

Today's Date:  Design Needed By:



Heating System Requirements

**General Information**

Company: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Project name & location:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Site Information**

Crops Grown: \_\_\_\_\_

**Utilities:**

Natural gas  Liquid propane  Electric  Other (biomass, waste heat, etc). Describe: \_\_\_\_\_

Electrical service: Voltage: \_\_\_\_\_ Amperage \_\_\_\_\_ Phase \_\_\_\_\_

**Control System:**

None  Agrowtek  Argus  Hortimax  Link4  Microgrow  Priva  Wadsworth  Other \_\_\_\_\_

**Heating**

Is there an existing heating system?  Boiler  Unit heater BTUH capacity: \_\_\_\_\_

**Structure Information**

**Temperature**

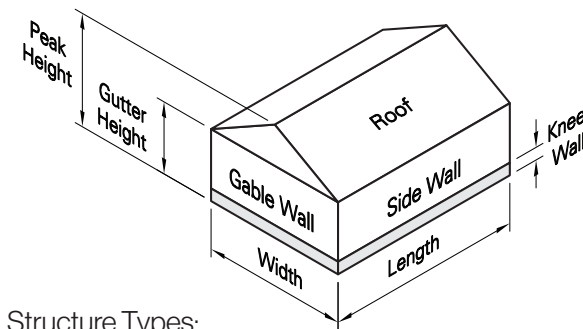
Desired inside temp (°F): \_\_\_\_\_

**Zones**

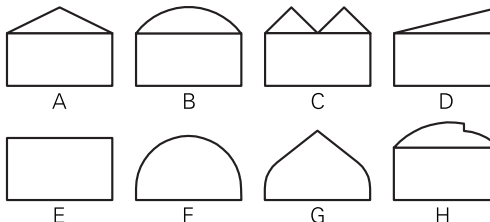
How many zones should we design? \_\_\_\_\_

Using the lists and diagrams below, indicate dimensions and glazings/coverings for your project.

<input type="checkbox"/> New <input type="checkbox"/> Existing				
House	1	2	3	4
Number of ranges:				
Bays per range:				
Gutter height (ft):				
Knee wall height (ft):				
Bay width (ft):				
Bay length (ft):				
Peak height (ft):				
Structure type*:				
Glazing/Covering (from list)				
Side wall:				
Gable wall:				
Roof:				
Kneewall:				



Structure Types:



Growing surface:

**Benches:**

- Stationary  Gutters
- Mobile Trays  Troughs
- Rolling

**Floor:**

- Concrete
- Gravel/Sand
- Rafts in ponds

Glazing/Covering List:

1. Polyethylene Film, Single
2. Polyethylene Film, Double
3. Acrylic Film, Double
4. Polycarbonate Sheet, 16mm
5. Polycarbonate Sheet, 8mm
6. Polycarbonate Sheet, 6mm
7. Polycarbonate Sheet, Triple Wall
8. Polycarbonate Sheet, Corrugated
9. Fiberglass
10. Glass, Sealed
11. Glass, Lap
12. Concrete, 4"
13. Concrete, 8"
14. Concrete, Block
15. Wood
16. Metal
17. Insulated (R-Value)
18. Other: \_\_\_\_\_

## Site Sketch Checklist

Please sketch your site, including:

- Structure footprint and dimensions
- Aisles and walkways (locations and sizes)
- Bed or bench dimensions
- Control zones required
- Boiler/Mechanical room desired
- Indication of existing and retrofit items
- North arrow
- Doors
- Utility locations
- Water system (storage and fertigation)

A large grid area for sketching the site plan, consisting of a 30x30 grid of small squares.