

## Plan Review Summary

### Building Information

Project Name:	NEETRAC-Lukas Graber Lab Fit up	Floor/Room #:	First Floor
Building #:	777	Department:	NEETRAC
Occupancy Type:	Business	Budget:	\$45,000
Construction Type:	IIB	Type of Review:	Construction

### Project Management

Project Manager:	Kynthia Gaines
Architect/Engineer of Record:	Stuart Thiel, Plexus R + D Architecture
Construction Manager:	Kythnia Gaines
Aim Project Number:	0219-2019

### Reviewer Information

Reviewer Name:	Jake LeJeune	Date Received:	8/14/2019
Disposition:	Declined	Date Completed:	8/27/2019

### Status Statement

Note: New Lab

### Review Comments:

1. Please provide the lab unit fire hazard classification in accordance with the 2011 edition of NFPA 45.
2. Please provide the manufacturer specifications of all equipment associated with this lab.
3. Please provide an approved method of fire stopping detail for any through penetrations in the 2-hour fire wall.
4. Please provide the total amount in cubic feet of all gases being used in this lab including cylinders and house gas if applicable. Also, please acknowledge and provide if applicable an emergency stop button for any gas that supplies 2 or more outlets. When pushed, all gases are required to be shut off in accordance with Georgia amendments to the 2011 edition of NFPA 45.
5. Please provide the manufacturer specifications of the flammable and combustible liquids cabinet and indicate what chemicals will be stored in the cabinet.
6. It appears that some gas cylinders are being stored in the lab. Please acknowledge that gas cylinders not in use cannot be stored in labs in accordance with the 2011 edition of NFPA 45 11.1.6.4.
7. Please provide mechanical plans and show that the lab will have a negative pressure in relation to corridors and non-laboratory work areas in accordance with the 2011 edition of NFPA 45 8.3.3. Also, please show all mechanical work including any exhaust and ventilation required for chemical fume hoods and flammable liquids cabinets.
8. Please indicate the quick response fire sprinkler heads are installed in the lab in accordance with the 2011 edition of NFPA 45 6.2.1.2.
9. Please provide electrical plans showing emergency lighting in the lab. Provide a power plan.
10. Please provide plumbing plans showing eyewash and safety shower installation and details.

### General Note:

1. Inspection requests: <http://www.ehs.gatech.edu/fire/inspection-request>
2. Hot Work Permit Request: [http://www.ehs.gatech.edu/fire/permit-request/hot\\_work](http://www.ehs.gatech.edu/fire/permit-request/hot_work)

### Additional Requirements (as needed):

1. Fire Emergency Response Plans
2. Red Book Completion and Fixed Location Designation

**Plan / Shop Drawings Required:**

1. Fire Suppression
2. Fire Alarm

**Inspections Required:**

1. Fire Safety Office Project Kick-Off Meeting
2. 50% Wall (Rated walls, doors, dampers, horizontal penetrations, etc.)
3. 80% Ceiling, Alarm, Sprinkler (vertical penetrations, junction boxes, lights tied at corners, sprinkler and fire alarm roughed in, etc.)
4. 100% Construction, Alarm Commissioning, Sprinkler Commissioning, Certificate of Occupancy (all work complete, commissioning of systems, close-out documents, etc.)

**Permits Required:**

1. Construction / Interior Renovation
2. Fire Suppression System
3. Fire Alarm

