



**Rough
Brothers,
Inc.**

**Design,
Manufacturing,
Systems,
Construction**

5513 Vine Street
Cincinnati, Ohio
45217

800.543.7351 *ph*
513.242.0816 *fax*

Cooling & Ventilation

Table of contents

1 Mechanical Ventilation Equipment.....	2
2 Natural Ventilation.....	2

1. Mechanical Ventilation Equipment

1.1. Exhaust Fans

Whether used in combination with a vent or inlet shutters, propeller blade fans offer low pressure, medium volume ventilation. Fans are either single speed or two speed and sized for each project. Fans are complete with housing, guards, louvers and motors.

1.2. Inlet Shutters

Placed at the opposing side or gable from the exhaust fans, inlet shutters provide the proper opening for complete ventilation. Sized for each project to properly ventilate based on area and fan size. Each shutter is complete with motoring kit.

1.3. Evaporative Cooling

Evaporative cooling pads, constructed of cellulose paper of a cross fluted design with water flowing through the pads, allowing moisture to enter the greenhouse environment, resulting in lower temperatures. The air is drawn through the house by exhaust fans placed at the gable or sidewall opposite the cooling pads.

2. Natural Ventilation

Natural ventilation is an option with each of Rough Brothers structures. Accomplished with roof, sidewall, and gable vents, natural ventilation offers a lower operating cost solution to ventilation.