

The Fauna

Giraffe TAMER™



Giraffe TAMERS™ have reduced the need for immobilizing drugs and provide multiple safe work areas for animal care by staff and veterinarians when training, conditioning, managing, and administering health care.

DESIGN

- A push side panel and belly straps combined with 3" padding help to support and hold the giraffe for safety of both animal and handler (Figure 1).
- Allows for easy access on both sides of the feet, legs, neck, head, and rear of animal through many side access doors (Figure 2).
- 4' wide catwalks with railing for safety of handlers (Figure 3).
- A neck yoke to help secure the head of the giraffe.
- Suitable for all sizes of giraffe.
- Smooth, quiet closing front and rear roller door for easy enter/exit through the Giraffe TAMER™.
- Standard unit comes with provision for an electronic scale and slip-resistant rubber flooring.
- Optional scales available.
- Calf panels (Figure 4).
- Hydraulic controls available.
- Custom units to fit your needs.
- Pens and custom layouts available.
- Approximately 7000lbs, 8' long x 14' wide x 18' high.

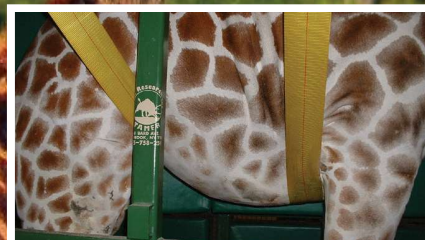


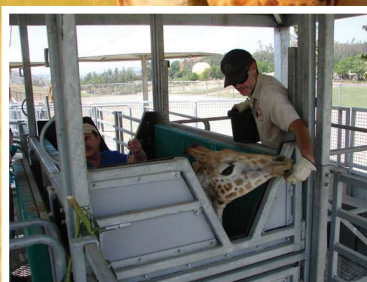
FIGURE 1
Giraffe in the TAMER™ with belly straps on for safety of both animal and handler.



FIGURE 2
Eighteen different access doors to reach all areas on both sides of the animal.



Blood draw being taken from giraffe on catwalk



X-Rays being taken safely in the TAMER™



FIGURE 3
Catwalk on both sides of the TAMER™



FIGURE 4
Calf panel addition to keep calves in place.



Large access doors for easy training, vet access and hoof trimming



Emergency side exit opens full length of restraint to allow unrestricted release of animal. Picture above shows 3" padding on both sides.

For more information about TAMERS™, contact Mark MacNamara at faunaresearch@gmail.com

Location: Fort Wayne Children's Zoo, Fort Wayne, Indiana

Species: Reticulated Giraffe

Equipment: Giraffe TAMER™ with built in scale, 6 interconnected stalls covering 4500 square feet, combo hay/grain feeders.

Notes:

The TAMER™ makes it possible to record daily weights, draw blood samples, give injections and vaccinations, as well as perform routine vet exams and most medical treatments. The design of the facility and the TAMER™ has also allowed for an expanded and improved operant conditioning program, better hoof care and maintenance, and excellent animal flow. The stall access and animal flow is controlled by remotely operated pre-hung roller doors. Height adjustable combo grain/hay feeders are located in each pen. The giraffe doors can be rapidly and easily opened and closed with the help of the custom winches.

"The highlight of our new Giraffe facility is the TAMER™. The keepers are now able to routinely weigh each giraffe."

-Amber Eagleson, Area Manager, African Journey



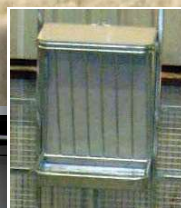
Inside view of the TAMER™



Standing blood draw from a willing participant inside the TAMER™



Adjustable hay/grain feeder



Modular giraffe penning system

For more information about the TAMERS™ at this location, contact Mark MacNamara at faunaresearch@gmail.com

WHITE OAK

Location: White Oak Conservation Center, Yulee, Florida

Species: Giraffe

Equipment: A series of management pens, an alleyway, loading chute and Giraffe TAMER™

Notes:

A series of management pens, an alleyway, loading chute and a Giraffe TAMER™ were installed at White Oak Conservation Center in December 2009. Only a few weeks after its completion, animal managers and veterinarians were able to treat White Oak's entire giraffe herd for various health issues. Adult and juvenile giraffe's were moved through the chute monthly for oral and injected anthelmintics.

Recently, 2 yearling males were tested for TB, given pre-ship injections, had blood drawn, and were loaded onto the transport trailer through the chute and restraint system. In the future, White Oak Conservation Center hopes to use the system to collect tissue and blood samples for a variety of research projects.



Giraffe TAMER™



Giraffe in management penning



For more information about the TAMERS™ at this location, contact Mark MacNamara at faunaresearch@gmail.com

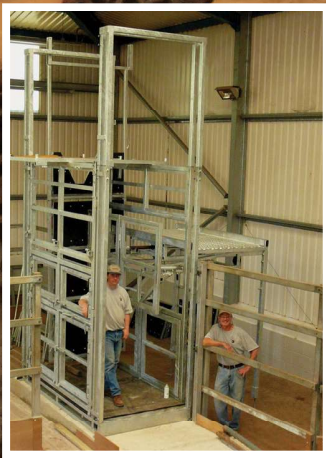


Environmental Park

Location: Paignton Zoo Environmental Park, Paignton, England
Species: Giraffe
Equipment: Customized galvanized Giraffe TAMER™

Notes:

The Paignton Zoo recently installed the first Giraffe TAMER™ in Europe to help manage their growing giraffe herd and expedite the importation of several female giraffe from the Czech Republic. The TAMER™ allows for quick and easy collection of blood samples necessary for mandatory blue-tongue testing. Park Director and Curator of Mammals, Neil Bemment said, "This is fantastic for us and for the animals. If we need to hold an individual giraffe firmly and safely without sedation in order to examine it or inject it, we can." Ghislaine Sayers, head of Veterinary Services at the Zoo, said, "This makes it possible to carry out veterinary procedures such as blood draws, clinical exams, and foot care without resorting to risky anesthesia. By training the giraffes to be relaxed withing the TAMER™, we can reduce the stress and the cost of all these procedures, benefiting animal welfare."



Installing the Giraffe TAMER™



Giraffe TAMER™



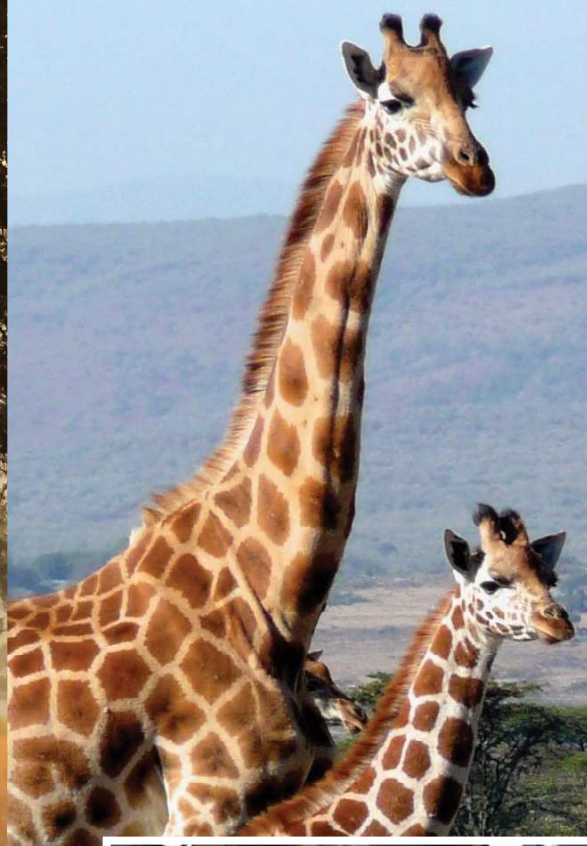
Yoda, a young bull
Paignton Zoo

For more information about the TAMERS™ at this location, contact Mark MacNamara at faunaresearch@gmail.com

JACKSONVILLE



AND GARDENS



Location: Jacksonville Zoo's Giraffe Holding and Management Area

Species: Giraffe

Equipment: Giraffe TAMER™ and penning system

Notes:

The zoo's successful giraffe breeding program consists of 7 animals: one 10 year old bull named Duke, 3 cows, and 3 youngsters (the youngest born January 26, 2008). Duke is trained to enter the TAMER™ daily for routine health management and weighing. The TAMER™ is equipped with a rubber slip resistant floor, heavy duty load cells, and an electronic scale with digital reader for quick and accurate weighing. Primary giraffe keeper, Donna Kelley, takes advantage of the 18 access doors to train and desensitize Duke to being confined in the TAMER™ so hoof care, blood draws and even x-rays on a bum knee can be performed. Newborns are introduced and trained to enter and stand in the TAMER™ shortly after birth and weighed on a regular basis. Training young animals to stand and feel comfortable in the TAMER™ is one of the first steps in an effective animal management and health program.



Training



Duke, 2040lbs



Giraffe penning

For more information about the TAMERS™ at this location, contact Mark MacNamara at faunaresearch@gmail.com

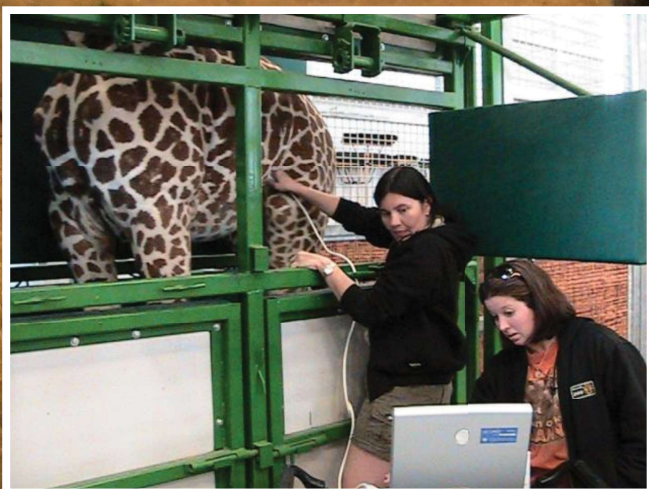


Location: Dallas Zoo, Dallas, Texas
Species: Reticulated Giraffe
Equipment: Giraffe TAMER™ installed in 2010

Notes:

When 6 year old Chrystal's labor halted after about 2 hours, the team quickly moved her into the Giraffe TAMER™. There, keepers were able to restrain her without using anesthesia, a risk they wanted to avoid for the health of both the mom and calf. With Chrystal safely ensconced in the TAMER™, Jan Raines, D.V.M., determined the calf's head and neck were incorrectly positioned. Raines was able to move the calf's head and neck into the proper position. With the help of Lynn Kramer, D.V.M., and the giraffe team, the newborn was safely delivered. The calf was quickly moved to the maternity stall where he was introduced to his mom and began nursing shortly after.

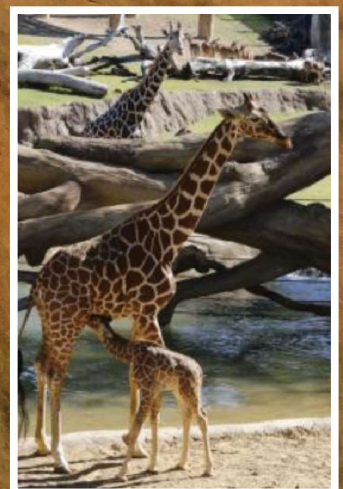
"The TAMER™ and our team's training definitely paid off, allowing us to provide excellent emergency care to Chrystal and her calf," said Kramer, who is also the Dallas Zoo's Vice President of Animal Operations and Welfare.



Ultrasound being done on Chrystal in the TAMER™



Routine training in the TAMER™



Mom and healthy calf on exhibit

For more information about the TAMERS™ at this location, contact Mark MacNamara at faunaresearch@gmail.com



Giraffe being held in the TAMER™ by push side panel



Multiple access points on the Giraffe TAMER™



حديقة الحيوانات بالعين
AL AIN ZOO



Successful removal of retained placenta



Blindfold and blood draw



Female in the TAMER™

Location: Al Ain Zoo, Al Ain UAE

Species: Giraffe

Equipment: Giraffe TAMER™ and push alleyway with slide doors and catwalk.

Notes:

Day 1: Begin installation of TAMER™, giraffe gave birth on the same day.

Day 2: Continue install of Giraffe TAMER™.

Day 3: Complete installation of TAMER™; giraffe had still not passed the placenta, so vets attempted to dart giraffe with antibiotics.

Day 4:

- 7:00 AM - Final decision and preparations were made to separate the female from the herd and move into the TAMER™.
- 8:00 AM - The giraffe is separated from the herd and guided through the barn and alleyway towards the TAMER™ by animal keepers, led by Mr. Gul Karim.
- 8:03 AM - She was locked in the TAMER™ and the following procedures were performed:
 1. Exact body weight taken immediately on entering the TAMER™.
 2. Using the adjusting push panels, the animal was snugged up to control movement.
 3. From the upper catwalk, Dr. Shwaki and Dr. Cavero calmed the animal, secured a blindfold, drew blood, injected antibiotics, vitamins and minerals, and monitored her behavior.
 4. Dr. Chege and Dr. Sean worked through the No. 2 rear door, clean the perineum area, gently removed the placenta, then cleaned and flushed the uterus with providone iodine.
- 8:40 AM - The giraffe exited the TAMER™ under her own power and was held in an adjacent pen for observation.

For more information about the TAMERS™ at this location, contact Mark MacNamara at faunaresearch@gmail.com

A Giraffe TAMER™ makes it possible to hold the giraffe firmly, yet safely, in order to carry out veterinary procedures such as blood draws, clinical exams and foot care, without resorting to risky anesthesia.

Zoo's around the world using

Giraffe TAMER™

to help manage their herds.

LOCATIONS

Zoos in United States:

- Audubon Zoo, New Orleans
- Bronx Zoo
- Cleveland Metroparks Zoo
- El Paso Zoo
- Franklin Park Zoo, Boston
- Greenville Zoo, South Carolina
- Lincoln Park Zoo, Chicago
- Living Desert, Palm Desert CA
- Lowry Park Zoo, Tampa Florida
- The Maryland Zoo, Baltimore
- Miami Metro Zoo
- Milwaukee County Zoo
- Kansas City Zoo
- Santa Barbara Zoo, California
- White Oaks Plantation, Yulee FL
- New Zoo, Wisconsin
- Peoria Zoo, Illinois
- Philadelphia Zoo
- Sacramento Zoo
- San Diego WAP
- San Fransisco Zoo
- Six Flags, Vallejo California
- Tulsa Zoo, Oklahoma
- Honolulu Zoo, Hawaii
- Mayaguez Zoo, Puerto Rico
- Niabi Zoo, Coal Valley Illinois
- Micanopy Preserve, Florida
- Indianapolis Zoo, Indiana
- Busch Gardens, Tampa Florida
- Omaha's Henry Doorly Zoo, NB
- Albuquerque Biopark, NM
- Abilene Zoo, Texas
- Zoo Atlanta, Georgia
- Turtle Back Zoo, New Jersey
- San Antonio Zoo, Texas
- Oklahoma Zoo, Oklahoma

Zoos in Canada:

- Toronto Zoo, Ontario
- Zoo De Granby, Quebec
- Lion Country Safari, Ontario

Zoos outside of North America:

- Paignton Zoo, Devon UK
- Copenhagen Zoo, Denmark
- Vienna Zoo, Australia
- Al Ain Wildlife Park & Resort, UAE
- Zoologico de São Paulo, Brazil



Foot care in the TAMER™



Blood draw being taken from giraffe in TAMER™



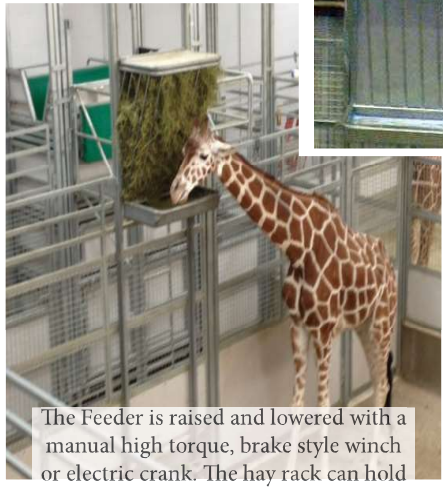
X-rays being taken safely in the TAMER™



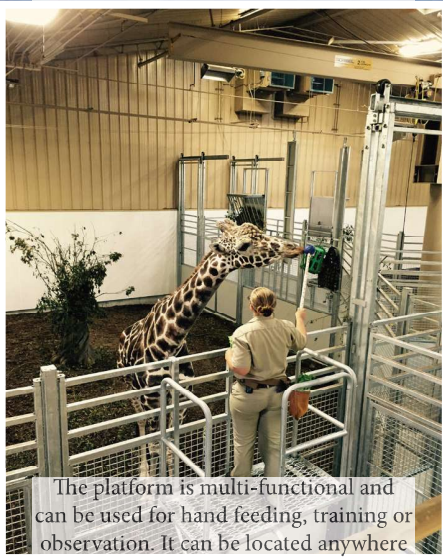
Ultrasound being done in the TAMER™

For more information about TAMERS™, contact Mark MacNamara at faunaresearch@gmail.com

Giraffe Training & Enrichment Aids



The Feeder is raised and lowered with a manual high torque, brake style winch or electric crank. The hay rack can hold up to a full square bale, and the bin will hold up to 50 pounds of concentrated feed.



The platform is multi-functional and can be used for hand feeding, training or observation. It can be located anywhere there are pen partitions. The lightweight, expanded metal platform is equipped with safety rails and chains as well as built in access ladder.



The puzzle feeder keeps giraffe active and engaged while highlighting their natural adaption for browsing. The clear Plexiglass back on the box allows guests to watch giraffe use their tongue to search for food.



Fauna Research Inc. *Specialized Giraffe Equipment*

From the designers and Manufacturers of the highest Quality TAMER™ Brand Animal Handling Facilities.

Fauna Research Inc. has been designing and building animal restraint equipment since 1984. This includes the Giraffe TAMER™ system as well as enrichment and training aids specially adapted for giraffes.

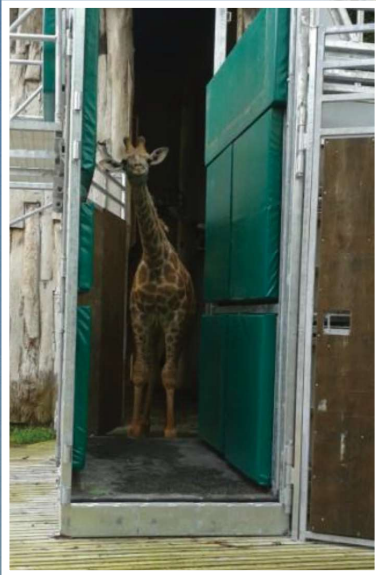
The TAMER™ series of equipment will help you manage your exotic herds of hoofstock and help you to get the most out of your management and breeding programs, all while saving you money. The TAMER™ offers a chemical-free handling system to humanely manage and restrain hoofstock for health maintenance, as well as shipping and testing, all while providing a safer work environment for handlers, keepers, and vet staff.

The giraffe TAMER system provides keepers access to safely work in close proximity to their animals. Keepers and Vet staff have utilized the tamer to accomplish a variety of husbandry and medical procedures including blood draws, vaccinations, hoof trims, radiographs, standing sedations as well as dystocia intervention. The specialized giraffe training and enrichment aids takes the husbandry of the giraffe herd to the next level by offering novel feeding devices using the adjustable hay/grain racks and puzzle box, as well as training and observation opportunities using the portable platform.

*Fauna Research offers consultations to help design giraffe care facilities
- whether a new build or a retrofit.
Contact Mark today at faunaresearch@gmail.com*



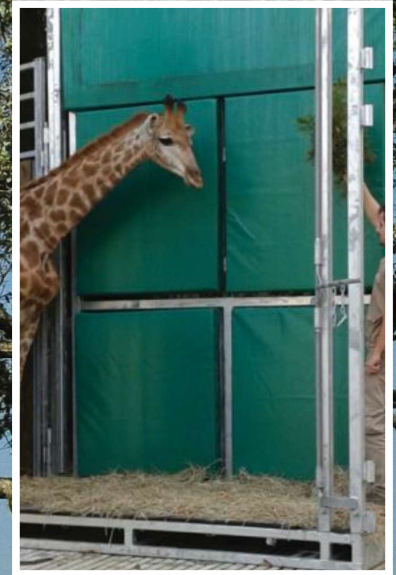
TAMER™ team in São Paulo



Week 1: Checking out the TAMER™



Week 2: Desensitizing the giraffe to the TAMER™



Week 3: Stepping up and walking through the TAMER™ becomes part of the daily routine

Location: São Paulo Zoo, São Paulo, Brazil

Species: Giraffe

Equipment: Customized galvanized Giraffe TAMER™ with built in full floor electronic scale.

Notes:

The São Paulo Zoo recently installed the first Giraffe TAMER™ in South America to help manage their growing giraffe herd and help facilitate the importation and exportation of individuals in order to maintain genetic diversity. The TAMER™ allows for quick and easy collection of blood samples necessary for the monitoring of bloodborne diseases. In addition, the TAMER™ makes it possible to record daily weights, give injections and vaccinations, as well as perform routine vet exams and most medical treatments. The TAMER™ is also the focal point of an expanded operant conditioning program and better hoof care and maintenance program.

The São Paulo Zoo is dedicated to promoting education, research, species conservation and biodiversity conservation both at the zoo and in the field.

For more information about animal management programs, contact Mara Cristina Marques at mcangelo@sp.gov.br
For more information about the TAMERS™ at this location, contact Mark MacNamara at faunaresearch@gmail.com

Location: Blumenthal Giraffe Pavilion, Blank Park, Des Moines, IA

Equipment: Giraffe TAMER™ with interconnecting corrals, alleyways, remotely operated roller gates, swing gates, and hoof stock stalls completed in under five days.

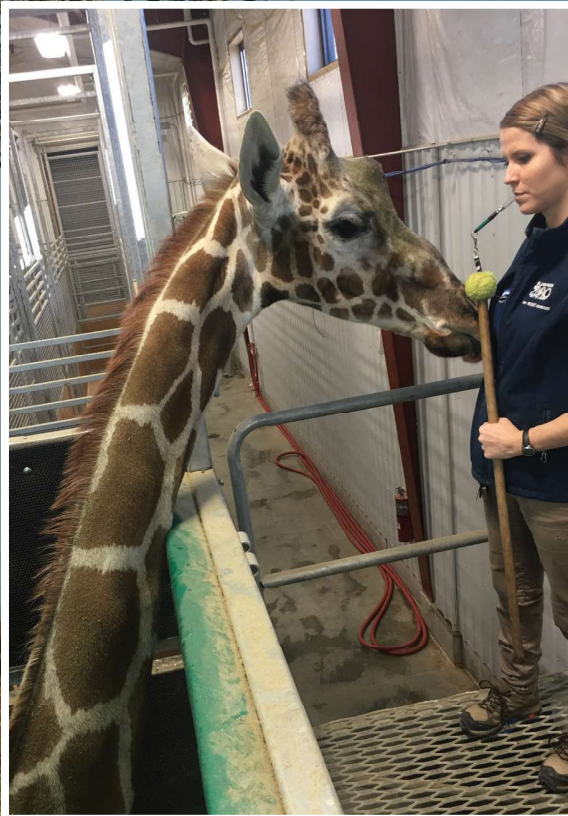
Notes:

The Pavilion was opened December 2017 and is now home to 1 male and 5 females. The most recent addition is Lizzy, a 1 year old born at the zoo. The Giraffe TAMER™ is centrally located in the barn and is now an integral part of the animal husbandry and veterinary programs. The TAMER™ provides a safe place for training and hands on veterinary care without the use of immobilizing drugs.

"To inspire an appreciation of the natural world through conservation, education, research and recreation."

- Blank Park Zoo Mission Statement

- The push panel is designed to quickly, quietly and safely restrict animal movement.
- The full floor scale provides accurate weights as often as necessary.
- 19 access doors allow for numerous contact points for injections, vaccinations, hoof care, and other husbandry tasks.
- Front and back roller doors safely and quickly close animals in TAMER™
- Belly bands are available for additional support when needed.
- Fully opening side exit gate provides excellent control during the pre-sedation phase.



Keeper Jordan Longtin targeting 20 year old Giraffe into the TAMER™



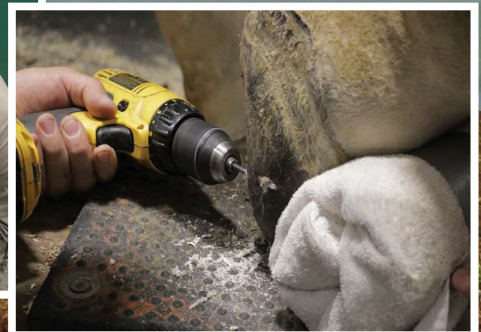
Prep for hoof work



Keeper Robyn Scalon working on Zuri's hoof through TAMER™ access door



Keeper Patrick Nepp holding Zuri's leg steady during stabilizing boot fitting



Pre-drilling holes in Zuri's hoof in preparation for boot footing.