Siderise Innovation Centre Summary of Results
Test Number SIC 368

Test Standard; Principles of TGD19 (prEN1364-6)

Furnace Control: EN1363-1 & 2 utilising the external Time Temperature Curve

Tested James & Taylor Barracuda brickslip system and carrier rails fixed to SFS in horizontal & vertical brick configuration with a void size of 380mm

Material; Siderise RH25 90/30 open state cavity barrier

On 27th November 2025 a Fire Resistance test was carried out on a 1200mm length of Siderise RH25 90/30 installed into a James & Taylor Barracuda brickslip system.

Siderise RH25 90/30 was installed as per standard installation guidance, complete with three supporting brackets and 25mm air gap to back of carrier panel.

The test utilised the principles of TGD19 (prEN1364-6), due to the bespoke build up being tested in conjunction with Siderise cavity barriers, with furnace controls temperature and pressure run to EN1363-1 & 2 utilising the external time temperature curve, the test was run for a duration of 90 minutes in totality.

Please find attached relevant data output and summary of test below.

Orientation of Brick	Summary Table	Insulation (min)	Integrity (min)
Vertical	Siderise RH25 90/30	90	90
	Stock Frogged Brick	15	90
	Extruded Brick	23	90
	Supporting Rails	4	90
Horizontal	Siderise RH25 90/30	90	90
	Stock Frogged Brick	22	90
	Extruded Brick	31	90
	Supporting Rails	90	92

Air gap closure between 60 and 90 seconds closing phase of the air gap, for both samples

Note test terminated at 90 minutes (ambient lab temperature 18°C)

This summary report is whilst following the strict controls of EN1363-1 & 2 utilising the external time temperature curve and general principles of TGD19 (prEN1364-6), this is not a UKAS test report.

For and behalf of Siderise Insulation Ltd

Director of Testing & Project Engineering

Registered Office:
Siderise Insulation Limited, Forge Industrial Estate, Nantyfyllon, Maesteg, Wales, CF34 0AH
Company Registration No. 02370350 England and Wales
VAT no. GB 594 5160 20

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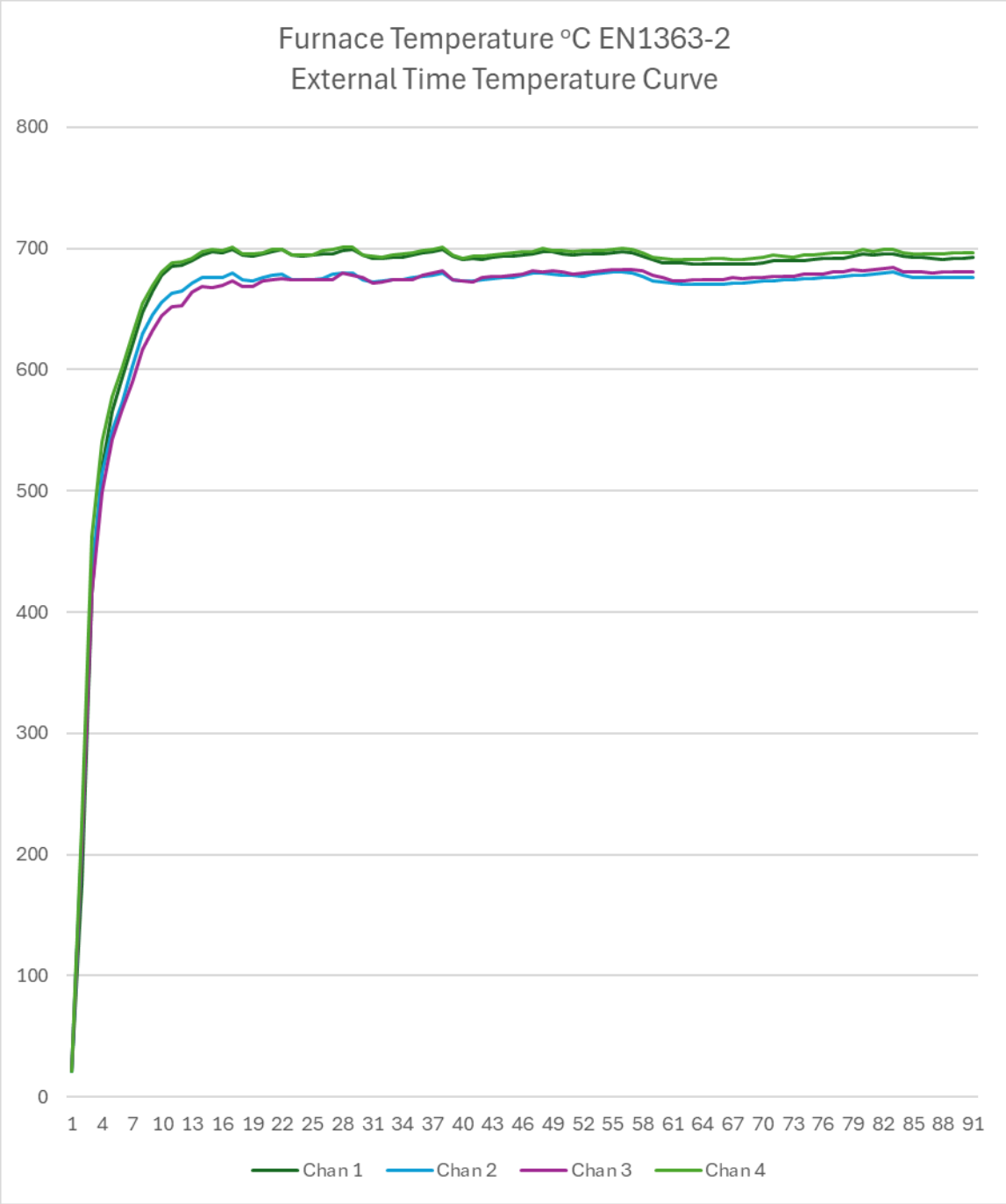

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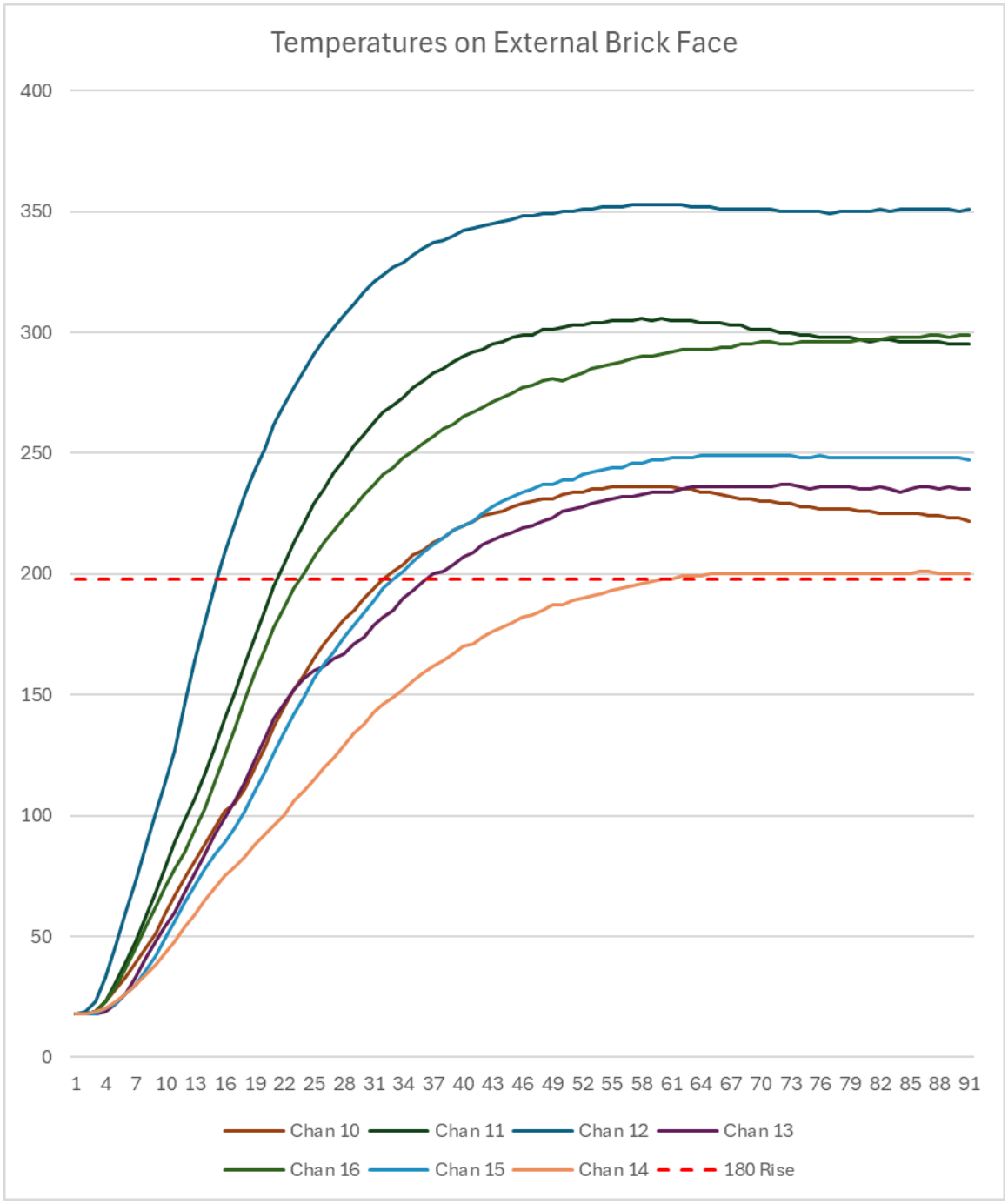

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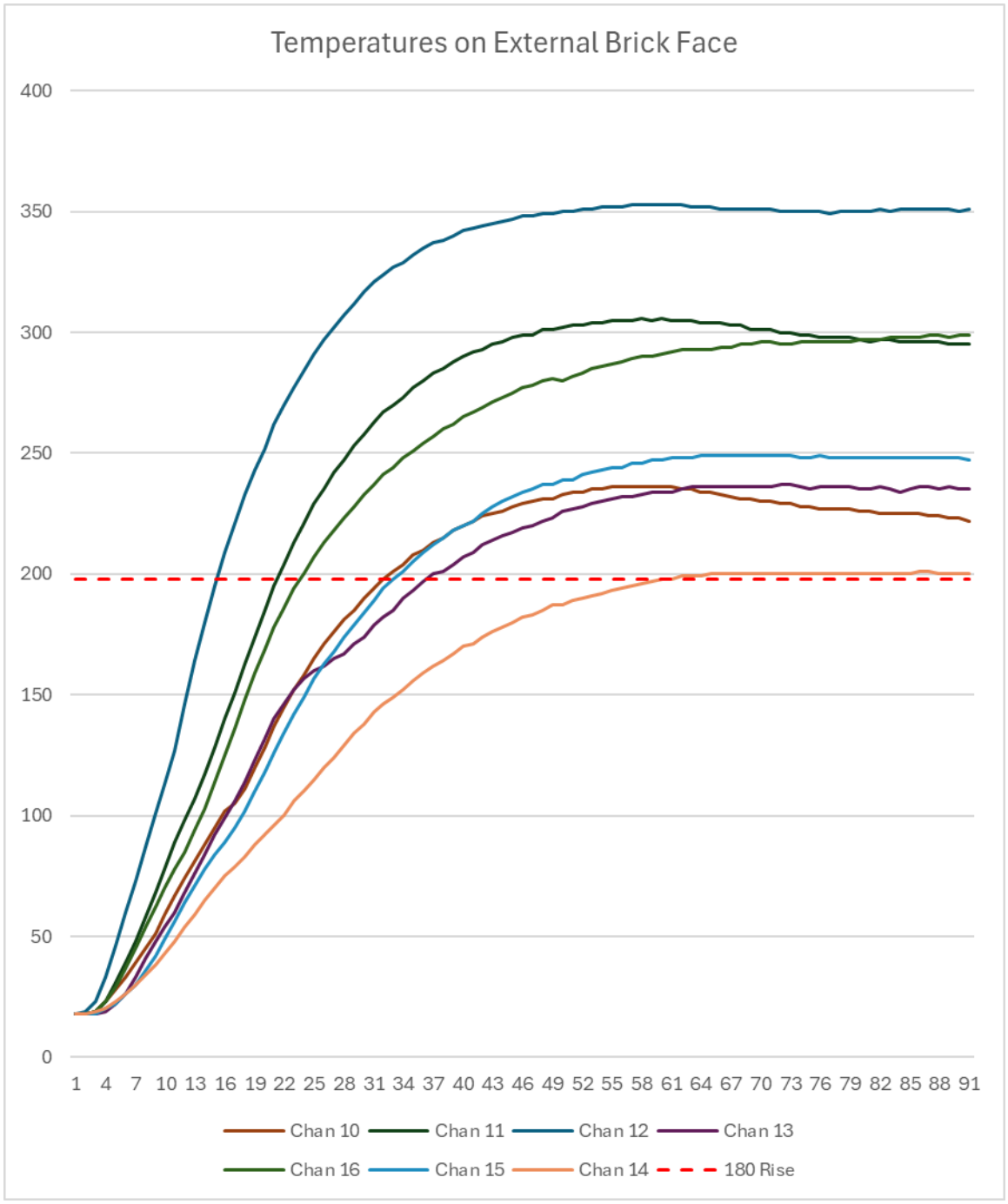

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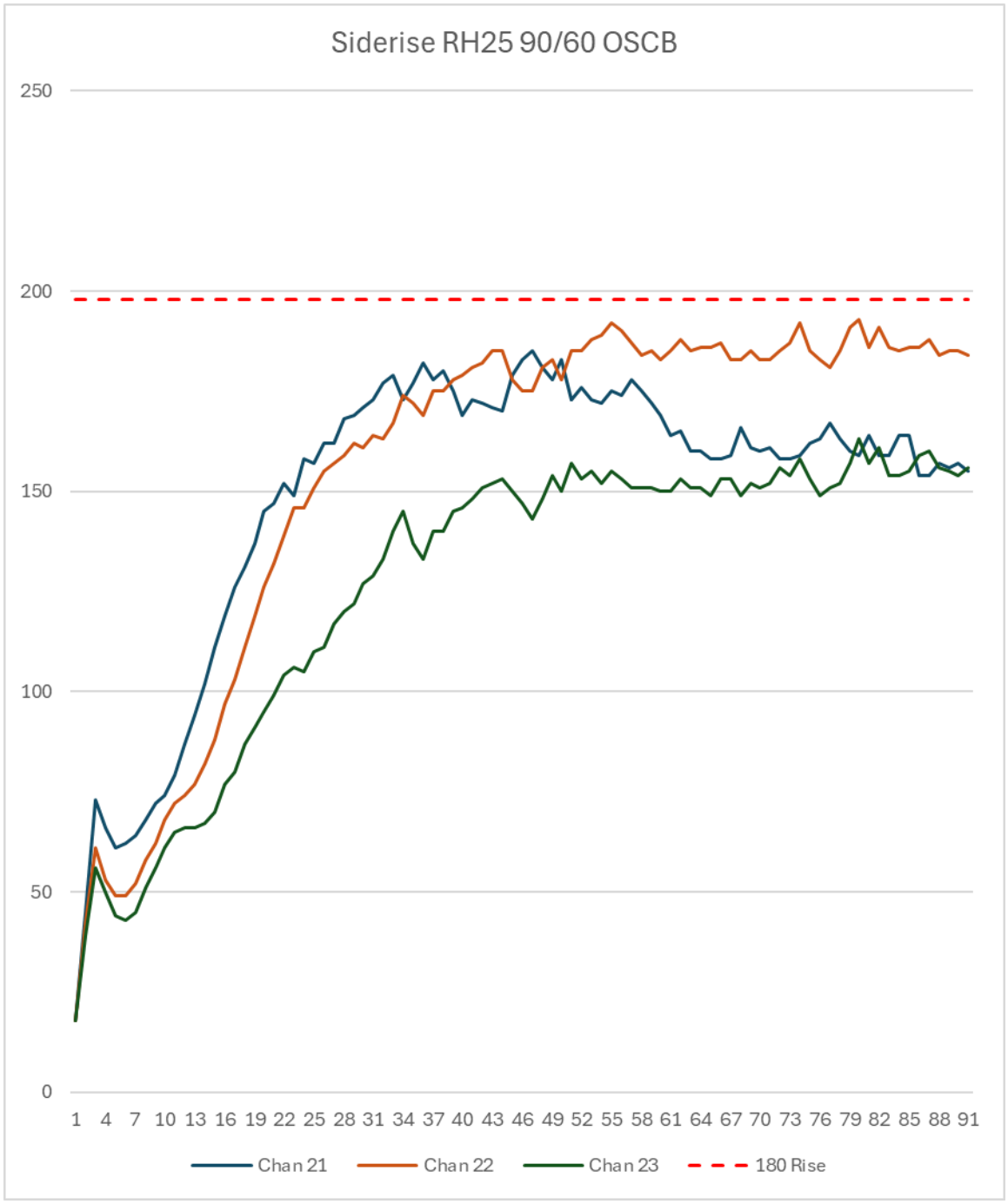

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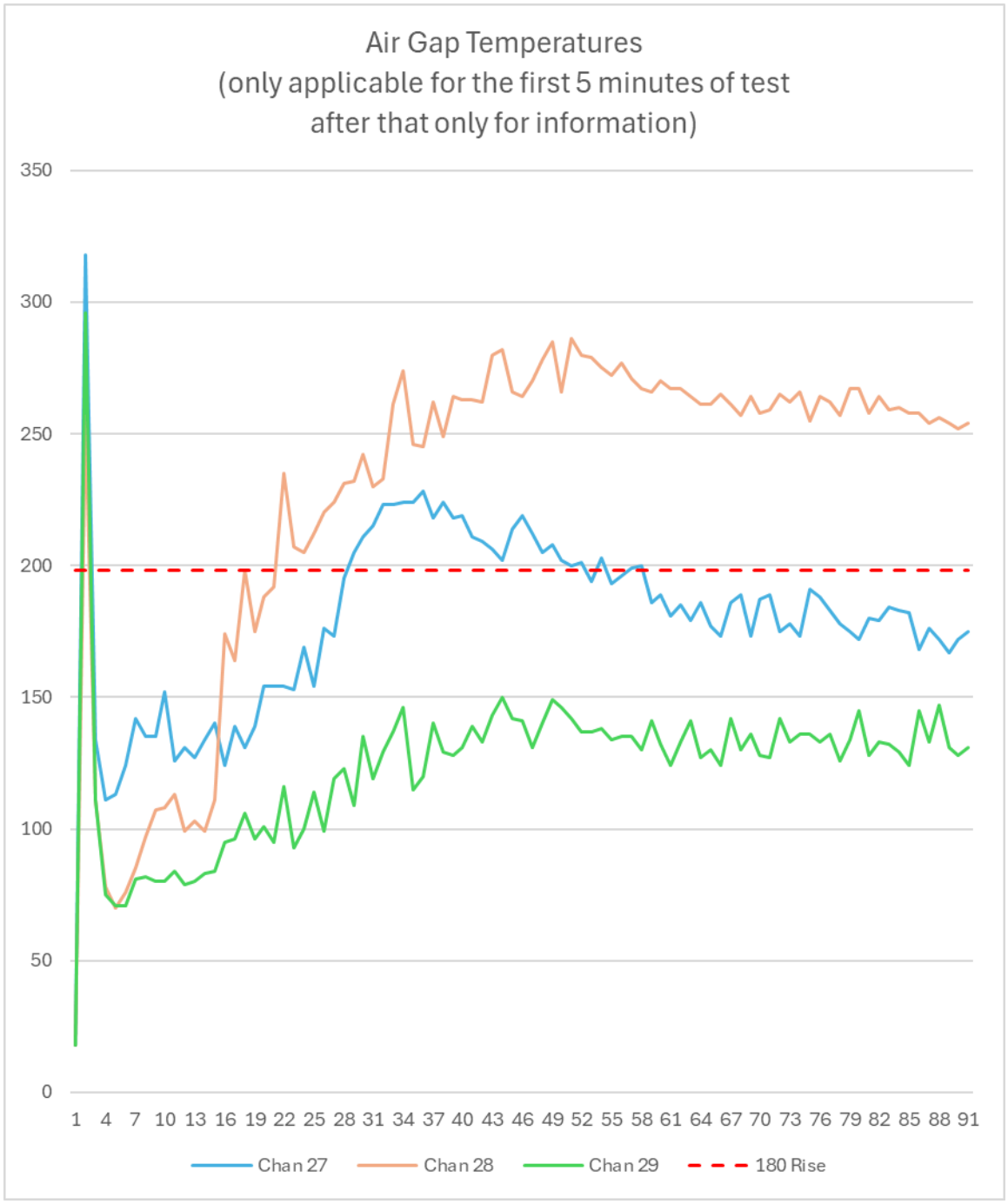

Siderise Innovation Centre Summary of Results
Test Number SIC 368

SIDERISE integrity in all we do

TEST OBSERVATIONS

Time — All observations are from the unexposed surface unless noted otherwise.
Every 10 minutes unless something is observed between this timing.

Test Number	368

mm:ss	Observation
00:00	Test Start smoke/steam
2:30	Visual seal on B
3:00	Visual seal on A
10:00	Intumescent on both specimens are starting to turn an ashy colour, mortar at bottom of bricks on specimen B has cracked
20:00	Intumescent has risen on both specimens, specimen A intumescent has engulfed mi's. Smoke/steam has also increased
30:00	Intumescent on both has risen again specimen B now inline with barrier
40:00	Slight decrease in smoke/steam
50:00	Stock bricks below barrier on both specimens are cracked
60:00	nsvc
70:00	Specimen A showing signs of delamination
80:00	Intumescent has risen above xfs on specimen B
90:00	NSVC TEST ENDED
	Post test checked TC 14, 15 & 16 as data looked skewed. Upon further inspection TC 14 and 16 had been mis attached to the front of the brick face. I have changed the label to suit the correct location in the SIC0368 excel file. C.T

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Pre Test Photographs

Siderise Innovation Centre Summary of Results
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Post Test Photographs

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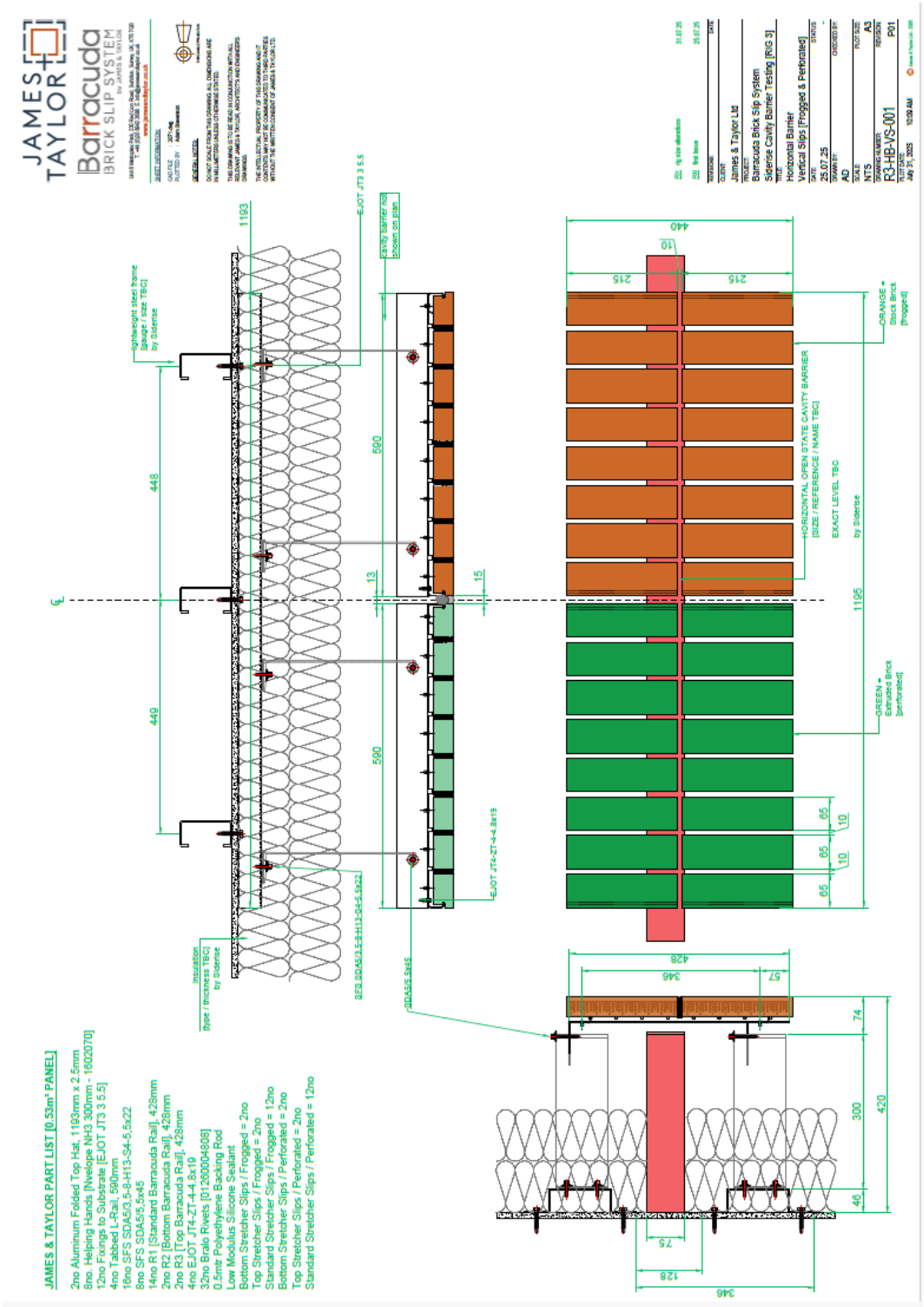
Test Drawings



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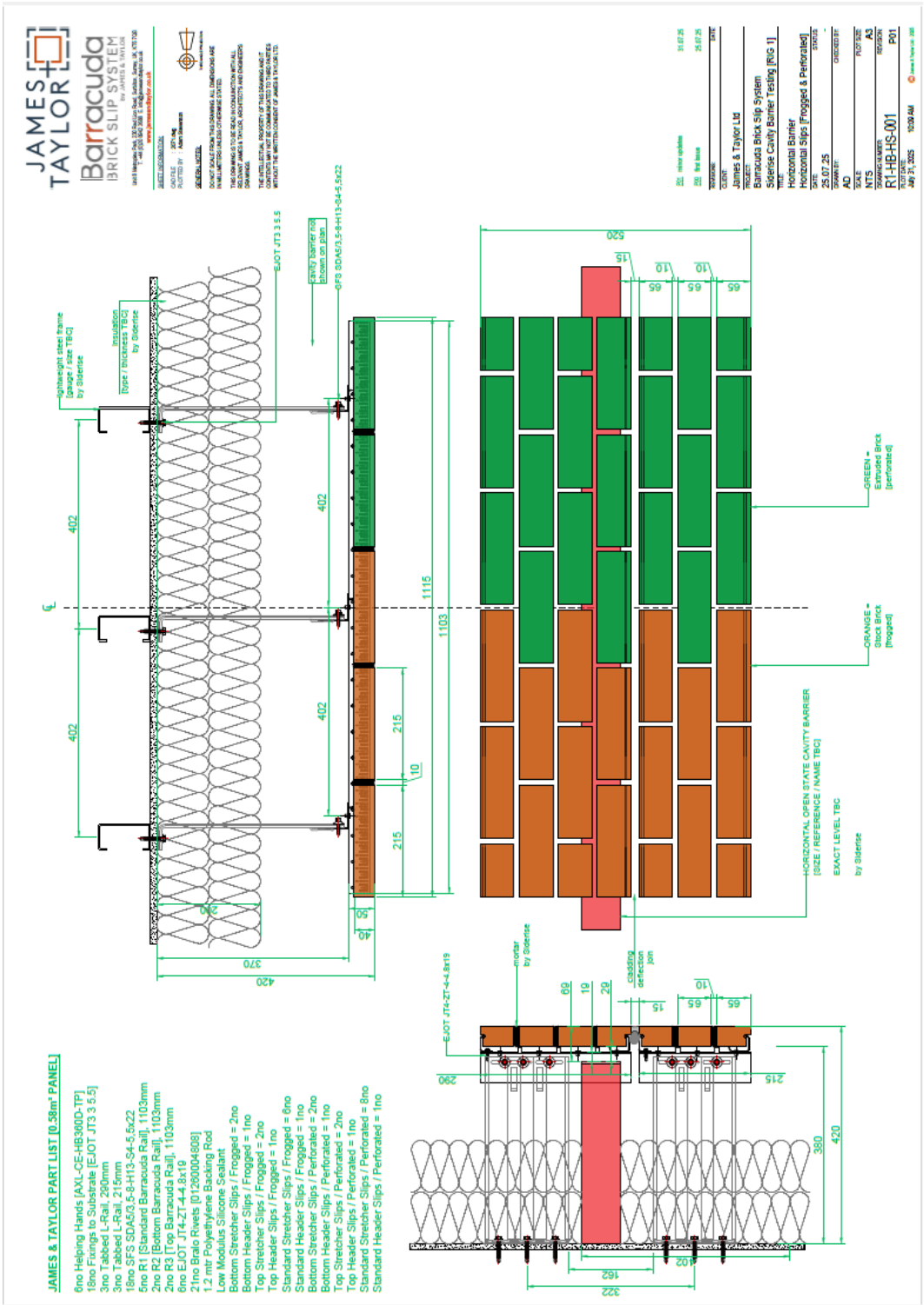

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