Georgia Tech Environmental Health & Safety
Fire Safety

955 Fowler Street NW, Room 301B
Atlanta, Georgia 30318
404-894-FIRE (3473)

Plan Review Summary

Building Information

Project Name:	Living Building @GA Tech	Floor/Room #:	
Building #:	210	Department:	Facilities
Occupancy Type:	Assembly	Budget:	$18,600,000.00
Construction Type:	IIIB	Type of Review:	Construction

Project Management

Project Manager:	John DuConge
Architect/Engineer of Record:	Lord Aeck Sargent, Inc.
Construction Manager:	Skanska
Aim Project Number:	0418-2017

Reviewer Information

Reviewer Name:	Larry Labbe	Date Received:	12/21/2017
Disposition:	Approved w/ Additional Requirements	Date Completed:	1/30/2018

Status Statement

Note: This is The Living Building Project at Georgia Tech. The Kendeda Building for Innovative Sustainable Design. 33,743 SF 3 level building, Basement, Level 1, and Level 2. This is new construction being permitted with GTFSO only.

Review Comments:

1. Sheet C300, Transformer may be compliant with separation requirements as amended by the State of Georgia, IFC Section. Please confirm the canopy is not within 10' as prohibited by IFC 605.11 (4). Also confirm all window openings are 10' or more from edge of pad.
2. Sheet C500, Water Flow Results,
    a. Please provide a 24 hour duration chart from the test hydrant.
    b. Show on plan, the residual hydrants and elevations for all test points.
    c. Graph results down to GPM at 20 PSI (Hazen-Williams Chart)
3. Sheet A412, All fans will need to be integrated with the fire alarm system and smoke control system, to turn off when either sequence requires.
4. Sheet A672 and Generally, All exterior walls are non-combustible, Fire-retardant-treated wood framing complying with IBC section 2303.2 shall be permitted.
5. Sheet A683, please provide cut sheets on interior finishes, contents and furnishings, the custom upholstered seat cushions and the 6" thick natural latex foam. Has these contents been factored into the smoke control system design?
6. Sheet A701, Room 110, please provide information on the use of the room, an equipment schedule, and details on equipment.
7. Sheet A701, Room 180, please provide the intended use of the room and chemical inventory. Include SDS/MSDS forms. Use the GTFSO Excel form for chemical inventory reporting.
8. Sheet A702, Rooms 298, 288, 280, please provide information on the use and equipment for the "ClassLab" designation.
9. Sheet A902, Elevator Submittal is required to go to both GTFSO and SFMO.
10. Sheet A911, Emergency Plan will need to be approved prior to installation. Contact GTFSO for details.
11. Sheet M601, Duct detector sequence for fire alarm should be a supervisory signal and should only shut down the AHU connected to the detector.
12. Sheet FP001, Add trim to the main riser and control valves with gauges. Trim should include a valve and a fitting for a calibrated test gauge to be attached during ITM's. (calibrated test gauge not intended to be included)
13. Sheet FP001, Control valves must be installed so that the control valve is roughly at 5'6" AFF.
14. Sheet FP102, Add sprinkler at the top of the hoistway any additional sensors as required by NFPA 13 and 70; electrical shunt.

15. Sheets E200, E201, and E202, Emergency Egress lighting looks to be minimal which may cause foot candle readings to be under the required 1 ft. candle in exit access. Please review and add as needed. To be field verified during the 100% inspection.
16. Sheet 302 and 303, what is the roof lighting plan for egress and safety?
17. Sheet E304 and E401, Photo-Voltaic (PV) System is required to be reviewed and permitted prior to installation. See NEC Article 690, IFC 606.11, IBC 605.11.1 – 605.11.4, and NFPA 70 (NEC)
18. Commissioning Smoke Control System and all the other life safety systems should utilize a integrated commissioning plan.

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
3. Elevator
4. Photovoltaic

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: 207-DP-303
2. Construction / Interior Renovation: 2017-LTP-303 (this letter)
3. Fire Suppression System
4. Fire Alarm