

WALDRON HALL REPLACEMENT PROJECT

**NEW FACILITY, RENOVATION OR
DEMOLITION AND RECONSTRUCTION**

The request is for a new facility. Three aging buildings would be demolished as part of the plan (Potato Research Laboratory; Widakaas Hall; Lord Burnham Greenhouses). Waldron Hall would not be demolished but would be repurposed.

**NUMBER OF SQUARE FEET OF THE
ENTIRE BUILDING (INCLUDE SQUARE
FEET OF OLD BUILDING
IF APPLICABLE)**

Plans call for construction of 220,252 gross square feet of space. The old buildings contain 87,432 square feet.

**NUMBER OF SQUARE FEET BY
CATEGORY (CLASSROOMS, LABS,
OR OTHER TYPES OF CATEGORIES)**

These numbers are NET square feet:

- Wet chemistry labs (analytical research space requiring use of chemicals) – 27,570
- Dry laboratory space (space dedicated to research that involves a variety of analytical equipment but not using chemical analysis) – 21,300
- Specialty labs and conditional storage – 63,154
- Headhouse/growth room (dedicated space for specialty plant growth chambers and controlled environment agricultural research)– 15,556
- High Bay receiving/loading/storage – 16,900
- Support spaces – 18,670
- The remainder of the space is mechanical, electrical, interior walls, bathrooms, corridors and other spaces not assignable.

**TYPES AND NUMBERS OF
ANTICIPATED CLASSES THAT
WILL UTILIZE THE COMPLEX AND
APPROXIMATE NUMBER OF STUDENTS
THAT WILL UTILIZE THE BUILDING.**

This is an Ag Experiment Station building. No classroom space will be included. Students (graduate and undergraduate) will use the building for the research they are involved in. The building will include space utilized in plant breeding, agronomy, weed science, horticulture, plant pathology, and soil science. This research will result in plant varieties that are better adapted to North Dakota growing conditions, improved soil fertility and fertilizer recommendations, improved solutions for weed control, and better solutions to plant disease threats for North Dakota farmers and ranchers. The return on investment for these research-based solutions is 25 to 1 and results in enhanced economic activity throughout North Dakota.

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WAS THE BUILDING LISTED ON THE NDUS PROJECTS LIST?

This building is the Number One capital improvement project priority for the State Board of Agricultural Research and Education. It was also the Number One ranked capital improvement project in the 2019 and 2021 legislative sessions and the 2021 special session.

LOCATION OF THE BUILDING (MAP IF POSSIBLE) AND IF THE INSTITUTION CURRENTLY OWNS THE LAND OR WILL NEED TO ACQUIRE THE LAND.

See map. NDSU and the Ag Experiment Station own the land. No land purchase will be needed.

PROVIDE ANY DESIGNS, RENDERINGS OR BLUEPRINTS THAT ARE CURRENT AVAILABLE.

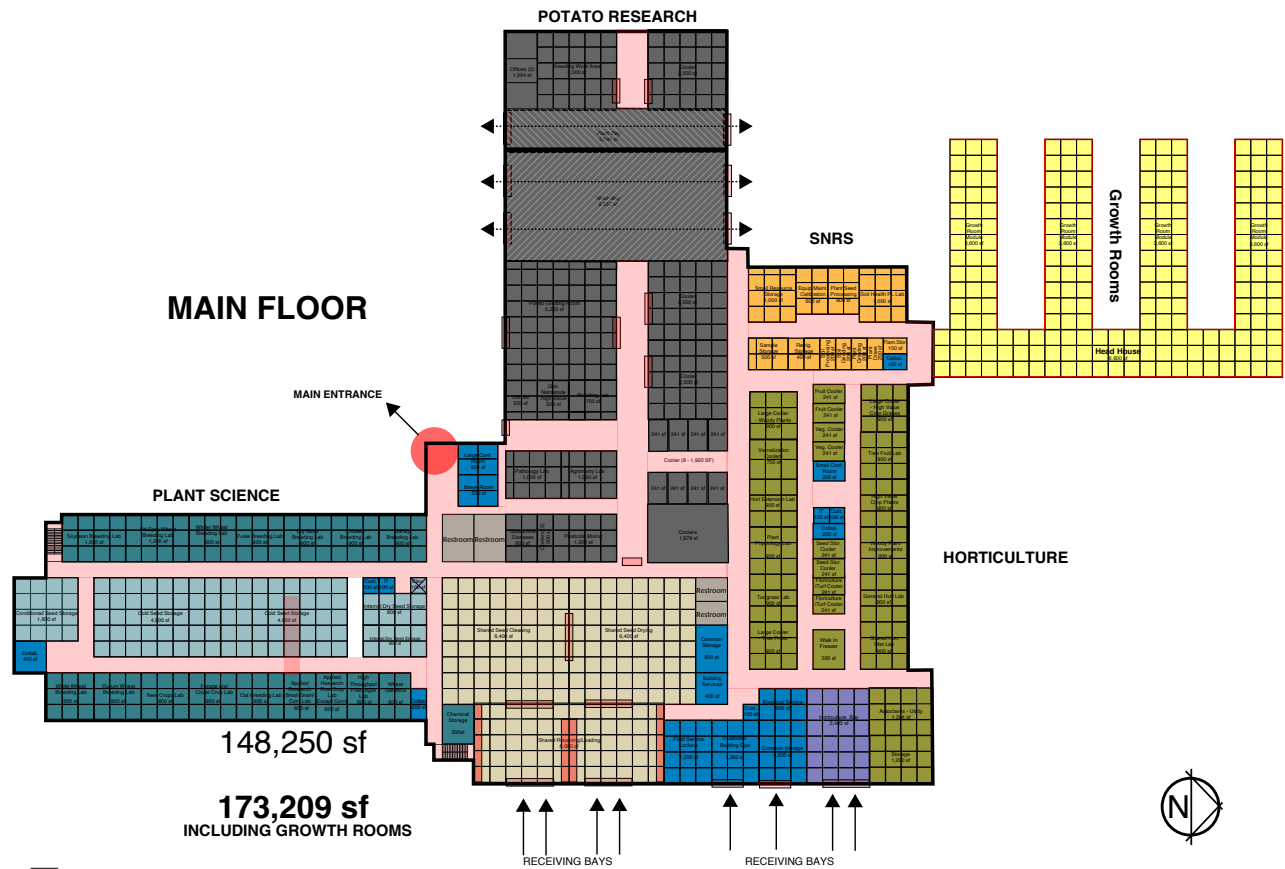
Attached is the program for the building.

WILL ANY FUNDS BE RAISED FOR THE PROJECT OR HAVE FUNDS BEEN ALREADY RAISED (IS SO, PLEASE SHARE HOW MUCH)?

The role of the State Board of Agricultural Research and Education is to develop a biennial budget request based on its prioritized needs list and submit that request to the President of NDSU and the SBHE, and forward its prioritized needs list and request without modification to the Office of Management and Budget and the appropriations committees of the legislative assembly. The building is currently included in the House version of HB1020 as fully funded (no match). It has been the number one capital improvement request in the 2019 and 2021 sessions. The request in each of those sessions was for full funding.

HAS THIS BUILDING ALREADY BEEN FUNDED BY THE LEGISLATURE AND IF SO, PLEASE DESCRIBE THE USE OF THE NEW FUNDING?

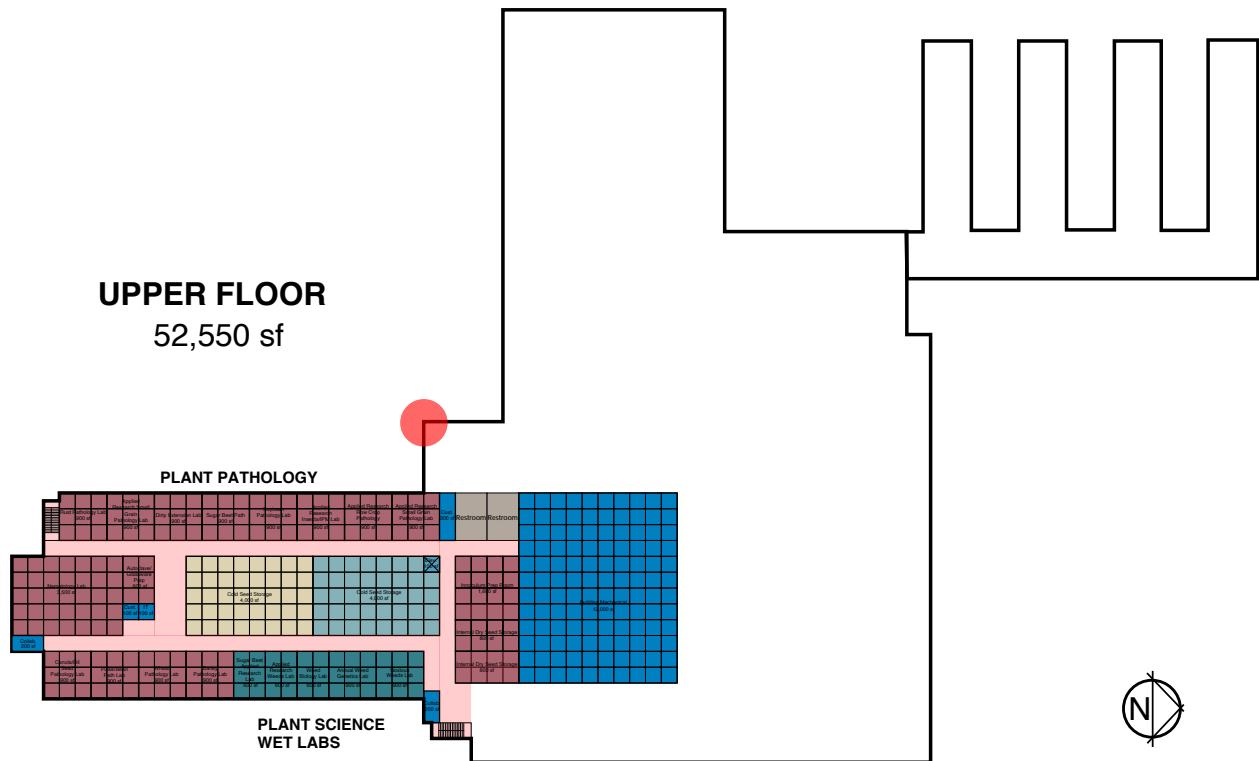
No, this building has not been funded by the legislature.



ZBL ZERRBERG Schematic Concept Plan - Main Floor

North Dakota State University - Agricultural Field Lab

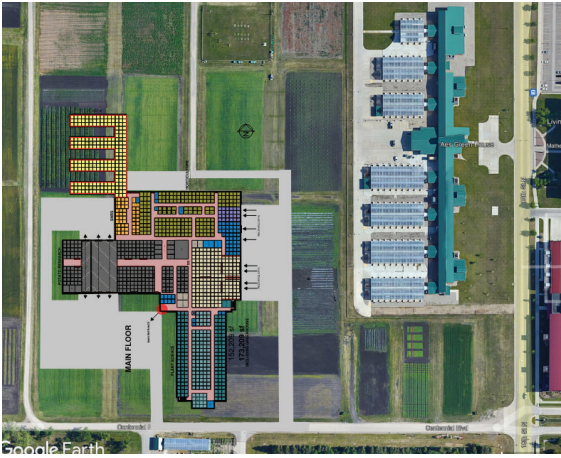
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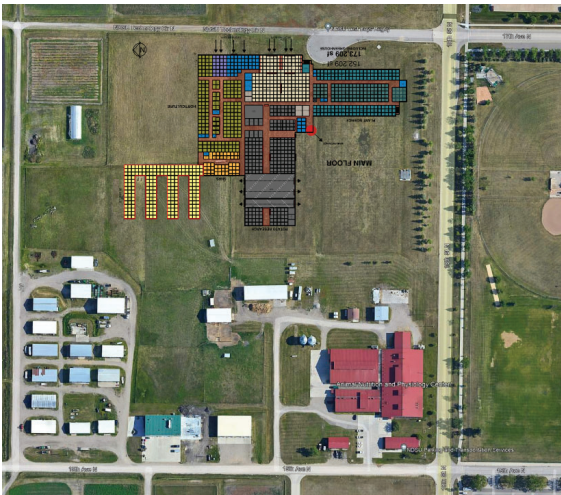
Schematic Concept Plan - Upper Floor

North Dakota State University - Agricultural Field Lab

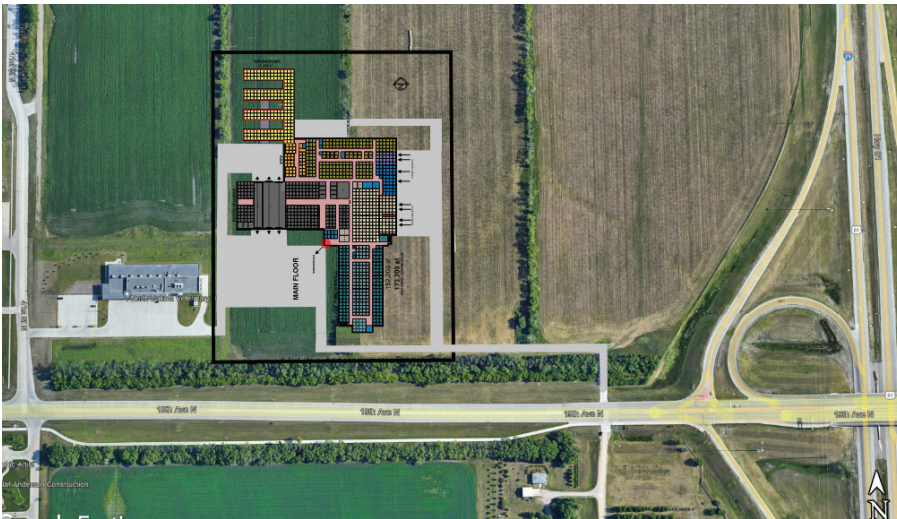
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Site Option A



Site Option B - Note: Growth Rooms should be rotated 90 deg on this option.



Site Option C