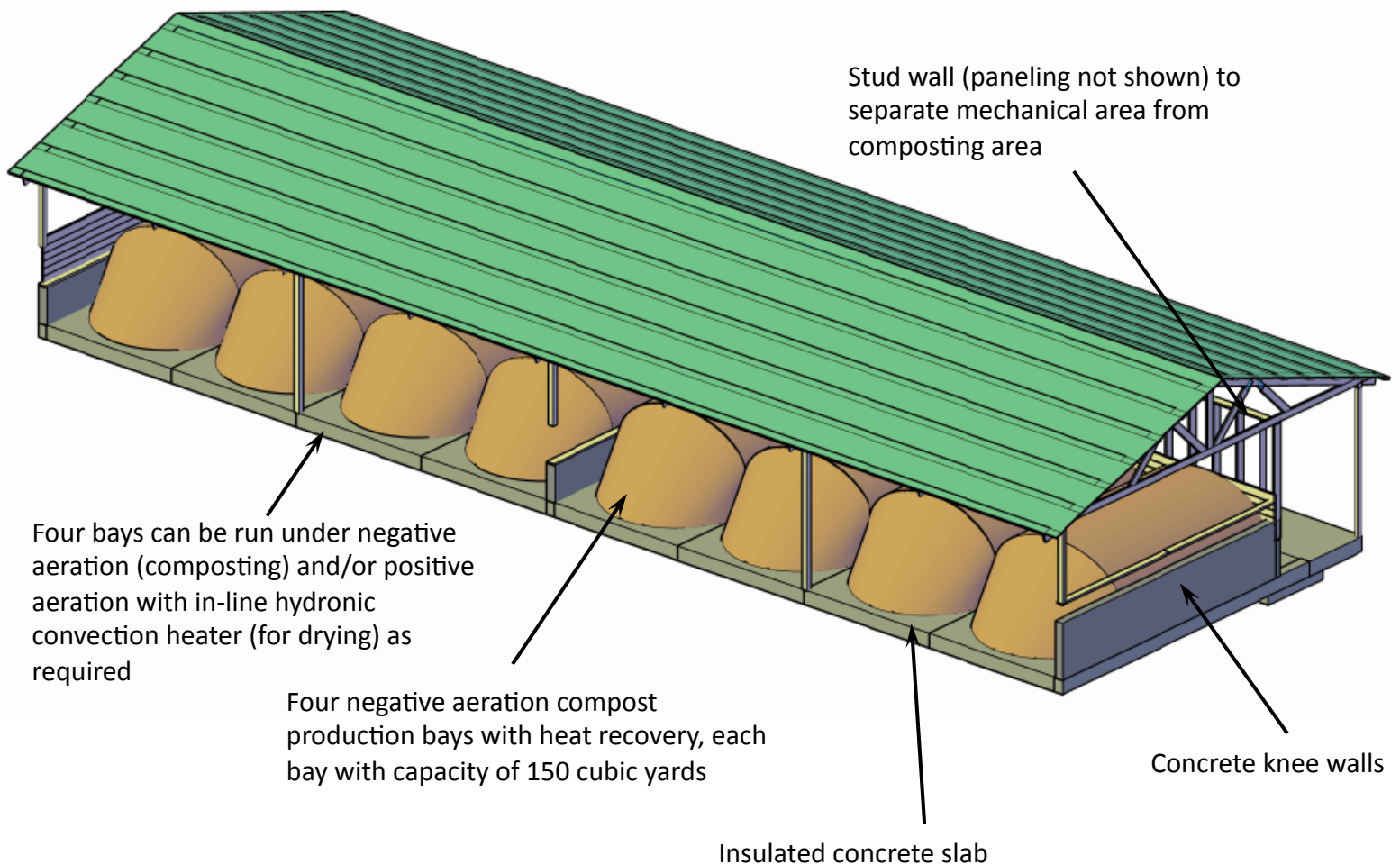


Covered Aerated Static Pile Composting System with Compost Heat Recovery For Product Drying

An aerated static pile (ASP) composting system with drying bays to produce dried compost product enclosed in a commodity style structure. Four bays are dedicated to negative aeration and thermal heat recovery using Agrilab technologies patented heat recovery system. Four additional bays are dedicated to positive aeration with compost heated dry air forced up to dry down finished product to below 25% moisture content.

Aerated Static Pile Production with Drying Bays



Benefits of Aerated Composting with Heat Recovery and Product Drying:

- ASP saves diesel fuel, labor and equipment use compared with turned windrow composting.
- Compost-powered heat for accelerated curing and drying: increase through-put and profitability.
- Captured heat can also be used to heat wash water, radiant slabs, greenhouses or shops, etc.

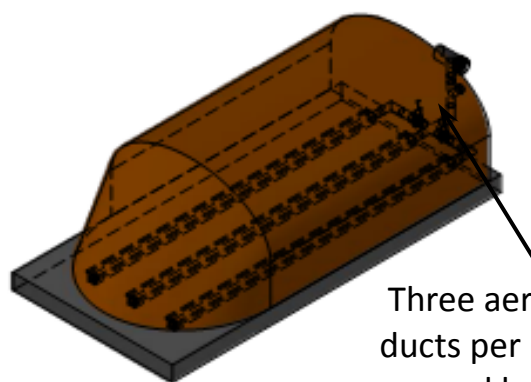
System Components and Installation

The ASP and product drying system can be installed by local contractors with AGT controls, aeration and heat exchange equipment easily installed behind a push wall. Hot water produced by heat from compost is run through a fresh air heat exchanger used to positively aerate and dry finished product. Modest power (220V, 60 A service) and Ethernet line are the only utilities needed to run this compost and product drying center. Condensate drainage can be by gravity or pumped with the included pump tank.

Components

- Commodity Barn with “Mechanical Alley”
- Eight Insulated Concrete slab Aeration Bays
- Aeration Plumbing and Zone Valves
- Aeration Blowers
- AGT Skid Mounted Heat Exchange Equipment
- SCADA with HMI and Remote Connection

Aeration Bay Detail



Three aeration ducts per bay with manual balancing valves

Mechanical Overview

