

# Dakota Bioproducts Innovation Institute

## Pilot Scale-up Facility

- Bioprocessing Labs
- Analytical Labs
- Office Space
- Fermentation
- Separation/Purification
- Product Drying



POET

SD CORN

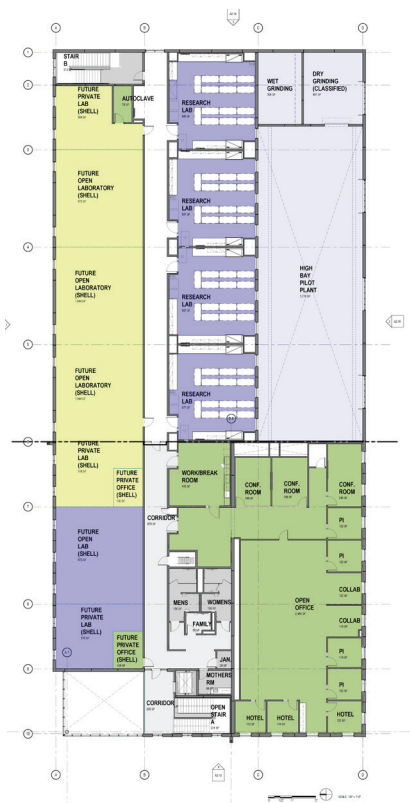


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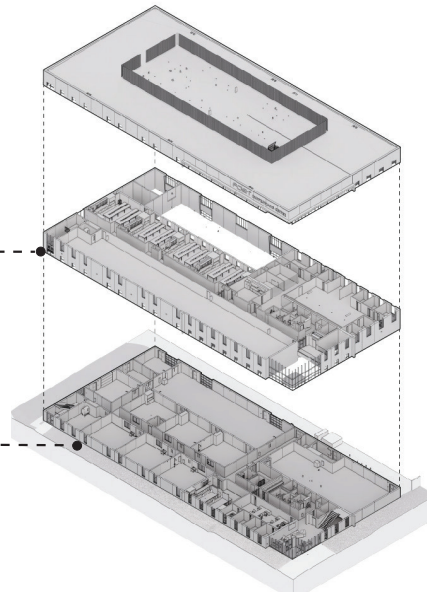
**SECOND FLOOR PLAN**



**FIRST FLOOR PLAN**

## KEY FEATURES

- 43,510 sf - Building
- 3,776 sf - Highbay Pilot Plant
- 6 - Bioprocessing labs
- 5 - Labs
- 8 - Private offices
- 3 - Hoteling
- 2 - Open offices: 735 sf and 2,454 sf
- 2 - Collab spaces
- 3 - Conference rooms
- 5,600 sf -Growth area: 6 future labs, 2 future offices



## EQUIPMENT

### FEEDSTOCK PROCESSING EQUIPMENT

- Hammer Mill
- Supersack Unloader

### FERMENTATION EQUIPMENT

- Media Prep Tank
- Seed Fermenters
- Main Fermenter(s)
- Harvest Tanks
- Small Working Tank
- Incubator Shakers
- Metering and sanitary pumps

### SEPARATION/CONCENTRATION EQUIPMENT

- Disc Stack Centrifuge
- Decanter Centrifuge

### DRYING EQUIPMENT

- Spray Dryer
- Pellet mill

### PROCESS/SUPPORT EQUIPMENT

- Chiller
- Boiler
- RO Unit
- MF / Ultrafiltration Skid
- Vacuum Pump/System
- Walk-in / refrigerated storage
- -80 freezer
- Weigh Scale
- Large/Small Autoclave



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