References:

① Two Layered polyethylene airinflated roofing 6Mil.
U-value 0.7 BTU/hr ft.² °F. without curtains
U-value 0.4 " " " " with thermal curtains
Design inside temp. 70° F.
Design outside temp. January extreme 0° F.
" " " " Average January low 25° F.

② Corrugated fibre glass siding
U-value 1.2 BTU/hr. ft.² °F.

③ Vertical Vinyl heat exchanger curtains (black)
U-value 1.25 BTU/hr ft.² °F.

110°F. geothermal inlet; outlet drains to porous concrete floor into floor reservoir.

Designed to provide 75% of the heat requirements — other 25% being provided by radiant heat from the floor 0°F. outside temp. requires 4,000,000 BTU/hr. for 2.64 acres
Single sheet plastic film draped over a geothermal trickle feed irrigation pipe 8'0" above the floor.
Gas fired space heaters for emergency standby & CO_2 enrichment

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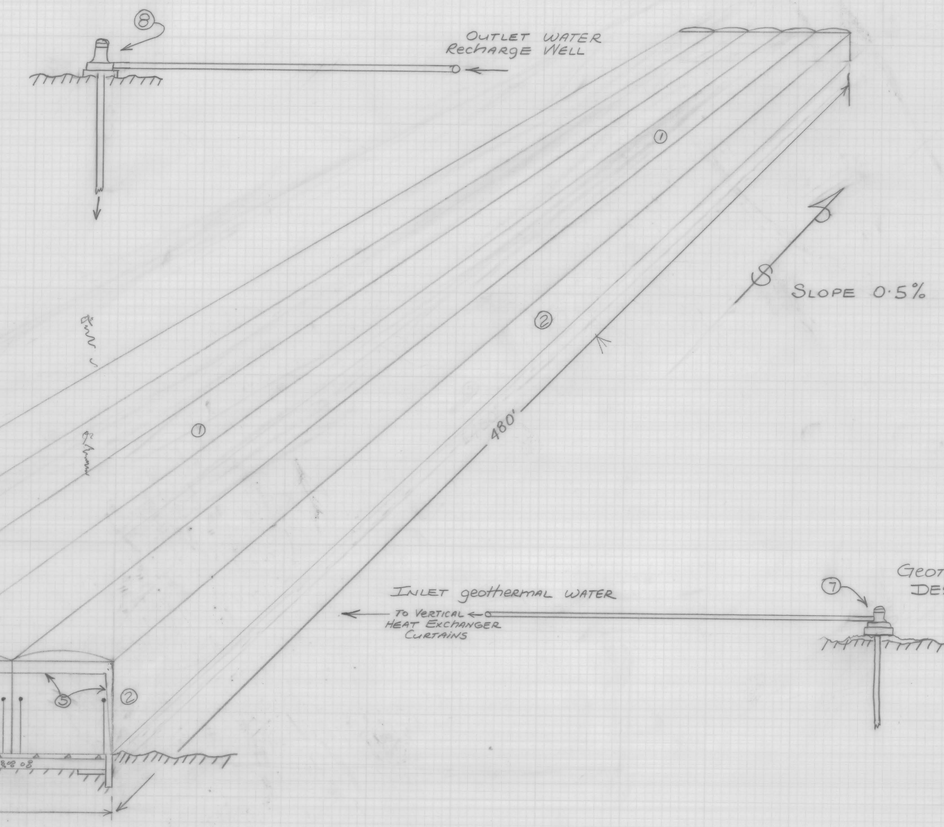

GEO-AGRI-TECH, INC.
Conceptual Design
Enviromentally Controlled
Greenhouse
with
Geothermal Heating

(Thermo Dyn Arch)
Thermodynamic Architectural Engineers & Assoc.
San Simon Project

Drawn by: E.G.H.
Engineering: G R W (P.E.)

Not to scale
3/20/82