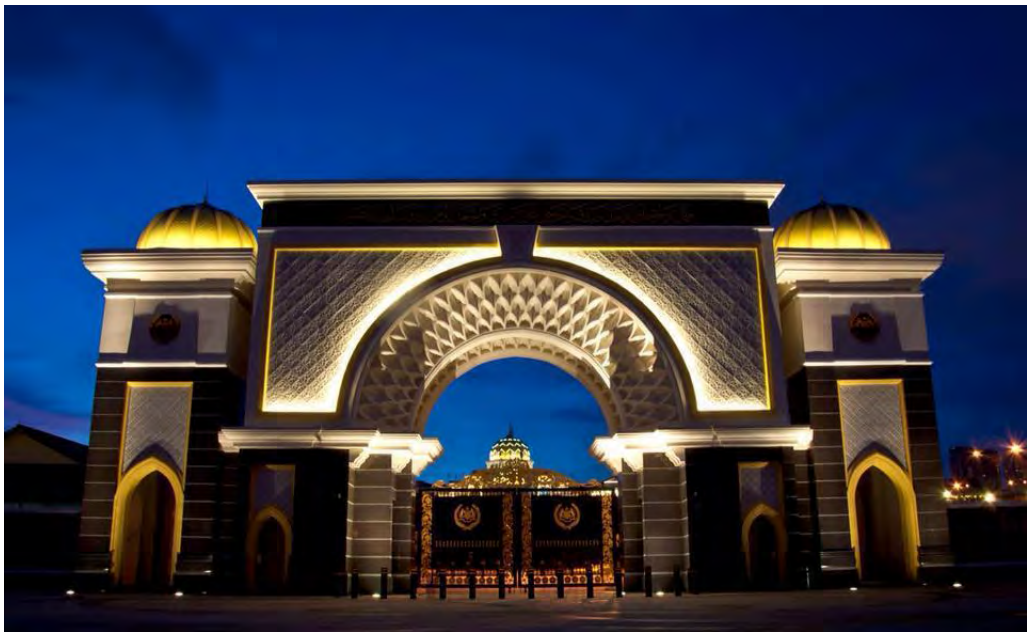




# VISUT MARBLE & G.R.C. CO., LTD.

## COMPANY PROFILE



**391 KANJANAVANIT ROAD, TAMBOL HATYAI, HATYAI, SONGKHLA, THAILAND. 90110**  
**TEL : +66 74 298838, 298840 FAX : +66 74 298839**  
**MAXIS H/P : 012-2833689 Thailand H/P : +66 81 5994313**  
**<http://www.visutgrc.com> Email : [malikagrc@gmail.com](mailto:malikagrc@gmail.com)**



# Welcome

Visut Marble & GRC. was incorporated in 1981 at Hat yai, Thailand. We specialize in the manufacturing and installation of man-made materials from Cultured Marble and GRC (Glass Fibre Reinforced Cement), using the latest technology from UK.

With nearly 29 years in the industry, our project experience has extended into many countries including Brunei Darussalam, Kuala Lumpur in Malaysia and numerous parts of Thailand including Bangkok. Our international work illustrates our competence in completing a wide variety of designs including, but by no means limited to, offices, shopping complexes, residential, bridges, mosques and palaces.

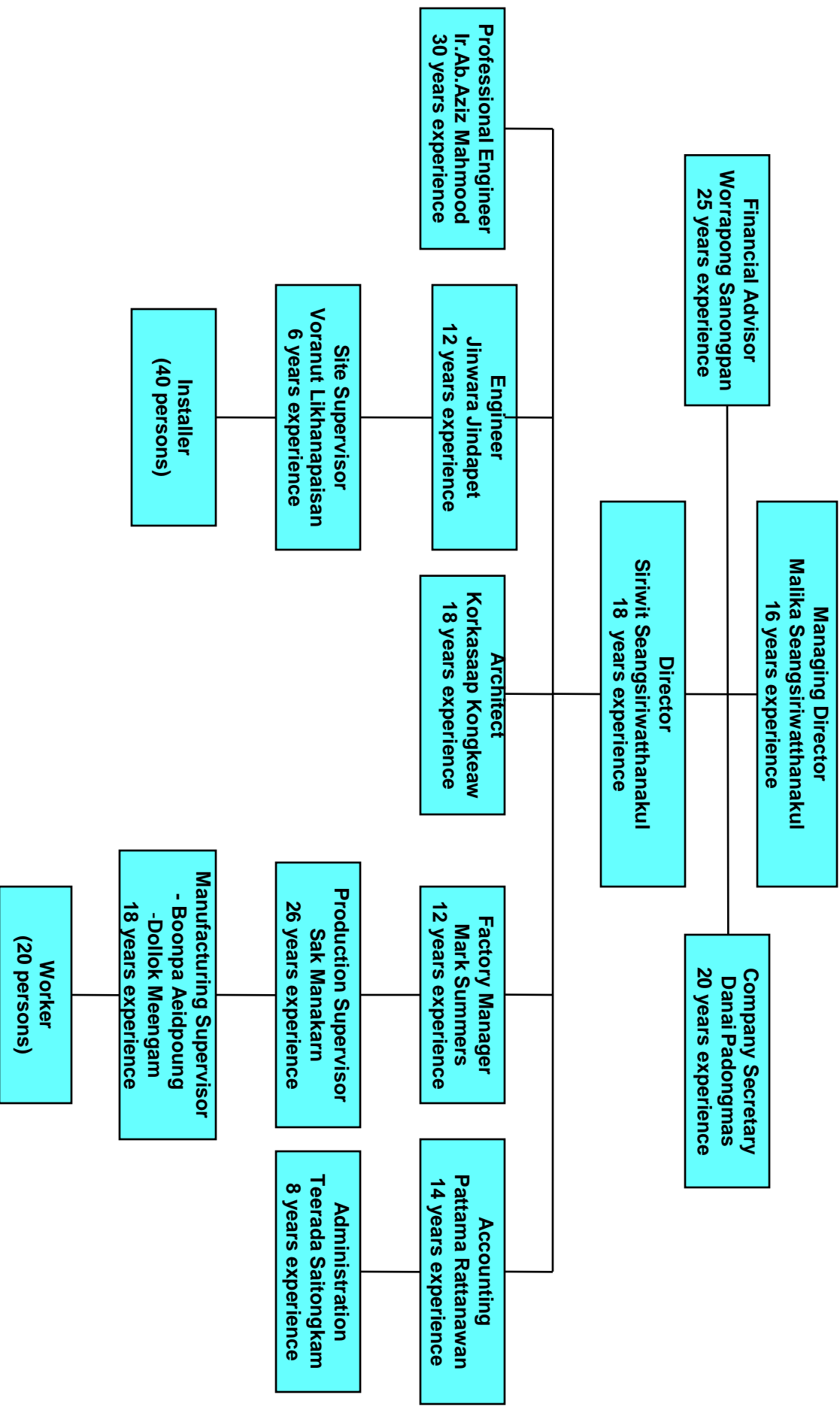
Visut Marble & GRC. and staff are very familiar with the Code of Practice in Malaysia and Thailand. We are always ready to prepare full scale mock-up based on approved shop drawings and we have one P.E. (Professional Engineer) employed to prepare and sign the Method of Statement prior to any site installation.

Visut Marble & GRC. Look forward to being of assistance to your future existing project. Rest assured that we have your best interests at heart and you can take peace of mind in dealing with our reputable company. Thank you.

Ms. Malika Seangsiriwatthanakul  
Managing Director



## ORGANISATION CHART





## LIST OF PROJECT

- 1) ISTANA NEGARA JALAN DUTA, KUALA LUMPUR  
GRC WORKS AT DEWAN SANTAPAN & MAIN GATEWAY (The Royal Palace In Kuala Lumpur Malaysia )
- 2) UNIVERSITI ISLAM ANTARABANGSA MALAYSIA KAMPUS GOMBAK  
KULLIYAH TEKNOLOGI MAKLUMAT & KOMUNIKASI
- 3) PROPOSE REPAIRING AND UPGRADING OF BUILDING  
FOR MALAYSIAN CONSULATE GENERAL IN SONGKHLA, THAILAND.
- 4) CADANGAN PEMBANGUNAN PUSAT PENTADBIRAN BARU KERAJAAN JOHOR DI NUSAJAYA  
PACKAGE NAME : DEWAN NEGERI JOHOR
- 5) M&E SERVICES AND LOCAL INFRASTRUCTURE WORKS FOR PROPOSED MENTERI BESAR AND  
STATE SECRETARY COMPLEX (MBSSC) PACKAGE NAME : MAIN BUILDING WORKS
- 6) PEMBINAAN PAGAR KESELAMATAN UNTUK JABATAN BOMBA DAN PENYELAMAT MALAYSIA  
WILAYAH PERSEKUTUAN PUTRAJAYA.
- 7) ARCHWAY UNIVERSITY KUANTAN, PAHANG DARUL MAKUR
- 8) CADANGAN MEMBINA DAN MENYIAPKAN PEMBANGUNAN FASA 1B KAMPUS PERUBATA  
UNIVERSITI ISLAM ANTARABANGSA MALAYSIA KUANTAN PAHANG DARUL MAKMUR.
- 9) DATO'S BANGLO AT SUNGAI PETANI  
CADANGAN MENDIRIKAN SEBUAH RUMAH BANGLO 2 TINGKAT DI ATAS PT 62523, 62524, 62525,  
62526 & 62527. MUKIM SUNGAI PETANI, DAERAH KUALA MUDA KEDAH DARULAMAN  
UNTUK: TETUAN NICE SAGA DEVELOPMENT SDN. BHD.
- 10) GRC. WORK FOR CONSTRUCTION OF DINING HALL AT ISTANA SERI MENANTI KUALA PILAH,  
NEGERI SEMBILAM, MALAYSIA.
- 11) SACC SHAH ALAM SHOPPING COMPLEX ( SACC MALL )  
CADANGAN PEMBANGUNAN KOMPLEKS MEMBELI BELAH 6 TINGKAT (FASA 1) YANG  
MERANGKUMI  
I) TINGKAT BAWAH TANAH - TEMPAT LETAK KERETA  
II) TINGKAT BAWAH HINGGA TINGKAT 3 - KOMPLEKS BELI – BELAH  
III) TINGKAT 4 HINGGA TINGKAT 5 - TEMPAT LETAK KERETA DI ATAS PRECINCT 1.1 DAN 1.2,  
JALAN PERBADANAN, SEKSYEN 14, SHAH ALAM, SELANGOR DARUL EHSAN  
(PAKEJ 2 - KERJA-KERJA STRUKTUR ATAS DAN KERJA-KERJA INFRASTRUKTUR)
- 12) PEREMBA PJH FOR PUTRAJAYA ( MENARA PJH )
- 13) RUMAH DATO' FARAK OTHMAN, KUALA LUMPUR.
- 14) THE PROJECT OF BRIDGE M1, M2, M3, AND M4 FOR PUTRA JAYA.



## LIST OF PROJECT

- 15) GRC. PLANTER BOX FOR PUTRAJAYA PROJECT. - BRIDGE OVER MAINLINE ( PACKAGE 6 )  
SEKSYEN 1A
- 16) CADANGAN BANGUNAN BARU MAHKAMAH SYARIAH, KUALA KANGSAR, PERAK, DARUL  
RIDZUAN.
- 17) PROJECT CYBER JAYA DEVELOPMENT FLAG SHIP ZONE ( PHASE I )
- 18) PUTRA JAYA DATARAN ( PLANTER BOX )
- 19) DEVELOPMENT OF PUTRAJAYA – DATARAN
- 20) KL INTERNATIONAL AIRPORT PROJECT – MOSQUE
- 21) PALACE OF THE GOLDEN HORSES , SELANGOR DARUL EHSAN
- 22) NATIONAL THEATER , KUALA LUMPUR
- 23) UIA GOMBAK CAMPUS
- 24) PENANG GOLF RESORT
- 25) GRC. PANEL INSTALLATION TO LADA HQ, LANGKAWI
- 26) STARHILL CENTRE, KUALA LUMPUR
- 27) HOTEL EQUATORIAL KUALA LUMPUR RENOVATION WORKS
- 28) TROPICANA GOLF AND COUNTRY RESORT CLUBHOUSE, KUALA LUMPUR
- 29) CADANGAN KOMPLEX MUZIUM NEGERI, TERENGGANU
- 30) CADANGAN MEMBINA DAN MENYIAPKAN IBU, PEJABAT DAERAH POLIS, BERSITA (208) UNIT  
RUMAH KEDIAMAN ANGGOTA POLIS DI LANGKAWI, KEDAH DARULAMAN
- 31) DATO' CHANG JONG YU RESIDENCE, KUALA TERENGGANU
- 32) CADANGAN UBAH SUAI DAN PEMBESARAN MASJID, SULTAN ZAINAL ABIDIN, TERENGGANU
- 33) METRO JAYA DEPT. STORE KL.
- 34) PETRONAS COMPLEX AT KERTEH, TERENGGANU
- 35) INTERNATIONAL INSTITUTE OF ISLAMIC THOUGHTS, JALAN DAMANSARA, KUALA LUMPUR
- 36) UNIVERSITY TECHNOLOGY MALAYSIA CAMPUS AT SKUDAI, JOHOR BAHRU
- 37) DATO'KARIM'S RESIDENCE, KL
- 38) DATO'SYED ALWIE MUHAMAAD BIN TUN SYED NASIR' RESIDENCE, KUALA LUMPUR
- 39) ISTANA FOR TENGKU SULAIMAN IN SHAH ALAM, SELANGOR DARUL EHSAN



## ABOUT PRODUCT (GRC.)

### COMPOSITE PREMIX MATERIALS

**CEMENT** : Normal Portland Cement

**AGGREGATES** : Sieved, Dry Sand having a grain size of  $\leq 3$  mm.  
The suitability of the sand will be documented by initial testing.  
This test is performed only if the materials have not been used in continuous production.  
Testing Comprises of :  
1. Aggregate Impurities. (humus, silt and clay)  
2. Grain Curve.  
3. Void Ratio and Sand flow Test.  
The above tests are carried out upon delivery.

**GLASS FIBERS** : Alkali-Resistant Glass Fibers ( AR-Glass fibers).

**ADDITIVES** : Super plasticizers (Migthy 150 or Sikament or Equal).

**WATER** : Water without injurious impurity.

**PREMIX MATERIAL** : The mix ratio includes fiber content and can be altered.

**COMPOSITIONS OF SLURRY (MATRICES)** : RATIO S/C : 0.5      W/C : 0.32 - 0.36  
MIX  
CEMENT      50      KG.  
SAND          25      KG.  
WATER      16 - 18      KG.  
SUPER PLASTICIZER  
GLASS FIBERS : 3.25%  $\pm$  0.2% BY WEIGHT OF COMPOSITE

**CHECKING OF GLASS FIBER CONTENT** : The fiber cutter should be calibrated every second day and when required.  
Calibration involves the determination of the ratio between the amount of glass fibers to the composite materials.



## ABOUT PRODUCT (GRC.)

### STRENGTH TEST

: To check at least every second working day for the following strength :

- a. Compressive Strength of complete material.
- b. Bending/Tensile Strength of complete material.

The same mix of slurry are used for both the above tests.

### COMPRESSIVE STRENGTH

: For Compressive Strength Test. Cast 3 Nos of Cubes

(150x150x150 mm<sup>3</sup>) 1 Cube will be tested after 24 hours and after 14 days with water curing.

### BENDING/TENSILE STRENGTH

: A test sheet with thickness 12 mm. will be sprayed for Bending / Tensile Strength testing. Six test elements of size 225mm x 50mm

will be cut out from the water cured sheet after 14 days. Three of these element will be bended using the mould side as tension side and the other three using mould side as pressure side.

### FINISHED ELEMENTS

### MANUFACTURE

: Manufacturing of the elements will be done to comply with the available drawings. Normally, The face up of the element is rough surface.



## **ABOUT PRODUCT (GRC.)**

### **VISUT GRC. (GLASS FIBER REINFORCED CONCRETE)**

Visut GRC. is a combination of CEM-FILL alkali resistant glass fibers and a cement / sand mortar, which produces a composite material with the appearance of traditional concrete. The composite combines the well established compressive properties of cement mortars with the valuable flexural and tensile strength characteristic of glass fibers.

For well over a decade, world-wide, the construction industry has been using GRC. as a lightweight cladding material for industrial, commercial and residential buildings; either as a decorative facade or as a total prefabricated enclosure.

In term of building design GRC. can offer opportunities where other more traditional materials are unable to meet specifications or cannot fulfill the requirements at an economic cost. The range of production techniques available for manufacturing GRC. gives the composite wide architectural freedom of form, colour and texture.

### **MATERIAL BENEFITS**

As a construction material GRC. has several desirable properties which make it particularly attractive to the architect, designer and contractor :

- relatively thin cross-section products can be manufactured ( typically 6-15 mm. thickness ) , giving a low component weight, usually one-third to one-fifth or approximately 20% that of an equivalent reinforced concrete element.
- high component strength and impact resistance in handling and erection.
- minimum maintenance. Freedom from rot, corrosion and UV degradation.
- non-combustibility, good fire resistance and protection.
- asbestos free, with no health hazards in manufacture or handling.





# **GRC. SPECIFICATION**

## **GRC. SPECIFICATION**

### **1.0 GENERAL**

#### **1.1 Definition**

GRC. panels shall mean glass fiber reinforced concrete precast units manufactured by VISUT MARBLE& GRC or approved equivalents.

#### **1.2 Scope of work**

Works covered under this specification shall include design, manufacture, deliver and installation of all GRC. panels in accordance with the specification.

#### **1.3 Workshop drawings**

The workshop drawings are to be based on the architect's drawings. These are to include all panels, their fixing and builders work information with detailed dimension, and are to be submitted to the S.O. for approval before manufacture by professional engineer

#### **1.4 Programme**

A programme for work is to be agreed with the contractor and must be substantially in accordance with the main building programme.

#### **1.5 British Standards**

All materials and workmanship shall conform to the latest edition of the relevant British standards Specification or British Standard Code of Practice, except where modified by this specification.



## GRC. SPECIFICATION

### 2.0 PERFORMANCE

#### 2.1 Shape

The panels are to be formed in GRC to achieve the profiles indicated by the architect's drawings or latest amendments.

#### 2.2 Finish

Type as specified by the Architect and agreed by the manufacturer of that finish. The acceptable variation in texture, colour and appearance shall be agreed by the architect and manufacturer a range of samples.

#### 2.3 Defects and staining

The finished panels shall be as free as possible from surface imperfections such as blowholes, voids, ridges or any other defects that will be visible in the finished condition as the approved samples.

#### 2.4 Water penetration

Panels shall not allow water to penetrate through the thickness of the panel so that dampness occur on the inside face.

#### 2.5 GRC. Properties

The GRC. from which the panels are made shall have the following characteristic value after 14 days of curing.

	<b>Spray Method ( N/mm<sup>2</sup> )</b>	<b>Premix Method ( N/mm<sup>2</sup> )</b>
<b>Limit of Proportionality</b>	<b>18</b>	<b>12</b>
<b>Bending/Tensile Strength</b>	<b>6</b>	<b>5</b>
<b>Young's Modules</b>	<b>8 KN/mm<sup>2</sup></b>	<b>8 KN/mm<sup>2</sup></b>
<b>Density</b>	<b>1.8 - 2.1 Ton/m<sup>3</sup></b>	<b>1.7 – 1.9 Ton/m<sup>3</sup></b>



## **GRC. SPECIFICATION**

### **3.0 MATERIALS**

#### **3.1 General**

Materials used for making the GRC. unit shall generally comply with relevant British Standards. Any reference to a British Standard shall mean that current at the time of going to tender. Where materials are not fully covered by this specification or alternative materials are offered, the manufacturer shall forward to the architect full details of those he/she proposes to use for approval prior to commencing the work.

#### **3.2 Cement**

The cement shall be Portland cement conforming to BS12 or its derivatives and shall be obtained from one source throughout manufacture. The manufacturer shall obtain test certificates from the cement suppliers showing the results of cement strength tests, so that early warning may be obtained of possible low strength of GRC. units resulting from low cement strengths.

#### **3.3 Glass fiber**

The glass fiber shall be Alkaline Resistant Glass fiber approved by the S.O.

#### **3.4 Admixtures**

The manufacturer shall ensure that any admixtures used do not have any harmful effects on the product.

#### **3.5 Sand**

Dry Sand with a maximum moisture content of 2% by weight and a particle size between 2 mm. and 150 microns.

#### **3.6 Fillers**

All materials other than cement, sand, glass fiber, admixtures or water included as part of the GRC. material in its manufacture shall be considered as filler. Fillers shall only be used to improve the GRC. properties or to assist the manufacture of the material. The manufacturer is to seek prior written approval for the use of any fillers.



## **GRC. SPECIFICATION**

### **3.7 Water**

Water from waterworks without injurious impurities.

### **3.8 Mix design**

The mix shall be determined by the manufacturer and submitted to the S.O. for approval before work commences.

### **3.9 Moulds**

The material and manufacture of the moulds shall be consistent with the type and quality of the surface finish required from the panel, and with the tolerances specified.

### **3.10 Fixings**

Fixings shall be in accordance with the approved shop-drawings

## **4.0 WORKMANSHIP AND CONSTRUCTION**

### **4.1 Application and mixing**

Application shall be by a method such that uniform mixing of glass fiber and cement matrix is achieved during the application process.

- a. The glass fiber and cement slurry shall be metered to achieve the desired mix proportion and glass content. Distribution of fiber in the mix shall be controlled by the operator in such a way as to be as uniform as possible.
- b. All weight and volume measurements of mix constituents shall be carried out in a careful manner such that the correct mix proportions are achieved.
- c. Cleanliness of equipment and working procedures shall be maintained at all time.



## GRC. SPECIFICATION

### 4.2 Manufacture

- a. The panels should be manufactured using a technique which will satisfy the performance requirements of the completed unit, throughout its anticipated life time.
- b. Labour force used in the manufacture of the panels should be experienced and have a degree of proficiency which is compatible with manufacturing to the performance required in the specification.
- c. Mist coats consisting of the basic composition without fiber may if necessary be used to give a smooth even, surface. However, such mist coats should be uniform and of the minimum thickness compatible with the process in order to avoid an unreinforced surface.
- d. Before the mist coat has set, the main body of the material should be placed and compacted.
- e. The method of laying down and compacting the main body of the material shall produce a satisfactory matrix/fiber distribution.
- f. Consolidation shall be carried out using a technique to achieve the complete encapsulation of the fiber and full compaction.
- g. Control of thickness shall be achieved by using a pin gauge or other method approved by the S.O.
- h. All hand forming of details, incorporation of preformed sections or infill material shall be carried out before the material has achieved its initial set so as to ensure complete bonding.

### 4.3 Tolerances

The allowable tolerances of finished products shall be as follows :

1. Bowing, concave or convex of a flat surface :  $L/360$
2. Maximum permissible warpage of one corner out of the plane of the other three :  $\pm 6$  mm
3. Overall height and width of panels :
  - a. Units 3 m. or under :  $\pm 6$  mm.
  - b. Units 3 m. to 6 m. :  $\pm 12$  mm.
4. Openings within one unit :  $\pm 6$  mm.
5. Twist, out of square :  $\pm 12$  mm.
6. Skin thickness :  $\pm 6$  mm.



## **GRC. SPECIFICATION**

### **4.4 Care of panels after spraying**

Immediately after the completion of manufacture the panels shall be cured to achieve sufficient strength for the remolding process.

### **4.5 Remolding**

After remolding, the panels shall be uniformly supported and transferred to the curing enclosure.

### **4.6 Curing**

Curing shall be continued after remolding. The curing conditions shall be such as to provide free water on the surface of the panels, and an adequate level of temperature.

### **4.7 Storage and handling**

Panels shall be handled, stored and transported in such a way that no damage or marking of architectural surfaces occurs and so that the panels are not subject to undue stress.

### **4.8 Identification of units**

All panels shall be identified individually to indicate the panel type and date of manufacture.

### **4.9 Making good**

The contractor shall be held responsible for making good all defects such as chipping, spalling, cracking caused on the panels after delivery to site till completion of erection.

### **4.10 Defective works**

Any panel not complying with this specification will be declared unacceptable.



# CERTIFICATE



MS ISO 9001 : 2000 REG. NO. AR2174

## TEST SDN. BHD.

(30358-T)

Technical Equipment ■ Services ■ Testing ■

Main Office:  
18, Jalan SS 20/10, Damansara Kim, 47400 Petaling Jaya,  
Selangor Darul Ehsan, Malaysia.  
Tel: (603) 7728 4927 Fax: (603) 7727 6015 Email: sectest@pc.laring.my

Laboratory:  
No. 3 & 5, Jalan Anggerik Mokara 31/51, Kota Kemuning,  
Seksyen 31, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.  
Tel: (603) 5122 3688 Fax: (603) 5121 1668 Email: testkk@tm.net.my

### FACTUAL TEST REPORT

TEST REPORT NO. : C1892/02/2005	JOB NO. : L8419	PAGE : 1 OF 2
This report is NOT a Quality Assurance Certificate NOR an Approval Permit. This report refers only to sample(s) submitted by the Client to TEST SDN BHD and tested by TEST SDN BHD. The Copyright of this Confidential TEST REPORT is owned by Test Sdn Bhd. This TEST REPORT cannot be reproduced, except in full without the written approval of TEST SDN BHD. This TEST REPORT shall not be used for publication or advertisement by any means or forms without written permission of TEST SDN BHD.		

- 1.0 Issued Date : February 18, 2005
- 2.0 Test Requested by Client : Density Test of Hardened Concrete
- 3.0 Client : **M/s Nusantara Technologies Sdn Bhd**  
No. 5, Jalan Anggerik Mokara 31/45,  
Seksyen 31, Kota Kemuning,  
40460 Shah Alam, Selangor .
- 4.0 Consulting Engineers : N/A
- 5.0 Project : VISUT Academy Marble Co. Ltd.
- 6.0 Method of Testing : BS 1881 : Part 114 : 1983  
'Methods for determination of density of hardened concrete'
- 7.0 Date Received : February 17, 2005
- 8.0 Description of Sample : One (1) no. of 150mm x 150mm x150mm concrete cube and  
one (1) no. of fabricated concrete block measured  
approximately 350mm x 350mm x 65mm thick.
- 9.0 Results : The test results are as shown herein in page 2 of 2.
- 10.0 Remarks / Exclusion : -

Prepared by:

  
KASSIM HJ. YAAKUB  
Test Manager I

Approved by:

  
P.K. CHOONG  
Technical Director



MS ISO 9001 : 2000 Certified



# CERTIFICATE

## TEST SDN. BHD.

### FACTUAL TEST REPORT

TEST REPORT NO. : C1892/02/2005	JOB NO. : L8419	PAGE : 2 OF 2
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Client : M/s Nusantara Technologies Sdn Bhd  
Consulting Engineers : N/A  
Project : VISUT Academy Marble Co. Ltd.  
Method of Testing : BS 1881 : Part 114 : 1983  
'Methods for determination of density of hardened concrete'

#### Test Results of Density Test of Hardened Concrete


Client Reference	Concrete Cube	Fabricated Concrete Block	
Date Received	17/02/2005	17/02/2005	
Date of Testing	18/02/2005	18/02/2005	
Weight in air (kg)	7.046	7.917	
Weight in water (kg)	3.680	4.328	
Volume (m <sup>3</sup> ) *	0.003366	0.003589	
As-received Density (kg/m <sup>3</sup> ) **	2090	2210	

Notes: 1. \* - Determination of volume by water displacement method.  
2. \*\* - Reported to the nearest 10 kg/m<sup>3</sup>.

#### **IMPORTANT NOTE:**

Kindly note that the above sample(s) was submitted to the Test Sdn Bhd's laboratories, Kota Kemuning, Shah Alam, Selangor by the Client. Therefore, **TEST SDN BHD** is not responsible for the correctness in sampling.

Prepared by:

  
KASSIN H.J. YAAKUB  
Test Manager I

Approved by:

  
P.K. CHOONG  
Technical Director







1600

1100

2290

36(GAP)

GROOVE LINE

150

100

100

VARIES

150

VARIES

150

100

100

150

VARIES

140

GRC FRAME 30mm Thk.

SEE DETAIL B

BOLT # 12mm. Ø500mm.

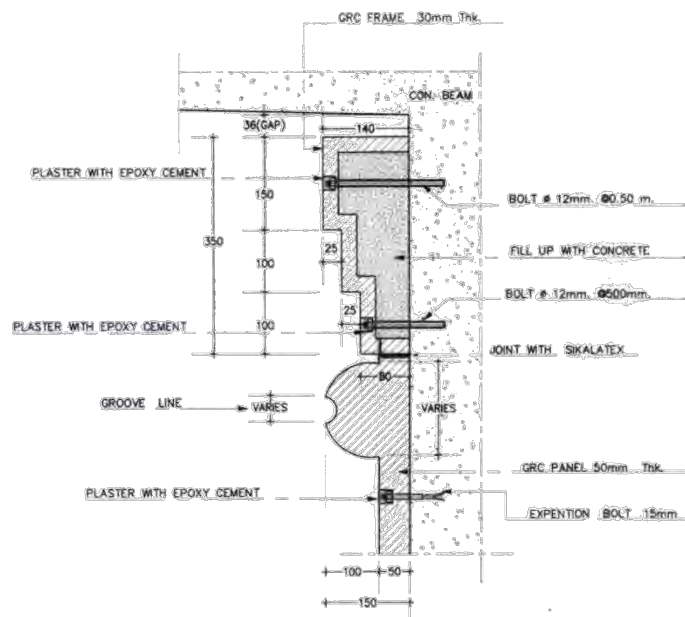
VARIES

GRC PANEL 50mm Thk.

EXPENSION BOLT 15mm.

BOLT # 12mm. Ø500mm.

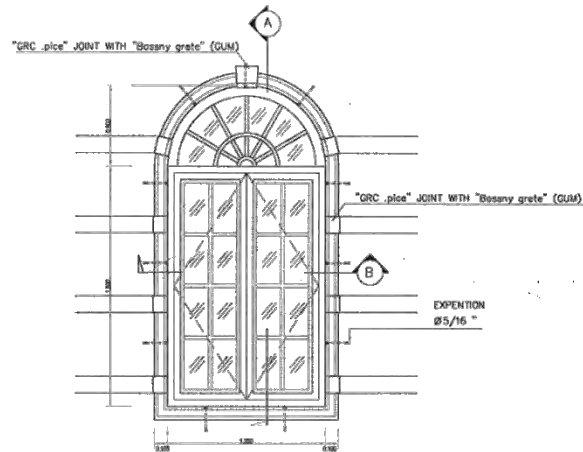
GRC FRAME 30mm Thk.



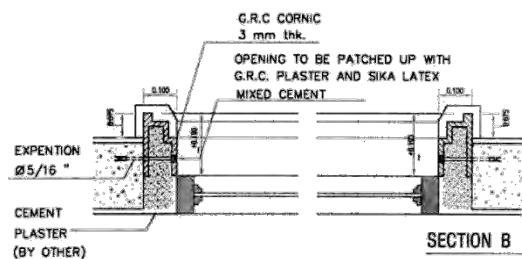
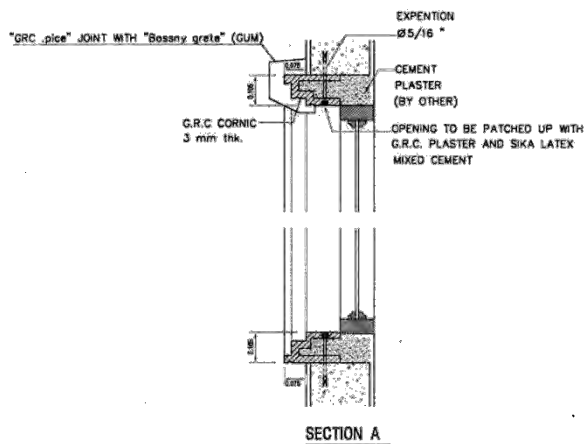


# SAMPLE OF INSTALLATION STATEMENT

## INSTALLATION STATEMENT FOR DECORATIVE FRAME PATTERN



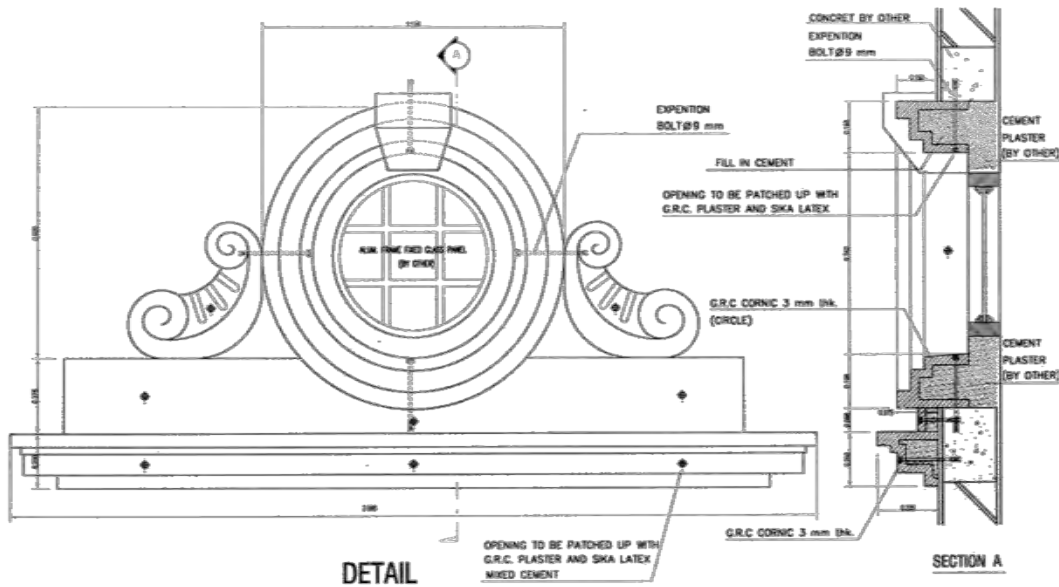
DETAIL



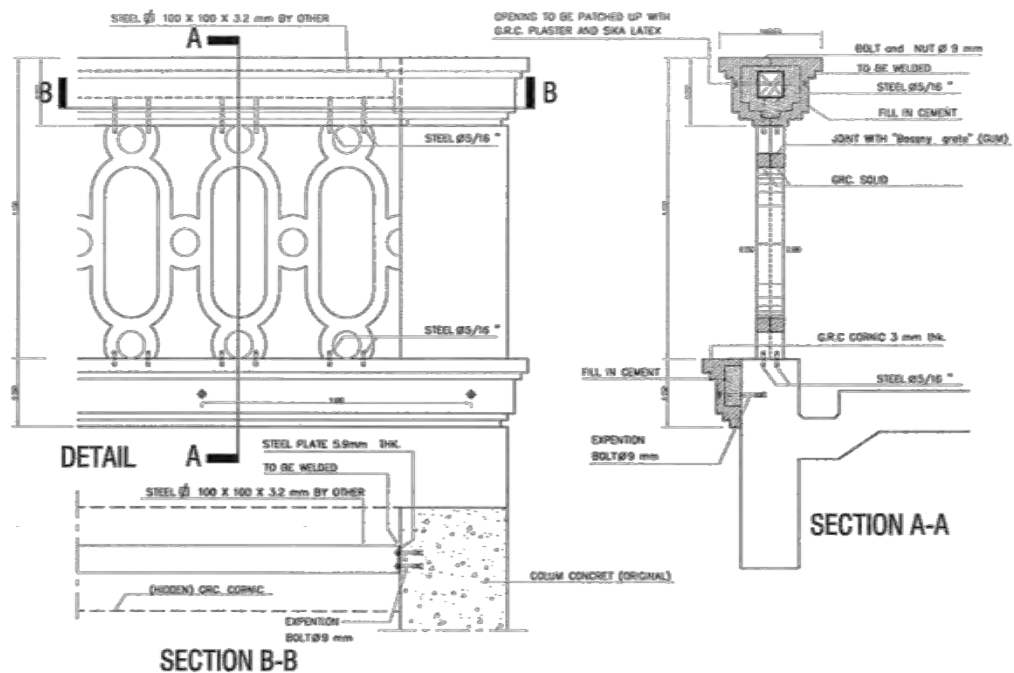


## SAMPLE OF INSTALLATION STATEMENT

### INSTALLATION STATEMENT FOR DECORATIVE FRAME PATTERN

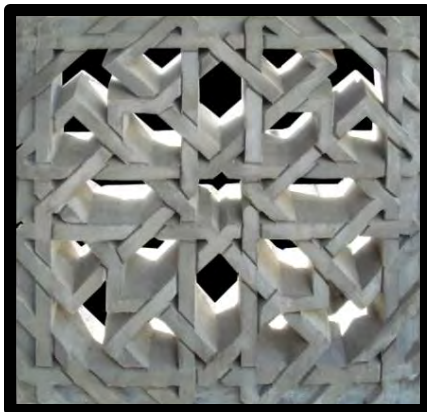


### INSTALLATION STATEMENT FOR DECORATIVE FRAME PATTERN



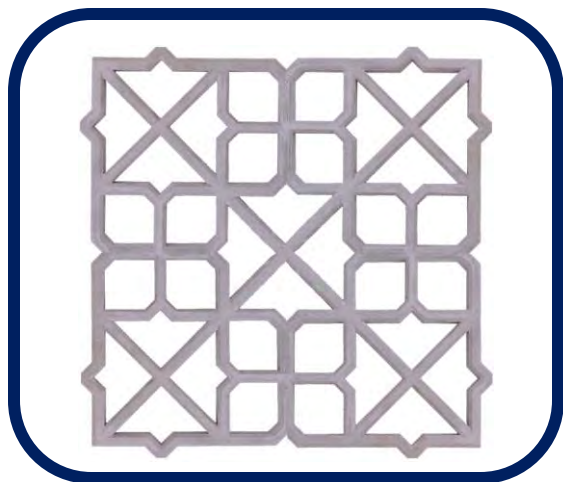
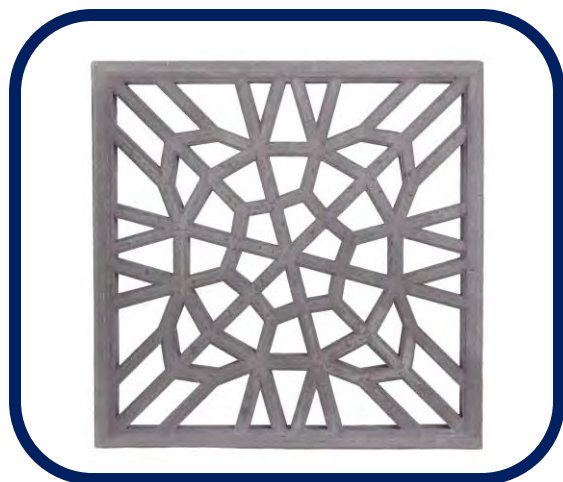
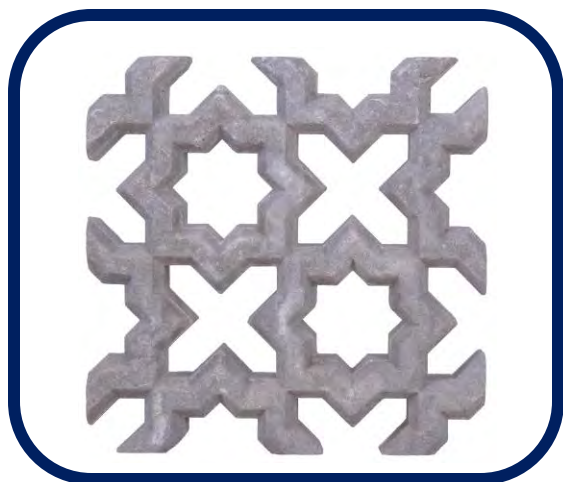
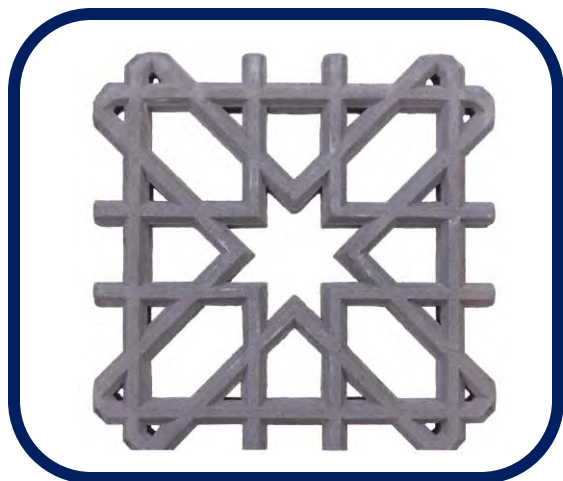


## GRC.'S PRODUCT





## GRC.'S PRODUCT







# FACTORY











## GRC.'S PROJECT

THE ROYAL PALACE IN KUALA LUMPUR  
ISTANA NEGARA JALAN DUTA, KUALA LUMPUR PROJECT







## **GRC.'S PROJECT**

**ISTANA NEGARA JALAN DUTA, KUALA LUMPUR PROJECT  
GRC WORKS AT MAIN ENTRANCE  
THE ROYAL PALACE IN KUALA LUMPUR**





## GRC.'S PROJECT

**ISTANA TERENGGANU AT BUKIT CHENDERING, TERENGGANU @PLAZA AREA  
MALAYSIA**







## GRC.'S PROJECT

**THE ROYAL PALACE IN KUALA LUMPUR  
ISTANA NEGARA JALAN DUTA, KUALA LUMPUR PROJECT  
GRC WORKS AT DEWAN SANTAPAN & MAIN GATEWAY**





## GRC.'S PROJECT

GRC WORKS FOR MALAYSIAN CONSULATE GENERAL IN SONGKHLA, THAILAND







## GRC.'S PROJECT

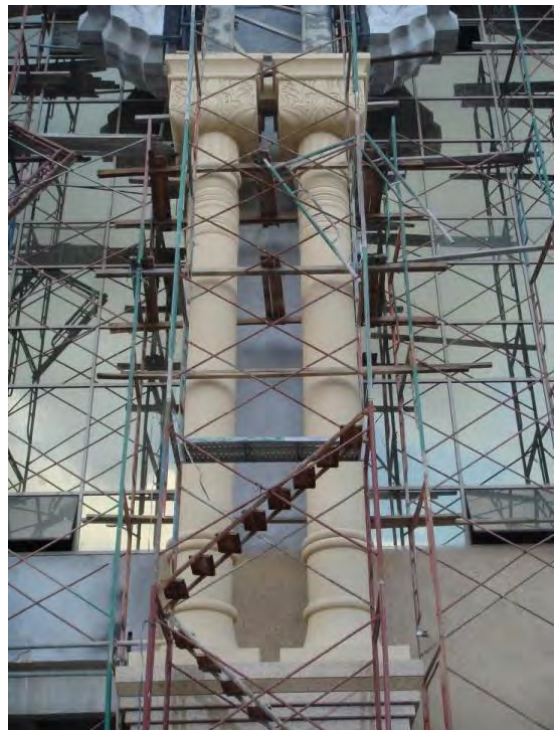
**CADANGAN PEMBANGUNAN PUSAT PENTADBIRAN BARU KERAJAAN JOHOR DI NUSAJAYA  
PACKAGE NAME : DEWAN NEGERI JOHOR**





## **GRC.'S PROJECT**

**M&E SERVICES AND LOCAL INFRASTRUCTURE WORKS FOR PROPOSED MENTERI BESAR  
AND STATE SECRETARY COMPLEX (MBSSC)  
PACKAGE NAME : MAIN BUILDING WORKS**







## GRC.'S PROJECT

**JABATAN BOMBA DAN PENYELAMAT PUTRAJAYA, MALAYSIA**







## GRC.'S PROJECT

ARCHWAY UNIVERSITY KUANTAN, PAHANG DARUL MAKMUR







# GRC.'S PROJECT

UNIVERSITY KUANTAN, PAHANG DARUL MAKMUR





## GRC.'S PROJECT

**CADANGAN MEMBINA DAN MENYIAPKAN PEMBANGUNAN FASA 1B KAMPUS PERUBATAN  
UNIVERSITI ISLAM ANTARABANGSA MALAYSIAKUANTAN PAHANG DARUL MAKMUR**







# GRC.'S PROJECT

## DATO'S BANGLO AT SUNGAI PETANI





## GRC.'S PROJECT

DINING HALL AT ISTANA SERI MENANTI KUALA PILAH, NEGERI SEMBILAM

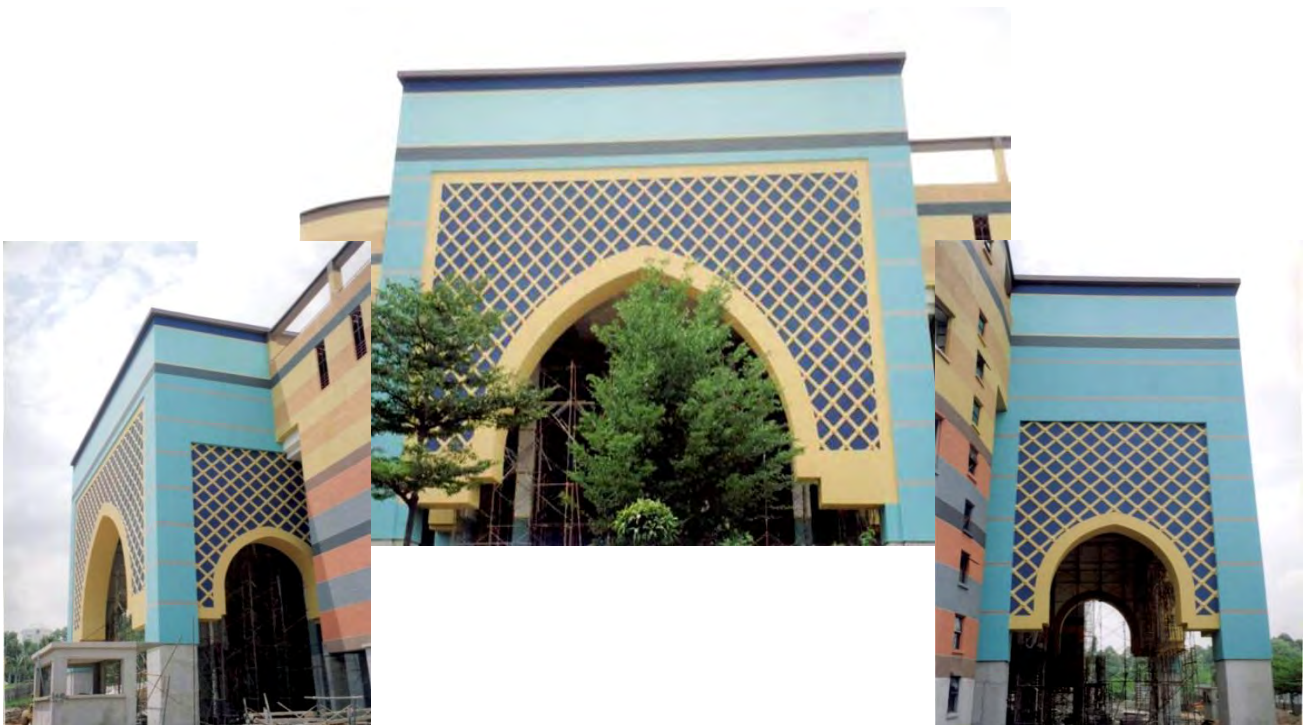






## GRC.'S PROJECT

### SACC SHAH ALAM SHOPPING COMPLEX





## GRC.'S PROJECT

### PEREMBA PJH FOR PUTRA JAYA ( MENARA PJH )



### RUMAH DATO' FARUK OTHMAN







## **GRC.'S PROJECT**

### **THE PROJECT OF BRIDGE M1, M2, M3, AND M4 FOR PUTRA JAYA**



### **GRC. PLANTER BOX FOR PUTRAJAYA PROJECT BRIDGE OVER MAINLINE (PACKAGE 6) SEKSYEN 1A**





## GRC.'S PROJECT

### PLANTER BOX, PUTRAJAYA DATARAN



### DEVELOPMENT OF PUTRAJAYA - DATARAN







## GRC.'S PROJECT

### KL INTERNATIONAL AIRPORT PROJECT - MOSQUE



### PALACE OF THE GOLDEN HORSES, SELANGOR DARUL EHSAN





## GRC.'S PROJECT

### KL INTERNATIONAL AIRPORT PROJECT - MOSQUE

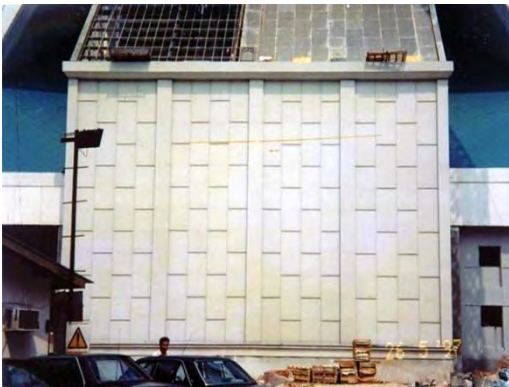






## GRC.'S PROJECT

### NATIONAL THEATER , KUALA LUMPUR



### UIA GOMBAK CAMPUS





## GRC.'S PROJECT

### PENANG GOLF RESORT



### PENANG GOLF RESORT GRC. PANEL INSTALLATION TO LADA HQ, LANGKAWI







## GRC.'S PROJECT

### STARHILL CENTRE, KUALA LUMPUR



### HOTEL EQUATORIAL KUALA LUMPUR RENOVATION WORKS





## GRC.'S PROJECT

### TROPICANA GOLF AND COUNTRY RESORT CLUBHOUSE KUALA LUMPUR



### CADANGAN KOMPLEKS MUZIUM NEGERI, K. TERENGGANU





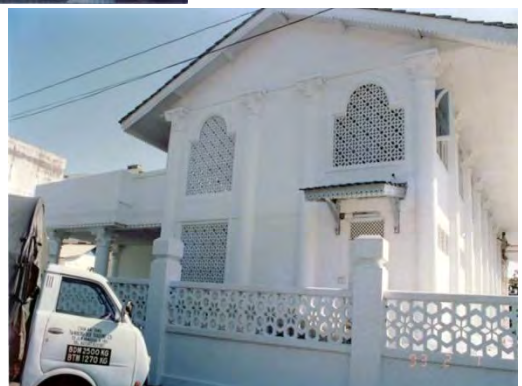


## **GRC.'S PROJECT**

**CADANGAN MEMBINA DAN MENYIAPKAN IBU PEJABAT DAERAH POLIS, BERSERIA  
(208) UNIT RUMAH KEDIAMAN ANGGOTA POLIS DI LANGKAWI KEDAH DARULAMAN**



**CADANGAN UBAH SUAI DAN PEMBESARAN MASJID  
SULTAN ZAINALABIDIN, K. TERENGGANU**





## GRC.'S PROJECT

### PETRONAS COMPLEX AT KERTEH, TERENGGANU



### INTERNATIONAL INSTITUTE OF ISLAMIC THOUGHTS, JALAN DAMANSARA, KUALA LUMPUR







## GRC.'S PROJECT

UNIVERSITY TECHNOLOGY MALAYSIA CAMPUS AT SKUDAI, JOHOR BAHRU



DATO'KARIM'S RESIDENCE, KL





## GRC.'S PROJECT

### DATO'SYED ALWIE RESIDENCE, KL



### ISTANA FOR TENGKU SULAIMAN IN SHAH ALAM, SELANGOR DARUL EHSAN





**391 KANJANAVANIT ROAD, TAMBOL HATYAI, HATYAI, SONGKHLA, THAILAND. 90110**  
**TEL :+66 74 298838, 298840 FAX :+66 74 298839**  
**MAXIS H/P : 012-2833689 Thailand H/P : +66 81 5994313**  
**<http://www.visutgrc.com>    Email : [malikagrc@gmail.com](mailto:malikagrc@gmail.com)**