

# Stack Dryer Installation Notes

## (Review of Stacking a Dryer)



a division of  

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THE GSI GROUP

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PNEG-902

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## General Precautions

### **SAFETY FIRST** **General Safety Statements**

The GSI Group Inc.'s Principal concern is your safety and the safety of others associated with grain handling equipment. We want to keep you as a customer. This manual is to help you understand safe operating procedures and some problems which may be encountered by the operator and other personnel.

As owner and/or operator, it is your responsibility to know what requirements, hazards and precautions exist and inform all personnel associated with, or in the area of the Fill/Feed System. Safety precautions may be required from the personnel. Avoid any alteration to the equipment. Such alterations may produce a very dangerous situation, where serious injury or death may occur.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



# **DANGER**

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury



# **WARNING**

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



# **CAUTION**

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

# **CAUTION**

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.



### **BE ALERT!** **Danger!**

Personnel operating or working around electrical equipment should read this manual. This manual must be delivered with equipment to its owner. Failure to read this manual and its safety instructions is a misuse of the equipment.

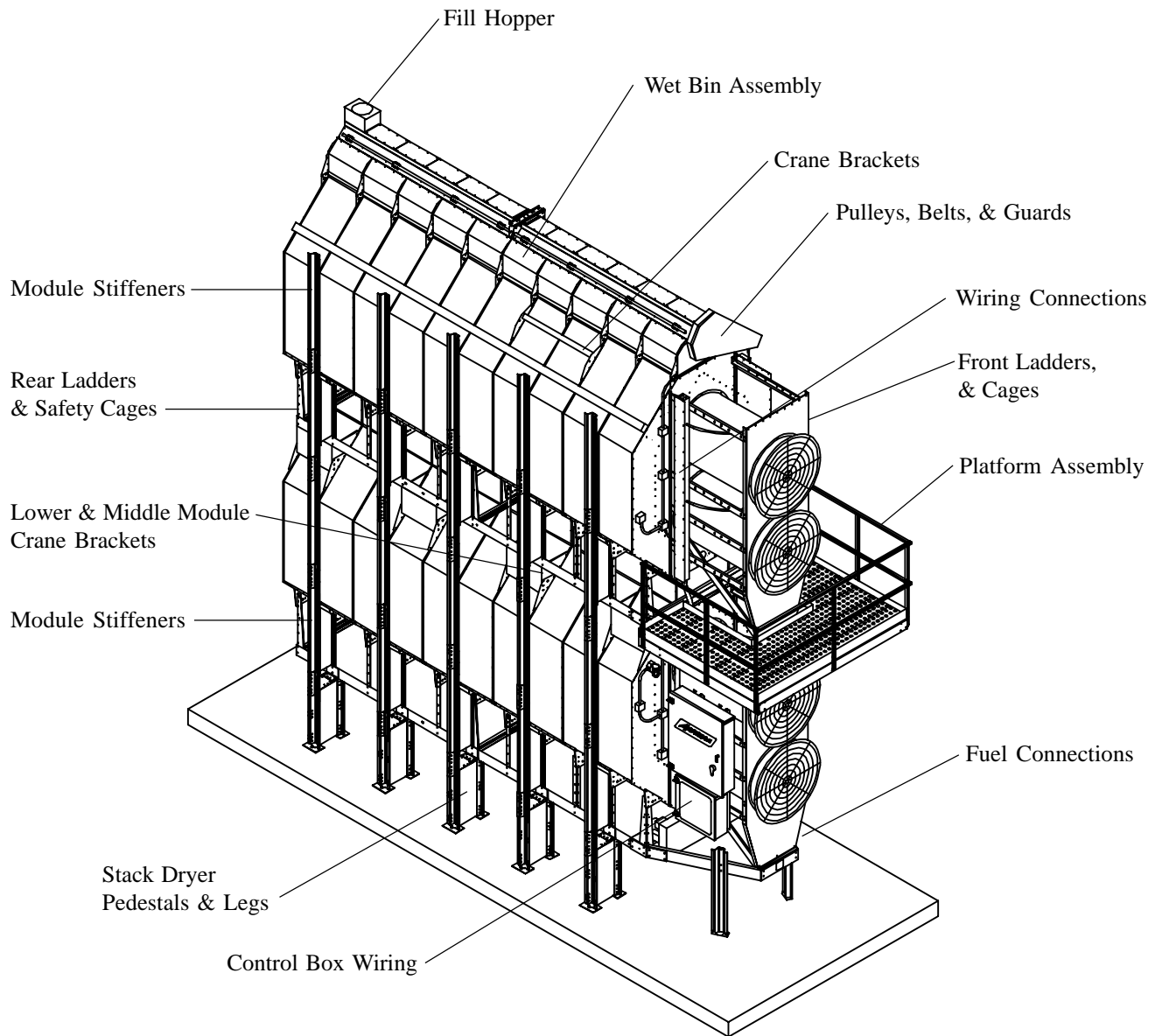
### **Important!**

This product may have sharp edges! To avoid injury handle sharp edges with caution and use proper protective clothing and equipment at all times.

If you have any questions regarding installation and safety, please contact your GSI, Inc. representative.

## Stack Dryer Component Callout

The following information is intended to help outline the steps required in stacking an Airstream Dryer.



## Module Preparation



### CAUTION

This product may have sharp edges! To avoid injury handle sharp edges with caution and use proper protective clothing and equipment at all times.

- Identify all parts shipped in crates or in the back of the dryer.
  - Group parts for each of the assemblies together to have them at hand as needed.
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- Attach the Rear Ladders and Safety Cages to the rear of all modules if not already installed
  - Attach the Front Safety Cages to the Front Ladder of all modules.
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*See PNEG-338 and/or PNEG-663 for reference.*

- Raise the Top Auger to its installed position.
  - Install the Wet Bin Side Panels and attach them to the Top Auger Housing.
  - Install the Pulleys, Belts, and Guards to the Top Auger and/or to the Bottom Auger.
  - Install the Fill Hopper.
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*See PNEG-349 for reference.*

- Assemble the Service Platform onto the Top Module and/or the Middle Module.
  - Attach all of the Stiffener Supports each Module.
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- Double check to see if all parts are installed as needed.

*Proceed to the Crane Bracket Placement Section >>*

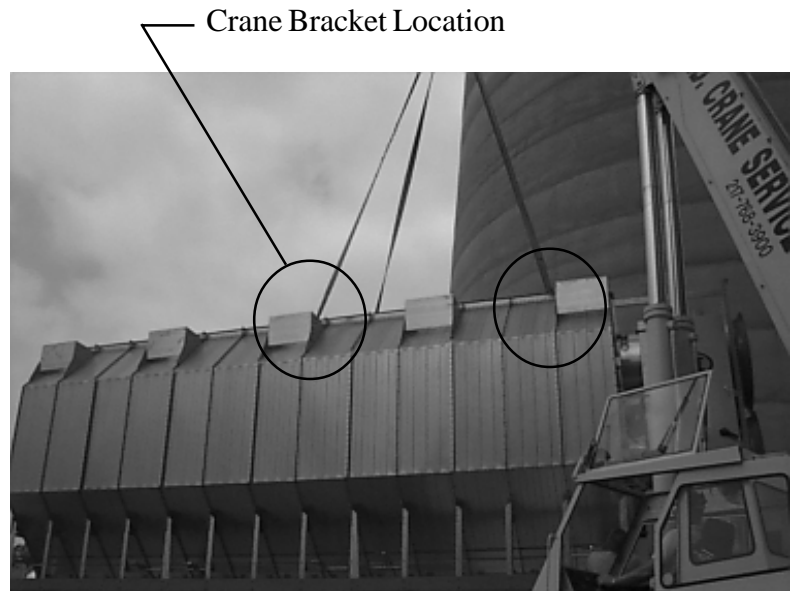
## Crane Bracket Placement

Install the Crane Brackets onto the modules if not already installed.

Base Modules and Middle Modules utilize four crane brackets. Brackets mount to stack module support pads.

Lifting usually occurs between the 2nd column from fan end to the 6th column from fan end. This will vary with model number.

The module should remain parallel to the earth as it is lifted.

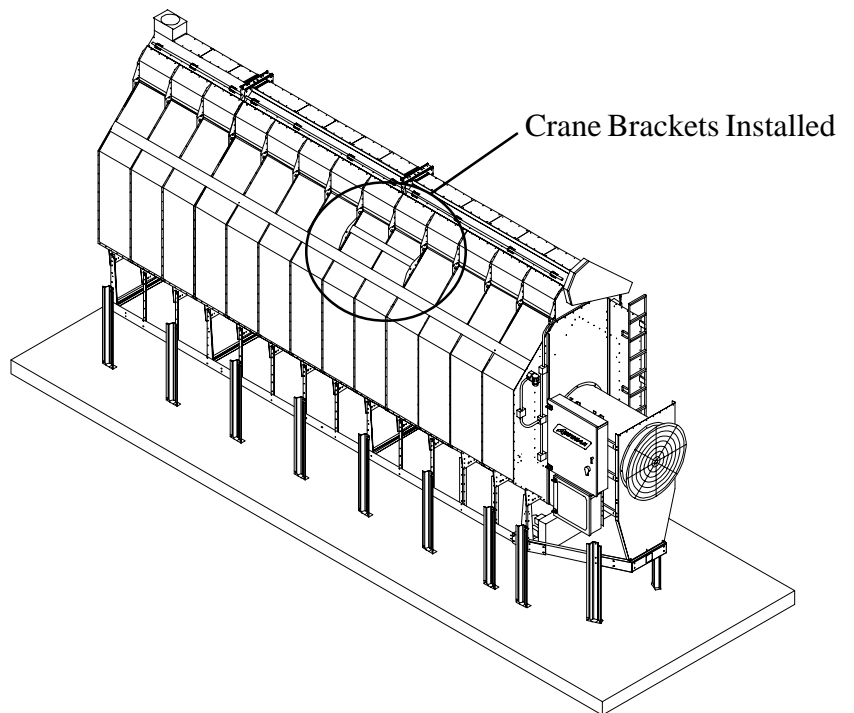


26' Base Module crane bracket placement

Top Modules utilize 2 crane brackets with 4 lifting points and a spreader bar between. These mount to column seams on the roof screen.

Lifting usually occurs between the 2nd column from fan end to the 6th column from fan end.

The module should remain parallel to the earth as it is lifted.



26' Top Module crane bracket placement

## Module Stacking



### BE ALERT!

Personnel working around this equipment while it is lifted into position must use exercise caution. Lifting equipment (crane and rigging) must be of proper lifting capability for the unit size and weight. All local safety precautions and procedures must be followed.



Lifting of 26' Base Module

A crane of sufficient lifting capability should be used.

Loads of 5,000 to 15,000 pounds should be expected.

Move Stack Dryer Pedestals into position and attach to the Base Module before setting it into final position.

Once set in place, anchor the Base Module Pedestals and install the legs for the hitch and rear corners (if required).



Lifting of 26' Top Module

Crane brackets may need to be adjusted to compensate for the additional weights of accessories or substitute components.

Attach Module Tie Brackets to four corners of each Top Module/

Position Upper Modules into place and splice Stiffeners together. Install the bolts for securing the End Panels together.

- Secure all bolts connecting modules and stiffeners.



## Module Finishing



### Electrical Safety

Provision of an adequate and safe power supply to the Stack Dryer unit is essential to your safety. GSI recommends that a competent and qualified electrician undertake all electrical wiring. All wiring is to be installed to the National Standards and Regulations relevant to your Country and Region.

A Mains Power Isolator should be installed with the Stack Dryer unit and is essential for your safety. This should be installed as indicated in the enclosed installation instructions and in accordance with the relevant Directives in force.

- Connect wiring between modules making sure all connections are secure.
- Contact the Electrical Service Provider to connect power.



### Fuel Safety

Provision of an adequate and safe fuel supply to the Stack Dryer unit is essential to your safety. GSI recommends that a competent and qualified fuel serviceman undertake all fuel connections. All fuel connections are to be installed to the National Standards and Regulations relevant to your Country and Region.

A Mains Fuel Isolator should be installed with the Stack Dryer unit and is essential for your safety. This should be installed as indicated in the enclosed installation instructions and in accordance with the relevant Directives in force.

- Connect fuel connections between modules making sure all connections are secure and no leaks are present.
- Contact the Fuel Service Provider to connect fuel supply.