

# RPA S3 Aircraft Rescue and Fire Fighting



**REDAC Briefing  
February 26, 2019**



**Federal Aviation  
Administration**



# AFFF Replacement Status

FAA Reauthorization Act of 2018 enacted in October 12, 2018 stated:

Not later than **3 years after the date of enactment of this Act**, the Administrator, using the latest version of National Fire Protection Association 403, “Standard for Aircraft Rescue and Fire-Fighting Services at Airports”, and in coordination with the Administrator of the Environmental Protection Agency, aircraft manufacturers and airports, **shall not require the use of fluorinated chemicals** to meet the performance standards referenced in chapter 6 of AC No: 150/5210–6D and acceptable under 139.319(l) of title 14, Code of Federal Regulations.

# AFFF Replacement Status

- Cert Alert Issued



- Project Plan Finalized
  - Outlines direction of the research effort
    - Gap analysis
    - New agent selection
    - Live fire testing criteria

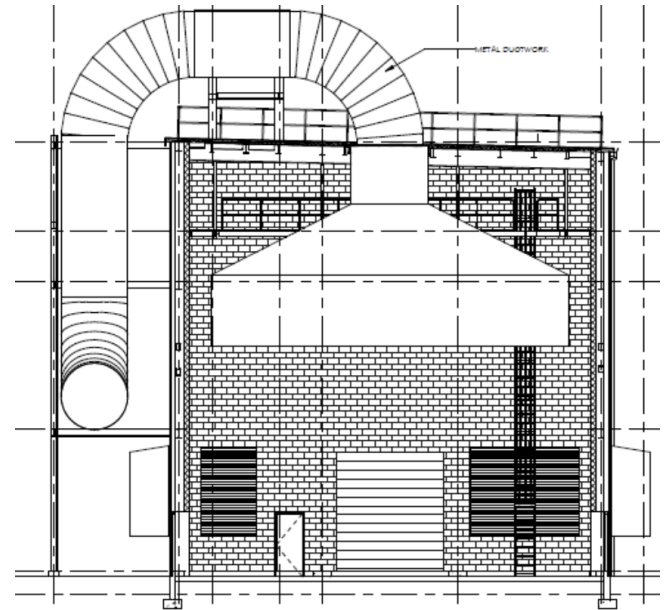
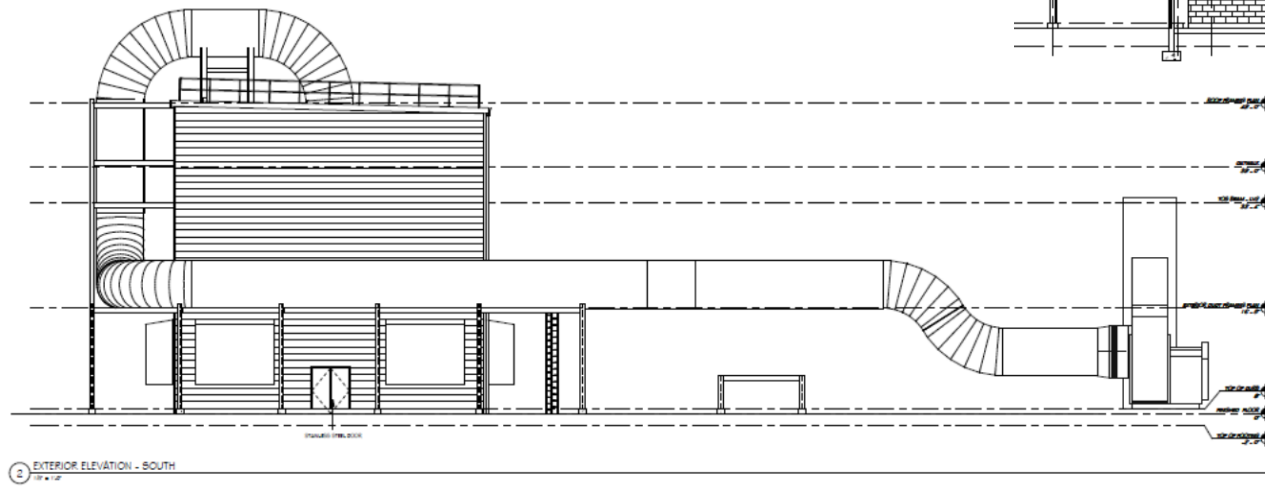
# AFFF Replacement Status

- Literature Review
  - Identify both commercially available and in-development FFFs
  - Determine the maturity of the newly developed alternative foams
  - Identify FFFs that have been adopted at airports around the world
  - Identify any airports experiencing any integration issues
- Gap Analysis
  - Health and environmental hazards associated with fluorinated AFFF use at airport
  - PFAS-related regulations from other industries

# ARFF Fire Test Building

## Live Fire Testing

- MIL-F-24385F (FAA requirement)
- ICAO Level C





# ARFF Fire Test Building

## Status Since Last REDAC

- Contract Awarded August 9, 2018.
- Notice to Proceed October 31, 2018.
- Foundation walls completed January 3, 2019.
- Structural steel scheduled to be erected March 2019.
- Ductwork to begin in June 2019
- Current construction completion estimated to be September 2019.



# Questions?

