TEST SCHEDULE 1/1
(Reference No. – FR /0082)

1. Name of the Laboratory	: Fire Engineering CSIR-Central Building Research Institute, Roorkee-247 667
2. Name of the Sponsorer	: M/S Bajaj Steel Industries Ltd., C-108, MIDC, Hingna Industrial Estate, Nagpur-440 028
3. Name of the Test	: Fire Resistance Test
4. Date of Test	: January 27, 2023
5. Ambient Temperature	: 16 ^{o}C
6. Fire Exposure	: As per BS:476 (Part 20 & 22)-1987, IS:3614(Part-2)-2021
7. Applicability of Test Criteria	: Insulation (I) : 30 min. only : Integrity (E) : Yes : Stability (R) : Yes
8. Specimen Details	: Single Leaf Single Swing G.I. Composite Fire Door with vision panel

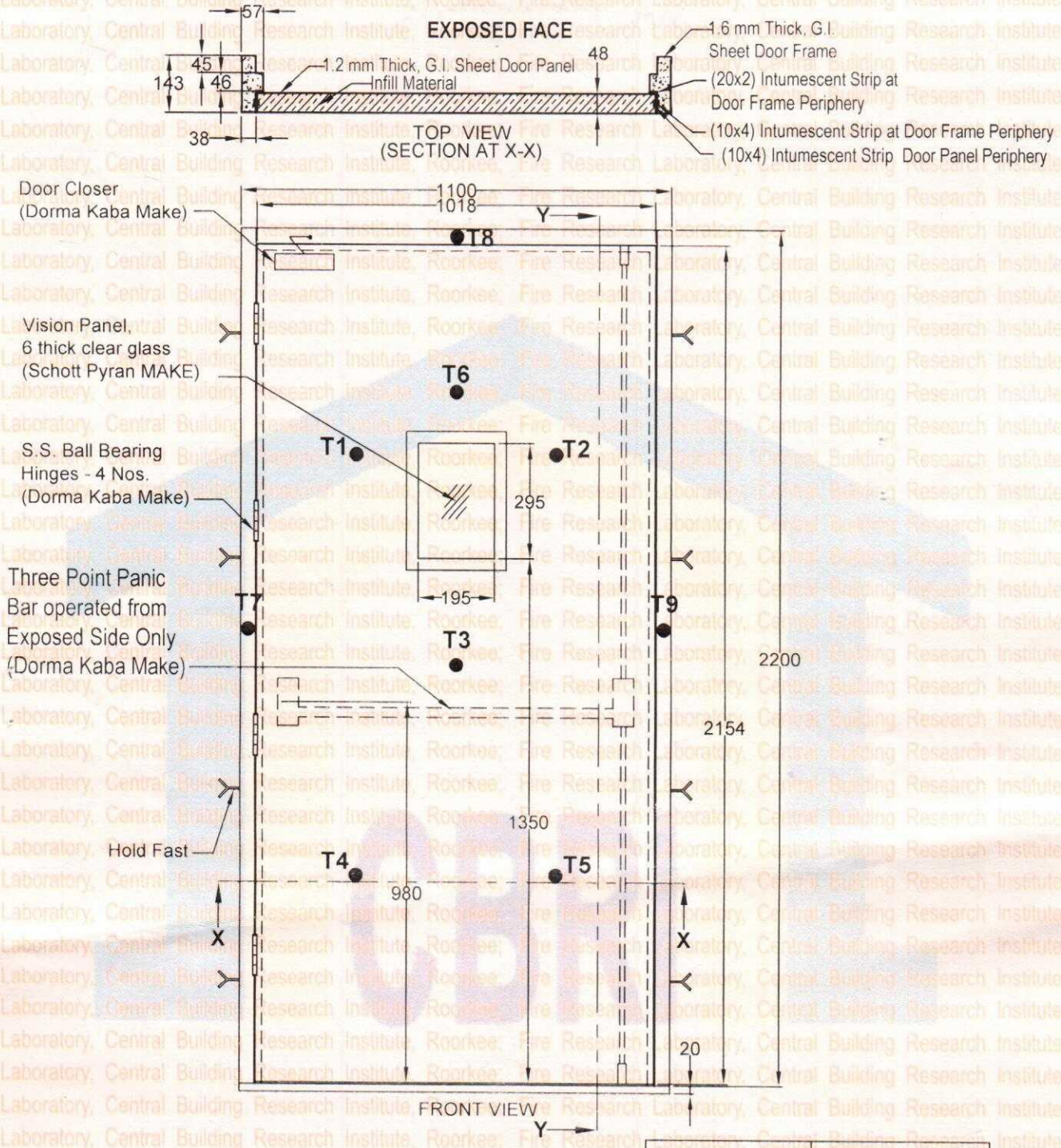
Size	Door Frame	Door Panel
Height	: 2200 mm	: 2154 mm
Width	: 1100 mm	: 1018 mm
Thickness	: 143 mm	: 48 mm

9. Specimen Construction	: As shown in Figure 1 and Figure 2 [Drg. No. 1/1 – 0082 (1) and Drg. No. 1/1-0082(2)]
10. Door Type	: Thermal Insulation-30 min., Integrity & Stability- 120 min.
11. Door Installation	: Opens outwards the furnace chamber
12. Intended Test Duration	: 120 Minutes

Test Results

The data of the evaluation reveals that the single leaf single swing G.I. composite fire door (insulated) specimen with vision panel has been found to be able to withstand standard fire for 30 min. (Thirty minutes only) with respect to **Insulation** and 120 minutes (One hundred twenty minutes only) with respect to **Integrity and Stability as per IS:3614(Part-2)-2021.**

(Prepared By)	(Checked By)	(Approved By)
(Sushil Kumar)	13/02/23 **(Dr. Banti A. Gedam)**	13/02/2023 **(Dr. Harpal Singh)**



● – POSITION OF THERMOCOUPLES
ALL DIMENSIONS ARE IN MM
SCALE - N.T.S.

DRAWING NO.	1/1-0082 (1)
PREPARED BY	
CHECKED BY	
APPROVED BY	

Fig. 1: Construction details of Single Leaf Single Swing G.I. Composite Fire Door (Insulated) with Vision Panel specimen evaluated for Fire Resistance on January 27, 2023 .

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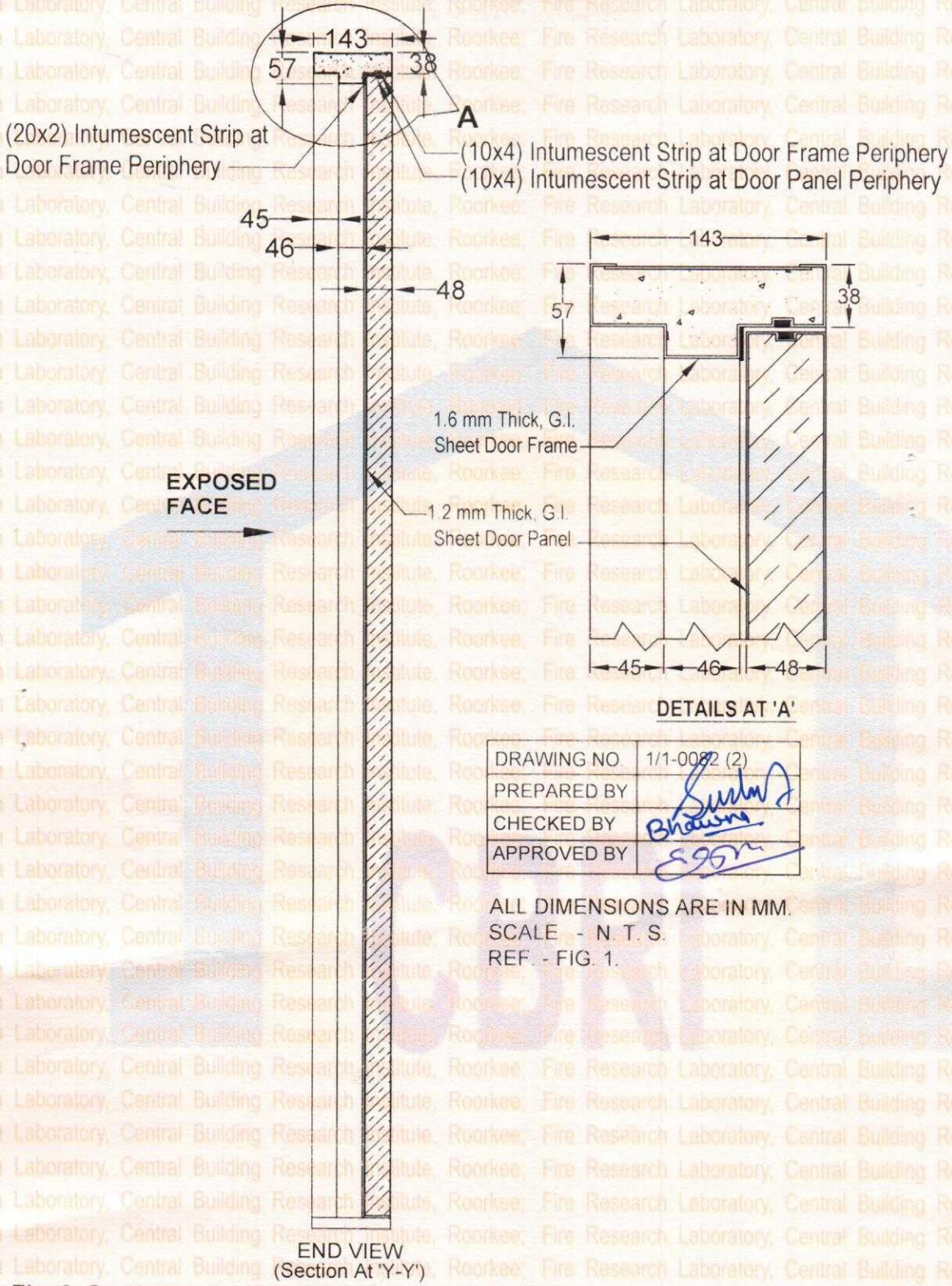

DRAWING NO.	1/1-0082 (2)
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CHECKED BY	
APPROVED BY	

ALL DIMENSIONS ARE IN MM.
SCALE - N. T. S.
REF. - FIG. 1.

Fig. 2: Sectional details of Single Leaf Single Swing G.I. Composite Fire Door (Insulated) with Vision Panel specimen evaluated for Fire Resistance on January 27, 2023.