rail Insert



Weld-on Neck Rail Insert

Cow-Friendly Restraint System

A gentle solution for head-to-head freestall rows. Prevents cows from crossing from cowbed to cowbed. Retainers support nylon webbing.



Webbing Ratchet



Webbing Retainer



Stainless Steel Rotary Flush Waterers



- **Two models:** Standard model and the reduced capacity Junior model
- Grade 304 stainless steel construction
- Smooth, round-bottom construction without corners to collect dirt
- Large poly bearing with stainless steel axle
- Hinging float cover for easy service access
- Energy efficient cold water trickle-flow freeze protection
- (Optional) backsplash helps keep cowbeds dry

(Above) **Junior Capacity**

Rotary Flush Waterer with Optional Frost-Free Pedestal and Backsplash

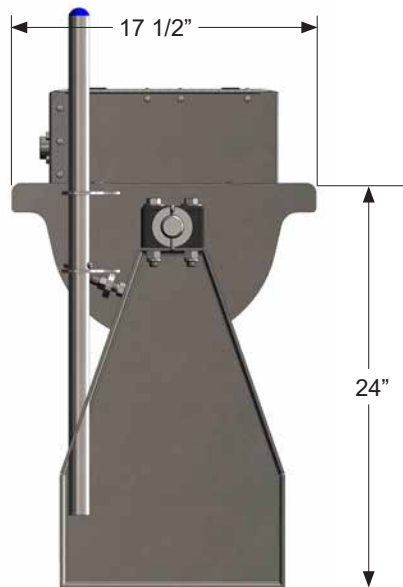


Standard Capacity Rotary Flush Waterer with Standard Valve Box and Optional Backsplash

Just tip the basin and watch the dirt disappear with a flush!

Stainless Steel Rotary Flush Waterers

Reduced Capacity Junior Model



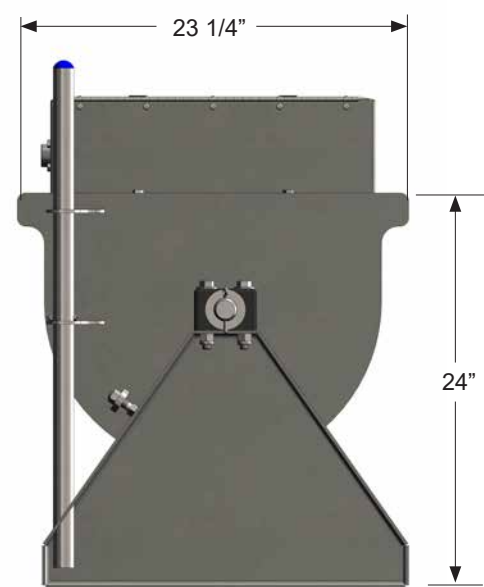
**The ROTARY FLUSH™
WATERER Jr.**



<i>Capacity</i>
19 gallons
28 gallons
38 gallons
47 gallons
57 gallons



Standard Capacity Standard Model



**The ROTARY FLUSH™
WATERER**



<i>Waterer Length</i>
4'
6'
8'
10'
12'

<i>Capacity</i>
52 gallons
79 gallons
105 gallons
131 gallons
157 gallons



Overflow Drain



Fresh Water Supply



Hinging Valve Box Lid



Float Assembly

Stainless Steel Rotary Flush Waterers

Valve Box Options



**Frost-Free
Insulated Pedestal**
with Protected
Plumbing



Junior Capacity Shown



Standard Valve Box
with
Trickle Flow
Freeze Prevention



Junior Capacity Shown

Galvanized Waterer Guards

Discourage "water throwing".
Control where spills fall. Keeps feet out of waterer.



Insulated Poly Waterer Tanks

Sturdy Built is an Authorized Distributor
for High Quality Insulated Poly Water Tanks.
Contact us for pricing on the models you need.



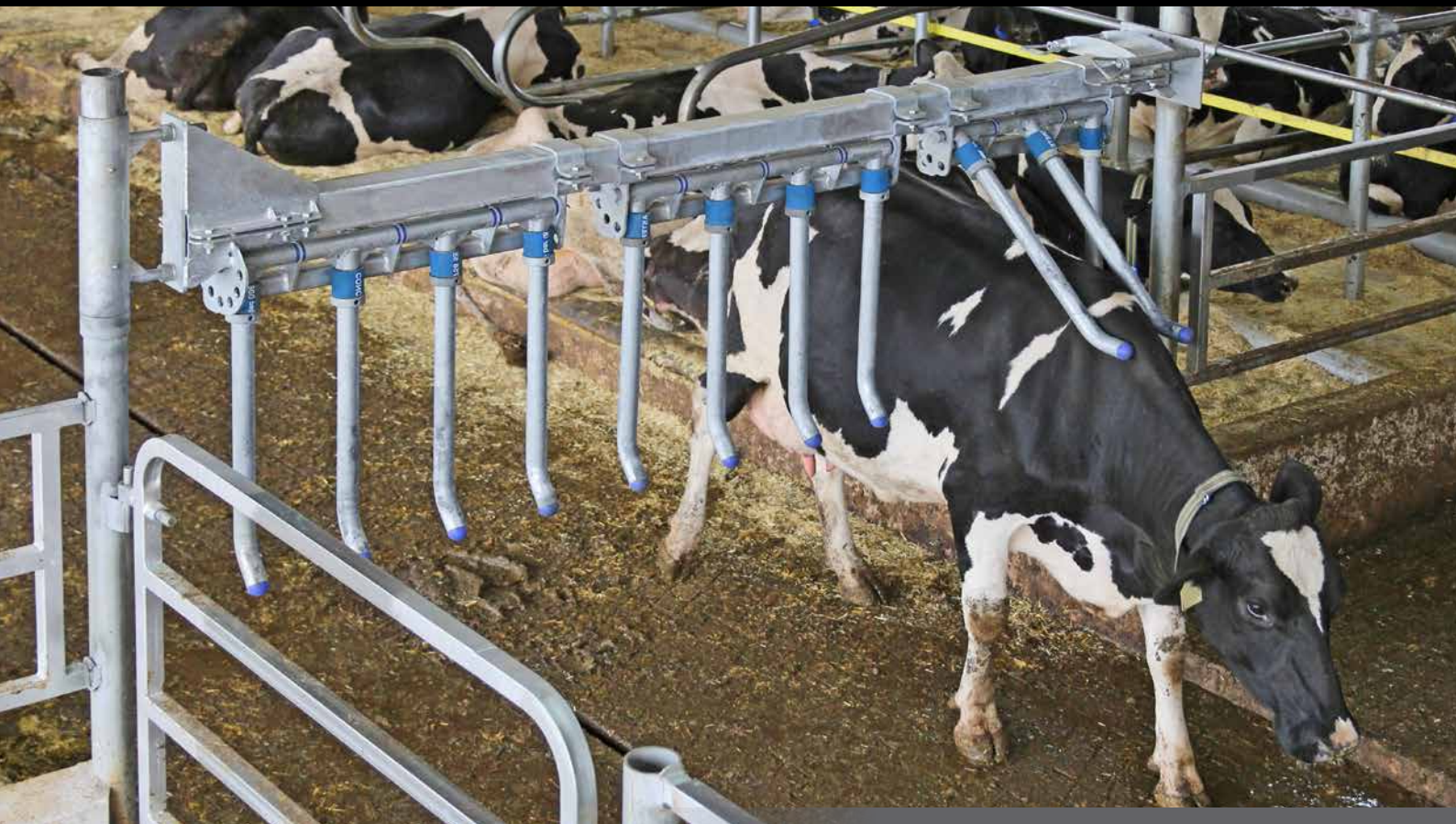
MIRACO
Livestock Water Systems

Stocking Sizes up to 14' Length!



Ritchie
Fresh Water
For Life™

Cow Management for Robotic Milking



COW PATH

Flow Control Gate by Sturdy Built
Patented US 7,810,450 B2

- Curved vertical fingers signal cows to naturally lower their heads when entering
- No horizontal bars to convey restricted appearance to cows
- Boss cows cannot block flow with the vertical fingers spanning entire alleyway
- Available as stationary or hinging mount

*Explore our Robotic Milking
Brochure for More Details!*



Gates & Fencing

Remote Control Operation



Counter-Balanced Pivoting Gates



Scissors Gates fold up & out of way!



Bird Control Gates

Explore our Gate & Panel
Brochure for More Details!



Pneumatic Cross-Over Gates

An innovative gate system for directing the transfer of cows across the feed lane. Remote operation allows for activation from the tractor seat or from the control located at each side of the gate.



Open position for transfer of cows



Cross Over Gates in motion



Closed position for feeding access and cow confinement

Herd Management

Rotary Sweep

The Sturdy Built Rotary Sweep aids in training cows for easier loading into rotary parlors. Speeds everyday startup calmly without electric prods, reducing stress for your cows and improving milk let-down!

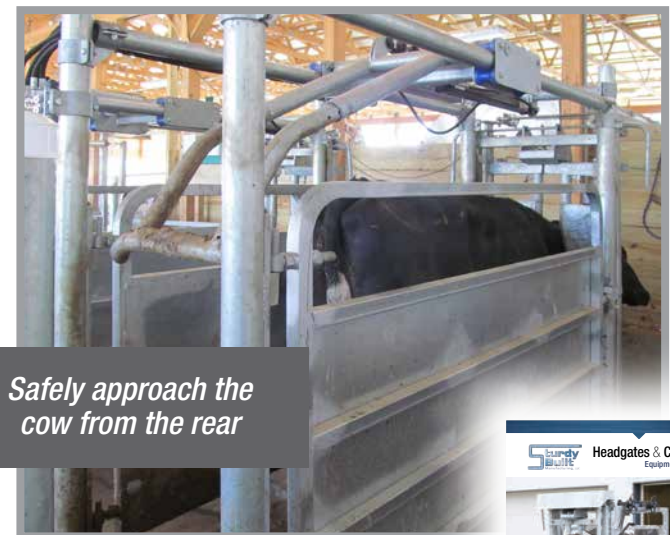


Automatic Head Gates *with optional Hydraulic Sweep*

This unit is sure to make the herdsman's job go more smoothly! The rugged construction of the chute contributes to long lasting durability. The high-performance design of the hydraulic sweep assembly ensures years of reliable operation.



Faster Flow for Hesitant Cows!



Explore our Headgates & Chutes
Brochure for More Details!

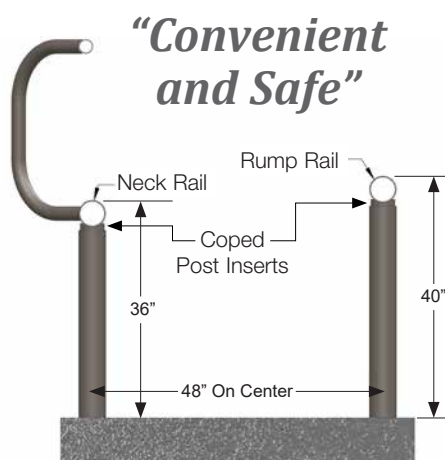


Herd Management for Free Stall Barns



Palpation Rail

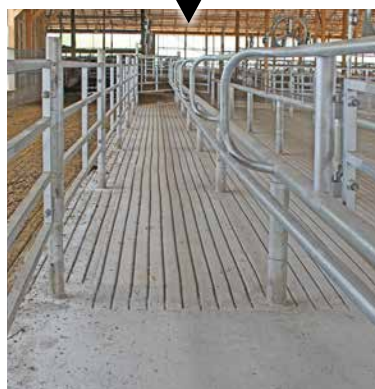
- 4.5" OD vertical posts at 8' on center
- Optional stainless steel post sleeves protect in corrosive environments
- Coped post inserts allow for on-site adjustment



Pneumatically Adjusted



Stationary System



- Rail is adjustable to accommodate various animal group sizes
- Wireless remote control operation



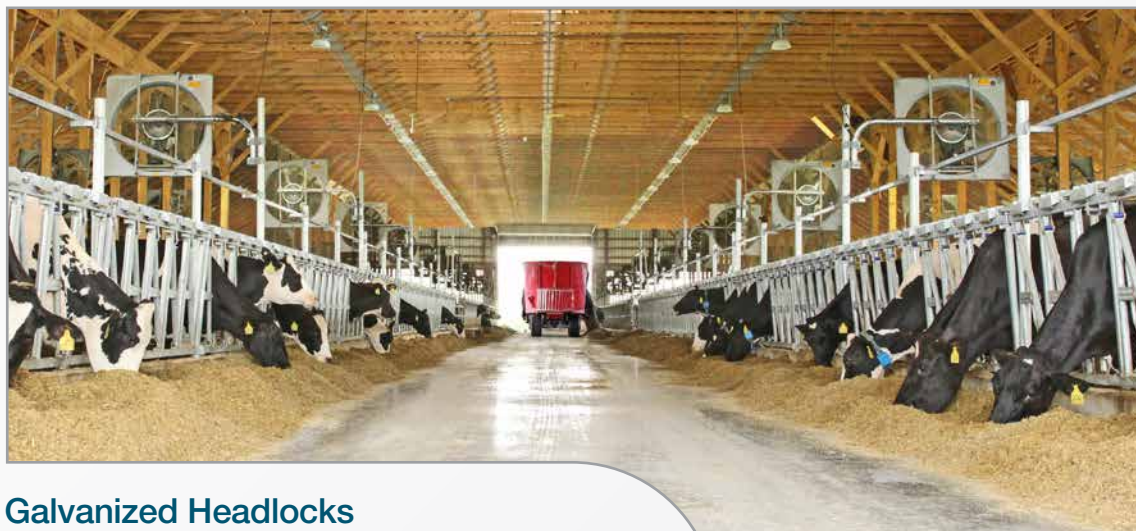
Stainless Steel Post Protectors

for Galvanized Posts In Corrosive Environments

Feed Management Systems for Free Stall Barns



Explore our
Feed Bunk Brochure
for More Details!



Galvanized Headlocks



Slantbar & Straightbar



Galvanized Feeding Rail



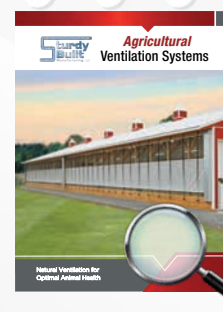
Ventilation Systems for Free Stall Barns



Fans and Fan Brackets



Explore our
Fans Brochure for
More Details!



Explore our Ag Curtain
Systems Brochure
for More Details!



Curtain Systems



Ventilation Automation Technology





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

Calf Nurseries • Curtain Systems • Feed Bunk • Free Stalls • Gates & Fencing • Headgates & Chutes • Robotics • Tie Stalls



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