

TEST REPORT

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Date : 05/08/2021

Our Ref : ST-8500173569

Subject : Tensile Proof Load Test of M8 bolts installed at bay 2 & 3 portal at Bugis Junction Tower as requested by Opai (Singapore) Pte Ltd.

Tested For : **OPAI (SINGAPORE) PTE LTD**
1 Bukit Batok Crescent
#08-14, Wcega Plaza
Singapore 658064
Attn-: Francis Ang

Test Location : Bugis Junction Tower

Date of Test : 4th August 2021

Sample Description : Four (04) nos. of M8 bolts installed were selected by the client for testing. The installation of the M8 bolts was undertaken by the contractor on site.

Method of Test : **Adopted from BS 5080: Part 1: 1993****
Load was applied axially to the installed M8 bolts by a centre-pull hydraulic jack system to the required load of 10.1. kN as advised by the client. The applied load was then held for a minute before releasing. Any failure that occurs before reaching the desired test load shall then be recorded and the mode of failure noted.

*Note :- '**'* (1) *No displacement measurements were taken during the course of loading.*
(2) *Size of system supports is smaller than that recommended.*

Refer to the table on page 2 for test results.

Mike

ST-8500173569 (4-M8 bolts) Opai (Singapore) Pte Ltd / Saiyidah



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Results:

Tensile Proof Load Test on M8 Bolts

Sample Ref.	Test Location / Member	Fixing Type	Applied Tensile Proof Load (kN)*	Observation After Test
T1	Bay 2, Portal	M8 Bolts	10.1	No Failure
T2			10.1	
T3	Bay 3, Portal		10.1	
T4			10.1	

Note: * Load as advised by the client

Witness (es) :

- (1) Francis Ang (Opai)
- (2) Lim Tien Lye (RTO)
- (3) Chang Jun Jie (Sunray)

Test Conducted By: *Michael* Michael Gurusamy



HOW YONG MENG
 Manager
 Structural & Integrity Testing Dept.
 Construction Technology Division