



# Mobile Hemp Drying

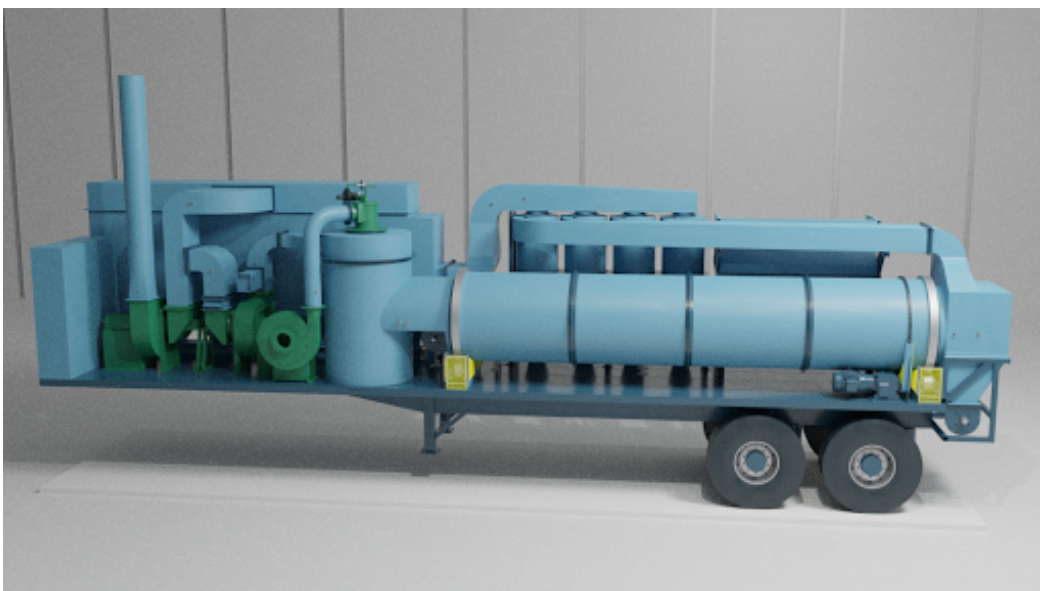
Bring the dryer to you

Farmers today are faced with many challenges such as trade wars, tariffs, and commodity pricing. All of these items and a whole host of others are forcing farmers to consider new crops and solutions. While there is not one solution to these problems we have seen many innovators look to an emerging crop.

Hemp offers unique solutions to farmers facing tough choices. Hemp is a high value crop that farmers can apply their skills and knowledge to growing for a variety of uses and in a variety of locations.

We've discovered that many people overlook the technical aspects of growing hemp. Hemp, unless it is stored properly, needs to be dried within 24 hours before it spoils and reduces the value. Using our 75 years of drying experience with alfalfa and other difficult-to-dry materials Thompson Dryers has created hemp-specific dryers that addresses the needs of growers and producers:

- Dry your hemp quickly
- Have a small footprint
- Lower operational costs
- Move from field to field with a mobile platform



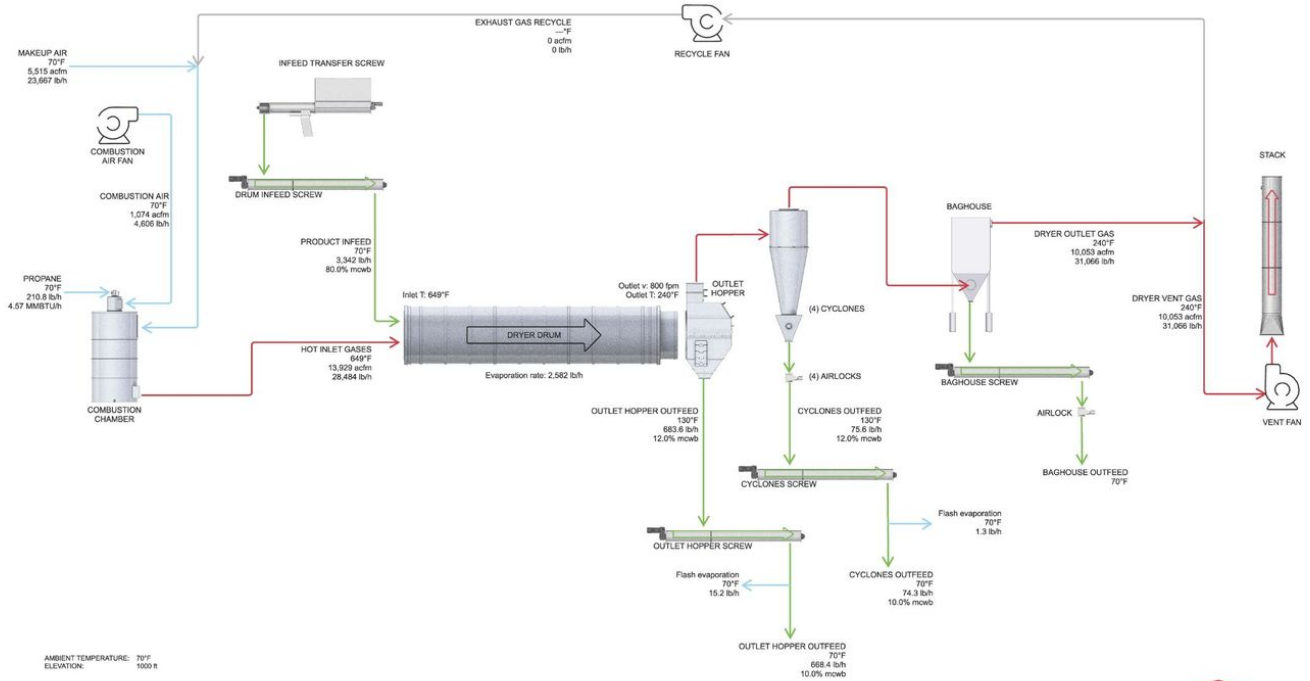
Don't let drying time be the bottleneck stopping you from maximizing yields.

The following table shows the performance of a Thompson Mobile Rotary Dryer. It also assumes you will get 2,000 pounds per acre of hemp flowers which of course can vary.

Table A - Mobile Dryer System

<b>Mobile Rotary Dryer</b>	<b>40% MC Feedstock</b>	<b>60% MC Feedstock</b>	<b>80% MC Feedstock</b>
Infeed capacity	8,000-lbs/hr	4,700-lbs/hr	3,300-lbs/hr
System capacity output (10%MC)	5,500-lbs/hr	2,100-lbs/hr	760-lbs/hr
Water to evaporate	2,500-lbs/hr	2,500-lbs/hr	2,500-lbs/hr
Energy to evaporate 1-lb of water	1,770-Btu/lb	1,770-Btu/lb	1,770-Btu/lb
Energy used per hour	4,425,000-Btu	4,425,000-Btu	4,425,000-Btu
Operational fuel cost per hour assuming \$2.50 per gallon propane	~\$125	~\$125	~\$125
Cost per dried pound	\$0.02	\$0.06	\$0.16

Process Flow Diagram - 80% Moisture Content Feedstock



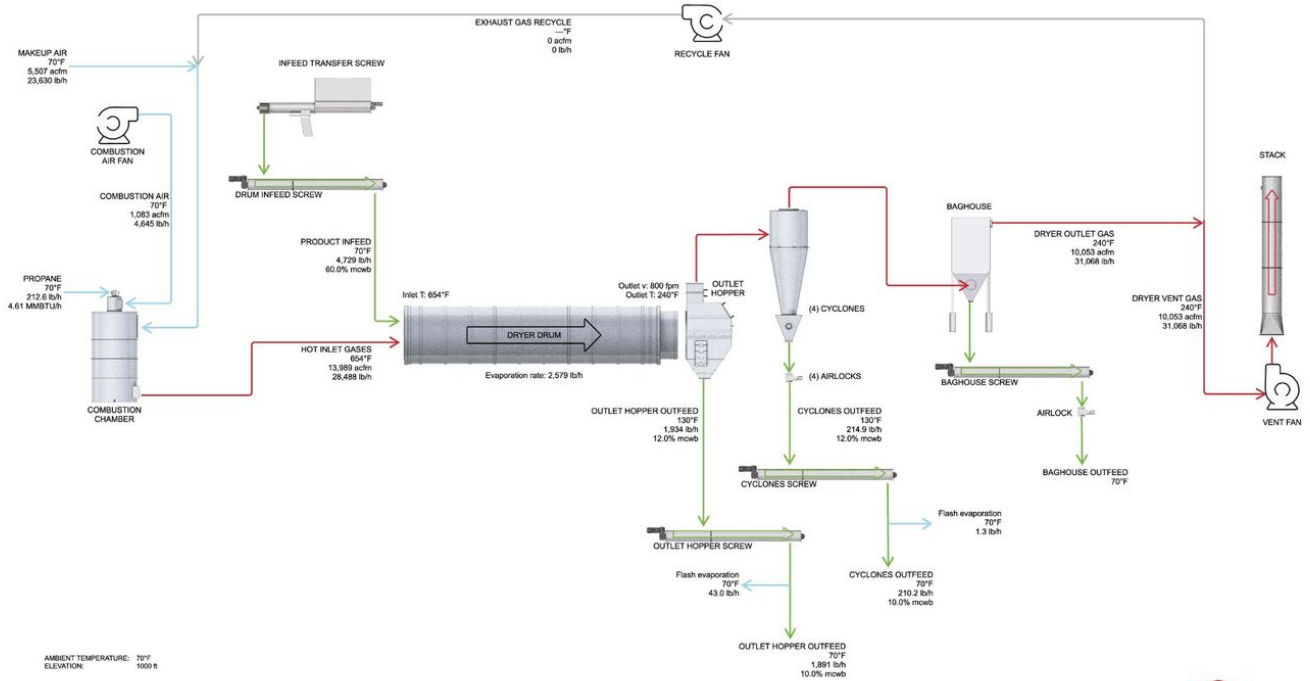
**Thompson 420 Hemp Dryer**  
 80%mcwb infeed /// 130°F maximum product temperature

**Description:** 4-ft diameter trailer-mounted Thompson hemp dryer system with three-stream product outfeed, maximum capacity of 80%mcwb infeed with constrained product temperature.  
**Project:** 655 South Wind  
**Revision:** C.1  
**Date:** 19-Dec-2019  
**By:** Parker Robb  
**Page:** 1 of 6

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Process Flow Diagram - 60% Moisture Content Feedstock



**Thompson 420 Hemp Dryer**  
60%mcwb infeed /// 130°F maximum product temperature

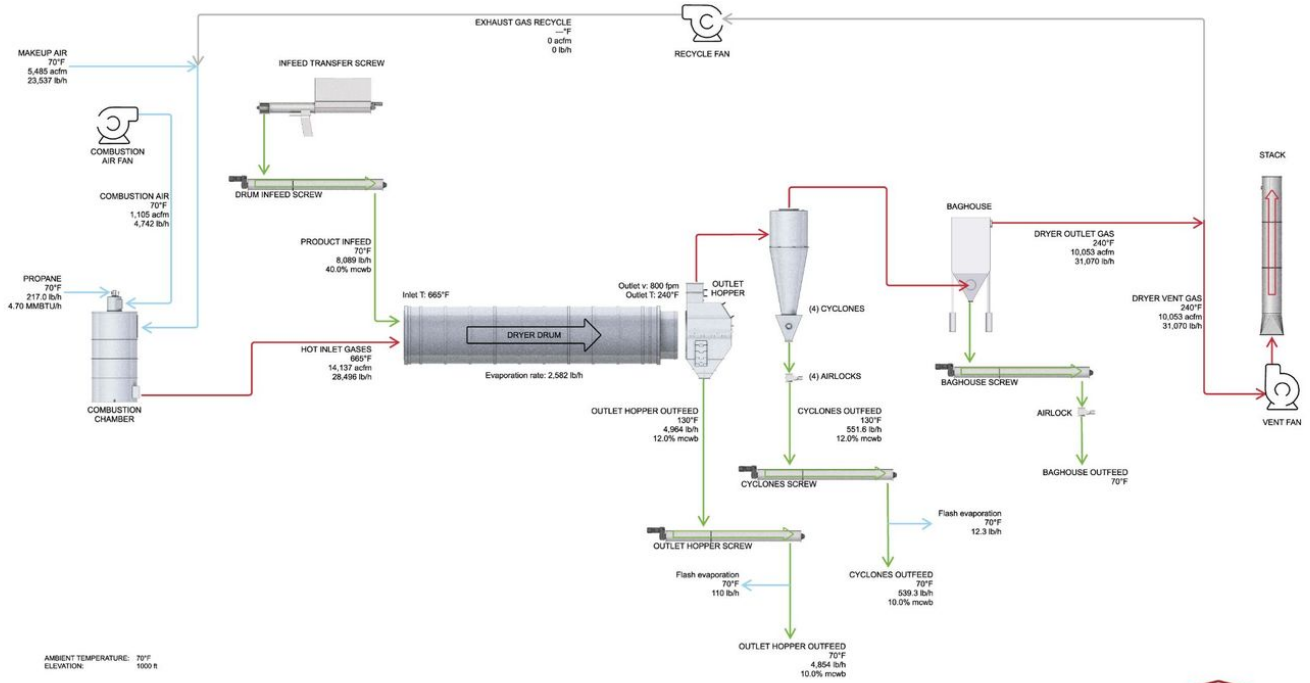
**Description:**  
4-ft diameter trailer-mounted Thompson hemp dryer system with three-stream product outfeed, maximum capacity of 60%/mcwb infeed with constrained product temperature.

**Project:** 655 South Wind  
**Revision:** C.1  
**Date:** 19-Dec-2019  
**By:** Parker Robb  
**Page:** 3 of 6

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Process Flow Diagram - 40% Moisture Content Feedstock



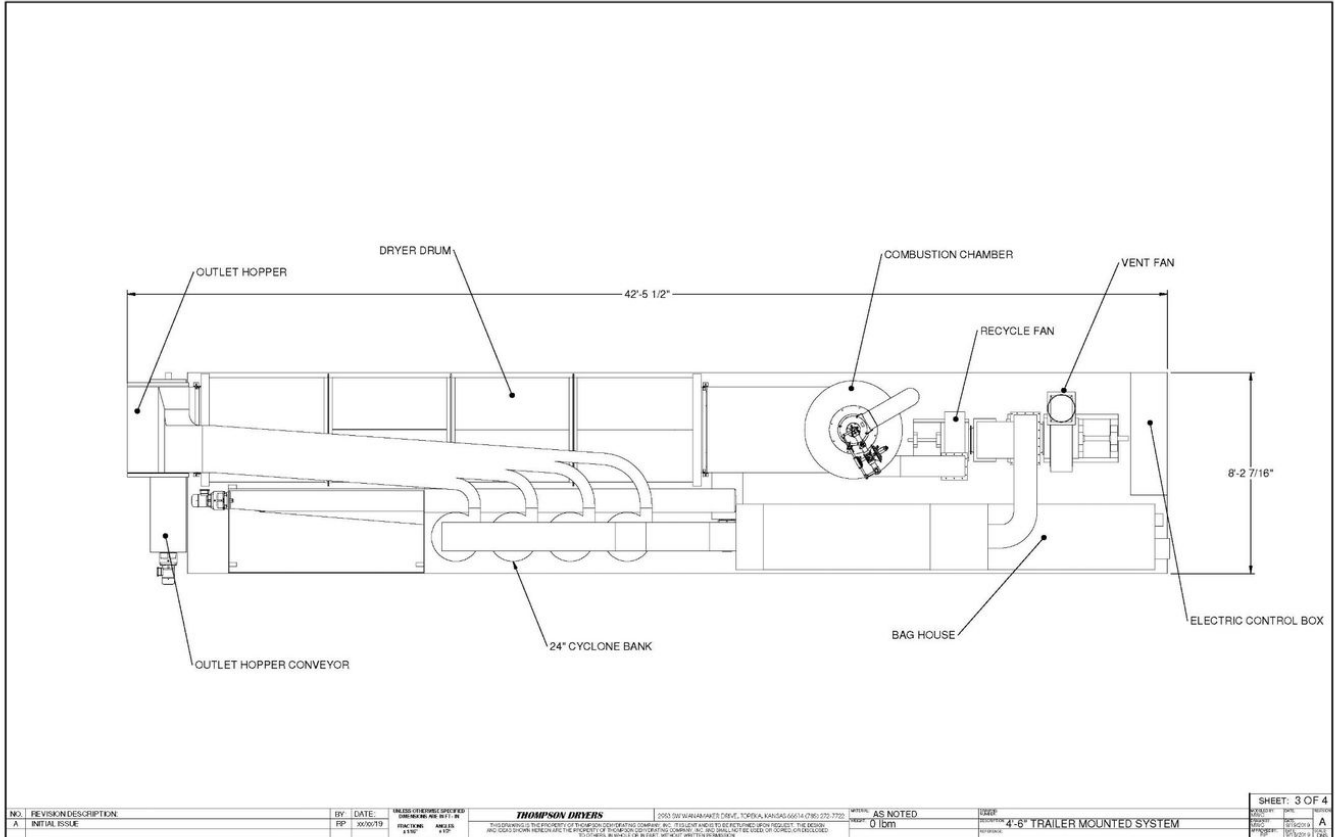
**Thompson 420 Hemp Dryer**  
 40%mcwb infeed /// 130° F maximum product temperature

**Description:** 4-ft diameter trailer-mounted Thompson hemp dryer system with three-stream product outfeed, maximum capacity of 40%mcwb infeed with constrained product temperature.  
**Project:** 655 South Wind  
**Revision:** C.1  
**Date:** 19-Dec-2019  
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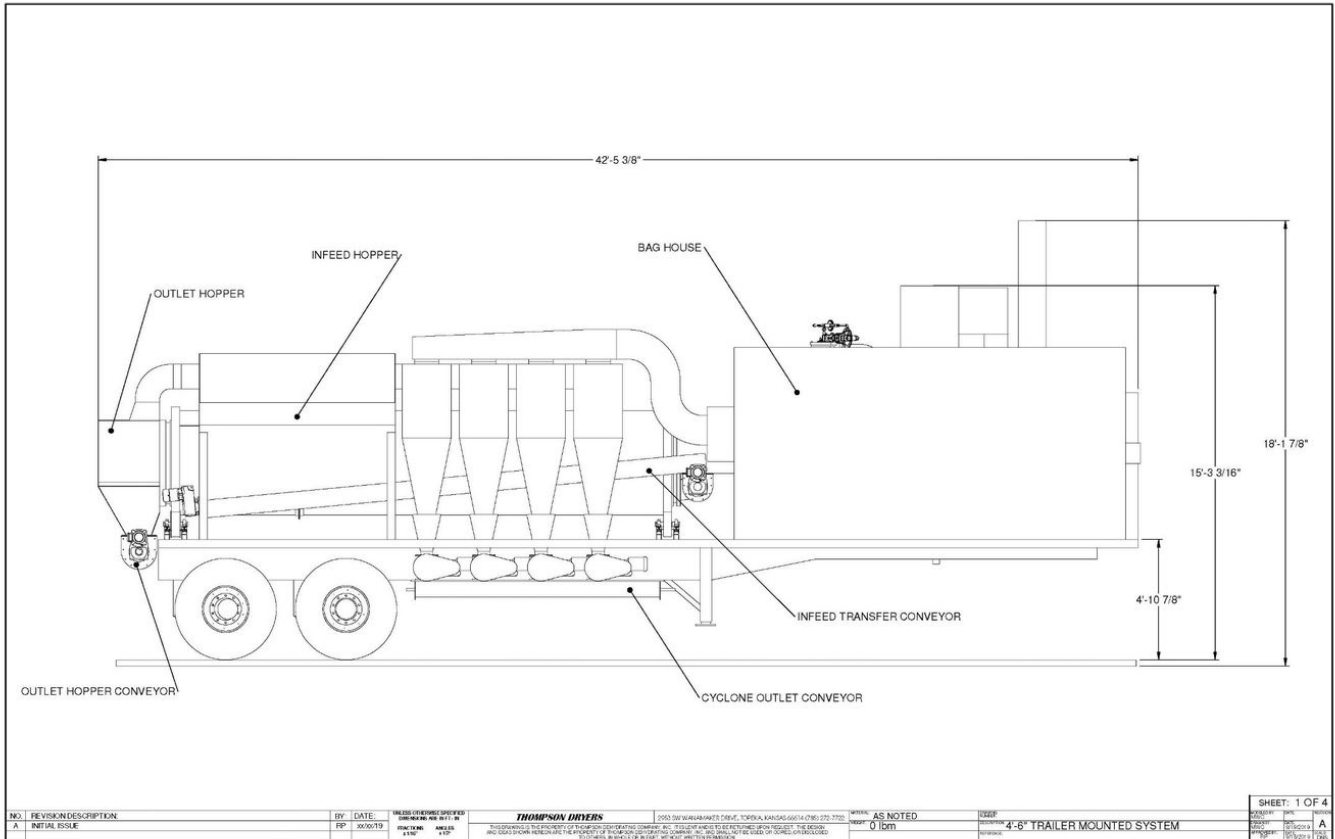
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General Layout Drawing - Plan View

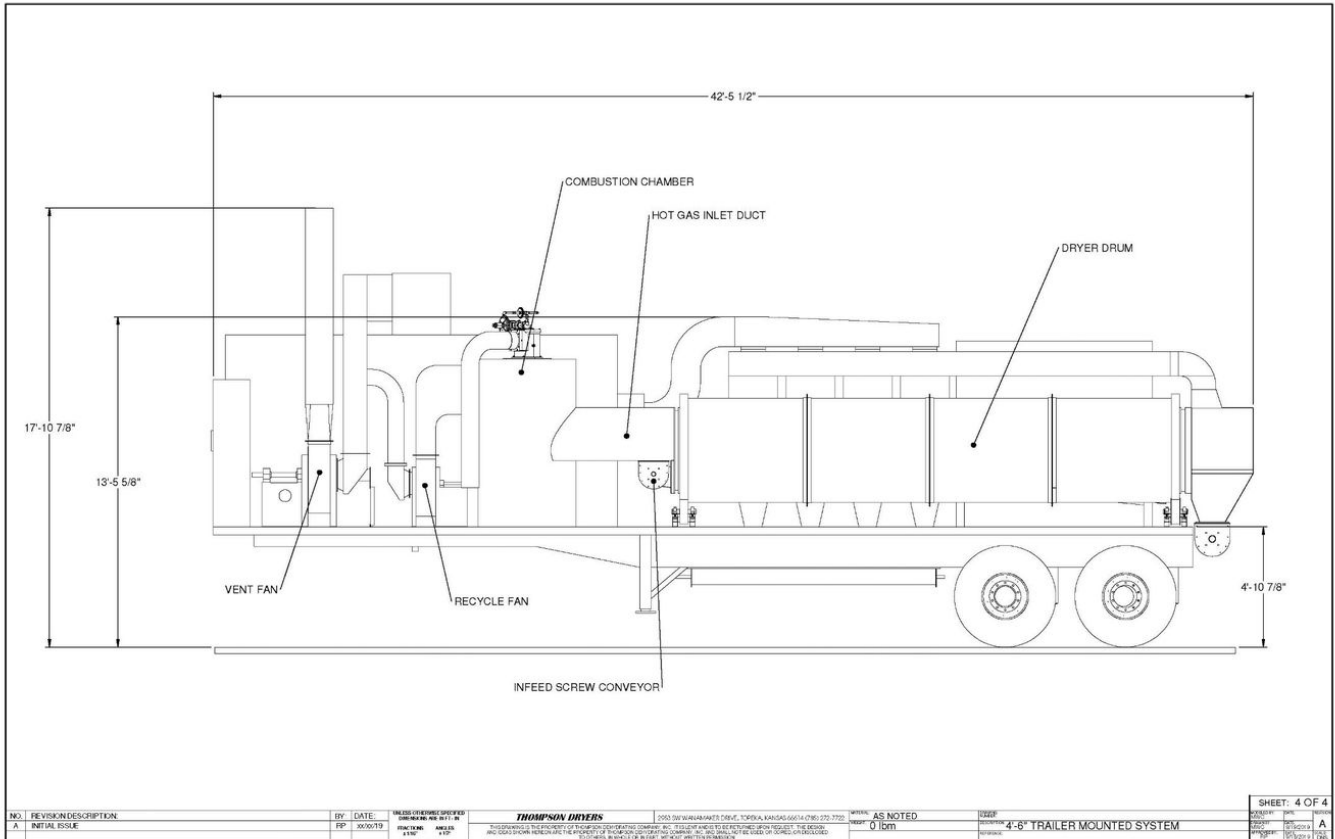


General Layout Drawing - Right Side View





General Layout Drawing - Left Side View



General Layout Drawing - End View

