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REPORT

Attn:	-
Project Code:	EC03826802/25
Client:	ABEL BUILDING SOLUTIONS - ANSA MCAL ENTERPRISES LTD
Client Address:	Depot Road Longdenville, Chaguanas
Report Title:	Testing of clay blocks – 4 inch horizontal core
Report No:	0245/26/01
Project Chief:	Lisa Ramoutar
Author(s):	Kareem Jennings & Adrian Cruickshank
Reviewed By:	Neal Hassim, Civil Technologist Date: 2015/10/08
Authorized By:	Near Hassim, Civil Technologist
	Lisa Ramoutar, Laboratory Manager
Сору No:	1 of 1 Appendices:
Report Version:	ORIGINAL RE-ISSUE AMENDED

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Introduction

The client submitted ten (10) 4" horizontal core Classic hollow clay for compressive strength determination and water absorption. The samples were submitted on June 24, 2025 and were assigned CARIRI Identification numbers as T251580 to T251589.

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Testing and Methodology

Guidelines given in ASTM C 67-23: Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile were used in the investigation.

Results

Test period: November 12 to December 04, 2025

Test results are presented in Table 1.

Table 1: Compressive strength of blocks

CARIRI ID	Client ID	Dimensions (L×W×H)	Surface Area (mm²)	Load (N)	Compressive strength (N/mm²)
T251580	Classic 4x8x12	300.5×87.5×196.5	26 294	187 091	7.1
T251581		303.5×89.5×198.5	27 163	230 383	8.5
T251582		302.5×88.0×197.5	26 620	170 389	6.4
T251583		301.5×88.5×197.5	26 683	139 776	5.2
T251584		301.5×89.0×197.0	26 834	109 955	4.1
				Average	6.3

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Table 2: Water absorption test results

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CARIRI ID	Client ID	Dry weight (g)	Saturated weight (24hr cold water) (g)	Absorption after immersion (%)
T251585	Classic 4x8x12	4602.9	4881.8	6.1
T251586		4669.8	5000.0	7.1
T251587		4485.8	4768.9	6.3
T251588		4520.8	4776.5	5.7
T251589		4534.7	4872.1	7.4
			Average	6.5

■ Test Laboratory: CARIRI Materials Laboratory, Trincity West Industrial Estate, Macoya

END OF REPORT

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