

Plan Review Summary

Building Information

Project Name:	MARC/GTMI Sourabh Saha Lab	Floor/Room #:	Third Floor/320
Building #:	126	Department:	College of Engineering
Occupancy Type:	Business	Budget:	\$200,000
Construction Type:	IIB	Type of Review:	Construction

Project Management

Project Manager:	Bill Oswell
Architect/Engineer of Record:	Kyle Epstein
Construction Manager:	Jennifer Disotell
Aim Project Number:	0534-2019

Reviewer Information

Reviewer Name:	Jake LeJeune	Date Received:	8/21/2019
Disposition:	Declined	Date Completed:	9/10/2019

Status Statement

Note: New lab in existing space

Review Comments:

1. Please indicate that the laser curtain will be fire resistant and flame retardant in accordance with the 2012 editions of NFPA 101 and IFC.
2. Please acknowledge and indicate that the fire sprinklers will be quick response in accordance with the 2011 edition of NFPA 45, 6.2 and that a separate permit shall be obtained.
3. Please provide portable fire extinguishers in accordance with the 2011 edition of NFPA 45, 6.4.
4. Please classify this class D lab as a business occupancy in accordance with the 2011 edition of NFPA 45, 5.3.3.
5. Please provide the manufacturer specifications of the exhaust fans to show that section 8.7 of the 2011 edition of NFPA 45, is in compliance.
6. Please provide the chemical fume hood specifications to show that section 8.10 of the 2011 edition of NFPA 45, is in compliance.
7. Please indicate that inspections, testing, and maintenance of the chemical fume hood and exhaust systems will be in compliance with the 2011 edition of NFPA 45, 8.13.
8. Please provide the adjacent lab's Unit Hazard Classification to show that separation is not required, or required per the 2011 edition of NFPA 45, table 5.1.1.
9. Please provide the SDS sheets of all the gases to show compliance with the 2011 edition of NFPA 45, 11.1.4.3.
10. Sheet M-1: return airflow CFM- are we recirculating air to/from this lab? Not 100% exhaust? (EHS comment)
11. Please denote where granular Zinc will be stored and where work with it will safely take place.

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

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. Thrust Block Inspections
3. Underground Pressure Test
4. System Flush
5. Sprinkler Pipe Inspections
6. Rough-in
7. 50% Wall (Rated walls, doors, dampers, horizontal penetrations, etc.)
8. 80% Ceiling, Alarm, Sprinkler (vertical penetrations, junction boxes, lights tied at corners, sprinkler and fire alarm roughed in, etc.)
9. 100% Construction, Alarm Commissioning, Sprinkler Commissioning, Certificate of Occupancy (all work complete, commissioning of systems, close-out documents, etc.)

Permits Required:

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

