

Plan Review Summary

Building Information

Project Name:	Dalney Building	Floor/Room #:	Site
Building #:	204	Department:	GTRC/Parking & Transportation
Occupancy Type:	Business	Budget:	39M
Construction Type:	IIB	Type of Review:	Construction

Project Management

Project Manager:	Brad Morris
Architect/Engineer of Record:	Scott Southerland, Collins Cooper Carusi
Construction Manager:	Fredrik Nilsson, New South Construction
Aim Project Number:	54500

Reviewer Information

Reviewer Name:	Jake LeJeune	Date Received:	4/20/2018
Disposition:	Consultation Provided - Submittal Required	Date Completed:	4/30/2018

Status Statement

Note: Construction of 4 story building with business, assembly, and industrial occupancies; Construction of 6 story open parking structure.

Review Comments:

1. Please classify the hazard of contents as ordinary hazard in accordance with the 2012 edition of NFPA 101 38.1.5 and 42.1.5; please provide fire extinguishers throughout the parking garage and provide Unit of A calculations in accordance with the 2012 edition of the IFC section 906; please provide more fire extinguisher coverage on sheet A-011.
2. It appears that a 60 minute fire door is located at the Blackwater Treatment room that should be a 90 minute door for a 2-hour rated wall, and the 2nd floor stair 2 is showing a 60 minute door that should be 90 minute. Please review and make changes if necessary.
3. Provide manufacturer specifications on the overhead coiling fire doors; provide manufacturer specifications on the fire barrier glazing window assembly being installed on the stair enclosure walls.
4. Please show compliance with the 2012 edition of NFPA 101 42.8.2.6.2 (2) and show the travel distance in the parking garage on each floor through the stairs to the ground floor exits.
5. Sheet A-611: provide the door hardware types in accordance with the 2012 edition of NFPA 101; also in the LV pages there appears to be a "request to exit" on multiple exit doors. Please show compliance with the 2012 edition of NFPA 101 7.2.1.6.2 Access-Controlled Egress Door Assemblies.
6. Please provide emergency lighting and exit signs in the parking garage on the electrical lighting plans in accordance with the 2012 edition of NFPA 101 42.8.2.9; please provide emergency lighting in the business occupancy on each level on the electrical lighting plan in accordance with the 2012 edition of NFPA 101 38.2.9.
7. FA-00: please revise the duct detector signal to supervisory in accordance with the 2012 edition 101 9.6.3.2.2.
8. Please review the occupant loads for the business work areas. It appears that the maximum occupant loads are in excess of the 100 square feet/person in accordance with the 2012 edition of NFPA 101 table 7.3.1.2.
9. As previously discussed with the fire marshal, provide pricing for an automatic fire sprinkler system installed throughout the parking garage.
10. It appears there will be natural gas supplied. Please provide a gas isometric including type of pipe, size of pipe, length/dimensions, gas pressures and pressure drop, total btu's.
11. Please provide the manufacturer specifications on the pre-engineered FM-200 system for the IT rooms for review of the design.
12. It appears that the standpipes in the parking garage are over the required travel distance of 150 feet in accordance with 2013 edition of NFPA 14. Additional standpipes may be needed to meet this requirement in the parking garage.
13. Please show compliance with the 2012 edition of IFC 605.11 Solar photovoltaic power systems.

14. Please include stairway identification in the stair details in accordance with the 2012 edition of NFPA 101 7.2.2.5.4.
15. Please provide Fire Flow calculations in accordance with the 2012 edition of IFC Appendix B; provide location of required fire hydrants.

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

Permits Issued:

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