

Plan Review Summary

Building Information

Project Name:	Correa-Baena Lab-Petit	Floor/Room #:	2nd Floor, Room 258, 245
Building #:	95	Department:	College of Engineering
Occupancy Type:	Business	Budget:	\$750,000
Construction Type:	IIB	Type of Review:	Construction

Project Management

Project Manager:	Ngugi Mathu
Architect/Engineer of Record:	DLS
Construction Manager:	Mitchell Shelton
Aim Project Number:	0049-2019

Reviewer Information

Reviewer Name:	Jake LeJeune	Date Received:	3/15/2019
Disposition:	Declined	Date Completed:	3/21/2019

Status Statement

Note: Lab Renovation: 245 & 258

Review Comments:

1. Please show compliance with the 2011 edition of NFPA 45, 5.3.3, and classify the occupancy as a business occupancy.
2. Please acknowledge or provide quick response fire sprinklers for the labs in accordance with the 2011 edition of NFPA 45, 6.2.1.2. Also, verify that the fire sprinkler system is designed to at least Ordinary Hazard Group I in accordance with the 2011 edition of NFPA 45, 6.2.1 (2).
3. Please show compliance with the 2011 edition of NFPA 45 table 10.1.2. It appears that there are a lot of chemicals exceeding the minimum 4L glass container size.
4. Please provide the volume of all liquids and the not the weight as given in the chemical inventory list.
5. Please provide more information on the storage of the chemicals trimethylaluminum and Bis (Cyclopentadienyl) Magnesium (II). The SDS indicates it should be stored under an inert gas like Nitrogen. Provide details on the storage and handling and use.

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

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. Fire Suppression System
2. Fire Alarm

Permits Issued:

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