



THE NEEDS OF AQUACULTURE IS AN ATTRACTIVE AND GROWING INDUSTRY

- 1/3 of all freshwater fish are threatened with extinction (10,000 species)
- In 2020 alone, 16 freshwater species were declared extinct
- Since 1970, mega fish, those over 66 lbs. have declined by 94 percent
- Migratory freshwater fish have declined by 76 percent
- Contaminated waters continue to threaten species
- 17% of all consumed protein is fish

* Source: The World Wildlife Foundation

10 Challenges impacting wholesale food

Macro economic trends dictating production increases

Chef's demanding **better tasting, local** products

Overfishing reducing available fish species

Higher nutrition levels are being asked of providers

Increasing demand for **pesticide free food**



Declining migrant labor is resulting in harvesting shortages

Water consumption and **declining aquifers** are becoming bigger concerns

Quarantine has accelerated demand. Food system fragility is being highlighted

Weathers impact on supply is increasing common

Customers direct buying from farms (\$14 Billion and growing at 11% annually)

Controlled Environment Agriculture benefits

Local organic produce picked at **perfect times**

Produce **grown for taste**

Diverse crop selection options

Varied fish species

Consistent & uniform produce

Crop exclusives

Safe & sustainable sourcing

Produce waste can be put to use

No seasonal disruptions

Scientifically monitored nutrition

Can grow **Heirloom varieties**

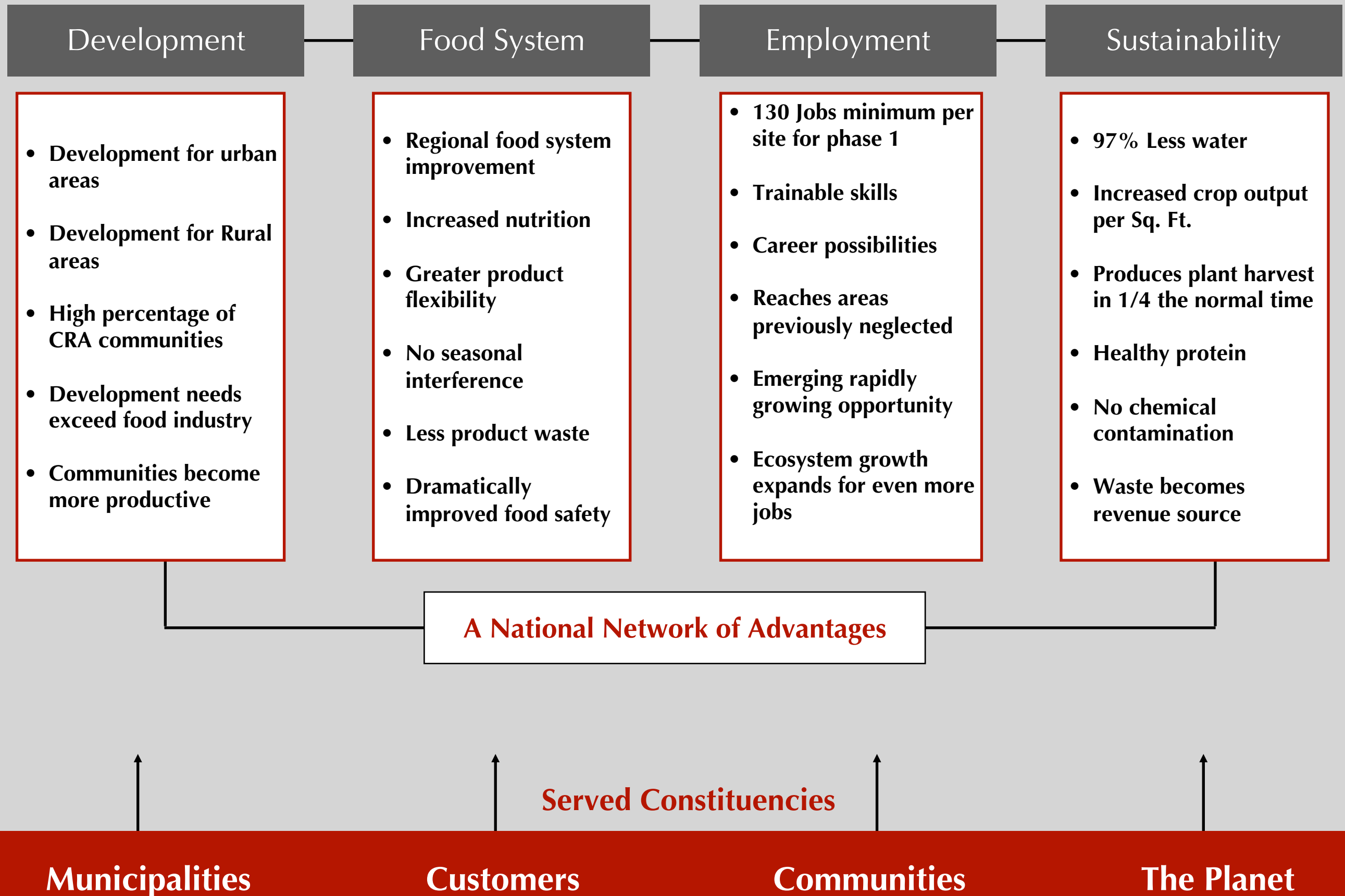
Farm to table speed increased

We define the space, **customer chooses the crop**

Crop can be **changed in one cycle**



Our Solutions are a 4 part win





Vision

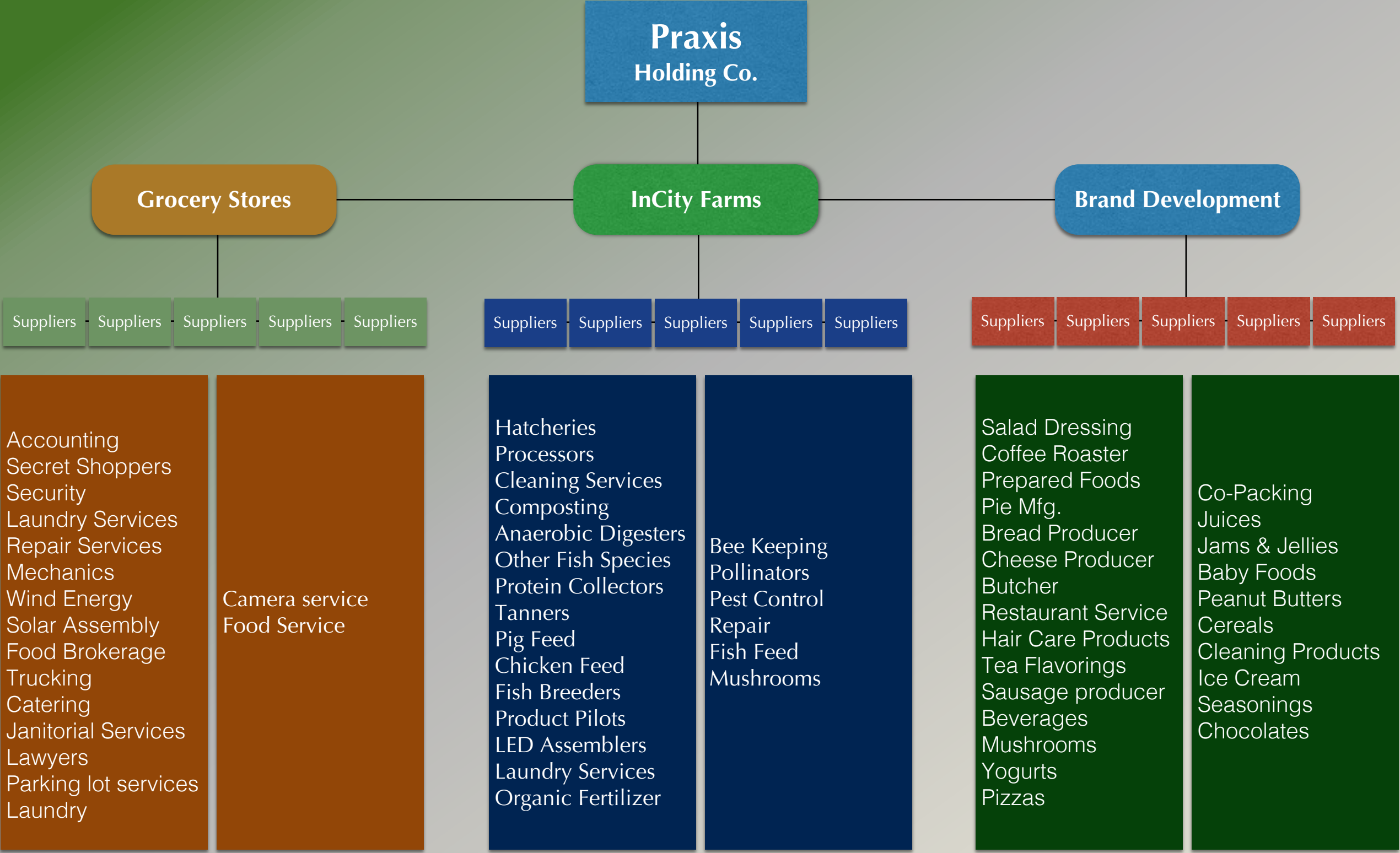
200 Aquaponics Scaled Projects

Catalyst for community revitalization

Spawns new ventures in healthy food

**Solving city challenges
through business opportunity**

An Urban Plan



An oversimplified
food industry view



Consumer

Retail

Food Service

Mass-Club - Drug

Supermarket

Convenience

Mass-Club - Drug

Restaurant

Institutional

Brokers

Distributors

Consumer Product Manufacturers

Branded
Manufacturer

Private Label
Manufacturer

Food Service
Manufacturer

Primary & Secondary Processors

Drying, Freezing,
Canning

Custom
Formulation

Primary & Secondary
Conversion

Ingredient
Manufacturer

Technical
Ingredients

Producers

Agricultural
Commodities

Minerals, Resins,
Plastics

Fiber
Packaging

Energy

Domestic &
Imported

Logistics

Warehousing

Transportation

Parts of our Aquaponics project

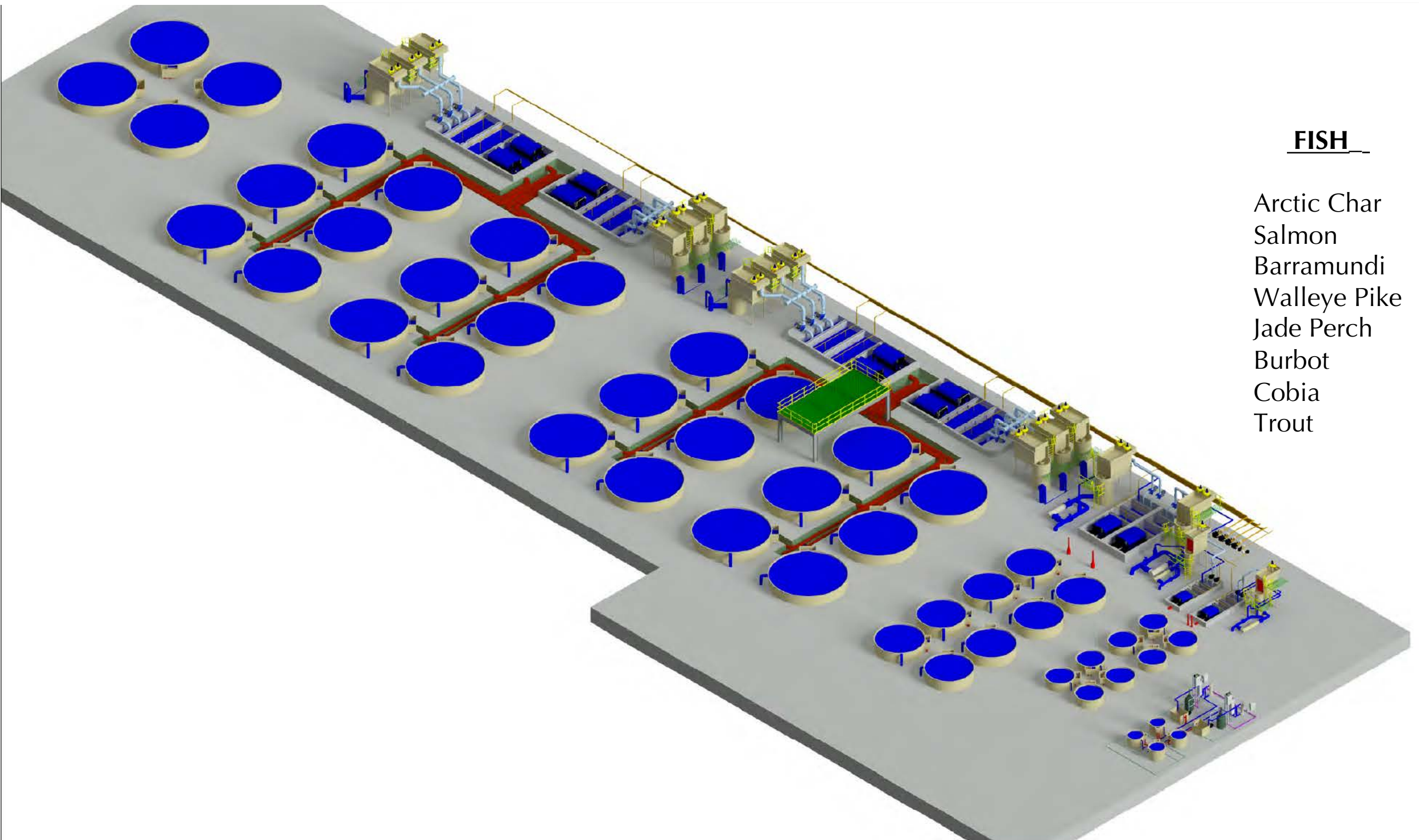
Stems = is our main grow building
Gills = is our aquaculture building

Squirms = is our vermiculture operation
CAPS = is the mushrooms building



FINAL TANK SYSTEM DESIGN

Produces 750,000 pounds of fish annually



FISH

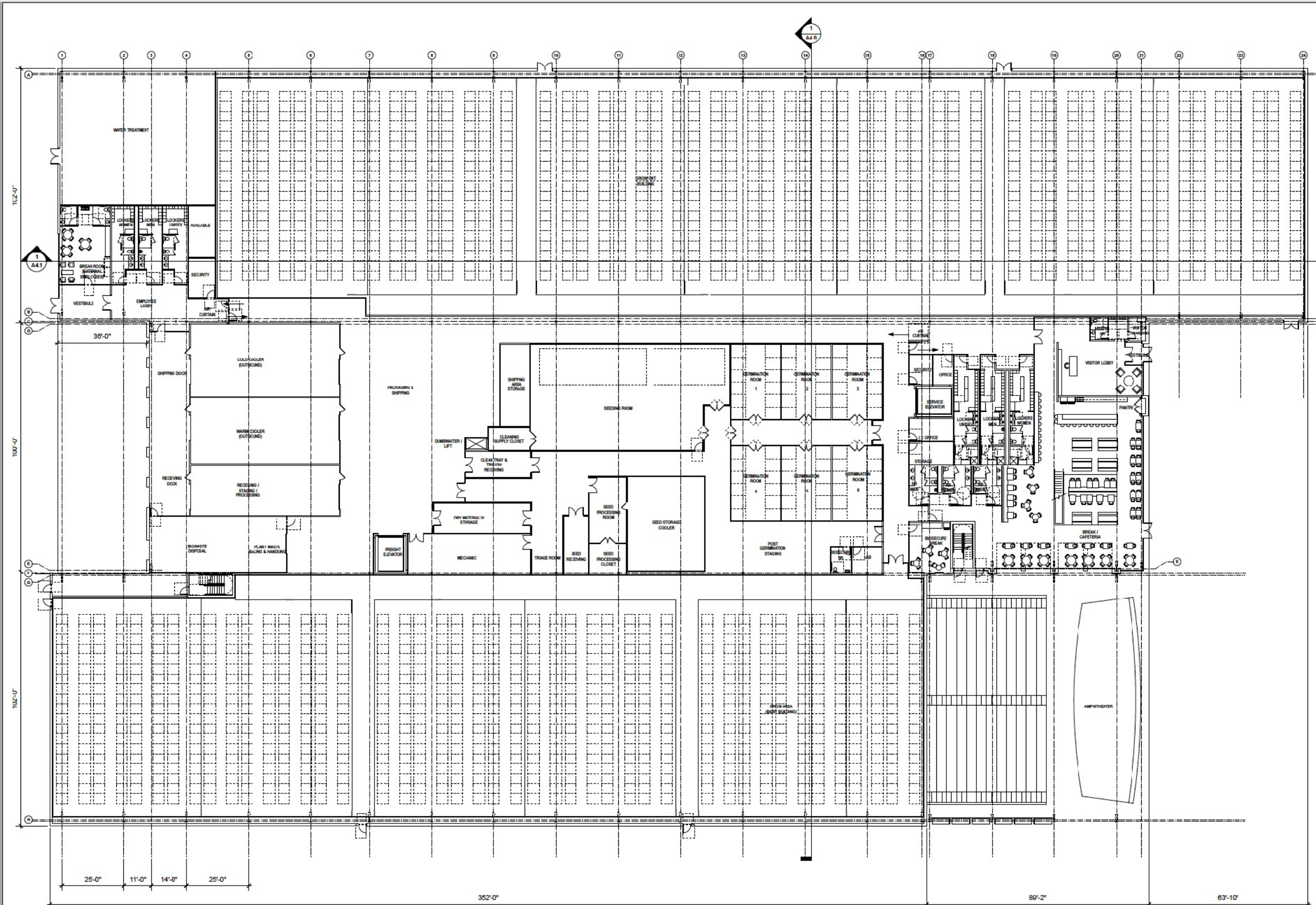
Arctic Char
Salmon
Barramundi
Walleye Pike
Jade Perch
Burbot
Cobia
Trout

OVERHEAD VIEW OF STEMS BUILDING

Which is the primary plant growing building



**PRELIMINARY
 NOT FOR
 CONSTRUCTION**



1 LEVEL 1 OVERALL PLAN
 SCALE: 1/16" = 1'-0"



**Expandable to 500,000 sq. ft
of intensive square feet of growing**



PROPRIETARY PRECISION GROW BED SYSTEMS

Filtration Systems



**A BEAUTIFUL WAY TO WORK
DURING OUR WINTER HIBERNATION**

