

# *WINNETKA FIRE DEPARTMENT*



## **Minimum Safety Guidelines for the Use of Greenhouses for Outdoor Dining**

- Structural
  - Materials must be fire resistive.
  - Glass in frame are structures and will need to be assembled and anchored per IBC.
  - If used, glass should be tempered.
- Doors
  - The exit door must be easily identifiable and swing in path of egress.
  - Proper life safety lock and latch arrangements are required.
- Exits
  - Exit corridors running between a series of individual green houses are required to be illuminated.
  - All lighting and electrical provisions must comply with NFPA 70.
  - Exit corridors running between a series of individual greenhouses shall lead to exits from the area. No barriers may block the means of egress from the area. Exit gates shall swing in the path of egress.
  - Two exit discharges would be required from an area consisting of a series of individual green houses.
- Heating
  - Patio heaters must be spaced at proper distance from greenhouses (minimum 5 feet).
  - Any heating appliance shall be installed and maintained per manufacturer's instructions. The heating element or combustion chamber shall be permanently guarded to prevent accidental contact by persons or materials.
  - Each heating unit will require a CO Detector when supplemental heating is provided.
  - Only listed and labeled portable electric space heaters shall be used, plugged directly into an approved receptacle and shall not use an extension cord. Heaters shall also maintain proper clearances per the manufacturer.
- Electrical Devices & Extension Cords
  - Extension cords shall be maintained in good condition, be rated for the environment, not exceed 100 feet in length, and not be rated less than the ampacity of the portable appliance connected.

- Extension cords shall be grounding type plugged directly into an approved GFCI receptacle, power tap or multiplug adapter and shall serve only one portable appliance.
- Cords shall be routed as to not present a trip or safety hazard and if run overhead shall be carried by a messenger wire or other approved method
- All cords and wiring must comply with the 2014 National Electric Code.
- Miscellaneous
  - No open flames inside structures.
  - Fire extinguishers would be required for a series of individual green houses, not each unit.
  - Staff would be required to have emergency procedure training.

Any deviations from the above would require the approval of the authority having jurisdiction.