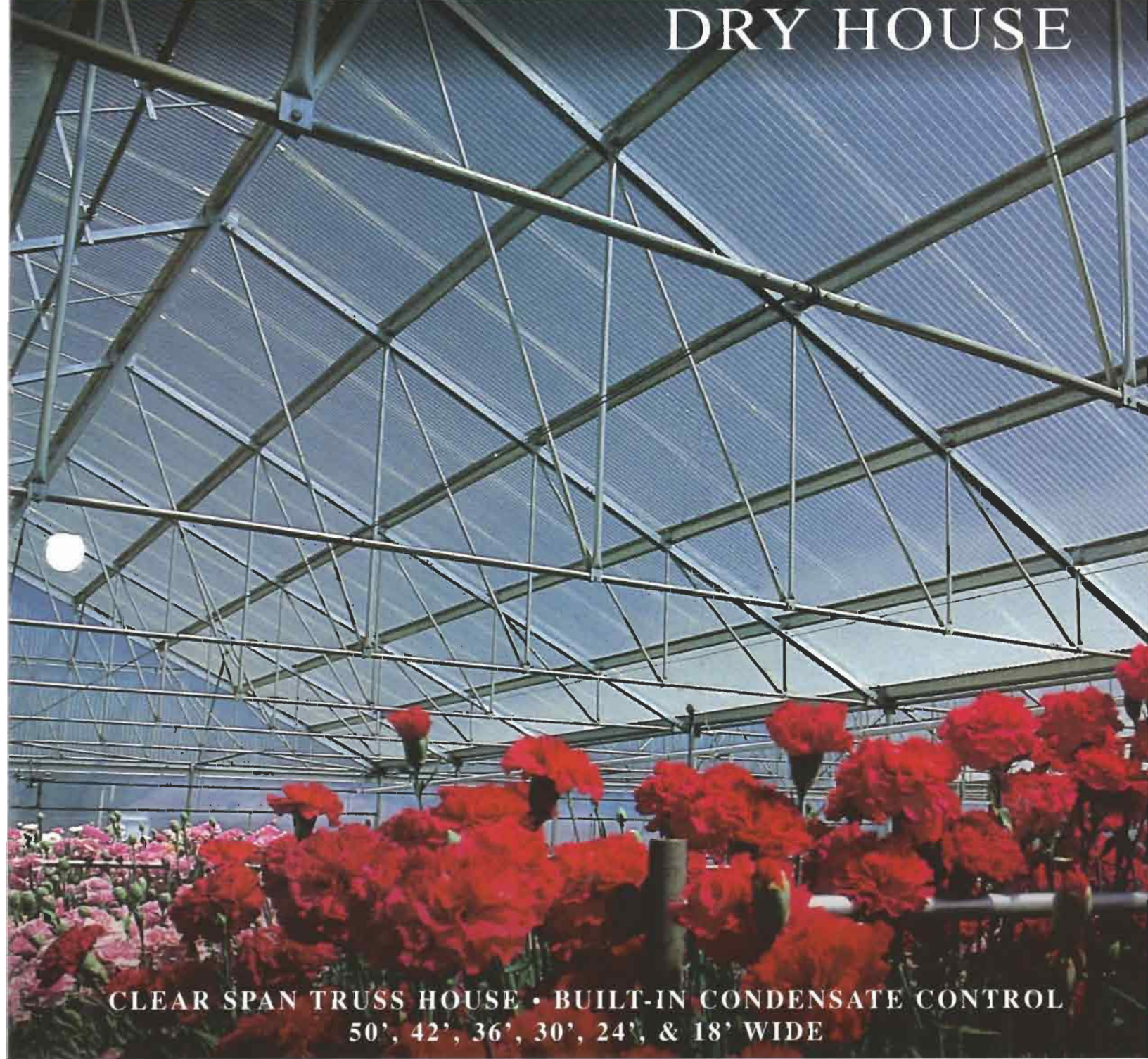


SOLAR LIGHT

DRY HOUSE



CLEAR SPAN TRUSS HOUSE • BUILT-IN CONDENSATE CONTROL
50', 42', 36', 30', 24', & 18' WIDE

© **A G R A T E C H**

GREENHOUSE MANUFACTURERS

Known as the "Dry House" due to its built-in condensate removal system, it is the obvious choice for your highest quality – most valuable crops – from your most critically sensitive environmental requirements to mass production areas and headhouses.

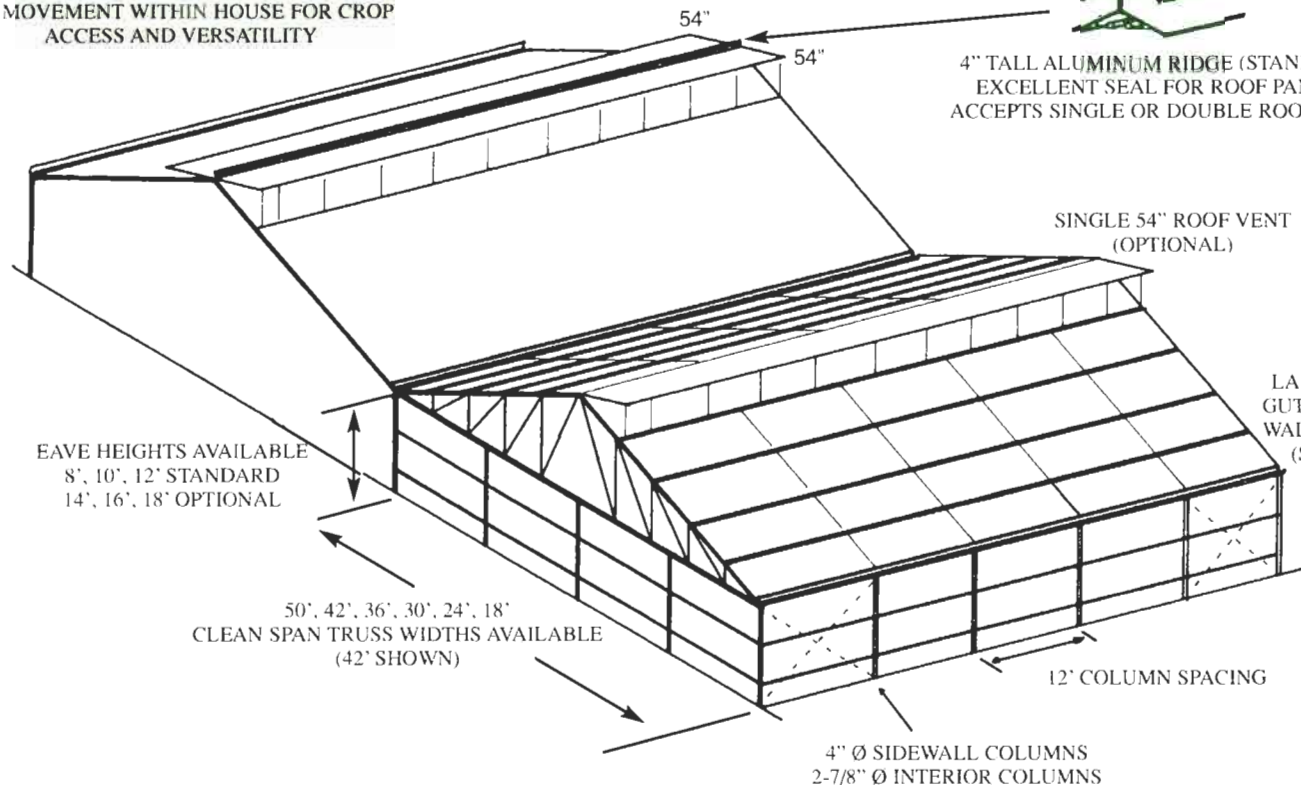
WIDE CLEARSPANS AND 12' ON CENTER COLUMN SPACING ALLOW FOR FREEDOM OF MOVEMENT WITHIN HOUSE FOR CROP ACCESS AND VERSATILITY

DOUBLE 54" ROOF VENT PROVIDES 9' OF VENTILATION (OPTIONAL)

RIDGE EXTRUSION

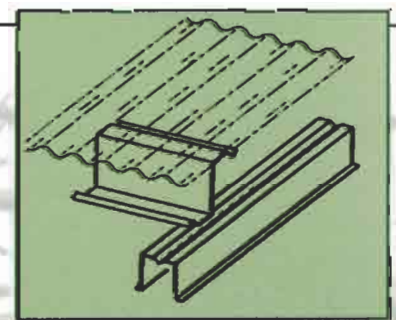


4" TALL ALUMINUM RIDGE (STANDARD) EXCELLENT SEAL FOR ROOF PANELS ACCEPTS SINGLE OR DOUBLE ROOF VENT



BUILT-IN CONDENSATE REMOVAL SYSTEM

- Superior design really keeps the Solar Light dry inside
- Purlins channel condensation to the top chord
- A special "V" in the top chord channels it to the gutter
- Condensation is then taken outside the house where it belongs
- Special purlin design eliminates the need for drip clips
- Saves construction time
- Glazing fastened directly to purlin gives a superior attachment



THE SOLAR LIGHT SERIES OF HOUSES IS DESIGNED FOR VERSATILITY:

- **6/12 Roof Pitch Advantages:**
Aids in condensate removal
Air circulation is improved due to large air mass
Enhances natural roof ventilation systems
Gathers low winter sunlight
Sheds snow to increase snow loading
Ample room for truss-to-truss energy curtain systems, lighting, heating, roof vent equipment and transportation systems
- 3/12 Roof Pitch is ideal for warehouse and storage buildings
- Loadings: Snow loads of 40#, 30#, 20# and 10# per sq. ft.
Wind loads of 110 mph, to 70 mph
- Special widths, heights, lengths and loadings can be manufactured to order on request
- Many size variations allow you to choose the configuration that best fits your crop, your land and your loading requirements:
Widths of 50', 42', 36', 30', 24' and 18' standard
Heights of 8', 10' and 12' standard or 14', 16', 18' optional
Lengths any multiple of 12'
- Glazing system choices: 8mm structured sheets, corrugated polycarbonate or metal, double poly

SOLAR LIGHT

ENGINEERED FOR SUPERIOR STRENGTH, VERSATILITY AND OPENNESS

- **4" DIAMETER SIDEWALL COLUMNS** kneebraces at the sidewall columns only.

- **2 7/8" DIAMETER INTERIOR COLUMNS** no interior kneebraces required. Saves valuable space for energy curtains, transportation systems, watering booms and workers.

- **ENDWALL DESIGN** provides flexibility for future expansion and crop movement. Full truss at endwall allows for easy expansion, extra strength to support hanging equipment and easy mounting of energy curtains. Tubing cross braces between end trusses evenly distribute wind loading. Endwall may be built without endwall columns, opening the whole house. Rolling trays and equipment can be moved in and out efficiently.

- **SNOW LOAD AND STANDARD LOAD**
Performs well in any climate
We have Solar Lights from Alaska to Mexico

- **IDEAL FOR NATURAL VENTILATION**

- **SIDEWALLS INCLUDE:**

PRE-PUNCHED GUTTERS

EXTRUDED ALUMINUM TRIM
WITH CLOSURE STRIP

BULB RIVETS AT LAPS FOR
CORRUGATED PANELS

4 1/2" DEEP WIND GIRTS
BOLT TOGETHER CONNECTIONS
EASY INSTALLATION

RAPID GLAZING WITH
SELF-DRILLING - SEALING TEK SCREWS

WALLS SET FOR STRUCTURED
PANELS INCLUDE:

- ALUMINUM GLAZING BARS AND CAPS
- 6" ON CENTER CUT TO LENGTH
- TERMINAL STRIP AT BOTTOM TO KEEP PANELS CLEAN AND DRY
- ALL SEALANTS AND TAPES REQUIRED SO YOU GET THE OPTIMUM ENERGY SAVINGS FROM YOUR INVESTMENT

STRONG WALK-IN GUTTERS

11"

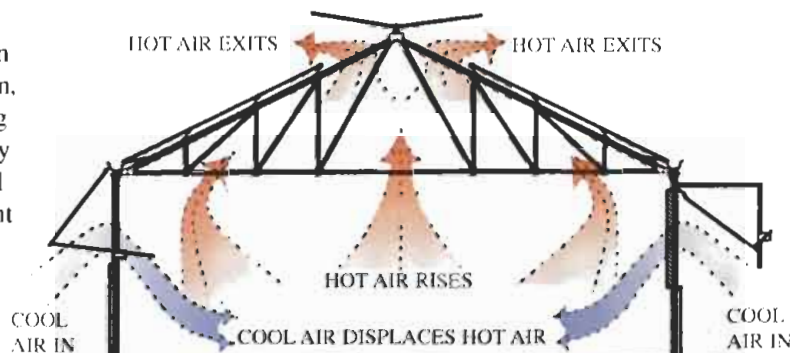
CONDENSATE REMOVAL SYSTEM
CONDENSATION IS CHANNLED
FROM TOP CHORD INTO GUTTER
(Not into the greenhouse)

TUBE BOTTOM CHORD
WILL NOT TRAP DIRT AND
MOISTURE

OPTIONAL CONDENSATE REMOVAL
SYSTEM UNDER GUTTER

GALVANIZED STEEL CONNECTOR UNIT - READY
FOR ADD-ON HOUSES AT ANY TIME. THROUGH
BOLTS TO COLUMN FOR ADDED PROTECTION

PRE-DRILLED
4" DIAMETER SIDEWALL COLUMNS



QUALITY COMPONENTS FOR AN INVESTMENT THAT WILL LAST A LIFETIME

- Galvanized steel frame for protection against the greenhouse environment
- Tubing used for columns, bottom chords and webs
- Break formed top chords and purlins
- Hot dip galvanized bolts and nuts
- Aluminum extruded trims: ridge, sidewall, vent, gables and corners
- Quality glazing accessories save energy – we use the best closure strips and bulb rivets
- 8 mm Polycarbonate glazing systems –
 - All aluminum extruded bars and caps (last as long as the house)
 - Aluminum extrusion at the bottom of the panel (keeps dirt and moisture out of cells – eliminates algae growth inside your panels)
 - Aluminized sealing tape at panel tops
 - Porous tape at panel bottoms allows moisture to escape – keeps contaminants out
 - Silicone – the best we can buy (skimping here could cost big dollars in the future with added heating costs and damage to your glazing)

SOLAR LIGHT

**OUR ATTENTION TO DETAIL
SAVES YOU VALUABLE TIME & MONEY**

Built-in labor saving features make the Solar Light less expensive to build

- Prepunched gutters – predrilled columns
- Glazing systems come complete and prefabricated
- No drip clips are required
- Trims are complete and attractive
- All hardware included
- Step-by-step construction plans included
- Turnkey construction service available

Mounting kits for all accessories available

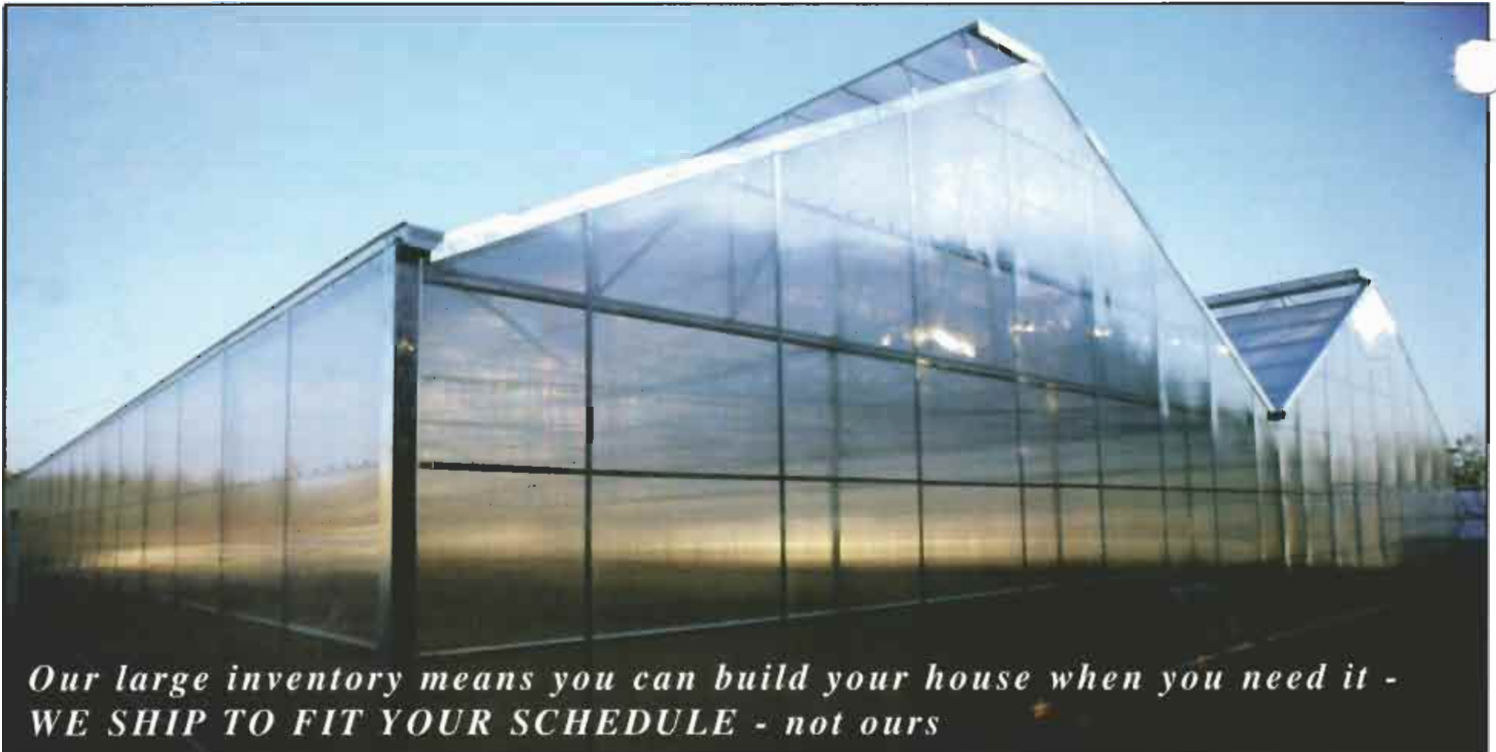
- Cooling pad mounts (steel stringers and all flashings supplied)
- Heater hanger kits
(designed specifically for the Solar Light Truss – includes all hardware, framing and glazing accessories required)
- Doors – sliding equipment doors 4' to 12' wide and 3' steelbacked wood core hinged doors
- Under gutter condensate channels
- Exhaust fan mounts (include columns drilled to accept fans).
No field drilling of columns required

Lower freight costs

- Knock-down truss design saves space and money – we ship steel, not air
- 35,000 square feet of greenhouse per standard truck load because we fill to maximum weight rather than cubic feet (and it takes less than an hour to assemble a truss)

Single source responsibility - we do complete projects.

- **Curtain Systems**
Manufactured by Agra Tech to fit our houses.
Easy to install.
Push/pull systems for energy savings, shade or black out.
- **Bench Systems** – Manufactured by Agra Tech to fit your crop and your house.
Mobile trays, rolling, stationary and display benches are available.
Expanded metal or ebb and flow tops are available.
- **Environmental Equipment**
Engineered to work for you.
Heating, cooling and control systems are readily available.
- **Construction Services**
We will build the complete project or a specific part.



*Our large inventory means you can build your house when you need it -
WE SHIP TO FIT YOUR SCHEDULE - not ours*



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