

# BROODER BARN DESIGN

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Brooder Manager



# Introduction

- ▣ Summer 2014- We need a new barn!
- ▣ Where do we start?
- ▣ Construction
- ▣ Design & Equipment
- ▣ Put it all together-Does it work?
- ▣ Chicks- March 2015- Can we do it?

# We Need a New Barn!

- ▣ Crate Storage Building.... Should be a storage building- not a seasonal barn
  - 7500 bird capacity
  
- ▣ “Whitehouse” Lease Lost
  - 10,000 bird capacity

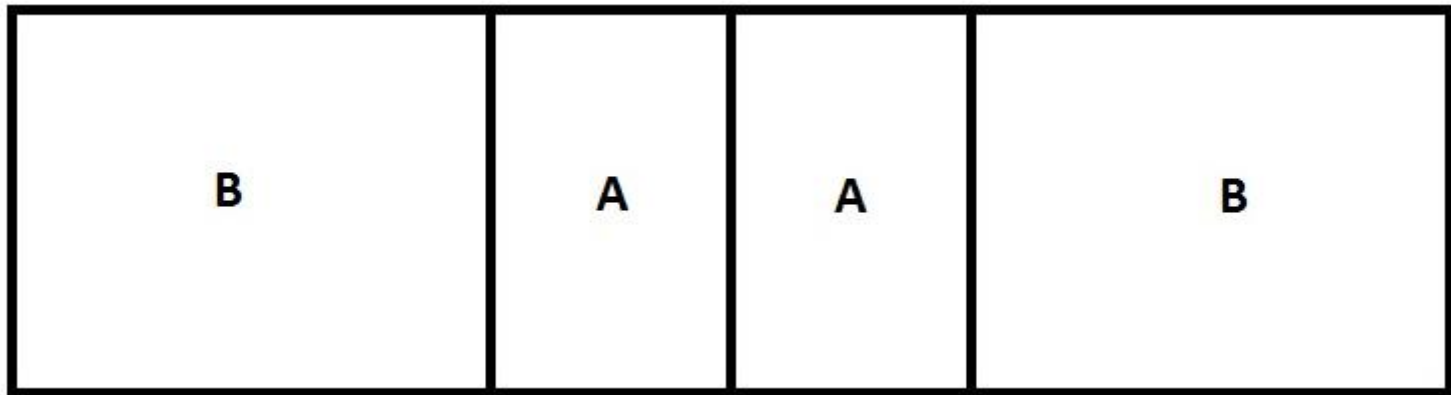
**Wait....We need two!**

# Where do we start?

- ▣ What do we need?
- ▣ Building Site
- ▣ Builders

# What do we need?

- ▣ Two Barns under one roof?
  - 10,000 bird capacity each
    - ▣ 2 - A-Rooms @ 2500 sq. ft.
    - ▣ 2 - B-Rooms @ 5000 sq. ft.



# Building Site



# Builders

OUR OWN EMPLOYEES!



# Construction

Construction Begins Fall of 2014









# Interior Design & Equipment

- ▣ Concrete Floors with Drains
  - A LOT OF DRAINS!
- ▣ Two Boot/Control Rooms w/ access to A/B
- ▣ Controls
- ▣ Heat
- ▣ Ventilation
- ▣ Lights
- ▣ Feed Systems and Bins
- ▣ Water
- ▣ Bird Doors

# Concrete Floors with Drains

- ▣ 2 Drains per A-Room
- ▣ 4 Drains per B-Room

If we have a water leak, this prevents standing water and expedites cleanup

# Boot Rooms

- ▣ Single Exterior Door with inside access to both rooms
- ▣ B-Room Access at angle-makes viewing all areas of room easier
- ▣ Access doors open into Bootroom to prevent bird injuries



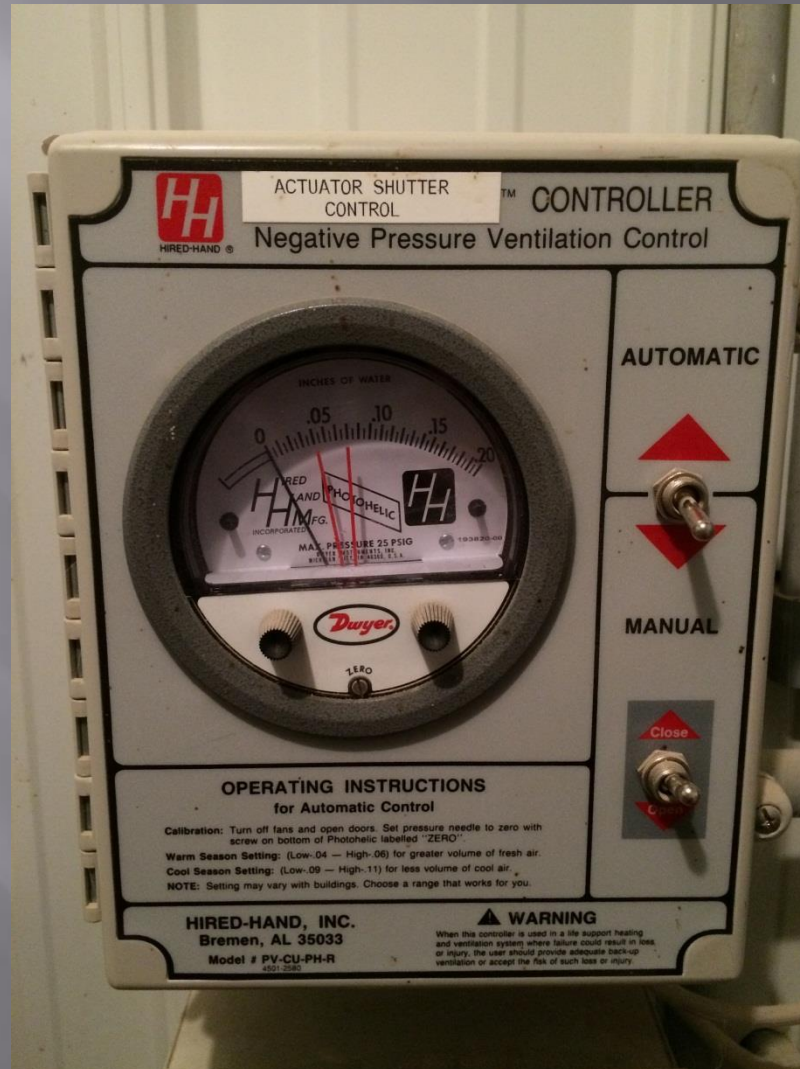
# Boot Rooms



# Controls



# Controls- Photohelic





# A-Room Heat (Brooders)



# A-Room Heat- Zone Control





# B-Room Heat

2 LB White Forced Air Heaters per Room

Heaters placed at thirds of the barn

Both pushing heat towards middle

# A-Room Fans

3 16" Fans per room- All exhausting East



# B-room Fans

Four 24" Fans- All on End Wall





# Ventilation- Stir Fans



# Ventilation- Air Inlet





# LED Lighting



Once Agrishift LED- Dims to Blue Spectrum

# A-Room Feed System



# B-Room Feed System





# Feed Bins



# Water





# Bird Doors



# It's the End of February 2015!

## DOES IT WORK??





# QUESTIONS?

Thank you!