

Material List (Roof Corner - Overhang Advised)

- Roof: (25) 4' x 24' Lexan ThermoClear (1 extra)
- (24) 24' Base & Cap (1 extra)
- (26) U-Profiles
- South (24) 4' x 8' Lexan ThermoClear
- Wall: (26) 8' Base & Cap (26) U-Profiles (2) Corner
- Gable (2) 4' x 16' Lexan ThermoClear
- Walls: (2) 4' x 15' Lexan ThermoClear
- (2) 4' x 14' Lexan ThermoClear
- (2) 4' x 12' Lexan ThermoClear
- (2) 4' x 11' Lexan ThermoClear
- (2) 4' x 10' Lexan ThermoClear
- (4) 24' Base & Cap (6) 16' Base & Cap
- (22) U-Profiles
- Hdwr. (4) Bags of screws (1) Roll Alum Tape - Spacers (as needed if blocking)
- (1) Roll 3" or 6" Flashing Tape (12) Tubes Silicone

Note: U-Profiles to go around fan, shutters & door - not included. Add sufficient U-Profiles.

Note: Plan is typical design. Your needs & design may vary. 40' x 98' is the approximate size.

Roof Poly on 4/12 (18°) Pitch - Min. pitch for passive solar on S. facing greenhouse.

Base & Cap stock length 24'. 24' Polycarbonate most efficient length to use on roof.

Aquaponics is a type of sustainable agriculture that blends aquaculture with hydroponics, benefiting both plants and fish. Waste from fish is used by plants as fertilizer, cleaning water for the fish. Clean water is then returned to the fish, beginning a new cycle.

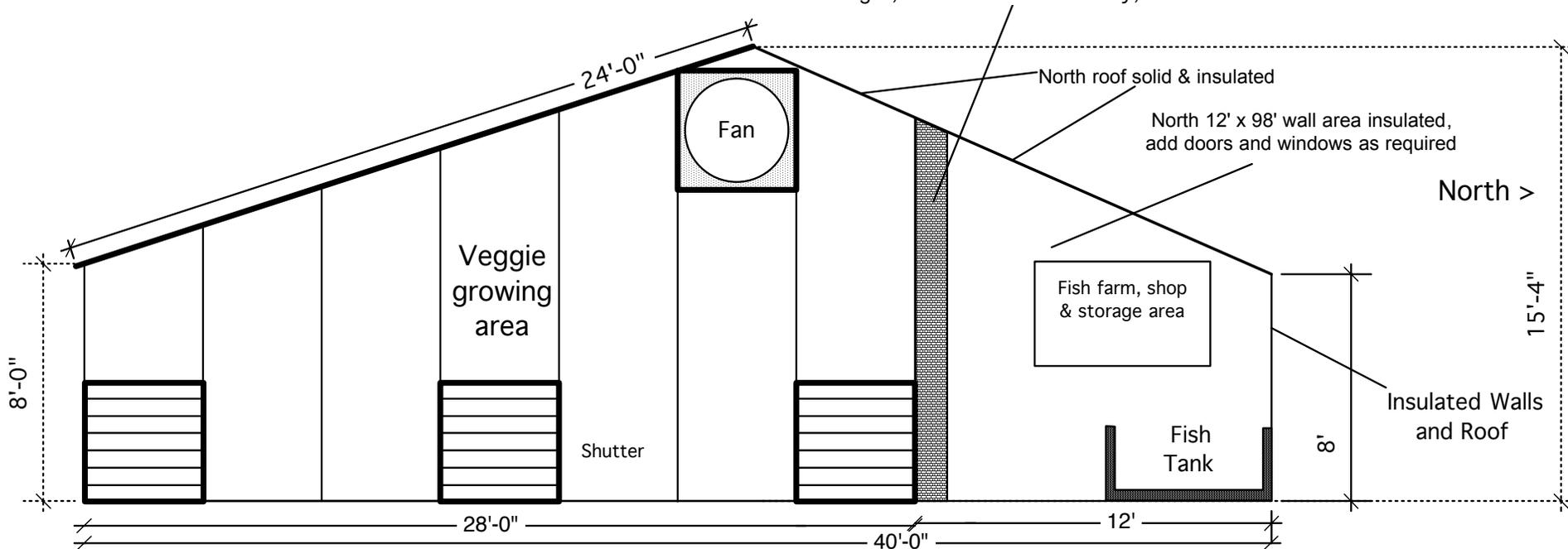
Basics 25% of area for fish farm, on north side of building, add ventilation and divider blinds or curtains to limit sunlight, resulting in control of algae growth.

Cold Climates: 16 or 25mm 3-Wall on roof gives high R-value.

South Wall shown as 8 ft. high to minimize cubic ft. of interior space to be heated and cooled.

Polycarbonate: Softlite diffuses light, increases plant growth, reduces glare, excellent for roofs. Clear often used on walls for visual clarity.

Masonry thermal storage wall for cold areas, or stud wall for warm climates. Doors, windows, blinds and curtains to control light, heat and allow for entry, as needed.



Note: Dimensions approximate. Framing Guide has Base & Cap System Layout. Fan high on one end, inlet shutters low on opposite end. Poly: Softlite diffuses light, great for plants, use on at roof. 16 & 25mm reduces condensation and heat loss. ThClear 20 yr Warranty wise investment.