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Report # 2722.1

## Powerplant Fire Penetration Test Results

<b>Regulation:</b>	14 CFR 25.1193(d)	<b>Criteria:</b>	Advisory Circular No. 20-135	<b>Procedure:</b>	DOT/FAA/AR-00/12, Chapter 12
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Customer Information
CellBlock Fire Containment Systems 261 Maverick St Boston, MA 02128

Sample Notes
CellBlock Fire Panel Substrate

Flame Temperature: 2000 °F ± 100 °F		Heat Flux Density: 9.3 Btu/ft <sup>2</sup> -sec or 4,500 BTU/hr minimum
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Sample	Flame Time (min:sec)	Burnthrough? (Yes/No)	Backside Ignition? (Yes/No)
1	30:00	No	No

Acceptance Criteria
The sample must withstand flame penetration and not exhibit backside ignition for the required test time. »Fire-Resistant: 5 minutes »Fire-Proof: 15 minutes

Result & Designation
<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL
<input checked="" type="checkbox"/> Fire-Resistant <input checked="" type="checkbox"/> Fire-Proof

Notes:
Test sample exposed to flame for double the required 15 minutes for the fire proof designation. Sample did not produce smoke during testing.

The results of this test report have been obtained in compliance with the listed requirements and/or specifications. Amendment levels are that of the current amendments on the date testing was performed, unless otherwise specified. Aeroblaze applies a pass/fail criteria based on the outcome of the test regardless of the measurement uncertainty, except in cases where the customer specifically requests that measurement uncertainty be applied. This test report shall not be reproduced, except in full, without written approval from Aeroblaze Laboratory Inc. The test results relate only to the items tested.

**Tested by:** Gregory Thomas      04-Feb-21  
Lab Engineer

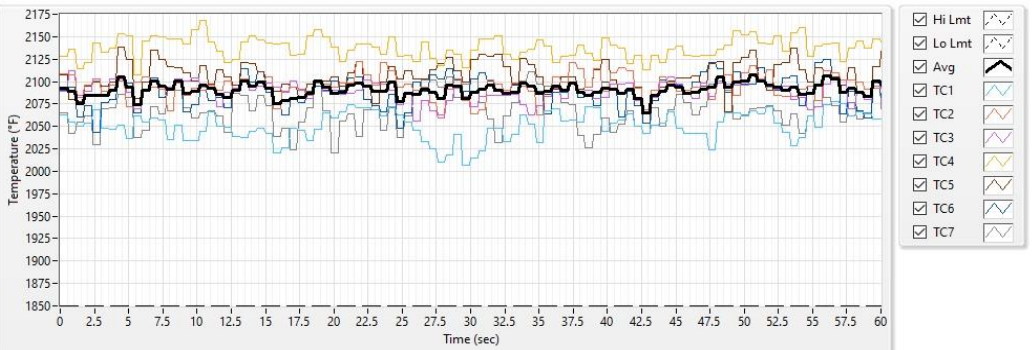
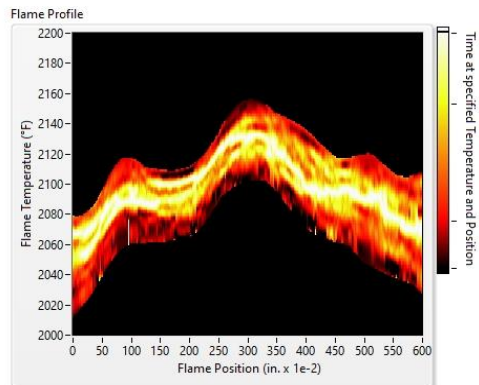
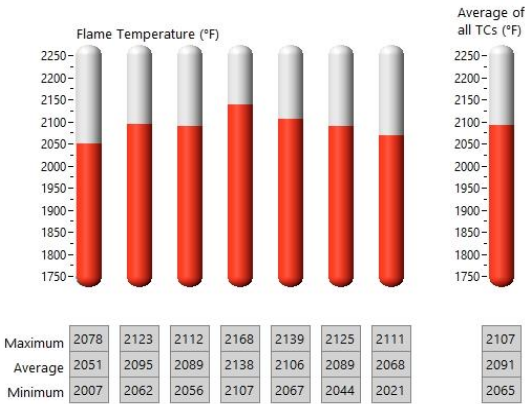
**Approval:** *Andrew Feghali*      04-Feb-21  
Andrew Feghali, Lab Manager, DER

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## FLAME CALIBRATION SUMMARY

Calibration Type: RTCA DO-160G  
 Result: Pass  
 Date / Time: 02/02/2021 14:09



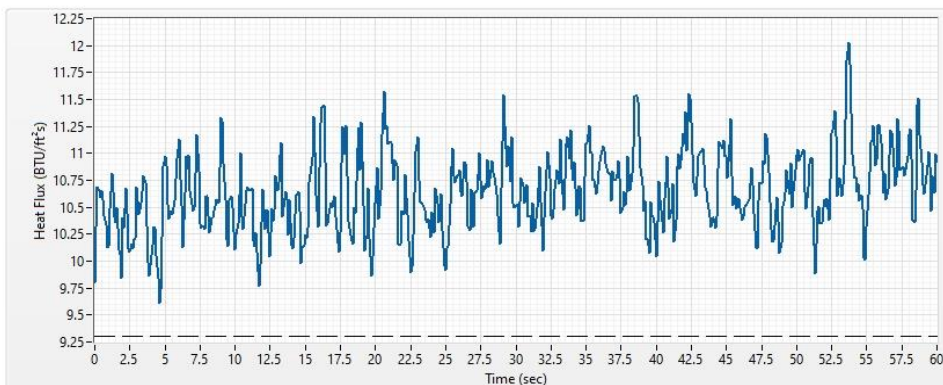
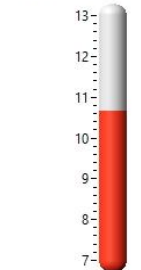
Calibration Type: SAE AS5127-2B

Result: Pass

Date / Time: 02/02/2021 14:10



Heat Flux (BTU/ft<sup>2</sup>s)



Upper Limit  Lower Limit  Heat Flux