MTR ENGINEERING SDN. BHD.
(CO.NO:32999 -W)
1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL : 088-723935 FAX : 088-723934

Rujukan Tuan :
Rujukan Kami : MTR/KPKT/JBPM/2021/063
Tarikh : 05 Ogos 2021

ALASIM OMAR ARCHITECT
F-27-1, Royal Plaza Putatan KM11.2,
Jalan Putatan,
88200 Kota Kinabalu, Sabah.
Tel : 013-397 5752
Email : alasim.architect@gmail.com

Tuan,

PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN, SABAH
(KPKT/BPEMB/JPBM/6/14/2021)
- Method of Statement Submission: Red Brick

Merujuk kepada perkara di atas.

02. Bersama-sama dengan surat ini disertakan dokumen laporan ujian "*Red Brick*" untuk ulasan dan kelulusan dari pihak tuan.

03. Segala perhatian dan kerjasama daripada pihak tuan amatlah dihargai

Sekian dan Terima Kasih.

Yang Benar,

.....
MTR Engineering Sdn.Bhd
(SUFIAN BIN SUTRESNO)
Pengurus Pembinaan

sk.
~ Kementerian Perumahan Dan Kerajaan Tempatan
~ Perunding Ideal
~ Jurutera Perunding Intelek S/B
~ Jurukur Bahan Konsultant (Sabah)

	BK-PEMB-PK(P)-08-07	Pindaan	00
	BORANG KELULUSAN BAHAN/PEMERIKSAAN MOCK-UP	Mukasurat	1 / 1
		Tarikh	

BORANG KELULUSAN BAHAN/PEMERIKSAAN MOCK-UP

Nota: * Poto
*Nota:

PROJEK: MEMBINA BALAI BOMBA DAN KUARTERS PUTATAN, SABAH. No. Kontrak : KPKT/BPEMB/JBPM/6/14/2020		Kontraktor : MTR ENGINEERING SDN BHD	
BUTIRAN KERJA KELULUSAN BAHAN/MOCK-UP/ DESKRIPSI ITEM SAMPEL: **Metal Roofing**		Lokasi *Mock-up/ Bahan/Kerja : Kota Kinabalu	Tarikh: 5 Ogos 2021
Model: Kod Item:	Pengilang: CHRB BUILDING MATERIALS SB	Negara Asal: Malaysia	Pengedar Tempatan: CHRB BUILDING MATERIALS SB

PERAKUAN PERUNDING (C&S) (*Jika projek R&B*):

Saya dengan ini mengesahkan bahawa cadangan bahan/peralatan/*mock-up* adalah mematuhi kehendak spesifikasi dan berfungsi seperti kehendak kontrak.

Disertakan

Katalog [ ] Lukisan [ ] Sampel Bahan [ ] Spesifikasi [X] Sijil [ ]

Sampel kerja [ ] *Mock-up* [ ]

Tandatangan Perunding C&S*	Jawatan/Cap Rasmi
Nama :	Tarikh :

PERAKUAN KONTRAKTOR :

Saya dengan ini berjanji akan mematuhi kehendak CPP/Perunding* dan memastikan *bahan/peralatan/mock up/kerja yang dicadangkan mengikut spesifikasi dan berfungsi seperti di dalam kontrak.

Tandatangan Wakil Kontraktor	Jawatan/Cap Rasmi
Nama : Sufian Bin Sutresno	Tarikh :

KEPUTUSAN JKR CPP:

Dipersetujui (*concurred*) [ ]

Walaupun perkara di atas telah dipersetujui, adalah menjadi tanggungjawab kontraktor bagi memastikan *bahan/peralatan/mock up/kerja mematuhi kehendak spesifikasi dan berfungsi seperti yang telah dinyatakan di dalam kontrak.

Ditolak dan perlu kemukakan semula [ ]

Tandatangan KUR*(Arkitek/M&E/C&S)/Wakil PP	Jawatan/Cap Rasmi
Nama :	Tarikh

*Nota : Potong mana yang tidak berkenaan.

STL GEOTECHNICAL ENGINEERING SDN BHD

Company No : 256000 - X

COMPRESSIVE STRENGTH FOR BRICK (MS 1934-1:2007)

CLIENT : **Klen Nan Industrial Co. SDN.BHD.**

PROJECT : QAQC

LOCATION : -

DESCRIPTION : RED BRICK (Non-hollow)

Date Of Crushing : 05-02-2021

Date Of Casting : Refer Client/Supplier

Age Of Brick : Refer Client/Supplier

Sample No.	Dimension (L X W X H) (mm)			Weight Of Sample (g)	Surface Area (mm^2)	Volume Of Sample (cm^3)	Density Of Sample (kg/m^3)	Crushing Load (kN)	Compressive Strength (MN/m^2)/MPa	Strength in PSI (PSI)	Remarks
	L	W	H								
1	209	93	63	2,505	19,437	1,224.5	2,045.7	633.69	**32.60**	4,728.56	
2	208	93	65	2,574	19,344	1,257.4	2,047.1	643.53	**33.27**	4,825.07	
3	207	92	60	2,418	19,044	1,142.6	2,116.2	608.17	**31.93**	4,631.78	
4	209	94	65	2,431	19,646	1,277.0	1,903.7	413.57	**21.05**	3,053.20	
5	206	93	63	2,588	19,158	1,207.0	2,144.2	614.99	**32.10**	4,655.85	
6	205	92	63	2,487	18,860	1,188.2	2,093.1	523.91	**27.78**	4,028.99	
7	208	94	63	2,414	19,552	1,231.8	1,959.8	587.23	**30.03**	4,356.10	
8	205	94	63	2,463	19,270	1,214.0	2,028.8	458.56	**23.80**	3,451.40	
9	205	92	63	2,537	18,860	1,188.2	2,135.2	821.75	**43.57**	6,319.44	
10	207	95	65	2,561	19,665	1,278.2	2,003.6	651.58	**33.13**	4,805.68	
						Mean	**2,047.7**	**595.7**	**30.9**	*4,485.6*	
						Characteristic compressive strength, fk = f/1.2			**25.8 N/mm²**		

Note * MPa @ N/mm^2 = 145.038 psi

* Samples prepared & submitted by Client's representatives

Tested By : Azizul & Rives Date : 05-02-2021

Checked By : Roger Yong Date : 06-02-2021

STL GEOTECHNICAL ENGINEERING SDN BHD.

Version : October 2016

Rev. : 00

STL GEOTECHNICAL ENGINEERING SDN BHD

Company No : 256000 - X

COMPRESSIVE STRENGTH FOR BRICK (MS 1934-1:2007)

CLIENT : **Kien Nan Industrial Co. SDN.BHD.**

PROJECT : QAQC

LOCATION : -

DESCRIPTION : RED BRICK (Non-hollow)

Date Of Crushing : 05-02-2021

Date Of Casting : Refer Client/Supplier

Age Of Brick : Refer Client/Supplier

Sample No.	Dimension (L X W X H)(mm)			Weight Of Sample (g)	Surface Area (mm^2)	Volume Of Sample (cm^3)	Density Of Sample (kg/m^3)	Crushing Load (kN)	Compressive Strength (MN/m^2)/MPa	Strength in PSI (PSI)	Remarks
	L	W	H								
1	211	95	65	2,488	20,045	1,302.9	1,909.5	435.34	**21.72**	3,149.95	
2	207	92	64	2,576	19,044	1,218.8	2,113.5	598.50	**31.43**	4,558.13	
3	204	93	63	2,543	18,972	1,195.2	2,127.6	663.37	**34.97**	5,071.35	
4	205	92	63	2,536	18,860	1,188.2	2,134.4	801.94	**42.52**	6,167.10	
5	206	94	64	2,533	19,364	1,239.3	2,043.9	570.30	**29.45**	4,271.59	
6	207	94	65	2,532	19,458	1,264.8	2,001.9	416.24	**21.39**	3,102.61	
7	209	93	64	2,467	19,437	1,244.0	1,983.2	540.67	**27.82**	4,034.45	
8	207	93	62	2,394	19,251	1,193.6	2,005.8	532.87	**27.68**	4,014.66	
9	205	93	62	2,550	19,065	1,182.0	2,157.3	477.22	**25.03**	3,630.47	
10	207	93	64	2,557	19,251	1,232.1	2,075.4	521.98	**27.11**	3,932.62	
						Mean	**2,055.3**	**555.8**	**28.9**	4,193.3	
						Characteristic compressive strength, fk = f/1.2			**24.1 N/mm^2**		

Note * MPa @ N/mm^2 = 145.038 psi

* Samples prepared & submitted by Client's representatives

Tested By : Azizul & Rives Date : 05-02-2021

Checked By : Roger Yong Date : 06-02-2021

GEOTECHNICAL ENGINEERING SDN. BHD. * (Co. No. 256000-X) *

STL GEOTECHNICAL ENGINEERING SDN BHD.

Version : October 2016

Rev. : 00