

Siniat
TECHNICAL DEVELOPMENT CENTRE

Test Report
20150717-0464-WTR – 2 RF board 15.9mm

TSRR 3053 : Resistance to fire of a double
layers partition – RF boards from Colombia

Sébastien Segura/Florent Stachetti

Summary of test report

This report relates to the fire resistance of a double layer partition in accordance with the requirements of standard ASTM E119.

However due to technical limitation, the thermal program applied during the test is those defined in EN 1363-1 instead of those defined in ASTM E119.

The measured performance has been corrected according to ASTM E119 §8 note 5 in order to correct the slight differences between the two thermal program.

The test sponsor was Gyplac.

The test took place on 17th of July 2015 at TDC.

The tested partition was built as described below :

- 2 layers of 15,9 mm RF boards produced in Colombia
- 80 mm metal studs @610 / Compressed 85 mm glass wool layer
- 2 layer of 15,9 mm RF boards produced in Colombia

The characteristics of the boards were the following :

- Dry weight : $11,4 \pm 0,16 \text{ kg/m}^2$
- Glass wool insulation : $12,2 \text{ kg/m}^3$

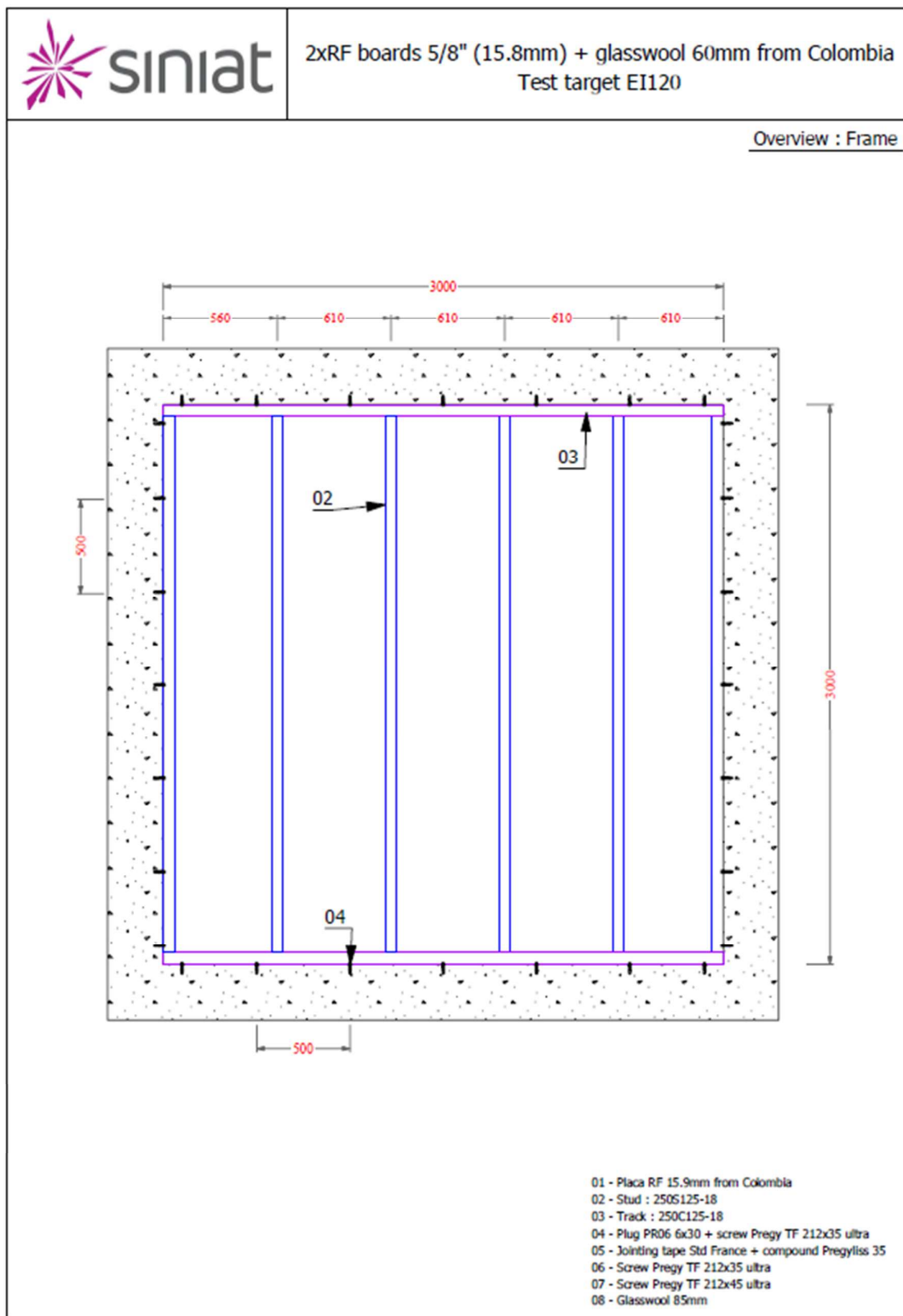
The target classification of the partition tested was 120 minutes.

The integrity has been lost at 142 minutes due to a positive cotton pad test.

Due to a temperature above 218°C measured with the mobile thermocouple the insulation has been lost at 132 minutes and at 141 minutes with the TC 17.

According the ASTM E119, the tested partition full fill the requirements to reach a 120 minutes resistance period.

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<u>FILE</u> Resistance to fire Double layer RF 5/8" (15.8mm) + glasswool 85mm from Colombia Test target EI120													
<u>DESCRIPTION</u> 2xRF boards 5/8" (15.8mm) from Colombia Glasswool 85mm Par Confort 12.2kg/m3 M80-30 R80-30													
E													
D													
C													
B													
A													
	25/06/2015	First edition		Mail : SS/CB	F.STACHETTI								
Index	Dates	Change		Diffusion	Dessiné par								
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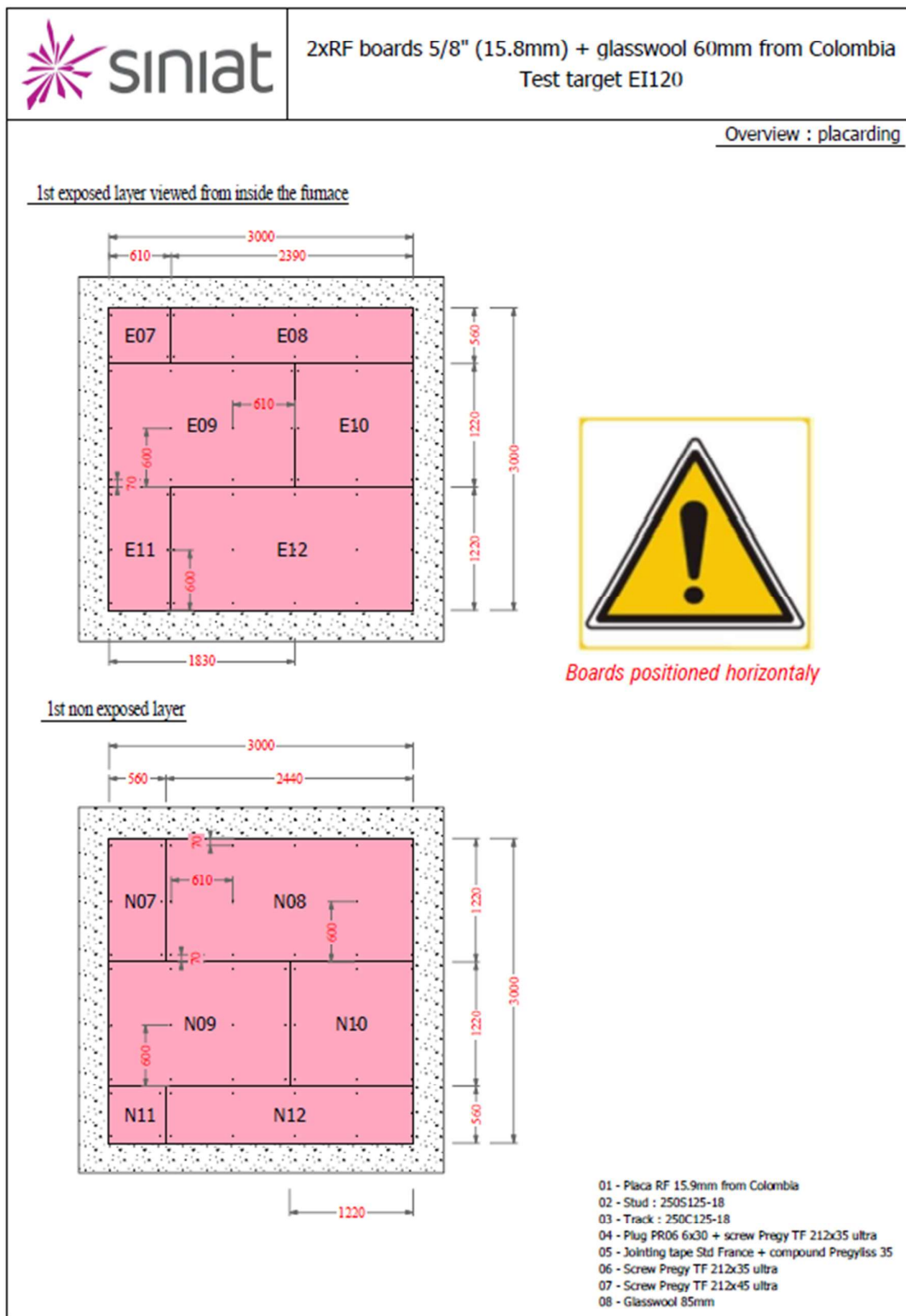
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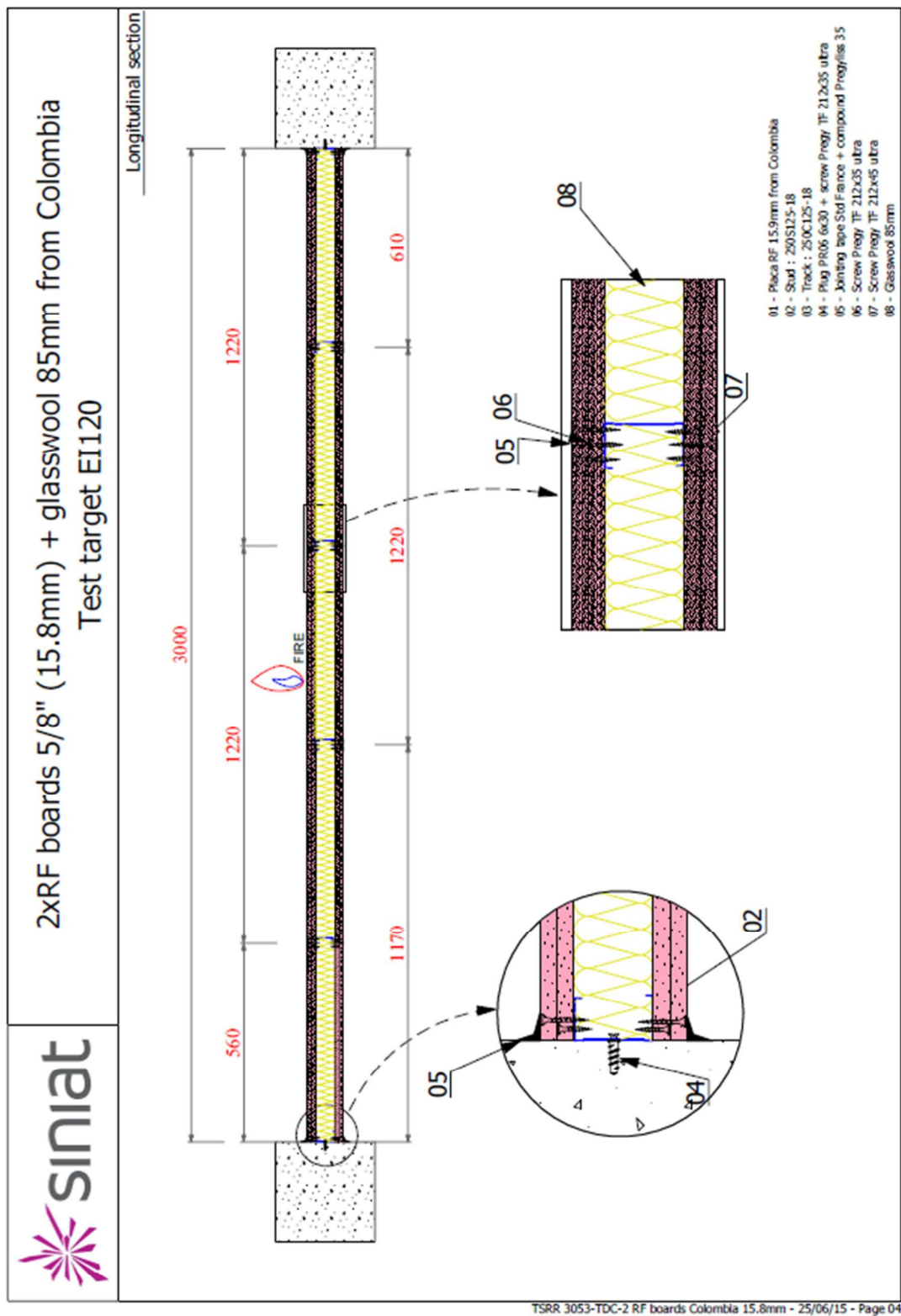
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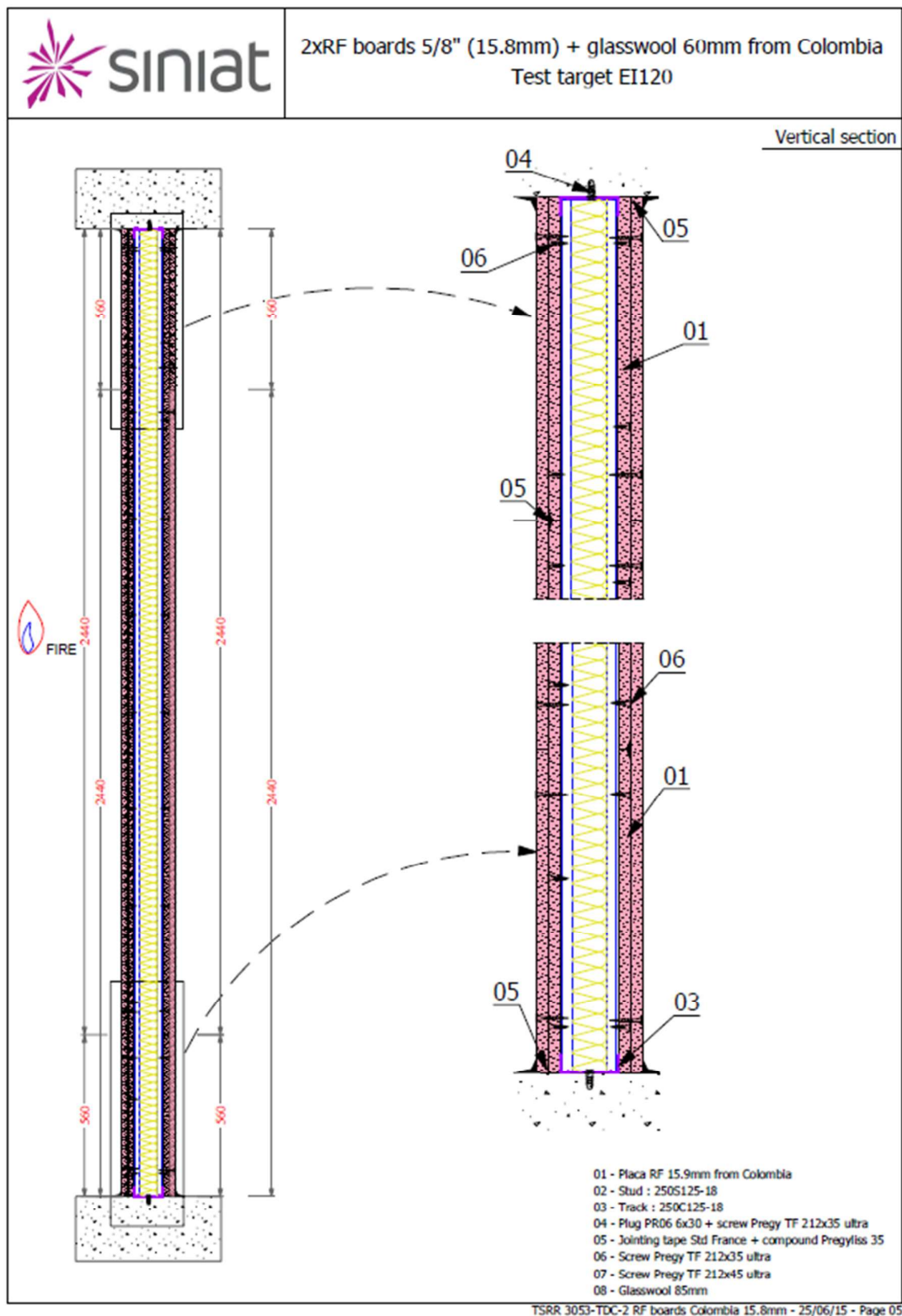
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