

MERLOT

EQUINE AUTOMATION

PROTECTING YOUR HORSE,
FRIEND, AND LIVELIHOOD

RAFAL KULIK



CONTENT

1. ABOUT US

2. OUR PURPOSE

3. SAFETY

4. LOXONE

5. OUR RAIL SYSTEM

6. COLLABORATION

7. FUTURE GOALS

8. CONTACT US





ABOUT US

WHO WE ARE

Merlot Equine Automation was founded by a dedicated horse owner determined to safeguard their animals from the devastating risk of being trapped in an enclosure during a barn fire. Driven by a deep commitment to equine safety, they developed innovative solutions to ensure horses can escape danger when every second counts.

WHAT WE DO

We aim to design and manufacture gate and rail systems that enhance the safety and efficiency of your barn. By partnering with Loxone Automation, we were able to do just that. Creating an automated rail system that prioritizes the safety of all people and animals that step foot within your barn.

OUR PURPOSE



PROVIDE IDEAL SAFETY

ensure superior safety technological systems for your barn, employees, and horses



OPTIMIZE FUNCTIONALITY

Increase data collection and health science of your animal



PROTECT YOUR HORSES

In the case of an emergency, allowing your horses the opportunity to escape safely



SAFETY

The Equine Automation System connects with your smoke detectors and heat sensors within your barn.

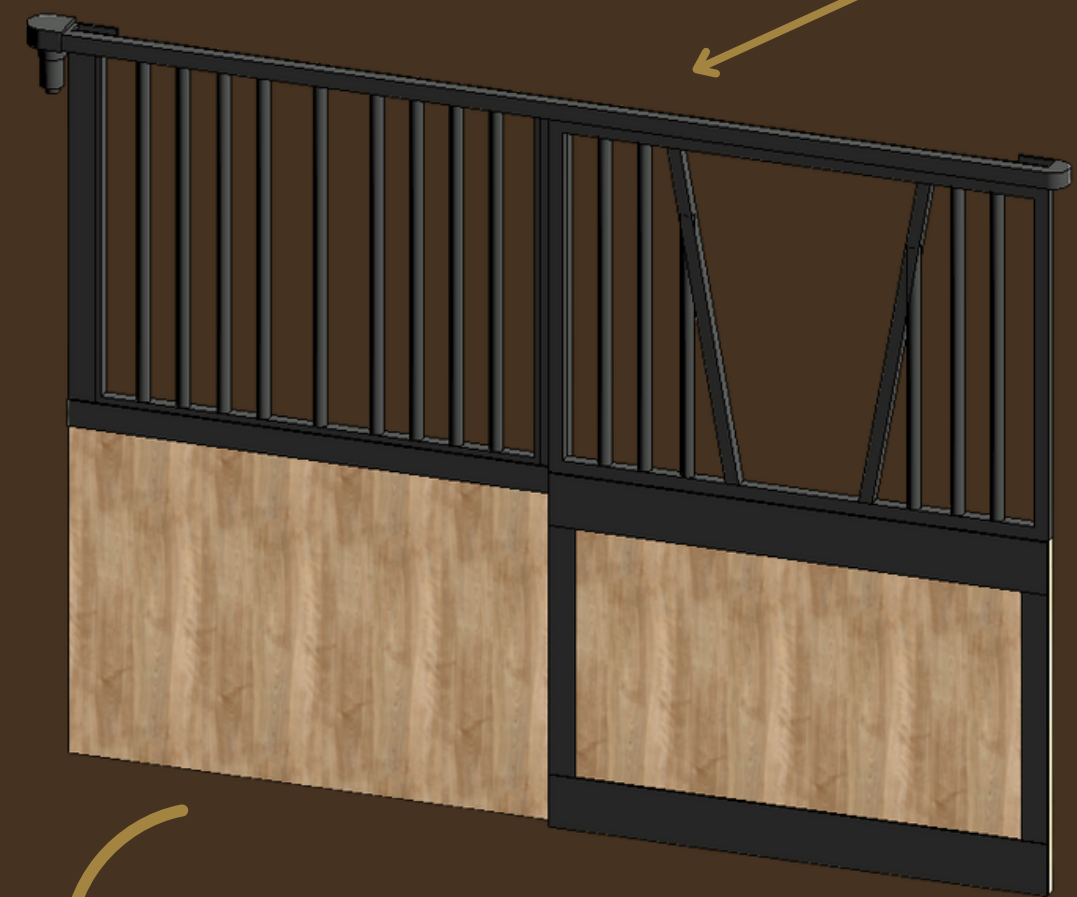
When these alarm systems detect danger, emergency exits open for animals and humans

HOW IT WORKS

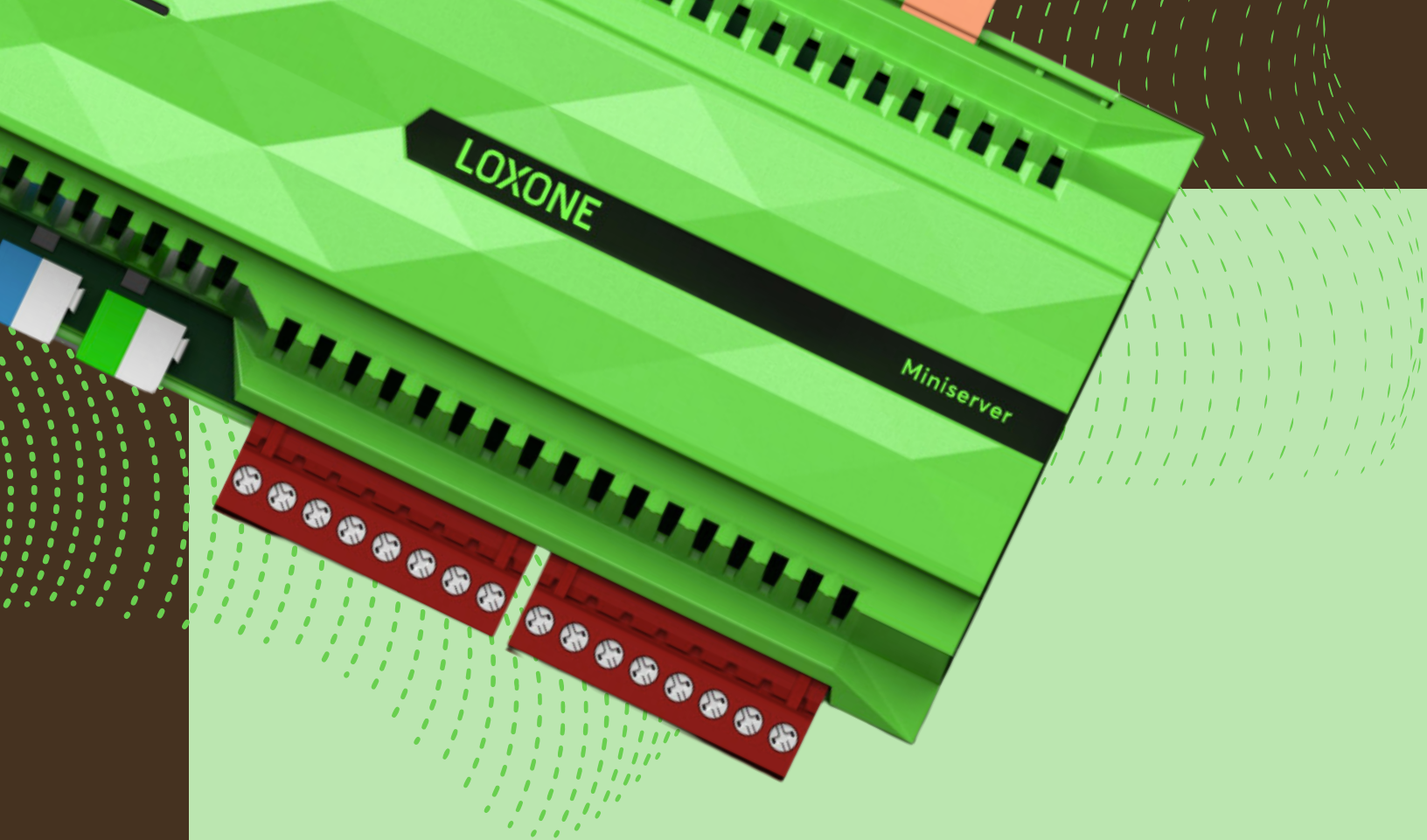
1. Smoke detectors/heat sensors detect a fire within the barn
2. The Equine Automated gate system sends an alert out
3. One has 10 seconds to respond to the alert
4. After 10 seconds, all gates and doors within the barn will open
5. allowing the horses the **opportunity to escape**

AUTOMATED MOTOR
CONNECTED TO LOXON
SERVER AND SMOKE
DETECTORS

AUTOMATED RAIL



GATE AND RAIL SYSTEM INSTALLED



LOXONE

AUTOMATION AT
ITS FINEST

WHY LOXONE?

- products that improve lifestyles
- made from high-quality materials
- save up to 50,000 tasks on one server system
- scalability for all project sizes
- customizable to suit your wants and needs

OUR PARTNERSHIP

Our partnership with Loxone enables us to help you create a compact Equine Automation system tailored to fulfill all your needs.

enjoy the benefits of technology

OUR RAIL SYSTEM

AUTOMATED MOTOR
CONNECTED TO LOXON
SERVER AND SMOKE
DETECTORS

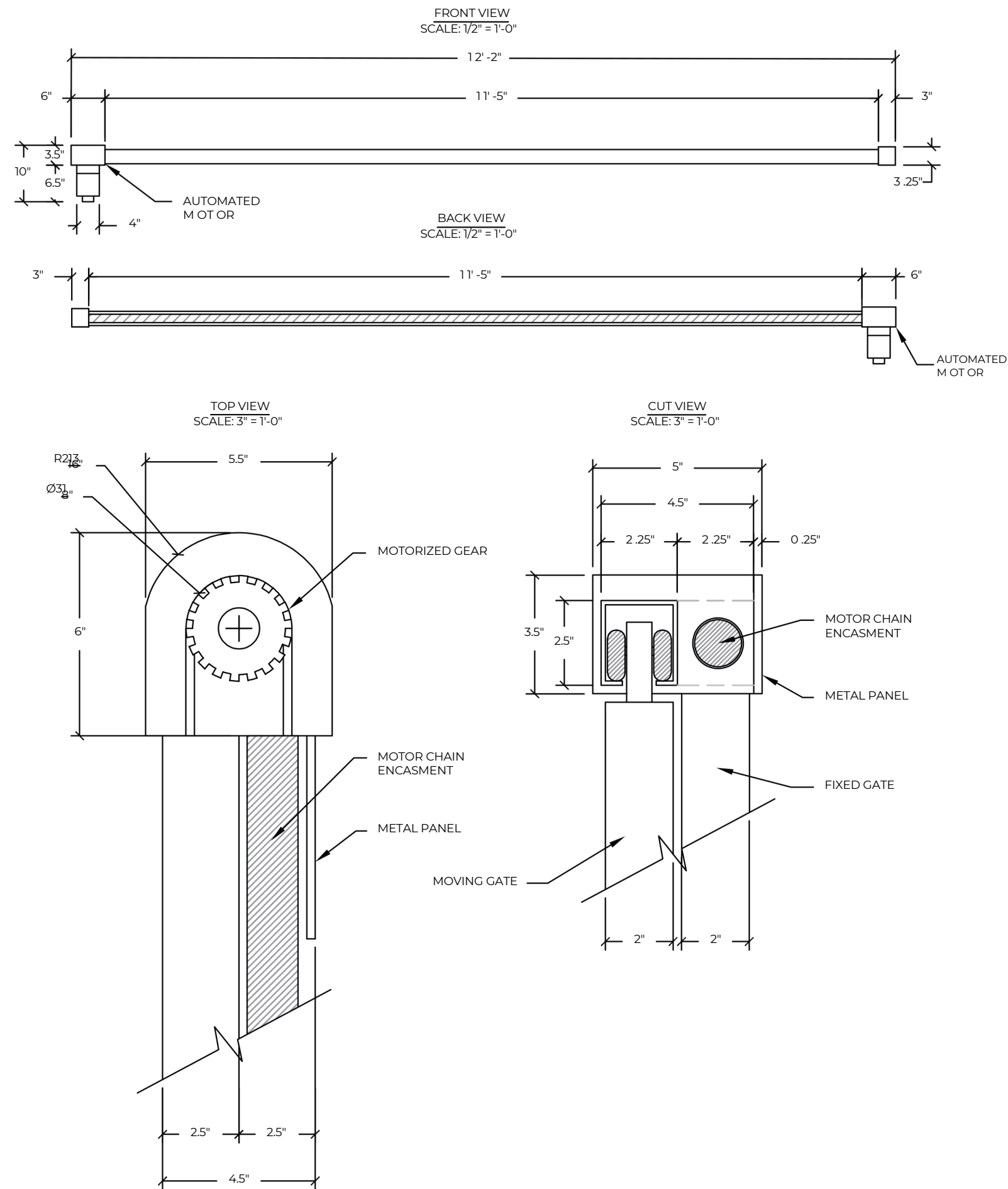
AUTOMATED RAIL
THAT CAN BE FIT TO
ANY SIZE STABLE DOOR

FIXED GATE

AUTOMATED/MOVING GATE



MERLOT AUTOMATED STABLE DOOR RAIL SPECIFICATIONS:



- NOTES:**
- ALL AUTOMATED RAIL SYSTEMS CAN BE MOUNTED TO EXISTING BARN STRUCTURES USING CONSTRUCTION GRADE STEEL L-BRACKETS
 - MOTOR CHAIN MAY REQUIRE GREASING
 - FULL GATE SYSTEMS ARE MADE UP OF A FIXED GATE AND A MOVING OR SLIDING GATE ATTACHED TO THE RAIL
 - RAIL AND MOTORS ARE OPERATED WITH LOXON AUTOMATION AND REQUIRE LOXON SERVER CONNECTION TO OPEN AND CLOSE



COLLABORATION



AMERICAN STALLS
Luxury Stabling Equipment & Hardware



Collaboration is simple.

Your luxury stalls and equine equipment,
plus our barn safety rail and system.

Together, we can create safer and more
efficient barns that prioritize not only the
owners but the horses themselves.





FUTURE GOALS



PREVENT TRAGEDY

Prevent the loss of human and horse lives from the result of barn fires by allowing the opportunity for escape



IMPROVE HEALTH

Use the data tracking technology provided within the Loxone server system to track the health science and care of your horse



AUTOMATION SYSTEMS AROUND THE WORLD

Take Merlot Equine Automation international and available around the world

CONTACT

» Rafal Kulik

📞 630.802.7147

📍 5196 NW Highway, Ste 100
Crystal Lake, IL 60014

THANK YOU

