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

Reference No : MTR/KPKT/AOA/2022/236
Date : 16th June 2022

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

Sir,

PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN, SABAH
(KPKT/BPEMB/JPBM/6/14/2021)
PER: MATERIAL SUBMISSION OF CHAIN LINK FENCING

Referring to the above matter.

02. Enclosed with this letter are documents for review and approval from you.

1. Material Submittal Form
2. Product Specifications for Chain Link Fencing

03. In addition, for the information of the owner of the material for Fencing does not have a sirim certificate but the supplier has a record in carrying out government projects.

04. All the attention and cooperation from you is greatly appreciated.

Thank you

Yours Sincerely,

.....

MTR Engineering Sdn. Bhd.
(SUFIAN BIN SUTRESNO)
CONSTRUCTION MANAGER

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

BORANG KELULUSAN BAHAN/PEMERIKSAAN MOCK-UP

Note: *Potong mana yg tidak berkenaan.

PROJEK: MEMBINA BALAI BOMBA DAN KUARTERS PUTATAN, SABAH. No. Kontrak : KPKT/BPEMB/JBPM/6/14/2021		**Kontraktor :** MTR ENGINEERING SDN.BHD.	
BUTIRAN KERJA KELULUSAN BAHAN/MOCK-UP/ DESKRIPSI ITEM SAMPEL:		**Lokasi Mock-~~up~~/ Bahan/Kerja :**	**Tarikh :**
Model: **Kod Item:** Chain Link Fencing	**Pengilang:** CHRB BUILDING MATERIALS SDN BHD	**Negara Asal:** MALAYSIA	**Pengedar Tempatan:** CHRB BUILDING MATERIALS SDN. BHD

PERAKUAN PERUNDING (ARKITEK) (*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 [/] Sijil [ ]

Sampel kerja [ ] *Mock-up* [ ]

Galvanised chain link fence
wire size : 10 (swg)
wire diameter : 3.00 - 3.20 (mm)

Tandatangan ~~CPP/~~ Perunding/Arkitek/M&E/C&S * LEMBAGA ARKITEK MALAYSIA Ar. Datu Alasim Datu Omar ARKITEK No. Pendaftaran LAM : A/D 17	**Jawatan/Cap Rasmi :** ALASIM DATU OMAR ARCHITECT LAM A/D 17
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 MTR ENGINEERING SDN BHD CO.NO 320996-M	**Jawatan/Cap Rasmi** Pengurus pembinaan
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.

CHRB BUILDING MATERIALS SDN BHD
(A Member to Chuan Huat Group) **(701128-U)**
Lot 18, Block B-9, 1st Floor, Alamesra Permai Plaza,
Jalan Sulaman, 88400 Kota Kinabalu, Sabah
Tel: 088-486381, 486382 **Fax: 088-448380**

Chain Link Fencing

A **chain-link fence** (also referred to as **wire netting**, **chain-wire fence**, **cyclone fence** or **hurricane fence**) is a type of woven fence usually made from galvanized PVC-coated steel wire. The wires run vertically and are bent into a zig-zag pattern so that each "zig" hooks with the wire immediately on one side and each "zag" with the wire immediately on the other. This forms the characteristic diamond pattern seen in this type of fence.

PVC coated galvanized wire chain link fence

Wire Size (SWG)	Wire Diameter (OD) (mm)**	Diamond Mesh (inch)	Width (m)	Length (m)
7	4.75	1 to 3	0.90 - 7.00	10.00 - 15.00
8	4.00	1 to 3	0.90 - 7.00	10.00 - 15.00
9	3.80	1 to 3	0.90 - 7.00	10.00 - 15.00
10	3.20	1 to 3	0.90 - 7.00	10.00 - 15.00
11	2.90	1 to 3	0.90 - 7.00	10.00 - 15.00
12	2.60	1 to 3	0.90 - 7.00	10.00 - 15.00

Galvanized chain link fence

Wire Size (SWG)	Wire Diameter (mm)**	Diamond Mesh (inch)	Width (m)	Length (m)
8	3.90- 4.00	1 to 3	0.90 - 7.00	10.00 - 15.00
9	3.30 - 3.80	1 to 3	0.90 - 7.00	10.00 - 15.00
10	3.00 - 3.20	1 to 3	0.90 - 7.00	10.00 - 15.00
11	2.70 -2.90	1 to 3	0.90 - 7.00	10.00 - 15.00
12	2.40 -2.60	1 to 3	0.90 - 7.00	10.00 - 15.00
13	2.20 - 2.30	1 to 3	0.90 - 7.00	10.00 - 15.00
14	2.00 - 2.10	1 to 3	0.90 - 7.00	10.00 - 15.00
15	1.80 - 1.90	1 to 3	0.90 - 7.00	10.00 - 15.00
16	1.60 - 1.70	1 to 3	0.90 - 7.00	10.00 - 15.00



Any kind of specification are decided by customer's requirement (custom-made available).

** Tolerance for wire diameter (range from 5% to 10%)

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Barbed Wire





Conertina Barb Wire/ Razor Wire

Diameter	Length	Blade Width
500mm	8-10m	12mm
700mm	10m	22mm
1000mm	10-13m	22mm

Galvanized Barbed Wire

Size (SWG)	Diameter (mm)	Barb spacing	Weight/ Coil (KG)
11	2.70	4 inches	18
12	2.50	4 inches	18
13	2.30	4 inches	18
14	2.00	4 inches	18
15	1.80	4 inches	18

PVC Barbed Wire

Size (SWG)	Diameter (mm)	Barb spacing	Weight/ Coil (KG)
11	2.70	4 inches	18
12	2.50	4 inches	18

Galvanized and PVC Barbed Wire

- Made of galvinized steel wire, PVC coated or partial PVC coated iron wire in green and other colors.
- Generally used to enforce security barrier to protect grass boundary, railway, highway and etc.

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PVC coated Galvanized Wire

- Manufactured with quality iron wire
- PVC is relatively low in cost, resilient, fire retardant and possesses good insulating properties

Size (SWG)	Colour	Weight / Coil (kg)
4G	Green / Blue / Black / Grey	50 - 300
5G	Green / Blue / Black / Grey	50 - 300
6G	Green / Blue / Black / Grey	50 - 300
7G	Green / Blue / Black / Grey	50 - 300
8G	Green / Blue / Black / Grey	50 - 300
9G	Green / Blue / Black / Grey	50 - 300
10G	Green / Blue / Black / Grey	50 - 300
11G	Green / Blue / Black / Grey	50 - 300
12G	Green / Blue / Black / Grey	50 - 300



Black Annealed Wire

Annealed Wire is made of carbon steel wire, used for weaving, baling in general. Applied for home use and the construction.

Annealed wire is obtained by means of thermal annealing, endowing it with the properties it needs for its main use - setting. This wire is deployed both in civil construction and in agriculture. Hence, in civil construction annealed wire, also known as “burnt wire” is used for iron setting. In agriculture annealed wire is used for bailing hay.

Size (SWG)	Colour	Weight / Coil (kg)
1.5mm	Black	50-300
2.0mm	Black	50- 300



WT CHAIN LINK FENCE (PVC COATED / GI)





TYPE	GI OR PVC COATED
GAUGE	6, 8, 9, 10, AND 12 GAUGE (G) GALVANISED CORE WIRE
HEIGHTS	3',4',5',6',7',8' 9', 10', 11', 12', 13', 14', 15'(FEET) (0.9M, 1.2M, 1.5M, 1.8M, 2.1M, 2.4M, 2.7M, 3M, 3.3M, 3.6M, 3.9M, 4.2M, 4.5M)
SPACING	1½", 2", 2½" AND 3" (INCH)
COLORS	**FOREST GREEN, ORANGE, YELLOW, BLUE, BLACK, GALVANISED**



