

# Advanced Manufacturing for **Metal** and **Glass**

الشركة المتقدمة لتصنيع المعادن والزجاج

Engineered **Precision.**  
Built to **Last.**



Façade  
Systems



Curtain  
Walls



Windows  
& Doors




Precision  
Manufacturing


## COMPANY PROFILE

Delivering innovative and reliable  
metal and glass solutions with  
unmatched quality, precision,  
and commitment.

- H. Office & Factory - C.R. # 2050058201
- Tel.: +966 13 8127776 | Fax: +966 13 8127470
- PO Box 13631, 16th St., 2nd Industrial Area, Dammam 31414  
Kingdom of Saudi Arabia
- Paid Capital: 20,000,000 S.R. | Industrial License No. 29335
- Ch-M. # 91312 - Kingdom of Saudi Arabia
- VAT No.: 300048683100003



 [www.amg-metal.com](http://www.amg-metal.com)

 [alu@amg-metal.com](mailto:alu@amg-metal.com)



(PREQUALIFICATION CATALOGUE 2026)

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+966 13 812 7776



alu@amg-metal.com



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2<sup>nd</sup> Industrial Area, Dammam, KSA





# INTRODUCTION



Advanced  
Manufacturing  
For Metal and Glass Co.





(INTRODUCTION)

## COMPANY PROFILE:

**AMG Company**, a subsidiary of **M/S Alupco**, is located in the 2nd Industrial Area, Dammam, Saudi Arabia. Established in 2007, the company operates with a paid-up capital of SAR 20,000,000 and is registered under Company No. (628970) with the Ministry of Commerce and Industry.

The company specializes in the design, fabrication, assembly, and installation of curtain wall systems, aluminum doors and windows, cladding (ACP), skylights, canopies, louvers, glass partitions, and other façade works.

Operating in a 21,000 m<sup>2</sup> facility and supported by advanced machinery and a skilled workforce, AMG delivers high-quality products that meet international standards, with a strong commitment to meeting client requirements.

## General Information:

Company Name	:	<b>ADVANCED MANUFACTURING FOR METAL &amp; GLASS CO.</b>
Acronym	:	<i>AMG Company</i>
Mailing Address	:	PO Box, 13631, Dammam, 31414- Kingdom of Saudi Arabia
Physical Address	:	Bldg. 2700 – 16 <sup>th</sup> Street, 2 <sup>nd</sup> Industrial Area, 34334 – Saudi Arabia
Telephone	:	+966 13 812 7776
Fax	:	+966 13 812 7470
Email	:	<a href="mailto:alu@amg-metal.com">alu@amg-metal.com</a>
Website	:	<a href="http://www.amg-metal.com">www.amg-metal.com</a>
CR	:	2050058201
Chamber	:	91312
Zakat	:	1110210954
VAT Certificate No	:	30048683100003
ISO Certification	:	0660-361109 (2028.October 20)

Maps: <https://maps.app.goo.gl/CJUG3MMuB7Ur8F2X7>

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(INTRODUCTION)

## Manufacture:

Using extruded and rolled materials sourced from globally recognized, high-quality suppliers such as SCHUECO, VISTAWALL, BALEXCO, REYNAERS, INSTALLUX, ALUPCO, ALUMAN, ALU-K, EFP, and GUTMANN, AMG delivers a complete range of services, including:

- **Design** – From initial concept to detailed working drawings, including all technical submissions and supporting documentation.
- **Fabrication** – Carried out using advanced, state-of-the-art machinery to ensure precision, quality, and superior finish.
- **Assembly** – Units are assembled using crimping methods and other mechanical connections in compliance with international standards.
- **Transportation** – Supported by an in-house fleet, ensuring reliable delivery across all provinces of the Kingdom.
- **Installation** – Executed by trained installers under the supervision of project managers, following planned sequences and project requirements, including proper alignment, masonry protection, and application of sealants.

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# ORGANIZATION STRUCTURE

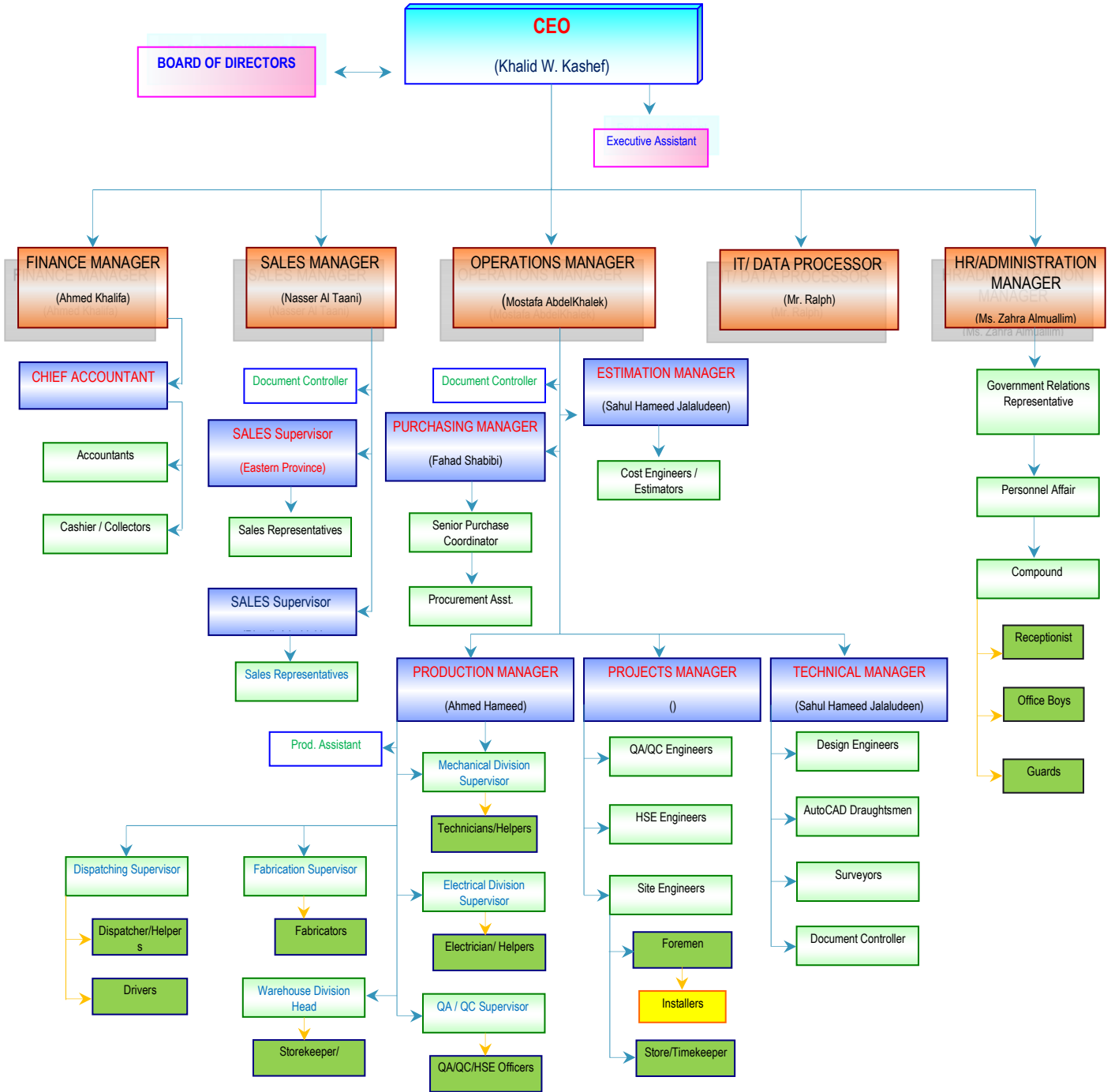


Advanced  
Manufacturing  
For Metal and Glass Co.





(Organization Chart)



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(Organization Chart)

## Key Personnel:

CEO : **Eng. Khalid W. Kashef**

- *Executive Assistant:*

Administration Manager : **Zahra Al Muallim**

- *Supervisor-Personal Affairs:*
- *Government Relations Personnel:*
- *Compound In-charge:*

Accounts Manager : **Ahmed Khalifa**

- *Accountants:*
- *Cashier/Collectors:*

Sales Manager : **Nasser Al Taani**

- *DC:*
- *Sales Representatives:*

Operations Manager: **Mostafa Abdelkhalek**

- *Secretary:*

Estimation Manager: **Sahul Hameed Jalaludeen**

- *Cost Engineers:*

Technical Manager: **Sahul Hameed Jalaludeen**

- *Design Engineers:*
- *AutoCAD Draughtsman:*
- *Surveyors:*
- *DC:*

Projects Manager :

- *Site Engineers / Foreman / Installers / Helper / WPR / Drivers / Surveyors*

Production Manager : **Ahmed Hamed**

- *Production Assistant:*
- *Mechanical Division Supervisor:*
  - ✓ *Mechanic / Technician / Helper:*
- *Electrical Division Supervisor:*
  - ✓ *Electricians / Helper:*
- *Quality Control Division:*
  - ✓ *QA-QC Personnel / HSE*
- *Dispatching Supervisor*
  - ✓ *Drivers / Dispatchers / Helpers*

Warehouse Manager : **Azharuddin**

- *Storekeeper / Warehousemen*

Procurement Manager : **Fahad Shabibi**

IT / Data Processing: : **Ralph Evangelista**

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# CERTIFICATIONS / LICENSES



Advanced  
Manufacturing  
For Metal and Glass Co.





(Licenses/Certificates)

CERTIFICATE

Exzellenz  
Bewertungs  
Systeme

 **EBS Certificate**



## Quality Management System

For:

**Advanced Manufacturing for Metal & Glass**

Building No. 2700, Al Dammam 403, 7481, Postal code 34334 Dammam Saudi Arabia

**International Standard: ISO 9001:2015**

Assessment scope: Fabrication & Installation of Aluminium Windows, Doors,  
Structural Glazing, Cladding, Curtain Walls and Façade Works.

IAF: 17, 28

**Issue, date: October 21, 2025**

Certification cycle is three years, and remains valid subject to satisfactory annual surveillance audits:

First surveillance, before date: October 21, 2026, Second surveillance, before date: October 21, 2027

**Expiry, date: October 20, 2028**

Recertification audit, before two months the expiration date of the three-year cycle.

Audit report No: 0289-050925-Q

**Certificate No: 0660-361109**

Certificate search / validity: [www.ebscontrol.com](http://www.ebscontrol.com)

Current registration effective,

Date: October 21, 2025

Authorized, Signature



MSCB-347

This certificate issued based on procedures of EBS and remains the property of EBS.  
Accredited office: EBS Registrars LLC, 400 Pella Blvd. St. 207-238, 10901, New York, USA, Key Location:  
EBS Exzellenz Bewertungssysteme GmbH, Wintershaße 2a, 50054 Hürth, Köln, Germany, [www.ebscontrol.com](http://www.ebscontrol.com)

Form F1020/ Version 01/09.09.2025, Language: English, Page 1-1

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(Licenses/Certificates)



## شهادة السجل التجاري

البيانات الأساسية للسجل التجاري



7001539308

شركة المتقدمة لتصنيع المعادن والزجاج شركة ذات الشخص الواحد

الرقم الوطني الموحد: 7001539308

تاريخ الإصدار: 30/01/2008

نوع الكيان: شركة

@XfD  
mcgovsa

1900  
mc.gov.sa

شهادة اشتراك

Membership

نشهد بأن This is to certify that

الشركة المتقدمة لتصنيع المعادن والزجاج شركة ذات الشخص الواحد

**.ADVANCED MANUFACTURING FOR METAL AND GLASS CO**

عضو في الغرفة التجارية

Certificate Date	15/01/2024 - 03/07/1445	تاريخ طباعة الشهادة
Date of Membership	02/02/2008 - 24/01/1429	تاريخ الاشتراك
Date of Expiry	29/11/2027 - 01/07/1449	تاريخ الانتهاء
Subscription Status	فعال	حالة الاشتراك
NUN	7001539308	رقم المنشأة الموحد
Membership No	91312	رقم الاشتراك
Membership Degree	الأولى	درجة الاشتراك
Commercial Record/ License	2050058201	الرخصة / السجل التجاري
P. O. Box	13631	صندوق البريد

التوقيع  
عبدالعزیز بن سعد المعمر  
مدير إدارة المشتركين والفروع

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(Licenses/Certificates)

QIWA  
قيوة

الموارد البشرية  
والتنمية الاجتماعية

## شهادة التوطين

رقم الشهادة	641803-12386998
تاريخ الإصدار	14/11/2024
تاريخ انتهاء الصلاحية	12/02/2025
تاريخ التجديد/التحديث	—
حالة الشهادة	تم التحقق
اسم المنشأة	الشركة المتقدمة لتصنيع المعادن والزجاج شركة ذات الشخص الواحد
رقم المنشأة	4-73161
رقم السجل التجاري	2050058201
الرقم الوطني الموحد	7001539308
مستوى نطاقات	اخضر متوسط
معدل التوطين	% 31



The Ministry of Human Resources and Social Development certifies that the above mentioned Establishment has achieved the required Nationalization rate and has been granted this certificate upon request.

The certificate is electronically generated and approved by the authority. It does not require any signature or stamp.

تشهد وزارة الموارد البشرية والتنمية الاجتماعية بأن المنشأة المذكورة أعلاه حققت نسبة التوطين المطلوبة وتم منحها هذه الشهادة بناءً على طلبها.

الشهادة تم إنشاؤها إلكترونياً ومفتمدة من الجهة المختصة ولا تحتاج إلى ختم أو توقيع

رؤية  
VISION  
2030  
المملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA

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(Licenses/Certificates)



تاريخ الإصدار: 2019/01/22  
الرقم المميز: 3000486831



الهيئة العامة للزكاة والدخل  
General Authority of Zakat & Tax



## شهادة تسجيل في ضريبة القيمة المضافة VAT Registration Certificate

تشهد الهيئة العامة للزكاة والدخل بأن المكلف أدناه مسجل في ضريبة القيمة المضافة  
بتاريخ 2017/08/24

Hereby, The General Authority of Zakat & Tax (GAZT) certifies that the taxpayer below is  
VAT registered on 24/08/2017

اسم المكلف:	الشركة المتقدمة لتصنيع المعادن والزجاج
رقم التسجيل الضريبي:	300048683100003
تاريخ نفاذ التسجيل:	2018/01/01
عنوان المكلف:	الدمام، الصناعية الثانية، شارع 16، 31414



كمكلف مسجل في ضريبة القيمة المضافة، لا يجوز لك تحصيل ضريبة القيمة المضافة من عملائك قبل تاريخ  
نفاذ التسجيل بالضريبة. في حال تبين غير ذلك، ستقوم الهيئة العامة للزكاة والدخل بتنفيذ الغرامات المستحقة

هذه الوثيقة مرسلة من النظام الآلي ولا تحتاج إلى توقيع  
- الهيئة العامة للزكاة والدخل -

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(Licenses/Certificates)



تاريخ الإصدار: 2019/01/22  
الرقم المميز: 3000486831



الهيئة العامة للزكاة والدخل  
General Authority of Zakat & Tax



اسم المكلّف:	الشركة المتقدمة لتصنيع المعادن والزجاج	Taxpayer Name:
رقم السجل التجاري/الرخصة/العقد:	2050058201	CR / License / Contract No.:
الفترة الضريبية:	شهرى-Monthly	Tax Period:
تاريخ استحقاق أول إقرار ضريبي:	2018/02/28	First Filing due date:



كمكلف مسجل في ضريبة القيمة المضافة، لا يجوز لك تحصيل ضريبة القيمة المضافة من عملائك قبل تاريخ نفاذ التسجيل بالضريبة. في حال تبين غير ذلك، ستقوم الهيئة العامة للزكاة والدخل بتنفيذ الغرامات المستحقة

هذه الوثيقة مرسلّة من النظام الآلي ولا تحتاج إلى توقيع  
- الهيئة العامة للزكاة والدخل -

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(Licenses / Certificates)

Proof Number	1031403926	رقم الإثبات
Original Date	27/2/2023	تاريخ الإصدار
Expiration Date	8/26/2023	تاريخ الانتهاء



## إثبات عنوان Address Proof

### Address Holder Details

### بيانات صاحب العنوان

Name	Advanced Manufacturing for Metal & Glass	الشركة المتقدمة لتصنيع المعادن والزجاج شركة ذات الشخص الواحد	الاسم
Customer Acc.	7 1 6 1 3 3 0 2 1		رقم الحساب
Reg. Date	2/6/2013		تاريخ التسجيل

### Address Details

### تفاصيل العنوان

Short Address	E I G A 2 7 0 0	العنوان المختصر
Building No.	2 7 0 0	رقم المبنى
Street	Al Dammam 403	الشارع
Secondary No.	7 4 8 1	الرقم الفرعي
District		الحي
Postal Code	3 4 3 3 4	الرمز البريدي
City	DAMMAM	المدينة
		الدمام
	Kingdom of Saudi Arabia	المملكة العربية السعودية



للتحقق To Verify

<https://proof.address.gov.sa/VerifyProofNA.aspx>

تم إصدار هذا الإثبات إلكترونياً ولا يتطلب التوقيع عليه

تم إصدار هذا الإثبات بناء على طلب الموضح أعلاه، ويحظر قطعياً تقليده أو إدخال أي تعديلات عليه سواء بالإضافة أو الحذف، وبعد الإثبات لأشياء إذا شابهت من ذلك، كما يعرض صاحبه للمساءلة القانونية.

This proof has been issued electronically and does not require a signature

This proof has been issued upon the request of the above-named, and it is absolutely prohibited to imitate it or make any modifications to it, whether by addition or deletion, and the proof is considered void if it is marred by something, and its owner is subject to legal accountability.

19992 <https://splonline.com.sa/ar/national-address-1/>

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(Licenses / Certificates)

أرامكو السعودية  
Saudi Aramco



September 2, 2012

YOUR SAUDI ARAMCO VENDOR  
REGISTRATION NUMBER: 10049336

**ADVANCED MANUFACTURING FOR METAL AND GLASS CO.**  
**P.O.BOX.13631**  
**Dammam 31414**  
**Saudi Arabia**

Gentlemen;

Thank you for your interest in providing contract services to Saudi Aramco. Your new contractor registration application has been approved and your Company has been assigned the following Vendor Number:

**YOUR ASSIGNED SAUDI ARAMCO VENDOR NUMBER: 10049336**

(Please note this Vendor Number for your future reference.)

We appreciate your interest in doing business with Saudi Aramco and wish you the best of success.

Sincerely yours,

Sgd:

Manager  
Saudi Aramco Contracting Department

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(Licenses / Certificates)

**Kingdom of Saudi Arabia**  
Royal Commission For Jubail & Yanbu  
Royal Commission in jubail



المملكة العربية السعودية  
المينة الملكية للجبيل وينبع  
المينة الملكية بالجبيل

**ANNOUNCEMENT OF SUPPLIER REGISTRATION**

Date : 27/04 /2010

**ADVANCED MANUFACTURING FOR METAL AND  
GLASS (AMG)**

**FAX NO.: 8127470**

Gentlemen:

We would like to thank you for your interest in being a supplier registered With Royal Commision In Jubail .

This is to acknowledge that your registration request and documentation have been reviewed and accepted. Royal Commision in Jubail- Supply Management Department has registered your Company/Estblishment under vedor Number **13238**

To participate in the Royal Commission's supplies and material requests, your Company/Estblishment have to followe up with advertismant that published on local newspapers, or posted on the Supply Mngement Bulletin Board, and on the Royal Commission Web-Site.

Very truly yours,

**A. I. AL-JELOUZ**  
Purchasing Manager  
Supply Management Dep.

**عبدالرحمن بن ابراهيم الجلعوز**  
رئيس قسم المشتريات  
إدارة المشتريات والمستودعات

إخطار بتسجيل مورد

التاريخ : ١٣ / ٥ / ١٤٣١ هـ

فرع الشركة المتقدمة لتصنيع المعادن والزجاج

فاكس رقم: ٨١٢٧٤٧٠

السلام عليكم ورحمة الله وبركاته،

نقدر لكم رغبتكم بان تكونوا احدى الموردين المسجلين لدى الهيئة الملكية بالجبيل.

وهذا الإشعار لتلبية طلبكم للتسجيل لدينا بموجب المستندات الرسمية المقدمة التي تمت مراجعتها والموافقة عليها. علماً بأن الهيئة الملكية بالجبيل- إدارة المشتريات والمستودعات سجلت شركتكم/مؤسستكم تحت الرقم **١٣٢٣٨**

ولكي يتسنى لكم الدخول في التوريد وطلبات المواد التابعة للهيئة الملكية بالجبيل، يرجى منكم متابعة الإعلانات التي يتم نشرها في الصحف المحلية ولوحة الإعلانات الخاصة لإدارة المشتريات والمستودعات، وكذلك على الشبكة الإلكترونية للهيئة الملكية.

ولكم تحياتي،

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alu@amg-metal.com

www.amg-metal.com

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(PREQUALIFICATION CATALOGUE 2026)

Aluminium  
Steel  
PVC-U  
Solar products  
Design  
Service

SCHÜCO

07 March 2012

To Whom It May Concern

Schüco Middle East Windows & Façade Systems L.L.C. hereby confirms that **Advanced Manufacturing for Metal & Glass Company, P.O. Box 13631, Dammam, K.S.A. ("AMG")**, is an authorized Schüco aluminum fabricator in Saudi Arabia. **AMG** is authorized to sell fabricated Schüco products internationally.

This authorization covers the use of Schüco systems and support according to Schüco's policies and procedures, which includes allowing the following:

- The use of Schüco designs;
- The purchase of Schüco systems genuine aluminum profiles and accessories from Schüco Middle East;
- The purchase from Schüco Middle East of all related required punching tools and equipment to fabricate and install the system;
- Technical support as needed and agreed.

Schüco Middle East Windows & Façade system is the sole Schüco subsidiary authorized by Schüco International KG ([www.schueco.com](http://www.schueco.com)) to sell genuine Schüco aluminum profiles and accessories in the Territory, which includes Saudi Arabia and other countries in the Middle East and Africa. Schüco Middle East Windows & Façade System LLC is also the sole entity authorized to approve, appoint, and authorize Schüco fabricators in the Territory, and is the only Schüco subsidiary authorized to sell un-fabricated profiles and accessories in the Territory.

Please do not hesitate to contact Schüco Middle East Windows & Façade System LLC should further details and/or clarifications be needed regarding this authorization.

This letter is valid for one year from the date first written above.

Sincerely,

**Schüco Middle East Windows & Façade Systems L.L.C.**

**Ammar H. Alui**  
General Manager

**SCHÜCO**  
Schüco Middle East  
Windows and Façade Systems L.L.C.  
P.O. Box 1861 • Sharjah • U.A.E

Schüco Middle East Windows and Façade Systems L.L.C.  
P.O. Box 1861 • Sharjah • U.A.E.  
Tel: +971 6 5336659  
Fax: +971 6 5337732  
[www.schueco.ae](http://www.schueco.ae) - [info@schucome.com](mailto:info@schucome.com)

شركة شوكو ميديا إيست للتوافيق وأنظمة الواجهات - دبي  
ص.ب. 1861 - الشارقة - الإمارات العربية المتحدة  
هاتف: +971 6 5336659  
فاكس: +971 6 5337732  
[www.schueco.ae](http://www.schueco.ae) - [info@schucome.com](mailto:info@schucome.com)

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[www.amg-metal.com](http://www.amg-metal.com)

2<sup>nd</sup> Industrial Area, Dammam, KSA





(Licenses / Certificates)

**Certificate of Appreciation**

 *Is hereby awarded to* 

**AMG Advanced Manufacturing  
for Metal and Glass Co.(W.L.L)**

*for their diligent and significant efforts exhibited towards  
supply and installation of Aluminum Doors and  
Windows of Samsung Naffora Techno Valley Project for  
AMANA with outstanding Quality and Safety.*

  
Ahmad Munir Merhy.  
Project Manager  
Samsung Naffora Techno Valley Project  
Saudi Amana contracting co.L.L.C

  
شركة أمانة السعودية للمقاولات المحدودة  
AMANA  
C.R. 2051034474  
Saudi Amana Contracting Company L.L.C.

  
Nabil Constantin  
General Manager  
Saudi Amana contracting co.L.L.C

*Given this on 20th of April 2011 at Jubail, Kingdom of Saudi Arabia.*

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alu@amg-metal.com

www.amg-metal.com

2<sup>nd</sup> Industrial Area, Dammam, KSA





# PREVIOUS PROJECT APPROVALS



Advanced  
Manufacturing  
For Metal and Glass Co.





# JAZAN NEW INTERNATIONAL AIRPORT

BY: GACA

CONSULTANT: EURO CONSULT  
MAIN CONTRACTOR: SAFARI COMPANY

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[alu@amg-metal.com](mailto:alu@amg-metal.com)

[www.amg-metal.com](http://www.amg-metal.com)

2<sup>nd</sup> Industrial Area, Dammam, KSA



التاريخ: ٢٣/١١/١٤٤٦هـ

الموافق: ٢١/٠٥/٢٠٢٥م

الرقم: LTR-EURO-SAF-MM-2398

المحترمين  
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صورة مع التحية إلى تجمع مطارات الثاني  
صورة إلى/ سعادة مساعد الرئيس التنفيذي للمشاريع بشركة تجمع مطارات الثاني  
صورة إلى/ سعادة مدير عام تنفيذ المشاريع بشركة تجمع مطارات الثاني  
صورة إلى/ سعادة مدير مشروع مطار الملك عبد الله بن عبد العزيز بجازان (الجديد)

السادة/ شركة سفاري السعودية المحدودة

السلام عليكم ورحمة الله وبركاته،،

المشروع: إنشاء مطار الملك عبد الله بن عبد العزيز بجازان (الجديد).

الموضوع: الموافقة على شركة (AMG) لتوريد وتركيب اعمال ALUMINUM & GLAZING WORKS

بالإشارة الى الموضوع اعلاه، مرفق لكم خطاب السادة شركة تجمع مطارات الثاني رقم ٤٦٢١٦٣٦٧ المستلم بتاريخ ٢٠/٠٥/٢٠٢٥م بخصوص الموافقة على شركة (AMG) لتوريد وتركيب اعمال ALUMINUM & GLAZING WORKS.

الرجاء التقيد بما جاء فيه.

وتفضلوا بقبول فائق الاحترام،

شركة يورو كونسلت للاستشارات الهندسية  
مدير المشروع

م/ ماجد ميخائيل



صورة مع التحية :

م/ نواف عثاني م/كريستوس جريجوراكيس م/ أحمد صبري



Riyadh: Sericon Building No. 15 office 502 Al-Olaya Street, 1195 Riyadh 11431

☎ (966) 11 475 66 55 ☎ (966) 11 475 66 99

Jeddah: King Road Tower Office No. 808 King Abdulaziz, 3675 Jeddah 23412

☎ (966) 12 692 76 45 ☎ (966) 12 692 83 46

Dammam: 4902 King Faisal Road Office18 Al-Mazrouiya, 32414 Dammam 6366

☎ (966) 13 80 20 948 ☎ (966) 13 80 20 948





الموكر صورة مع التحية لسعادة مساعد الرئيس للمشاريع والشؤون الفنية المكلف  
المحترمين صورة للسادة / شركة إيربورت إنجنيرنج سيرفيس  
المحترمين السادة / شركة يورو كونسلت للإستشارات الهندسية  
السلام عليكم ورحمة الله وبركاته،،  
الموضوع: الموافقة على شركة (AMG) لتوريد وتركيب أعمال تكسيات الألومنيوم والزجاج بمشروع مطار حازان الجديد.

إشارة إلى مشروع إنشاء مطار الملك عبد الله بن عبدالعزيز بجازان (الجديد) وإلى خطاب استشاري إدارة المشاريع (AES) رقم ٦٦٠ وتاريخ ١٧/١١/٤٤٦ هـ المقيد لدينا برقم ٤٦٢١٦٢٣١ وتاريخ ٢٠/١١/٤٤٦ هـ والمبني على خطابكم رقم 2355 وتاريخ ١٢/١١/٤٤٦ هـ بخصوص الموضوع أعلاه.  
نفيدكم بقبول التوصية الفنية على اعتماد شركة (AMG) كشركة تصنيع وتوريد أعمال تكسيات الألومنيوم والزجاج بالمشروع.

مع الأخذ بالإعتبار مايلي:

- جميع الموافقات لا تخفي إستشاري المشروع والمقاول الرئيسي للمشروع من مسؤولياته والتزاماته التعاقدية.
- تقديم توصياتكم الفنية على جميع الحسابات التصميمية والمخططات التنفيذية لجميع الأعمال إلى فريق الإشراف للإطلاع عليها.
- تقديم العينات للإعتماد قبل الإلتزام بالعقود الشرائية لأي مادة أو نظام.
- الإلتزام بملاحظات إستشاري إدارة المشاريع (إيربورت إنجنيرنج سيرفيس الدولية)
- الإلتزام بالموصفات الفنية للمشروع وأصول الصناعة والإلتزام بالتركيب حسب تعليمات المصنع وتوصيات فريق الإشراف الواردة في نموذج الإعتماد بعد الإختبارات المصنعية إن لزم.
- الإلتزام بالتنسيق مع جميع الأعمال الخاصة بالمشروع (إنشائية-معمارية-إلكتروميكانيكية).
- الإلتزام بتقديم ضمانات أعمال التنفيذ حسب مدة الضمان التعاقدية.

وتقبلوا تحياتنا،

مدير عام تنفيذ المشاريع

المهندس/ فراس بن عبد الله الدويش

Ref: CL2-GIZN-AES-CL2-LTR-00660 Response Required CL2-GIZN-AES-CL2-LTR-00660 المرجع:  
Yes  No

Date: 17 Dhu'l-Qi'dah 1446 (H) 17 ذو القعدة 1446 هـ  
15 May 2025 (G) 15 مايو 2025

To: Cluster 2 ("Employer") Kingdom of Saudi Arabia السادة / شركة تجمع المطارات الثاني ("المالك") المملكة العربية السعودية

Attn: Engr. Ruwayd Atafi Project Manager المهندس رويد عطافي مدير المشروع

Project: Construction of King Abdullah bin Abdulaziz New Airport in Jizan مشروع إنشاء مطار الملك عبد الله بن عبد العزيز الجديد بجازان

Project Contractor: SAFARI Company ("Contractor") شركة سفاري ("المقاول")

Supervising Consultant: Euro Consult ("Consultant") شركة يوروكونسلت ("الاستشاري")

Contract No. (ط - 14 - 136 - ب ف - 0) عقد رقم: (ط - 14 - 136 - ب ف - 0)

Subject: Recommendation to Approve Additional Glazing and Aluminum Works Supplier and Installer – AMG توصية بالموافقة على شركة AMG لتوريد وتركيب أعمال تكسيات الألومينيوم والزجاج

Dear Sir,

تحية طيبة وبعد،

We write regarding the above-referenced subject and to the following:

نكتب إليكم بشأن الموضوع المذكور أعلاه، وفيما يلي:

- Consultant's Letter reference no. LTR-EURO-CLU2-MM-2355 received on 11<sup>th</sup> May 2025.

- خطاب الاستشاري رقم LTR-EURO-CLU2-MM-2355 المستلم بتاريخ 11 مايو 2025.

After thorough assessment of the prequalification documents and the Supervision Consultant's recommendation, PMC notes that the proposed additional supplier, AMG, based in Dammam, is one of KSA's leading glazing and extruded aluminum manufacturers, supplier, and installer. Their products have been approved and used in different large-scale projects in Saudi Arabia.

بعد تقييم شامل لوثائق التأهيل المسبق وتوصية استشاري الإشراف، تُشير شركة استشاري إدارة المشاريع إلى أن المورد الإضافي المقترح، شركة AMG، ومقرها الدمام، هي إحدى الشركات الرائدة في المملكة العربية السعودية في تصنيع وتوريد وتركيب الزجاج والألمنيوم. وقد تم اعتماد منتجاتها واستخدامها في مشاريع واسعة النطاق مختلفة في المملكة العربية السعودية.

As part of the evaluation, a factory visit on 4th May 2025 was conducted to assess their manufacturing processes. The factory has the latest automated machines and resources that ensure the accuracy, quality, and timely delivery of the products.

كجزء من عملية التقييم، تمت زيارة المصنع في 4 مايو 2025 لتقييم عمليات التصنيع، يمتلك المصنع أحدث الآلات والمعدات الآلية التي تضمن دقة وجودة المنتجات وتسليمها في الوقت المحدد.

Considering the above factors, PMC has no objection with the evaluation of the Supervision Consultant and their recommendation to proceed with the approval of AMG as an additional supplier and installer of glazing and aluminum work requirements for the project.

وبالنظر إلى العوامل المذكورة أعلاه، فإن استشاري إدارة المشاريع ليس لديها أي اعتراض على تقييم استشاري الإشراف وتوصيته بالمضي قدماً في الموافقة على AMG كمورد ومثبت إضافي لمتطلبات أعمال الزجاج والألمنيوم للمشروع.

Sincerely

مع كامل التقدير،

Christos Grigorakis

كريستوس غريغوراكيس

Project Director

مدير المشروع

Airport Engineering Services

إيربورت انجنييرنج سيرفيسز الدولية

airportengr.com



Attachment:

Euro Consult's Letter ref. LTR-EURO-CLU2-MM-2355 dated 11 May 2025

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This document has been prepared by AES for sole use of our client (the "Client") in accordance with generally accepted consultancy principles, the budget for fees and the terms of reference agreed between AES and the Client. Any information provided by third parties and referred to herein has not been checked or verified by AES, unless otherwise expressly stated in the document. No third party may rely upon this document without the prior and express written agreement of AES.

Date: 12/11/1446

Date: 10/05/2025

التاريخ: ١٤٤٦/١١/١٢ هـ

الموافق: ٢٠٢٥/٠٥/١٠ م

الرقم: LTR-EURO- CLU2-MM-2355

صورة مع التحية إلى: سعادة مساعد الرئيس التنفيذي للمشاريع بشركة تجمع مطارات الثاني المحترم  
CC: compliments to: Assistant CEO for Projects at the Second Airports Cluster Company

صورة مع التحية إلى: سعادة مدير عام تنفيذ المشاريع بشركة تجمع مطارات الثاني المحترم  
CC: Director General of Project Implementation at the Second Airports Cluster Company

صورة مع التحية إلى: سعادة مدير مشروع مطار الملك عبد الله بن عبد العزيز بجازان (الجديد) المحترم  
CC: Director of the King Abdullah bin Abdulaziz Airport Project in Jazan (New)

السادة: شركة AES (مشروع تقديم الخدمات الاستشارية لإدارة المشاريع (PMC)) المحترمين  
Dears: AES (Project Management Consulting Services (PMC))

المشروع: إنشاء مطار الملك عبد الله بن عبد العزيز بجازان (الجديد)  
Abdulaziz Airport in Jazan (new)

الموضوع: التقديمات الفنية لتأهيل شركة رابعة لتوريد (ALUMINUM & GLAZING WORKS)

Subject: Technical submissions for A fourth supplier (ALUMINUM & GLAZING WORKS)

With reference to the above-mentioned subject,  
and to the letter from GACA No.

1441/16120/17/10 dated 20/02/2024 regarding  
the approval of companies for Aluminum &  
Glazing Works,

please find attached a copy of the file submitted  
for the approval of a fourth company to supply  
Aluminum & Glazing Works, received from the  
contractor – Safari Ltd. The file includes:

1. A copy of the companies' evaluation prepared by the consultant.
2. The qualification documents for the companies (Aluminum & Glazing Works).

بالإشارة إلى الموضوع المذكور أعلاه، وإلى خطاب السادة

الهيئة العامة للطيران المدني رقم 1441/16120/17/10

بتاريخ ٢٠٢٤/٠٢/٢٠ والخاص باعتماد شركات

(ALUMINUM & GLAZING WORKS)

نرفق لسعادتك نسخة من الملف الخاص باعتماد شركة رابعة

لتوريد أعمال ALUMINUM & GLAZING

(WORKS) المستلمة من المقاول - شركة سفاري المحدودة

وتشمل:

١- نسخة من تقييم الشركات من قبل الاستشاري

٢- الملفات التأهيلية للشركات (ALUMINUM &

GLAZING WORKS)

N. O	Transmittal	SUPPLIERS-APPLIER	MANUFACTURER
1	POP-PROC-AR-0172-Rev00	AMG	AMG

Upon reviewing the submitted documents, we found them to be in compliance with the project specifications. We would also like to clarify that a site visit to the factory was conducted by the Owner's Representative, the Project Management Consultant, the Project Consultant, and the Contractor to assess the production capacity and manufacturing quality, and the outcome was satisfactory to all parties involved.

Given the company's demonstrated capability to ensure a smooth supply of ALUMINUM &

ویمراجعة الأوراق المقدمة وجدت أنها مطابقة لمواصفات

المشروع، كما نود التوضيح أنه تم عمل زيارة للمصنع من

قبل ممثل المالك واستشاري إدارة المشاريع و استشاري

المشروع والمقاول للوقوف على الطاقة الإنتاجية وجودة

التصنيع وكانت مرضية لجميع المعنيين ونظرًا لما تتمتع به

من قدرة على التوريد السلس لأعمال ALUMINUM &



Riyadh: Sericon Building No. 15 office 502 Al-Olaya Street, 1195 Riyadh-11431 ☎ (966) 11 475 66 55 ☎ (966) 11 475 66 99

Jeddah: King Road Tower Office No. 808 King Abdulaziz, 3675 Jeddah 23412 ☎ (966) 12 692 76 45 ☎ (966) 12 692 83 46

Dammam: 4902 King Faisal Road Office 18 Al-Mazrouiya, 32414 Dammam 6366 ☎ (966) 13 80 20 948 ☎ (966) 13 80 20 948



### New King Abdullah Bin Abdulaziz International Airport, Jazan

Date	23/Apr/2025	Document Type	Transmittal No					
		<b>PRE-QUALIFICATION</b>	PQP-PROC-AR-0172			Rev	00	
To	EURO CONSULT	Transmittal Title	Department					
From	SAFARI		QA/QC	QS	Tech	Proc	Cons	PC
For	Approval Information	<b>ALUMINIUM &amp; GLAZING WORKS</b>	Discipline					
			CW	ST	AR	ME	EL	GN

**SAFARI USE**

Item No.	Discipline	Item Description	FIRM	Document Reference	Rev.	No. of Copies
1	AR	Aluminium & Glazing Works	AMG	N/A	00	03

Department Head	SAFARI	SAFARI		Attachments	
Ahmed Souhail				Items	Qty
Date				Hardcopy	03
Project Director				Softcopy	01
Mousa Ahmad Al Gara			Ref Doc		
Date					

**EURO CONSULT USE**

Item #	1								
Code	2-B								
Action Code		Remarks:							
1.A	No Exceptions Taken	a) Installation shall only proceed when Action Code is 1 or 2.							
2.B	Make Corrections as Noted	b) Action Code 3, shall be resubmitted within time limit set in the contract.							
3.C	Amend and Resubmit	c) Review does not relieve the Contractor from Responsibility of Compliance with all requirements of contract documents.							
4.D	Rejected	d) Transmittal shall be considered CLOSED on 1.A, 2.B, 4.D & 5.E and OPEN on 3.C							
5.E	For Information Only								

**EURO CONSULT COMMENTS**

1. Approved as per the attached document and CD.
2. There is an expired certificate that needs to be renewed and provided, {General Authority of Zakat and Tax, and ISO9001- 2015}, before starting work.
3. Final approval after the owner's approval.
4. Review does not relieve the contractor from responsibility for compliance with all requirements.

EURO CONSULT	DISCIPLINE	NAME	SIGN	EURO CONSULT REP	ATTACHMENTS		
	ARCH				Items	Qty	
	CIVIL						
	ELEC						
	MECH						
	STRUCT						



# KHAZZAN DATA CENTER

BY: EDGNEX

CONSULTANT: SALFO  
MAIN CONTRACTOR: STERLING AND WILSON

+966 13 812 7776

alu@amg-metal.com

www.amg-metal.com

2<sup>nd</sup> Industrial Area, Dammam, KSA







# SAHAYEB TIER III DATA CENTERS (DC1/DC2/DC3)

By: SAHAYEB

Consultant: EDARAT GROUP  
Main Contractor: BK GCC

+966 13 812 7776

alu@amg-metal.com

www.amg-metal.com

2<sup>nd</sup> Industrial Area, Dammam, KSA





(Project Approvals)

<b>OWNER</b> 	<b>EPC</b> 	<b>CONSULTANT</b> 	<b>CONTRACTOR</b> 
------------------	----------------	-----------------------	-----------------------

**PROJECT NAME: SAHAYEB TIER III DATA CENTERS\_DAMMAM (PHASE I)**

e of Document : DOCUMENT SUBMITTAL  
 mittal Number : SAHAYEB-DM1-P1-DOC-AR-0020 Rev. 01  
 ived Date : 28-05-2023  
 ipline : Architectural  
 rned Date : 06-06-2023  
 ject : Pre-Qualification for Façade work by AMG.  
 cription :  
 iews : 2 (Max. Acceptable reviews: 3)

SITES	
DC/DM-1	✓
DC/DM-2	✓
DC/DM-3	✓

A Approved     B Approved as Noted     C Revise and Resubmit     D Rejected     E No Action  
 hitect / Engineer's & EHS review is for general conformance with the design intent and contract documents. Markings  
 nments shall not relieve the Contractor / Subcontractor from compliance with the project plans and specifications,  
 riations therefrom. The Contractor / Subcontractor remains responsible for details and accuracy.

**Comments:**

- Approved subject to the followings:**
  - Material approval for each item in the glazing works
  - SDs for review and approval
  - Factory performance tests for the air tightening and water leak prior material delivery to the project (Factory Performance Mock-up)
  - Warranty certificate to be from the date of the project's hand-over.
- Approved as Noted



<b>EDARAT</b> <b>PRINCIPAL CONSULTANT/SITE CONSULTANT:</b> Arch/Civil <input type="checkbox"/> Electrical / Mechanical <input type="checkbox"/> EHS Name: Gouda Ahmed/Mustafa Al Asmar	<b>CUNDALL</b> <b>LEED CONSULTANT:</b> <input type="checkbox"/> Arch/Civil <input type="checkbox"/> Electrical / Mechanical Name:
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------

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alu@amg-metal.com

www.amg-metal.com

2<sup>nd</sup> Industrial Area, Dammam, KSA





# SECURITY FORCES MEDICAL CENTER

BY: M O I

CONSULTANT: MANENS-TIFS  
MAIN CONTRACTOR: ABV ROCK

+966 13 812 7776

[alu@amg-metal.com](mailto:alu@amg-metal.com)


[www.amg-metal.com](http://www.amg-metal.com)

2<sup>nd</sup> Industrial Area, Dammam, KSA








(Project Approvals)



DCC-MI-DC-SP-F-0005a\_04

 <b>Manens-Tifs</b> INGENIERIA	 Ministry of Interior, KSA	 ABV ROCK GROUP
-----------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------

Project Name: Security Forces Medical Center      Ref. No: MI-AA-A0-B00.00-A0-SQ-114      00 01 A  
 Contract No.: 1/53/34/53      Location: PKA - Riyadh      Date: 24 NOV 2019  
 Bldg Name: General Site

**SUPPLIER/VENDOR APPROVAL**

New Submittal      Submittal No. \_\_\_\_\_      Submittal Date: \_\_\_\_\_  
 Resubmittal      Submittal Date: \_\_\_\_\_      Prev Subm. Date: 25 SEP 2019  
 Issue for Construction      Submittal No. \_\_\_\_\_      Submittal Date: \_\_\_\_\_


**PURPOSE OF SUBMITTAL:**     For Information       For Comments       For Approval  
 Previous Action Code       Action Code

**DISCIPLINE:**  
 Architecture     Civil     Structural     Mechanical     Electrical     Medical Eqpt     Others

**ATTACHMENT:**  
 Catalogue     Drawing     Certificate     Sample     Tech. Data     Calculation

**MECHANICAL EQPT:** *Note: Please use the attachment in case items are more than the provided space*  
 Remarks: \_\_\_\_\_

SN	Name and Description	Origin	Spec. Ref.	Standard	Approval
1	Supply and Installation of Curtain Walls, Stick / Unitized Facade System and Aluminum Doors	KSA	See 5199 B	See 5199 B	Approved



**Contractor's Remarks:** We clarify that above submittal is strictly adhered with contract Specification except otherwise as stated below.  
**Exceptions:** \_\_\_\_\_


**Contractor Representative:**  
 Name: Mohammed Al Rashidi  
 Signature: \_\_\_\_\_      Date: 24/11/19  
 Position: Procurement & Material Dept. Manager

**Client's Comments:**  
 1) The Subcontractor is **approved only** for curtain walls stick/unitized facades for the Hospital -  
 2) The Engineer' approval is conditioned to the fully Subcontractor' acceptance of the dedicated Contract Specifications.  
 3) The Engineer' approval formalizes that the Subcontractor has chosen to provide facades with SCHUCO system as part of the approval process. SHUCO shall provide all the technical assistance as written into a dedicated document attached to this submittal

<b>CLIENT'S REPRESENTATIVE</b> Name: _____      Position: _____ Signature: _____      Date: _____	<b>MOI-SECURITY FORCES MEDICAL CENTER</b> Date: _____ Signature: _____ Name / Signature: _____
---------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------

**Approval Status:**  
 **Approved**      **B - APPROVED AS NOTED**      submit for Approved (submital Required)  
 carlo.migliora , 28/11/2019, 10:42:57

Rejected

**Received by Cli:**  
 Name: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
  
 kenneth.wells , 28/11/2019

**Received by Contractor (Out):**  
 Name: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

with Stamp      Contractor: Original      Page 1 ( )

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2nd Industrial Area, Dammam, KSA

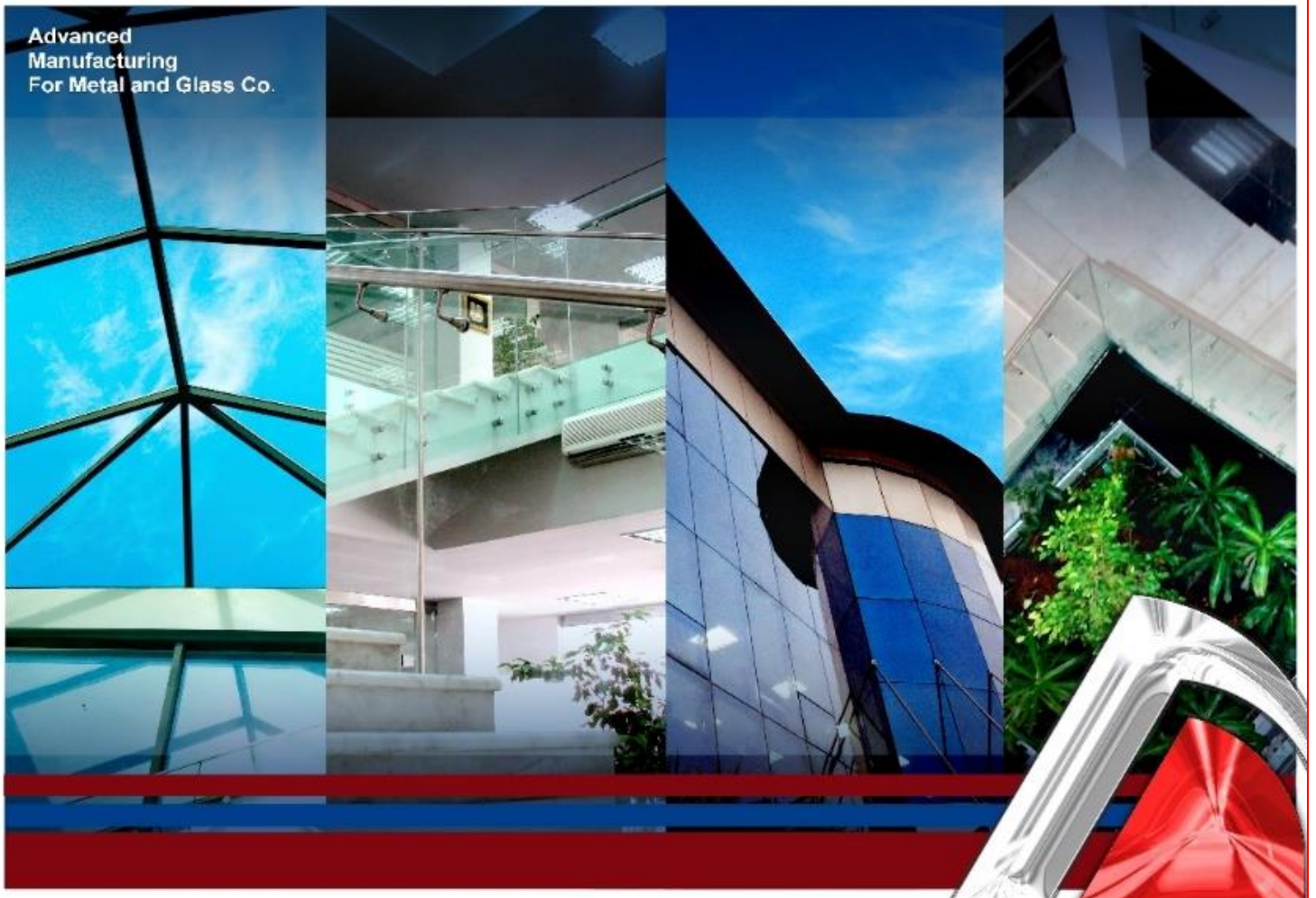




# FACILITIES & EQUIPMENT



Advanced  
Manufacturing  
For Metal and Glass Co.





(Facilities)

<b>Curtain wall capacity per year</b>	250,000 m <sup>2</sup>
<b>Factory total production area</b>	15,000 m <sup>2</sup>
<b>Facility for design and engineering</b>	Available
<b>Testing Centre</b>	By outsource
<b>System use</b>	Schueco, Reynaers, Aluman, Alupco, EFP, Gutmann
<b>Structural-thermal-acoustic-LEED specialist</b>	Yes
<b>Factory Divisions</b>	
<b>Warehouse / Storage:</b>	
Storage area	3,500 m <sup>2</sup>
Workers	5
Materials	Aluminum Profiles, Glass, Sealants, ACP, Accessories, etc.
<b>Aluminum Composite Panel Division</b>	
Total Area	1,000 m <sup>2</sup>
Workers	14
Machinery	XYZ CNC Panel Builder (1) Cutting Machines (Elumatec) Rolling Machines (SAHINLER-230223)
<b>Façade CNC Machining Division</b>	
Total Area	3,000 m <sup>2</sup>
Workers	60-80
Machinery	OEMME – AS 221 GA - Thermal Break Assembly Machine (1) ELUMATEC - 5-axis Profile Machining Center (1) EMMEGI - Double Degree Cutting Machine-(1) ELUMATEC - Double Head Cutting Machine (2) EMMEGI – Milling Machine (2) EMMEGI - Single Head Cutting-off Machine (1) ELUMATEC -Manual Single axis Milling Machine (2) ELUMATEC- Manual Double Axis Milling Machine (1) ELUMATEC- Automatic Table Saw (2) ELUMATEC- Notching Machine (3) ELUMATEC - Cutting Machine (2) THOMAS - Cutting Machine (2) PBT 25- Profile Bending Machine (1) BEST MAKINA -Silicon Injection Machine (1) BEST MAKINA - Rotating Table Machine (1) ELUMATEC -Crimping Machine (2) REYNAERS - Hydraulic Press Machine (2) UNIVERSAL - Press Drilling Machine (3) DRILL MASTER -Press Drilling Machine (1) UNIVERSAL 10" Table Saw (1)

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(Facilities)

	UNIVERSAL - Wrapping Machine (1)
<b>Façade Assembly Division:</b>	
Total Area	4,000 m <sup>2</sup>
Unitized curtain wall panel system	10,000 m <sup>2</sup> /month
Stick curtain wall panel system	15,000 m <sup>2</sup> /month
<b>Steel/Welding Division</b>	
Total Area	2,000 m <sup>2</sup>
Workers	20
Capacity	60,000 to 80,000 kg/month
Machinery	LOYAL Mac Plasma Machine o6o (1)
	Water Jet TEXA-00077457 (1)
	Laser Machine - ERMAK 18879-n8v654 (1)
	Laser Machine – HSG (1)
	Nibbling Machine EUROMAC MR01063530 (1)
	Shark Bandsaw 281 /260 (2)
	Chenlong Metal Band - Sawing Machine (1)
	Universal Punch Machine- SAHINLER (1)
	EDWARD Punch Machine (1)
	Lathe Machine Koppings Mekaniska (1)
	Drill Press (6)
	Welding Stations (5)
<b>Cutting / Bending Division</b>	
Total Area	1,000 m <sup>2</sup>
Workers	10
Capacity	5,000 m <sup>2</sup> /month
Machinery	CNC DURMA Bending Machine (1)
	CNC ERMAC Bending Machine (1)
	Shearing Machine DURMA (1) / Shearing Machine ERMAC (1)
<b>Logistics Division</b>	Workers : 10
<b>Quality Control Division</b>	QA/QC: 6
<b>Survey Team</b>	Surveyor: 3
<b>QMS</b>	Yes
<b>ISO</b>	Yes

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(Facilities)

Operating in a facility area of 21,000 m<sup>2</sup>. The designated zone for the production area is 10,500 m<sup>2</sup>, and the rest of the area is a supporting area for material movement.



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(Facilities)



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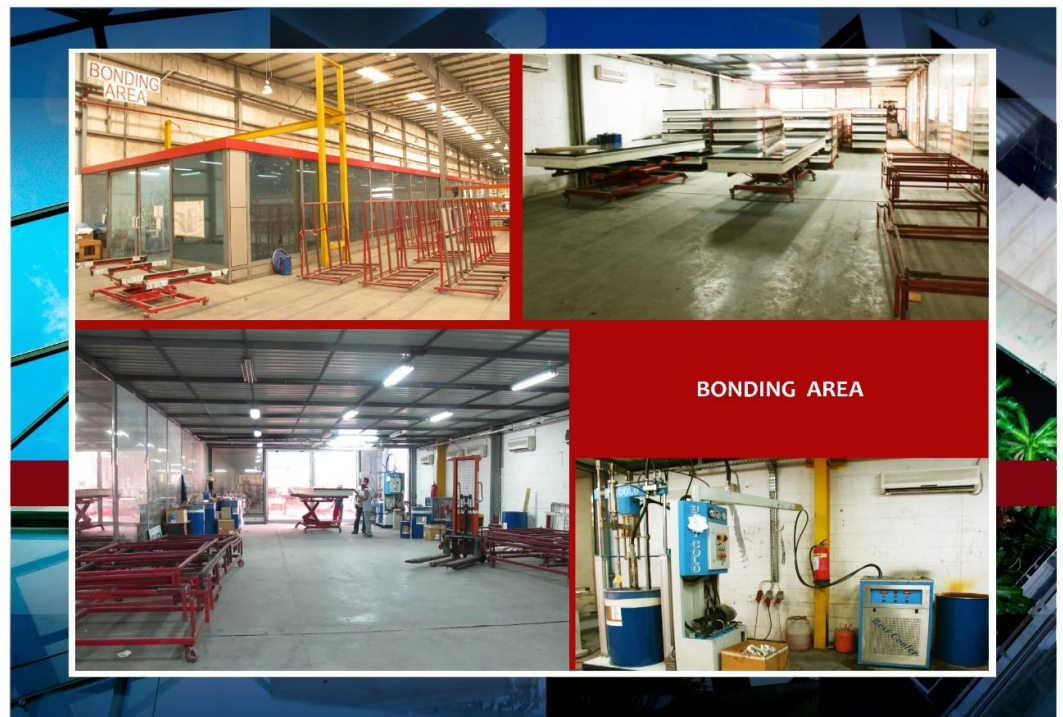


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(Facilities)



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(PREQUALIFICATION CATALOGUE 2026)



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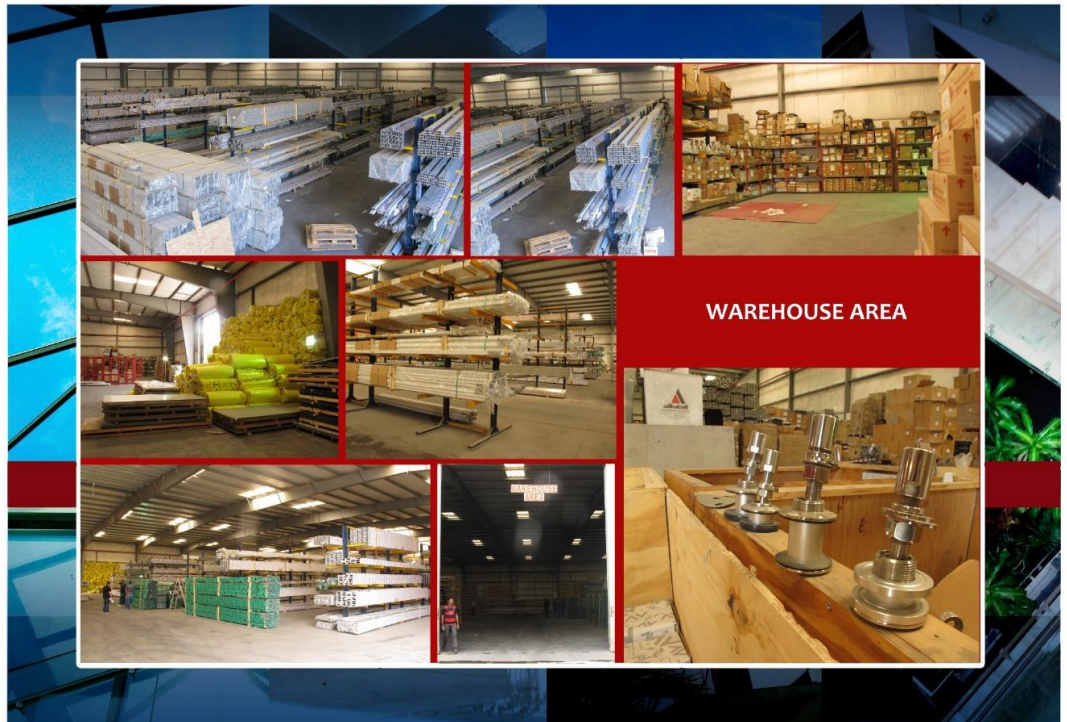
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(Facilities)



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(Major Equipment)



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(MAJOR EQUIPMENT)



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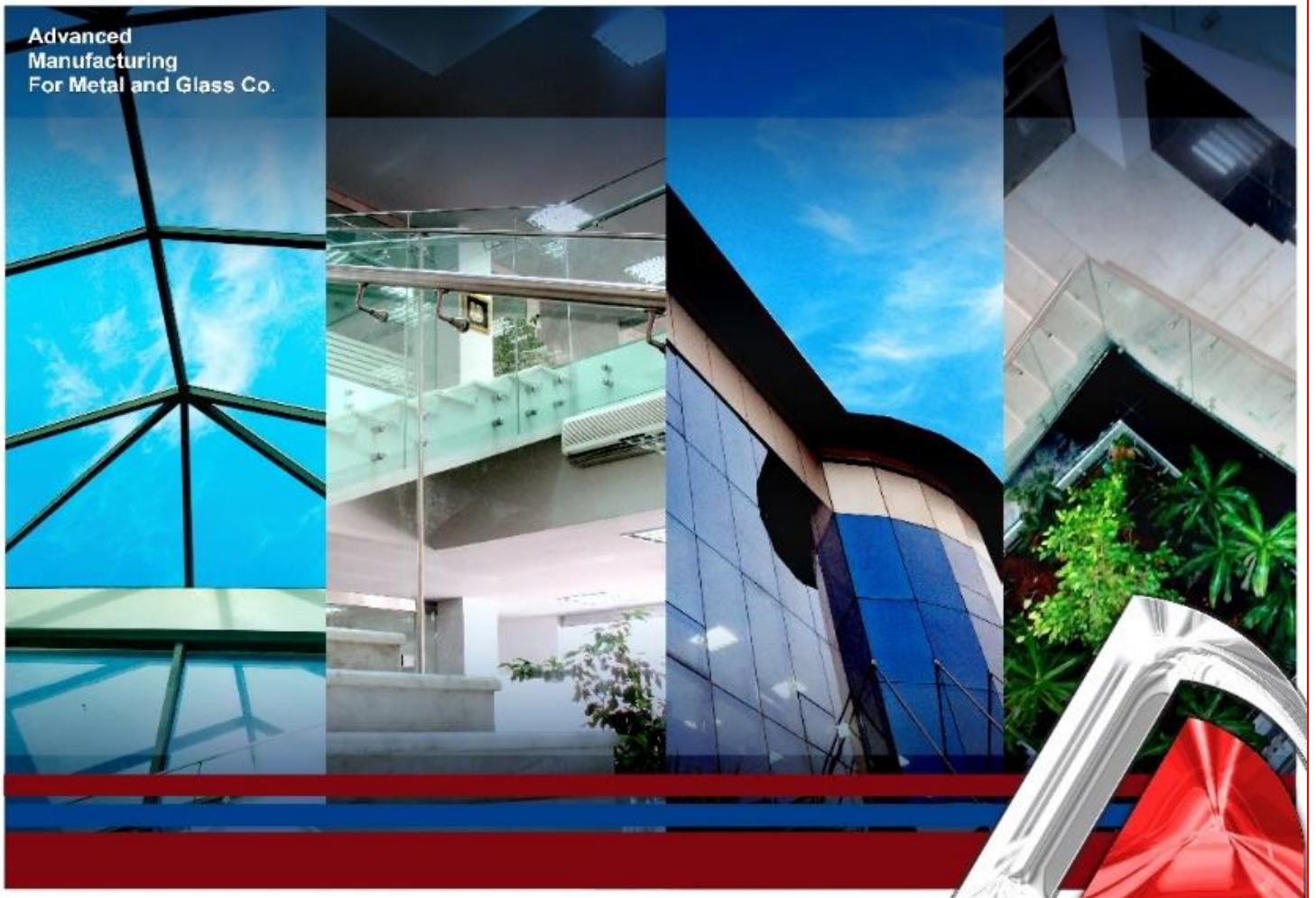




# PROJECTS REFERENCES



Advanced  
Manufacturing  
For Metal and Glass Co.





(MAJOR COMPLETED PROJECTS)

CLIENT/CONTRACTOR	PROJECT NAME	AMOUNT (SAR)	SCOPE	LOCATION
Tharouk Contracting	Bamarouf Building	12,200,00	Cladding, Curtain Wall, Louver, Frameless partitions	Jeddah
Al Kifah Contracting	Al Kifah Tower	5,694.832	CW, Cladding, Canopy, and Frameless	Khobar-Dammam
A.Al-Syed Con. Group	Al Amal Hospital	2,668,854	Doors, Window, Curtain Wall	Dammam
Al Joudah Contracting	College of Medical Science – Al Jouf University	7,139,345	CW, Cladding, Doors & Windows	Jouf
Al Joudah Contracting	Faculty of Society – Al Hail University	6,185,313	CW, Cladding, Doors & Windows	Hail
Al Joudah Contracting	Faculty of Science – Al Baha University	6,037,939	CW, Cladding, Doors & Windows	Baha
Khaled Est. Gen. Contr.	Medical Tower	6,572,547	CW, Cladding, Doors & Windows	Jouf
Saudi Bin Ladin Group	(KSU) Research Center	10,246,483	CW, Cladding, Skylight, Doors & Windows	Riyadh
Saudi Bin Ladin Group	(KSU) Girl's Housing	11,311,151	CW, Cladding, Doors, & Windows	Riyadh
Four Corners Contracting	AACC New Facilities Bldg.	4,341,281	CW, Cladding, Doors & Windows	Jeddah
MASCO	Unaizah University (Qassim)	6,074,557	CW, Cladding, Doors & Windows	Unaizah
Al Qussie International	Technical Science for Girls	4,577,823	CW, Cladding, Doors & Windows	Dammam
Dar Al Khayoul Contractingq	Al Othaim Mall	9,970,800	CW, Cladding, Doors, & Windows	Dammam
Drake & Skull / ARAMCO	UPDC Building	7,501,025	CW, Canopy, and Frameless	Dhahran
Al Hokair Contracting	Mall of Arabia	36,426,269	CW, Cladding, Skylight, Doors & Windows	Jeddah
IBS	Samsung Naffora Techno Valley	2,073,522	CW, Cladding, Doors & Windows	Jubail
Al Subeaei Contracting	Al Fanar Tower / Jacobs Zate	6,065,458	CW, Cladding, Doors & Windows	Khobar
ARCON	Baker Hughes Tech. Center	1,387,551	CW, Cladding, Doors & Windows	Dhahran
United Arabian Company	Al Noaimy Tower	1,967,267	CW, Cladding, Doors & Windows	Jubail
Maliki Contracting	Al Jarbough Tower	2,929,583	CW, Cladding, Doors & Windows	Khobar
Al Joudah Contracting	Water Tank Tower	9,698,190	CW, Cladding, Doors & Windows	Khamis Mushayt

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(MAJOR COMPLETED PROJECTS)

Damac Properties Co. Ltd	Al Jawhara Tower	20,028,792	CW, Cladding, Doors & Windows, Canopy	Jeddah
Damac Properties Co. Ltd	Exclusiva Tower Towers	42,548,784	CW, Cladding, Doors & Windows, Canopy	Riyadh
Safari Company	Al Jouf University	6,380,922	CW, Cladding, Doors & Windows	Jouf
DSCC	Rafal Living Tower	52,000,000	CW, Cladding, Doors & Windows	Riyadh
Marco	Taif University		CW, Cladding, Doors & Windows	Taif
Al Joudah Contracting	Arar Airport		CW, Cladding, Doors, Windows, Partitions	Arar
Al Manar Contracting	National Guard Building		CW, Cladding, Doors & Windows	Dammam
Jamal Al Jaroudi Group	Al Qassim Museum		CW, Cladding, Doors & Windows	Qassim
The Palms	Admin Building		CW, Cladding, Doors & Windows	Riyadh
IKK Group	Sulai Office Building		CW, Cladding, Doors & Windows	Sulai, Riyadh
Gulf Builder	Modon – 84 Factories		CW, Cladding, Doors & Windows	Dammam
Alupco	MOI-SFMC – Border Housing		Doors, and Windows	Jizan
Sterling & Wilson – EDGNEX	Data Center		CW, Doors/Windows, Louvers, Cladding	Dammam-Spark
BK GCC	Data Center – Modon		CW, Cladding, Doors & Windows	Dammam
BK GCC	Data Center – Al Anwar		CW, Cladding, Doors & Windows	Dammam
BK GCC	Data Center – Al Waha		CW, Cladding, Doors & Windows	Dammam

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(MAJOR COMPLETED PROJECTS)



EDGNEX - Khazzan



ARAR Airport – Arar

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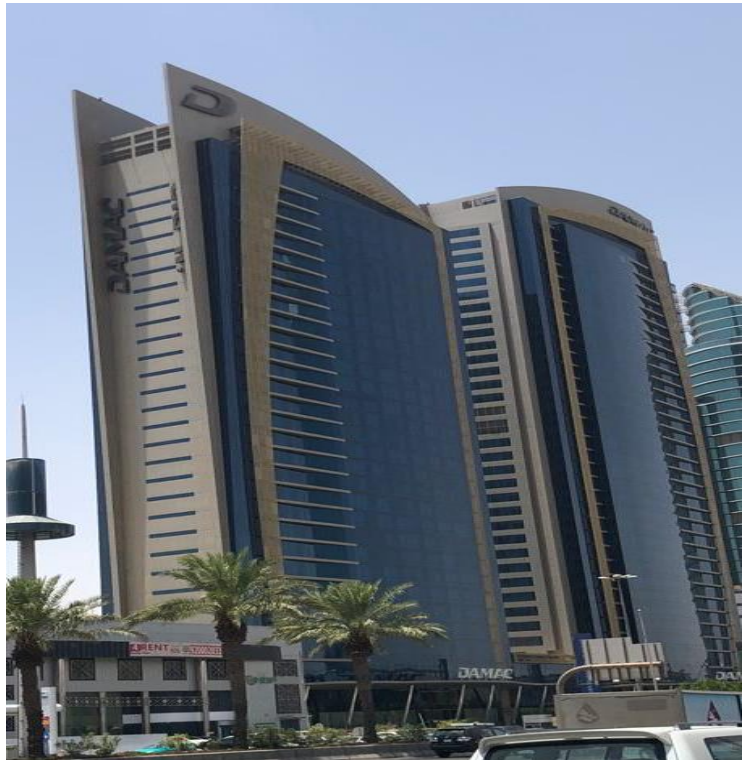




(MAJOR COMPLETED PROJECTS)



Al Jawhara Tower (Jeddah)



Damac Twin Towers (Riyadh)

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(MAJOR COMPLETED PROJECTS)



Water Tank Tower – Khamis Mushayt



Al Baha University - Baha



Mall Of Arabia (Jeddah)

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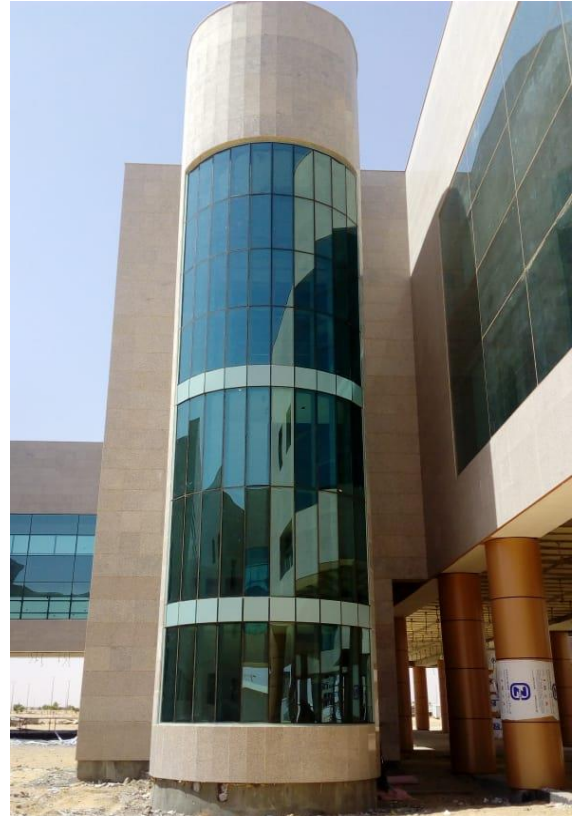




(MAJOR COMPLETED PROJECTS)



Al Jarbo Tower - Khobar



Al Jouf University - Jouf



National Guard Housing - Dammam

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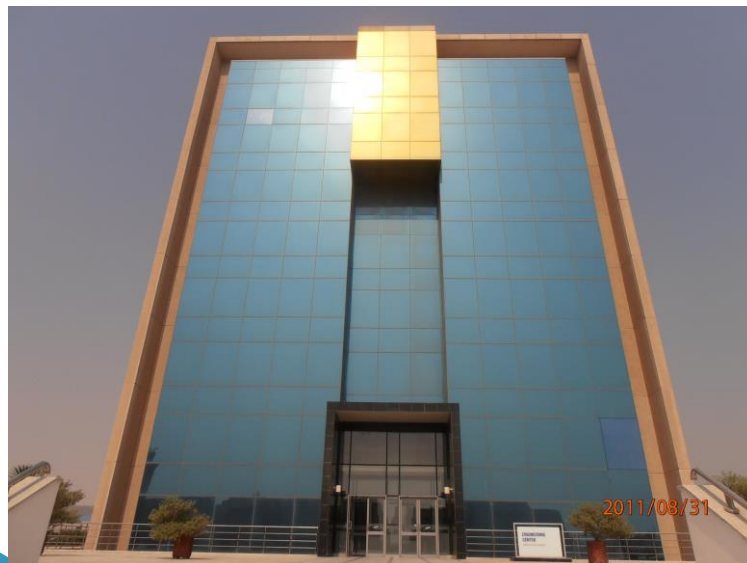
(MAJOR COMPLETED PROJECTS)



Al Kifah Tower – Khobar



Al Fanar Tower - Khobar



Samsung Office – Jubail (Naffora)

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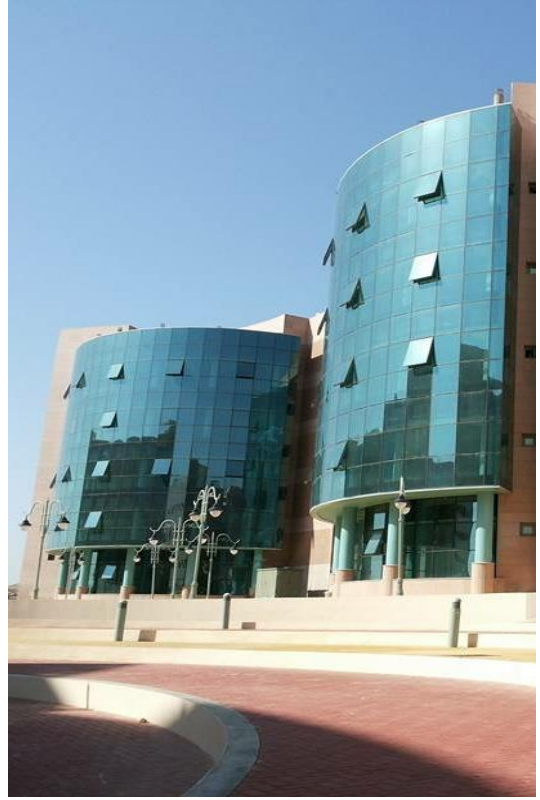




(MAJOR COMPLETED PROJECTS)



Al Rafal Living Tower – Riyadh



Al Jouf University - Jouf



Sabic GreenHouse - Riyadh

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Medical Tower - Jouf



AACC Building - Jeddah

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UPDC-ARAMCO - Dhahran



Sehamiya Tower - Khobar

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(MAJOR COMPLETED PROJECTS)



Sahayeb Data Centers (DC1, DC2, DC3) - Dammam

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(Ongoing Projects)

CLIENT/CONTRACTOR	PROJECT NAME	SCOPE	LOCATION
Safari Group	Jazan International Airport	Aluminum Works (Columns/Walls/Ceilings)	Jazan
El Seif Contracting/Aramco	Tanajib Residential Complex	Aluminum and Glazing Works	Tanajib
Red Sea Global (Alupco)	Shura (C-25) Dune and Waterside Villas	Aluminum and Glazing Works	Red Sea
BEC	Bustan Innovative Business Park	Facades – Aluminum and Glazing Works	Riyadh

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# PRODUCT SPECIFICATIONS



Advanced  
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(Product Specification)

**AMG's curtain wall systems, doors, and windows are engineered, designed, and tested in full compliance with international standards, ensuring superior performance, durability, and aesthetic excellence.** Our comprehensive range of fully integrated aluminum profile systems allows for the fabrication of both individual and composite units, offering maximum flexibility to meet diverse architectural designs and precise client requirements.

The systems conform to widely recognized European and international standards across all aspects, including design, fabrication, surface finishing, glazing, and hardware integration. All works are executed under strict quality control procedures, supported by skilled and well-trained installation teams to ensure efficient and reliable project delivery.

### **Curtain Wall Systems**

AMG provides both stick-built and unitized curtain wall systems, featuring factory-fabricated, pre-glazed panels for faster installation, superior quality, and excellent structural, thermal, and weather performance—ideal for high-rise projects.

### **ACP Aluminum Cladding**

Our Aluminum Composite Panel (ACP) cladding systems offer lightweight, durable, and aesthetically versatile façade solutions. Designed for exterior and interior applications, ACP provides excellent flatness, weather resistance, and a wide range of colors and finishes to enhance building appearance.

### **Glazing & Performance**

Systems accommodate glazing from 4 mm to 24 mm or other infill materials, using secure fixing methods. All units are sealed with EPDM gaskets to ensure air and water tightness, with integrated drainage systems for effective water management.

### **Doors, Windows & Hardware**

Precision-engineered and fully weather-sealed, with a complete range of quality hardware including hinges, handles, locks, panic devices, and door closers. Aluminum insect screens are available as required.

### **Louvers & Skylights**

Aluminum louvers provide effective sun control and ventilation, available in fixed or operable options. Skylight systems maximize natural daylight while ensuring strength, insulation, and weather resistance.

### **Mashrabiya (Decorative Screens)**

Custom aluminum mashrabiya panels combine traditional design with modern performance, offering shading, privacy, and distinctive façade aesthetics.

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2<sup>nd</sup> Industrial Area, Dammam, KSA





(Product Specification)

## Our Products & Standards

AMG's products and façade systems are engineered and manufactured in strict compliance with internationally recognized standards including **ASTM, AAMA, EN, and BS**. Our commitment ensures superior quality, performance, safety, and long-term durability across all applications and environmental conditions.

## Standards Compliance

All systems are designed, fabricated, and tested in accordance with applicable standards such as **ASTM (American Society for Testing and Materials), AAMA (American Architectural Manufacturers Association), EN (European Norms), and BS (British Standards)**. This guarantees global acceptance, reliability, and adherence to project specifications.

## Performance

Our façade systems are engineered to meet stringent performance criteria in accordance with international standards, including:

- Structural performance.
- Air infiltration.
- Water tightness.
- Thermal performance.
- Acoustic insulation.

Each system is pre-tested to ensure durability and optimal performance under extreme weather conditions.

## Construction

Fabrication is carried out using advanced CNC machinery and precision engineering processes. System designs comply with international guidelines and best practices, ensuring consistency, accuracy, and efficient installation.

## Delivery & Protection

All materials and finished products are securely packaged using protective films, wraps, and reinforced supports. Handling and transportation procedures follow international best practices to ensure products reach the site in perfect condition.

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(Product Specification)

## Sealant

We use high-performance sealants compliant with **ASTM C920** and equivalent international standards, providing superior adhesion, flexibility, and resistance to UV exposure and environmental conditions for long-term sealing performance.

## Weather-Stripping

Weather-stripping systems utilize **EPDM gaskets** or equivalent materials, designed to meet **EN and AAMA** performance requirements for air and water tightness, ensuring enhanced insulation and protection.

## Materials

All materials used—aluminum profiles, glass, and aluminum composite panels (ACP)—comply with relevant standards such as:

- Aluminum: **EN 573 / ASTM B221** (equivalent)
- Glass: **EN 12150 / ASTM C1048** (equivalent)
- ACP: In accordance with international fire and performance standards

Materials are sourced from reputable global suppliers to ensure quality, durability, and compliance.

## Hardware / Accessories

Hardware components including hinges, handles, locks, rollers, and fittings are selected based on compliance with **AAMA and EN standards**, ensuring durability, corrosion resistance, and smooth operation over extended service life.

## Workmanship

All works are executed by skilled professionals in accordance with approved method statements and international workmanship standards. Strict quality control measures ensure high precision, consistency, and superior finishing.

## Drawings & Technical Documentation

Detailed shop drawings and technical submissions are prepared in line with international engineering standards. Documentation includes structural calculations, system details, and installation procedures to support project approvals and execution.

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# APPROACH TO PROJECTS



Advanced  
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(Approach to Projects)

### **1. Overall Planning & Control**

To ensure project schedules are achieved, costs are controlled, and maximum efficiency is maintained throughout all phases, AMG executes all activities in accordance with recognized standards such as **ASTM, AAMA, EN, and ISO** in close coordination with the Consultant:

- Comprehensive planning and scheduling of design, manufacturing, and fabrication activities
- Preparation and submission of material submittals in compliance with project specifications and applicable standards
- Coordination in the preparation of material requisitions aligned with approved materials and codes
- Development and timely delivery of detailed shop drawings in accordance with international standards
- Provision of engineering data, structural calculations, and installation procedures meeting ASTM, EN, and relevant codes
- Controlled and systematic release of approved drawings for production and execution

### **2. Engineering & Design**

The Engineering and Design Department is a core driver of AMG's technical excellence, ensuring all designs comply with **international façade engineering standards**:

- Estimation
- Design
- Costing
- Manufacturing Coordination
- Installation Coordination

All design outputs, including calculations and system details, are developed to meet requirements for structural integrity, air and water tightness, thermal performance, and durability as per applicable standards.

### **3. Production & Quality Assurance**

AMG maintains strict quality control procedures to ensure full compliance with **ISO quality standards**:

#### **Manufacturing:**

- Preparation of precise fabrication drawings in line with approved designs and standards

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(Approach to Projects)

- In-plant inspections to verify materials and components meet specified ASTM, EN, and project requirements
- Testing and verification processes to ensure performance compliance (air/water tightness, structural performance, etc.)
- Final quality inspection prior to delivery to ensure all products meet approved specifications and international standards

#### **4. Procurement & Transportation**

AMG ensures efficient procurement and logistics in accordance with project specifications and **international material standards (ASTM, EN, etc.)**:

- Timely delivery of all materials and products to site without compromising quality
- Coordination of loading, shipping, unloading, and inland transportation in line with project logistics plans
- Procurement of certified materials including hardware, weather-stripping, gaskets, and sealants compliant with AAMA, ASTM, and EN standards
- Ensuring all materials are properly stored, handled, and protected during transit and prior to installation

#### **5. Installation**

Installation works are carried out in strict accordance with **ASTM practices, and EN standards**, ensuring long-term performance and reliability:

- Execution by skilled installers under qualified Site Engineers and Project Managers
- Systematic installation sequence aligned with project specifications and approved method statements
- Accurate alignment, leveling, and secure fixing to structural openings
- Application of sealants, backing rods, and shims in compliance with ASTM and AAMA standards
- Final installation ensuring performance in terms of air/water tightness, structural stability, and durability

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# SYSTEM DRAWINGS



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# SLIDING SYSTEM

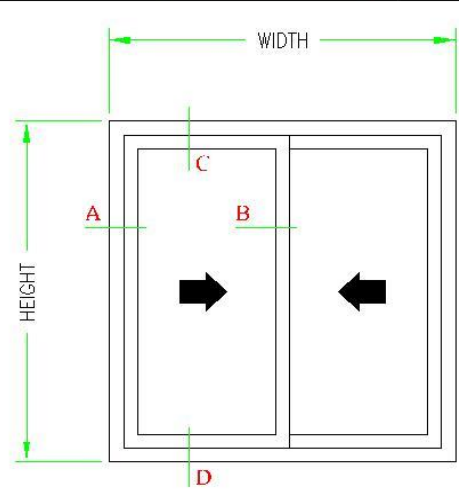
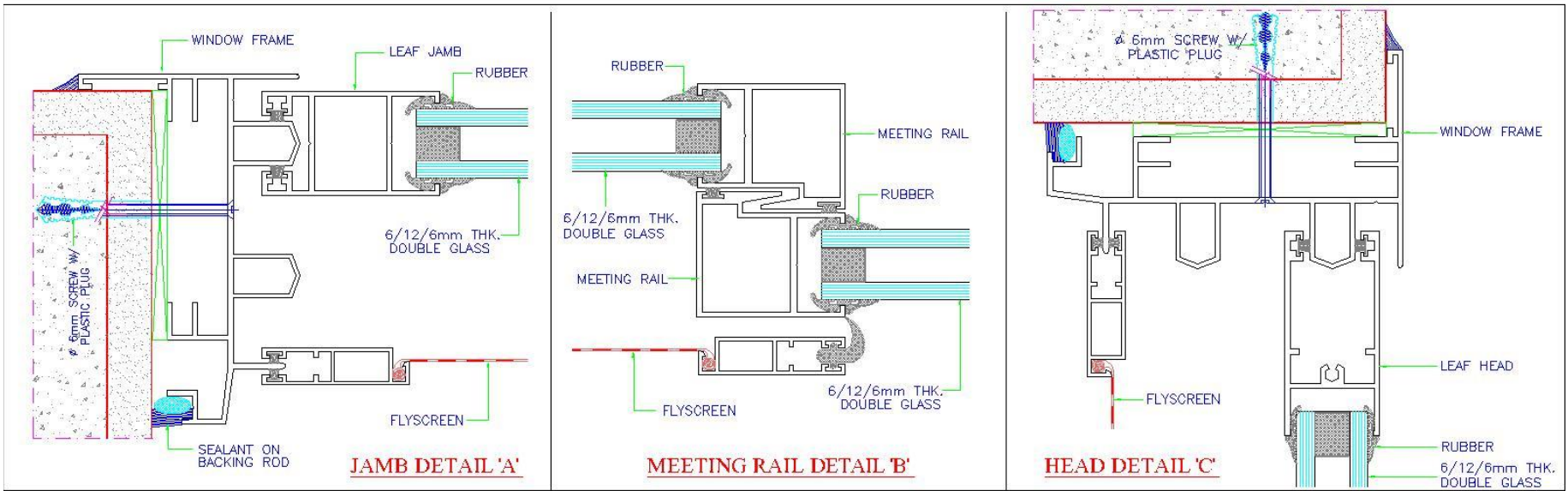
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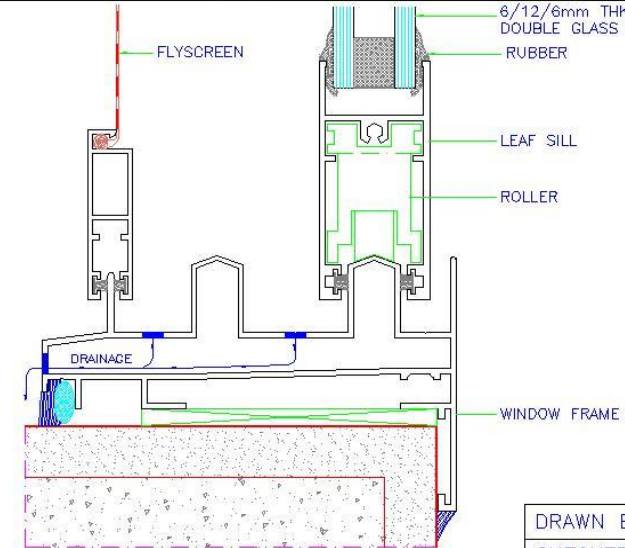
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**ELEVATION**

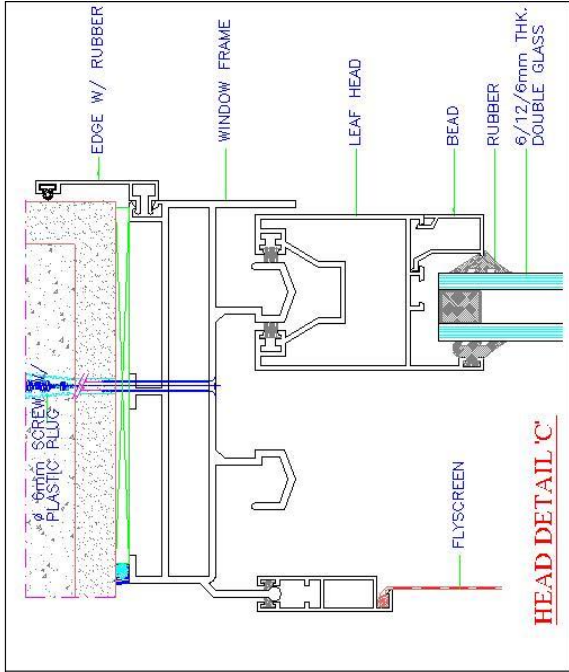


**SILL DETAIL 'D'**

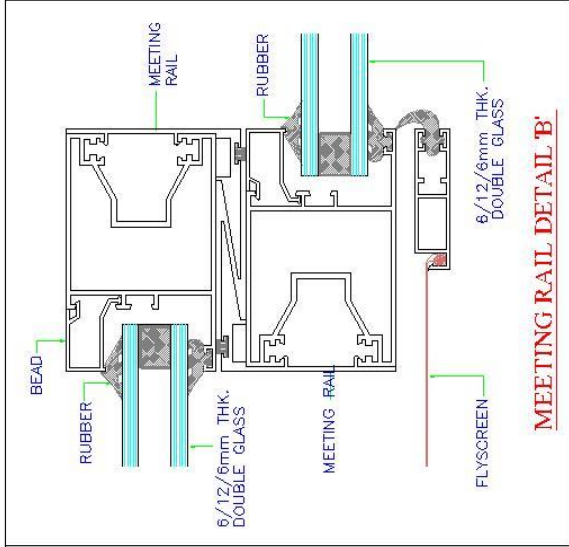
**12cm SLIDING SYSTEM**



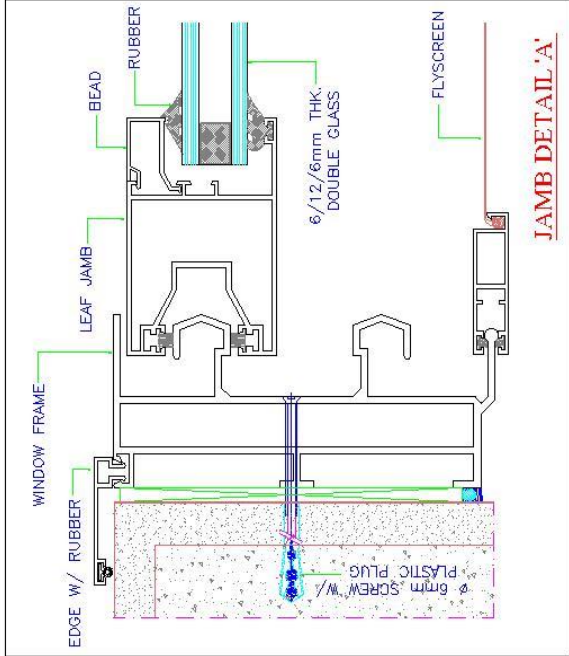
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CHECKED BY	
DATE	
SCALE	N.T.S.



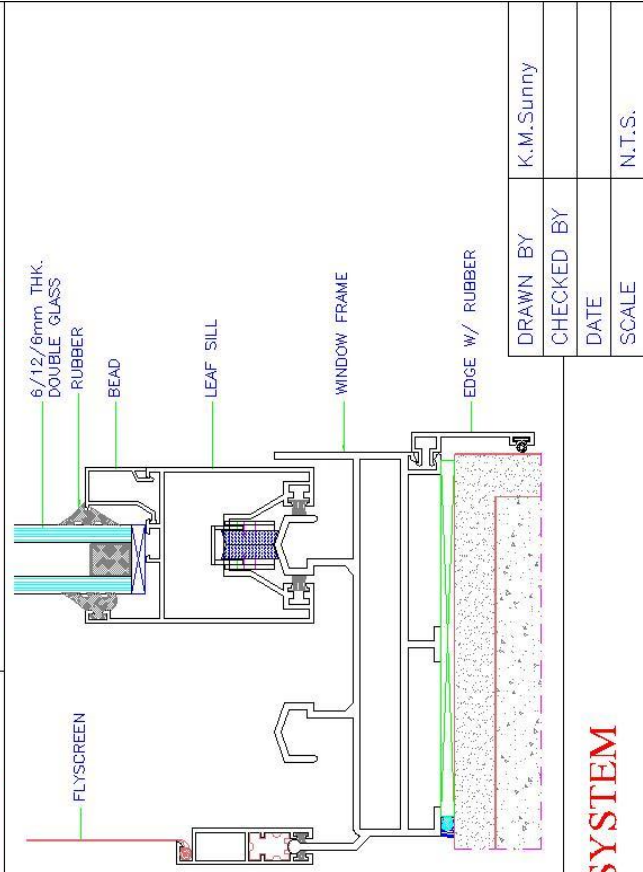
**HEAD DETAIL 'C'**



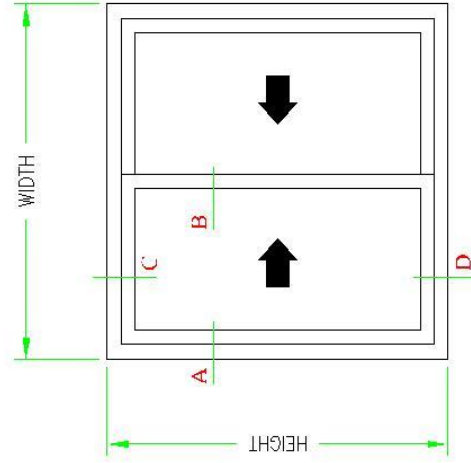
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**JAMB DETAIL 'A'**



**SILL DETAIL 'D'**

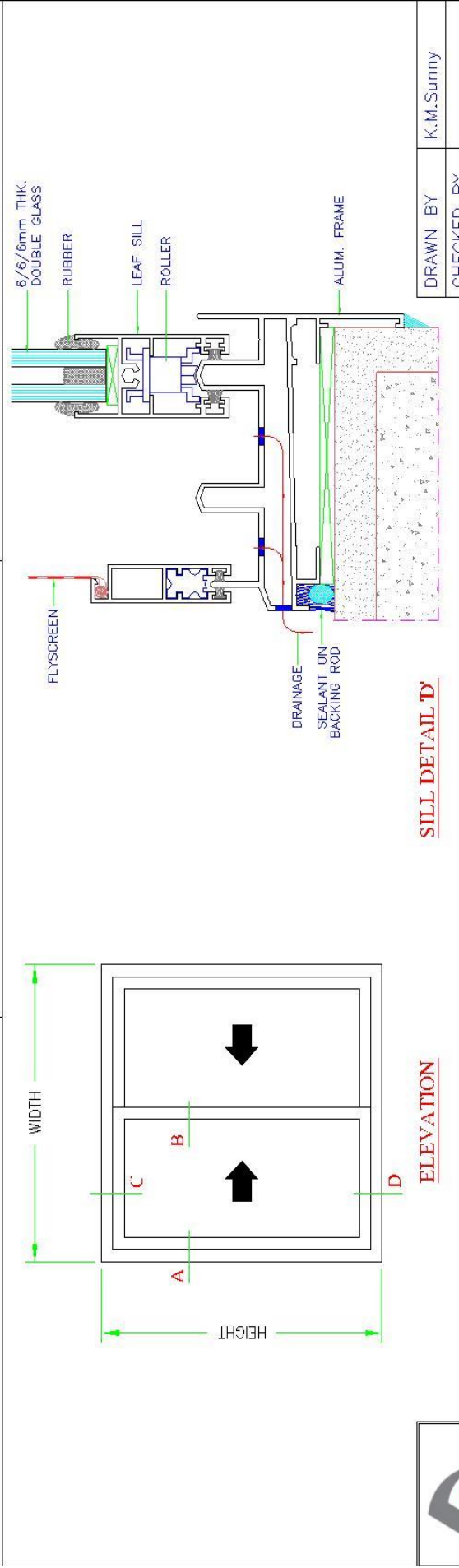
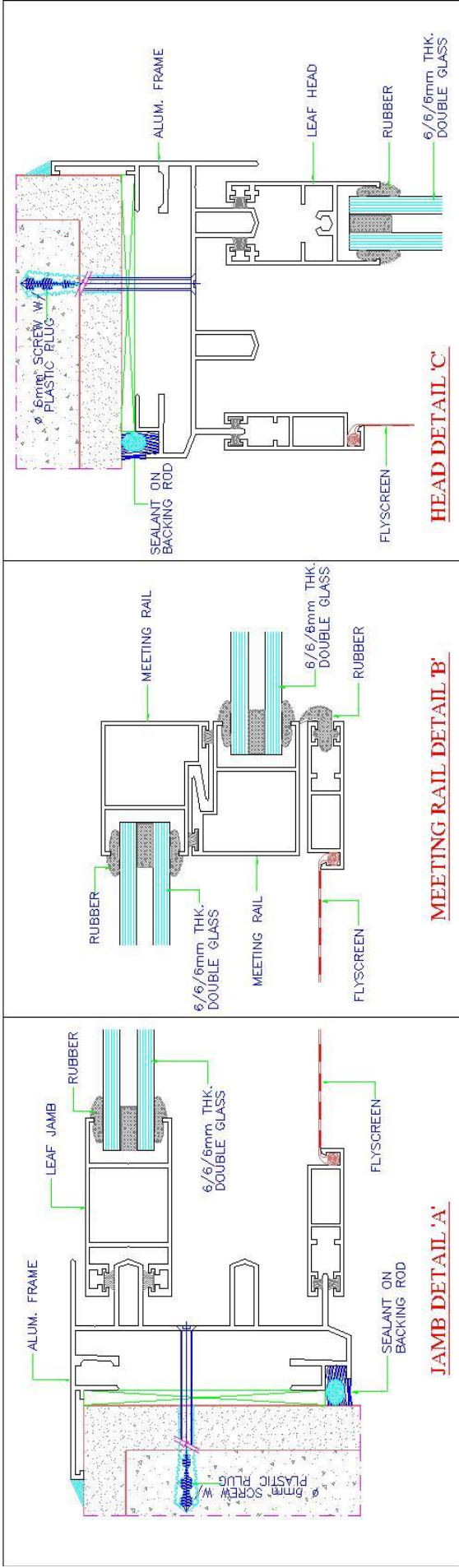


**ELEVATION**

**14cm SLIDING SYSTEM**

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DATE	
SCALE	N.T.S.

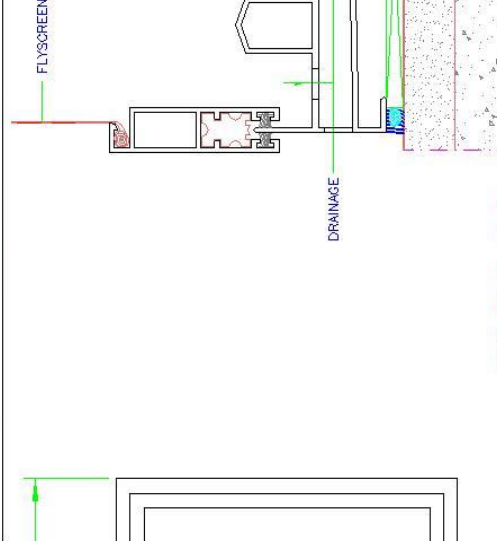
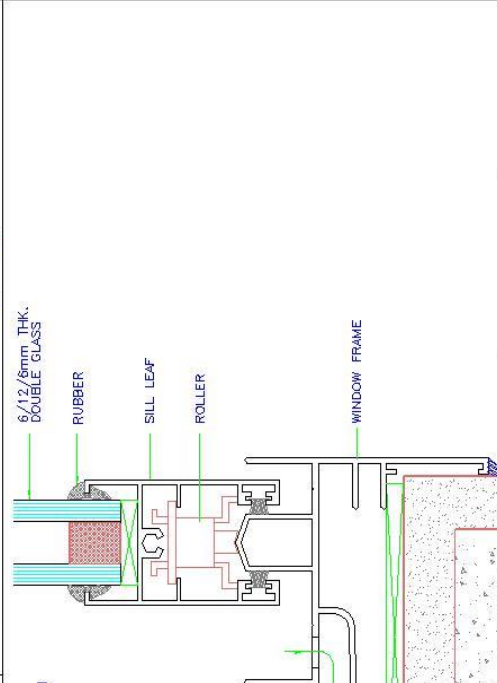
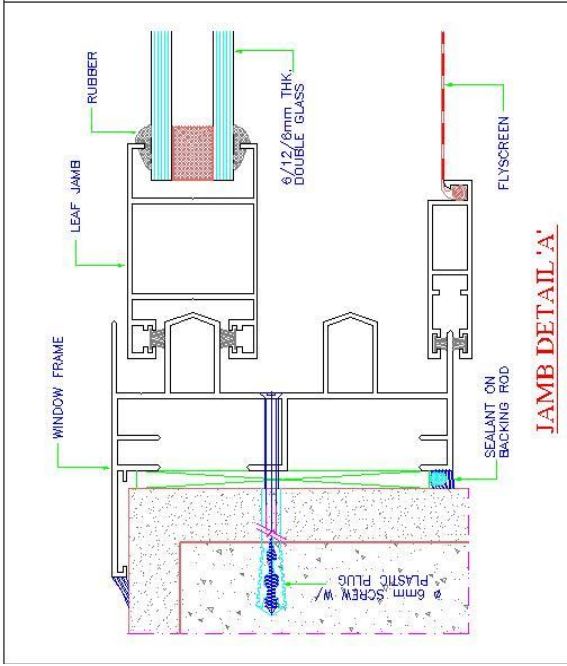
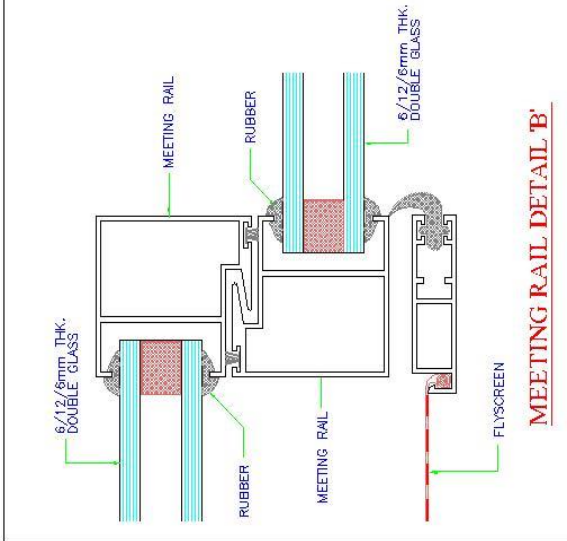
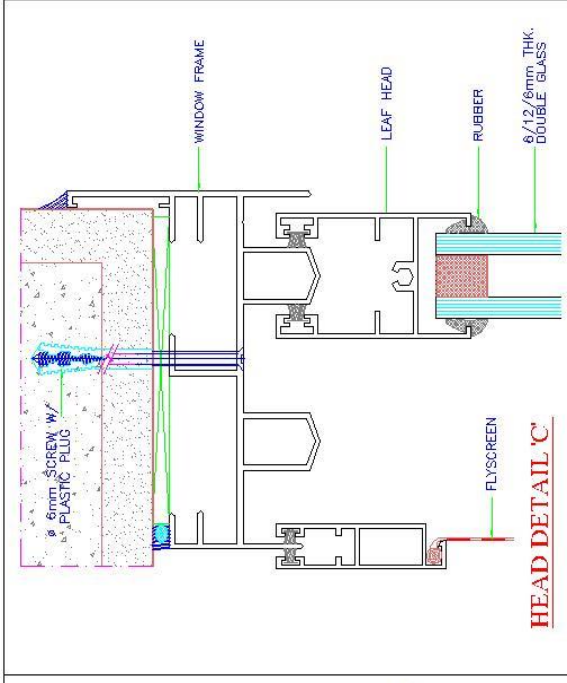




**S1 100 SLIDING SYSTEM (DOUBLE GLASS)**

DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

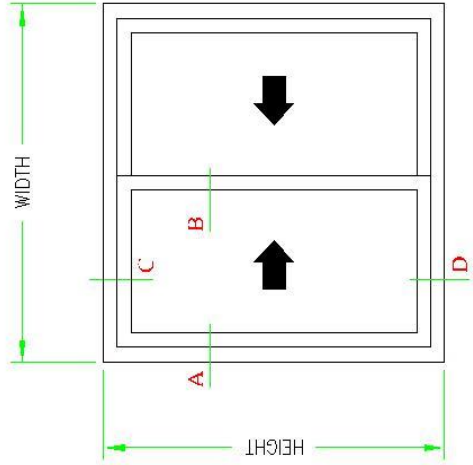
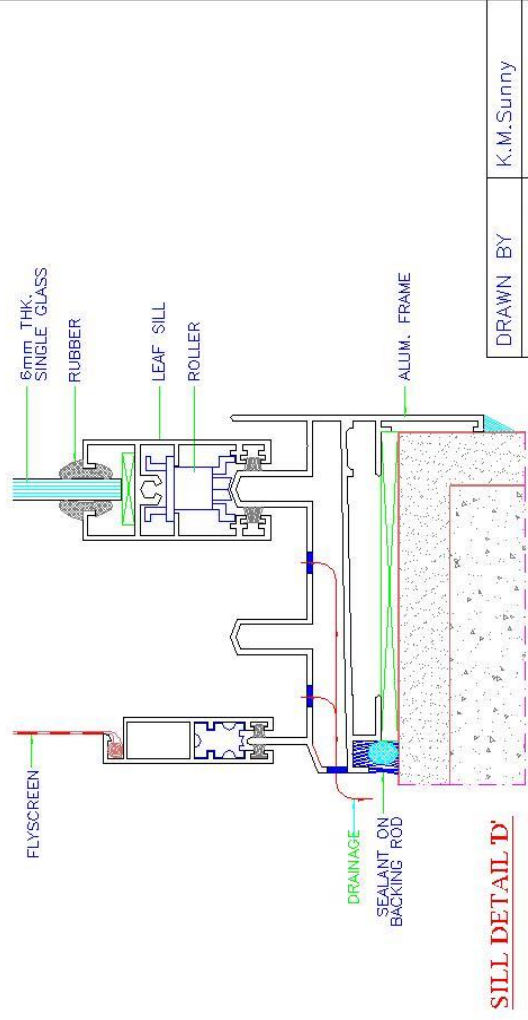
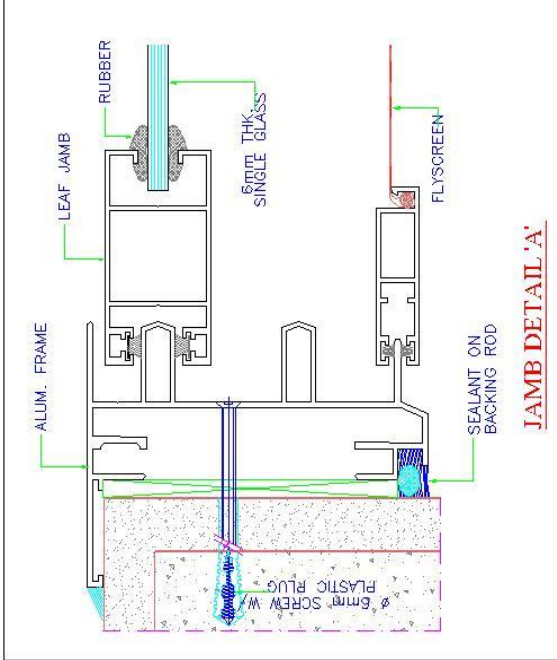
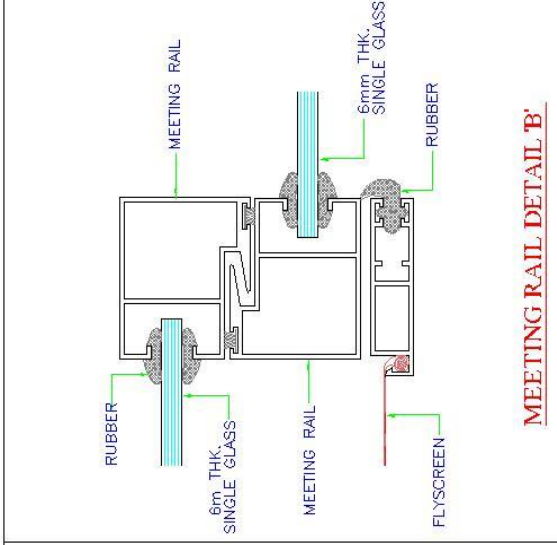
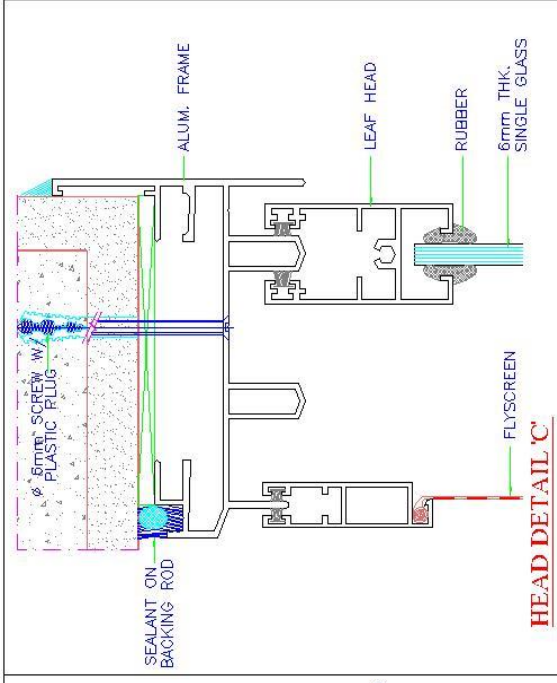




DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

**S2 100 SLIDING SYSTEM**

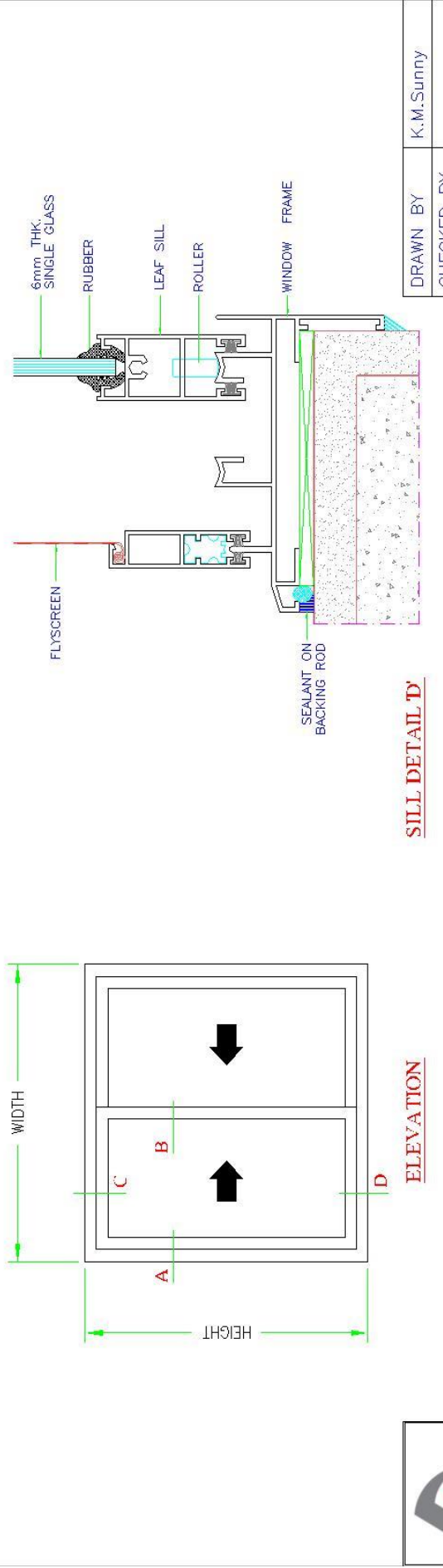
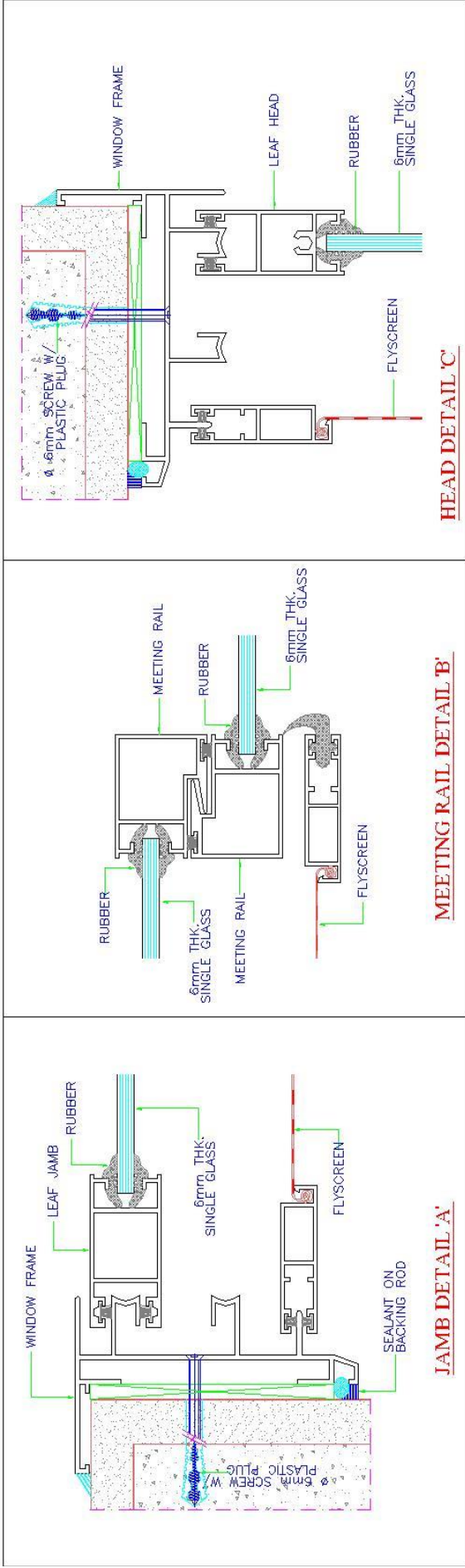




DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

**S1 100 SLIDING SYSTEM (SINGLE GLASS)**

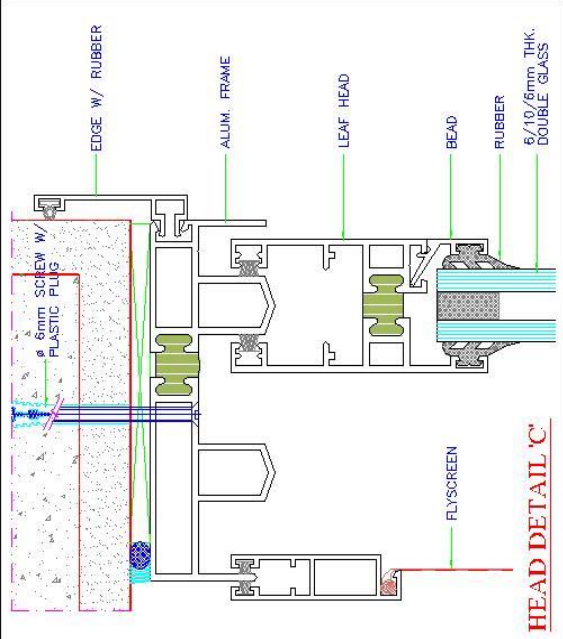




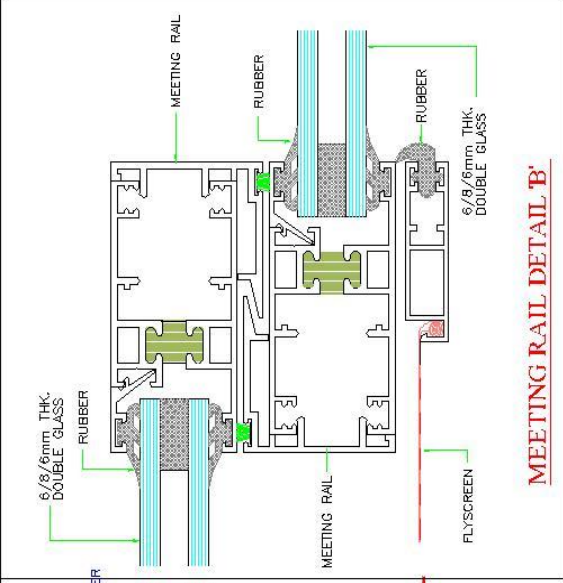
DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

## NCP SLIDING SYSTEM (SINGLE GLASS)

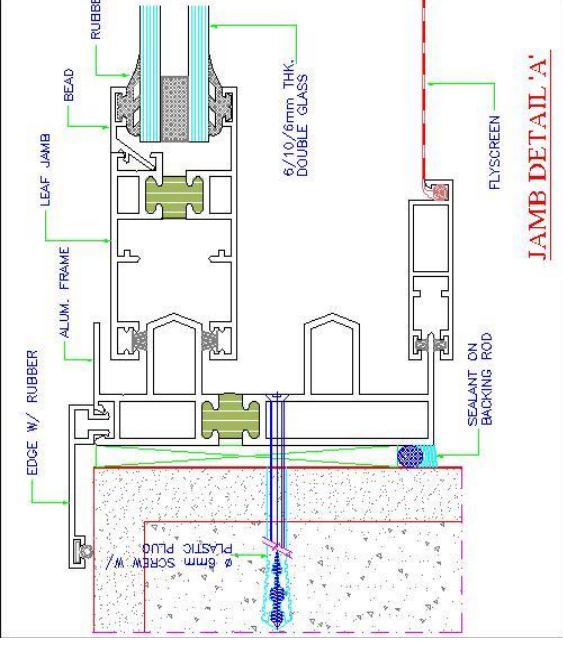




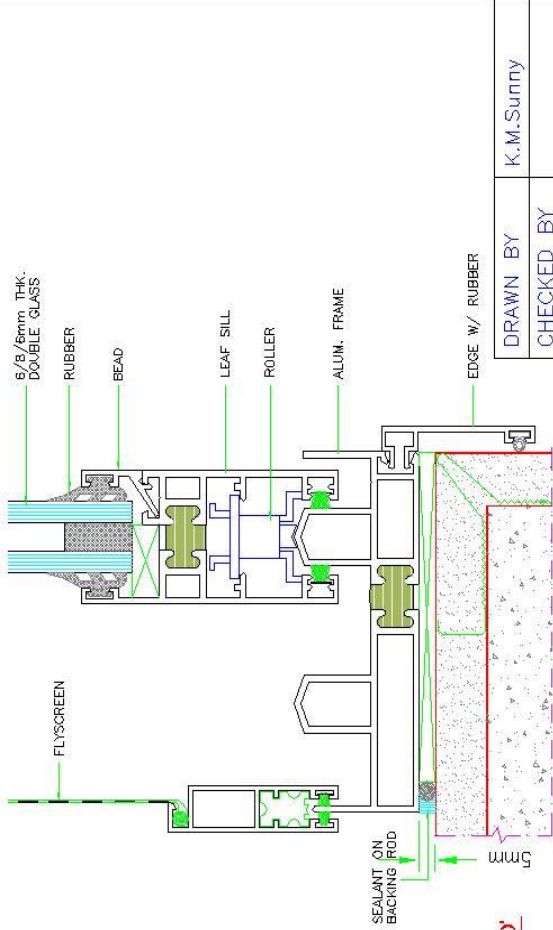
**HEAD DETAIL 'C'**



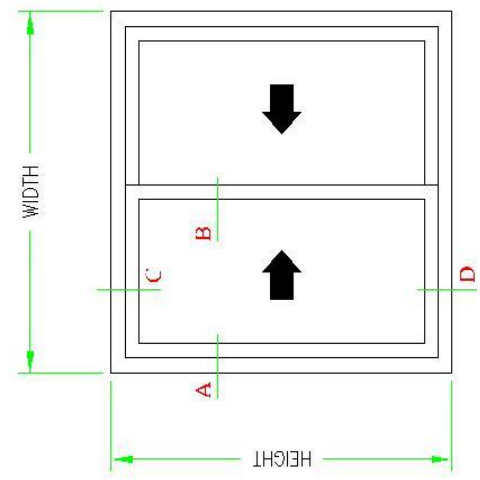
**MEETING RAIL DETAIL 'B'**



**JAMB DETAIL 'A'**



**SILL DETAIL 'D'**

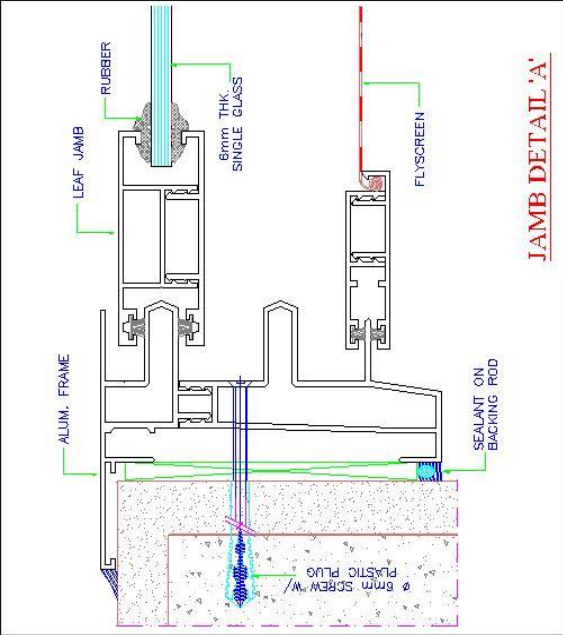


**ELEVATION**

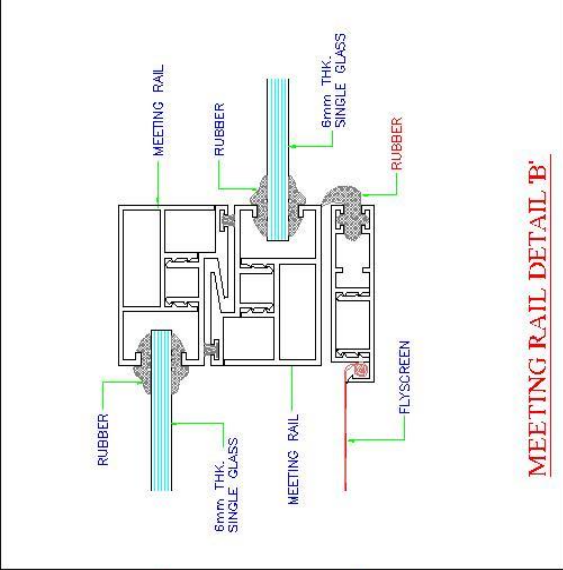
DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

**THERMAL BREAK SLIDING SYSTEM**

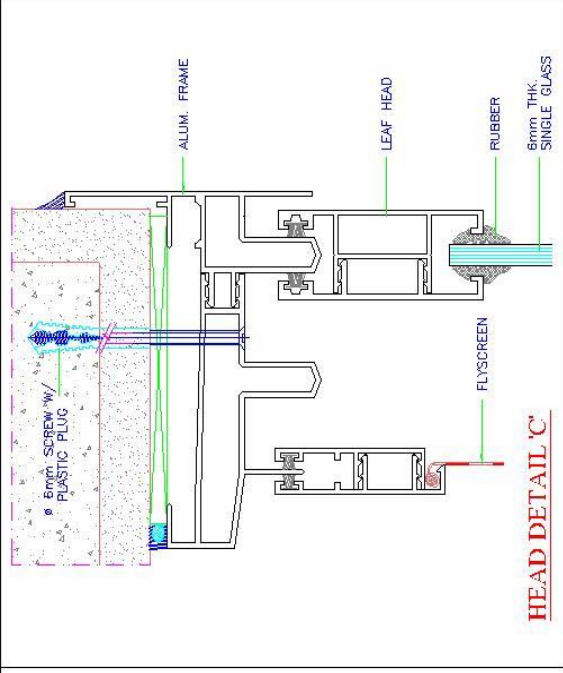




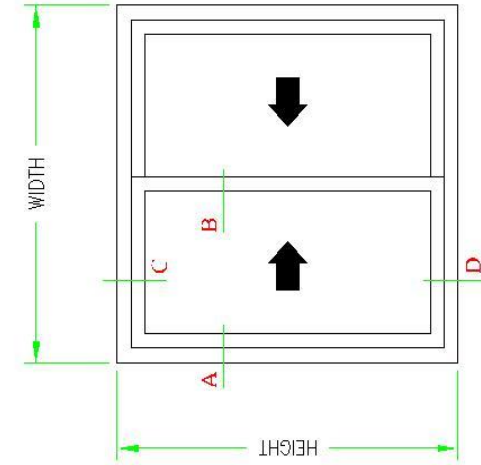
**JAMB DETAIL 'A'**



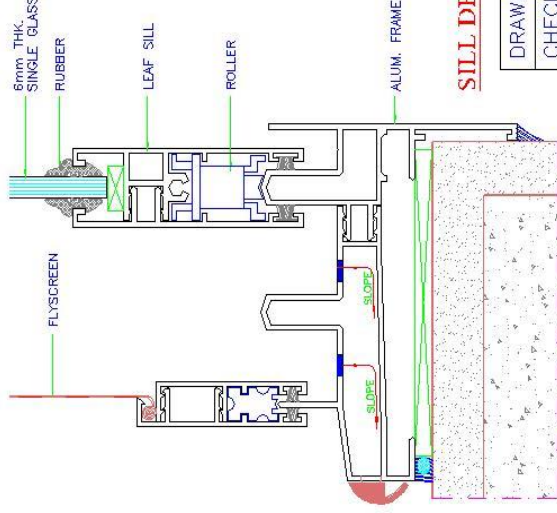
**MEETING RAIL DETAIL 'B'**



**HEAD DETAIL 'C'**



**ELEVATION**

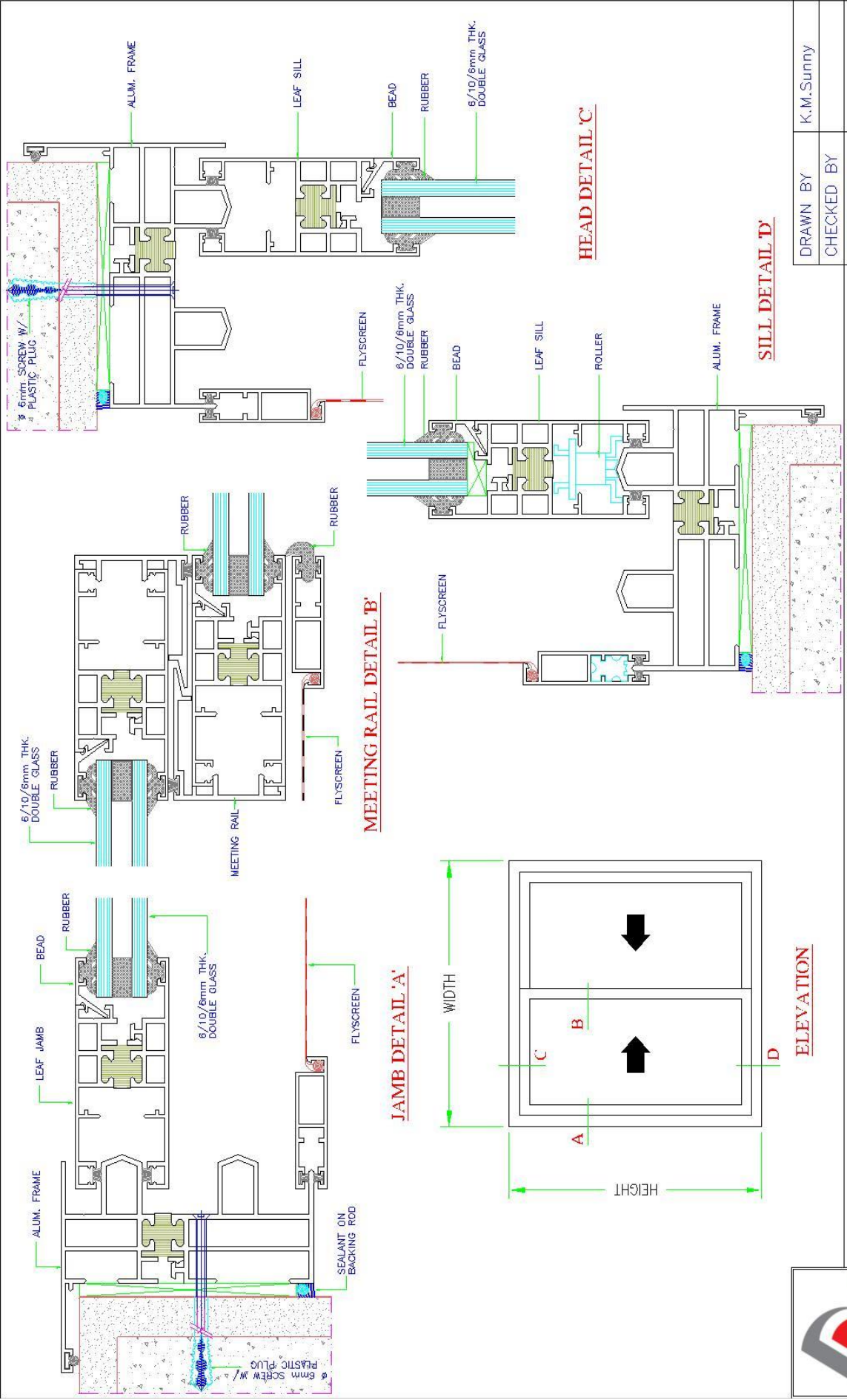


**SILL DETAIL 'D'**



DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

**DOUBLE COLOR SLIDING SYSTEM**



DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

**DOUBLE COLOR THERMAL BREAK SLIDING SYSTEM**





# WINDOW SYSTEM

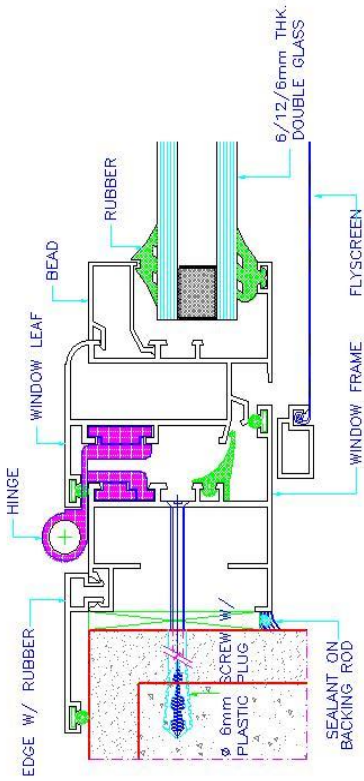
+966 13 812 7776

[alu@amg-metal.com](mailto:alu@amg-metal.com)

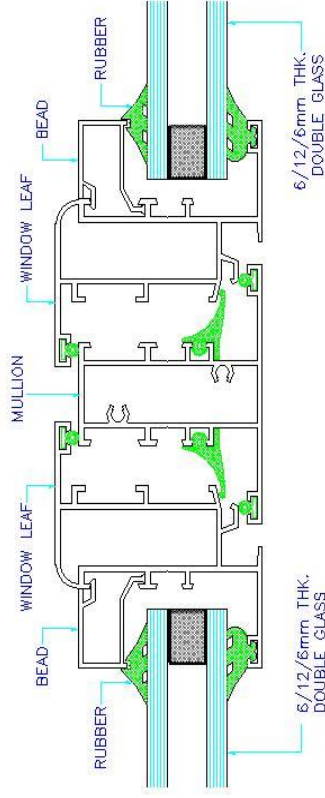
[www.amg-metal.com](http://www.amg-metal.com)

2<sup>nd</sup> Industrial Area, Dammam, KSA

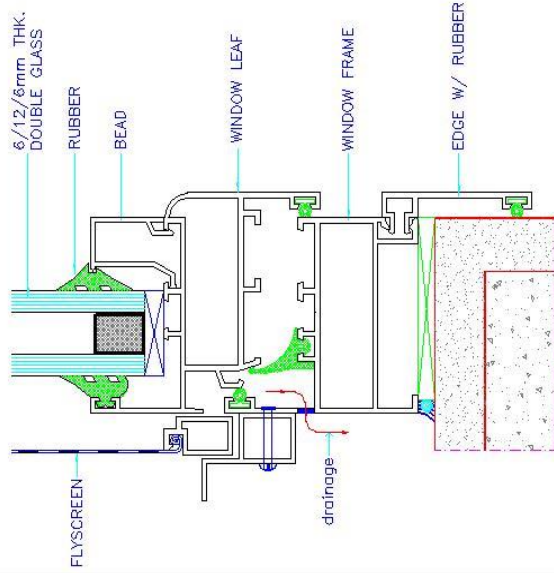




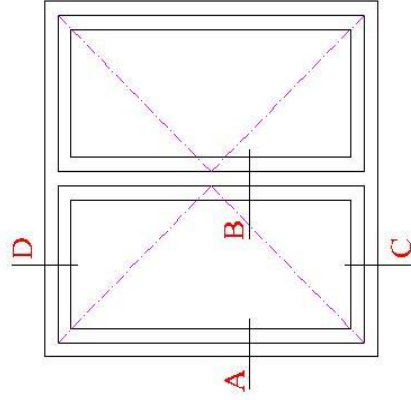
**JAMB DETAIL 'A'**



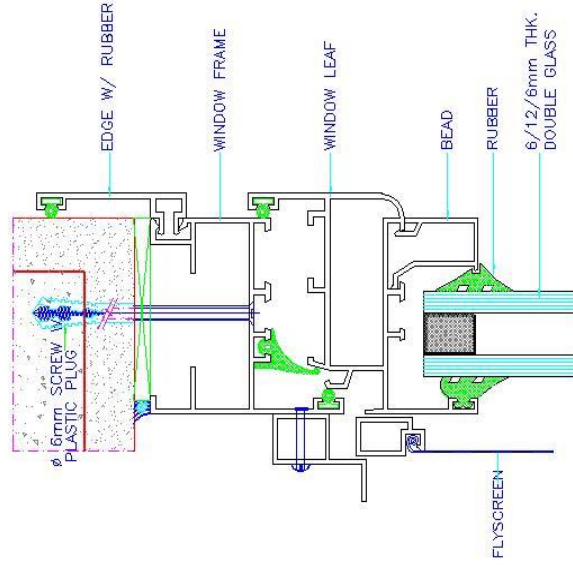
**MULLION DETAIL 'B'**



**SILL DETAIL 'C'**



**ELEVATION**

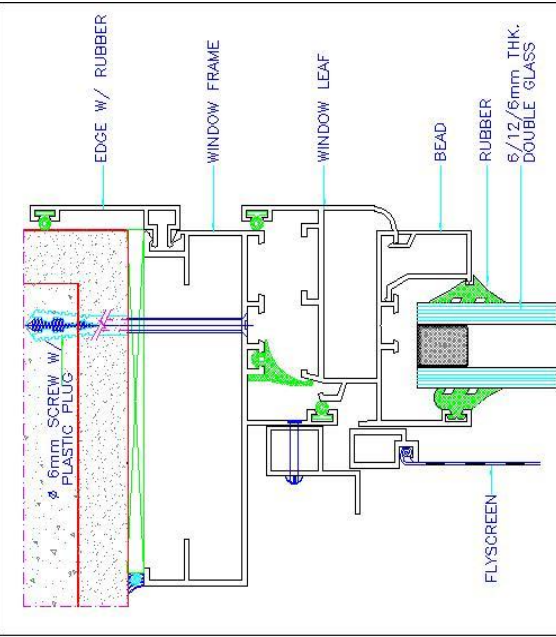
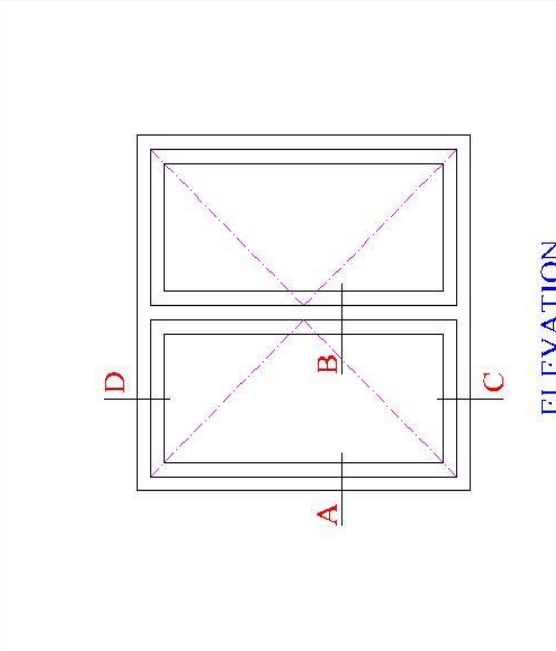
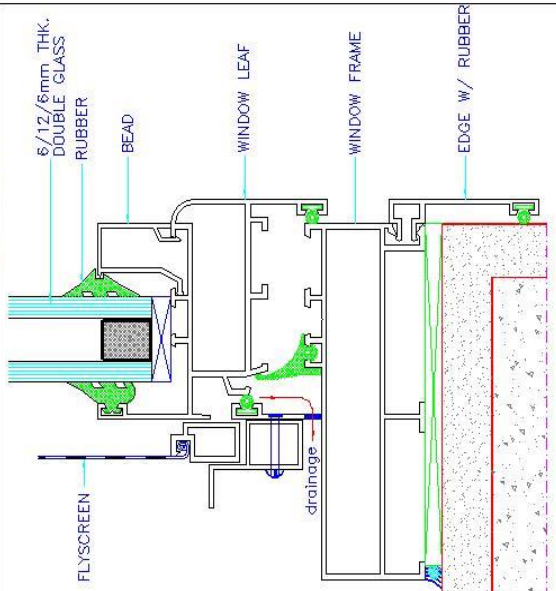
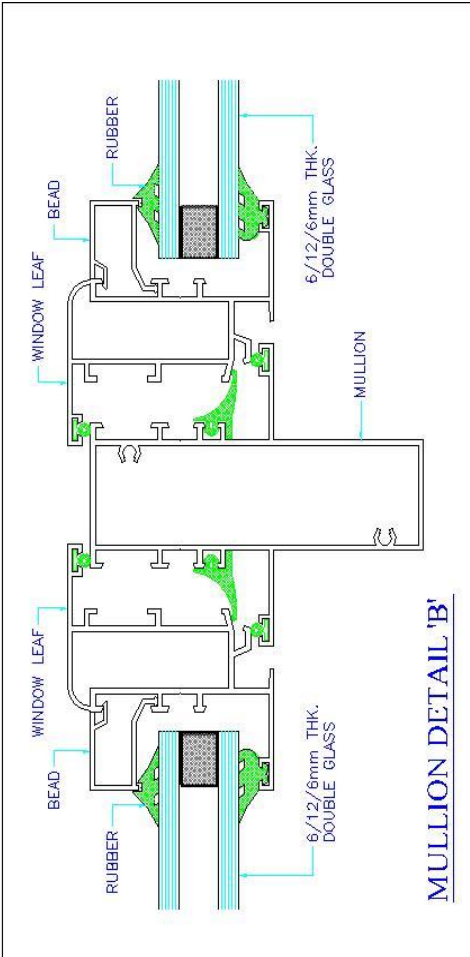
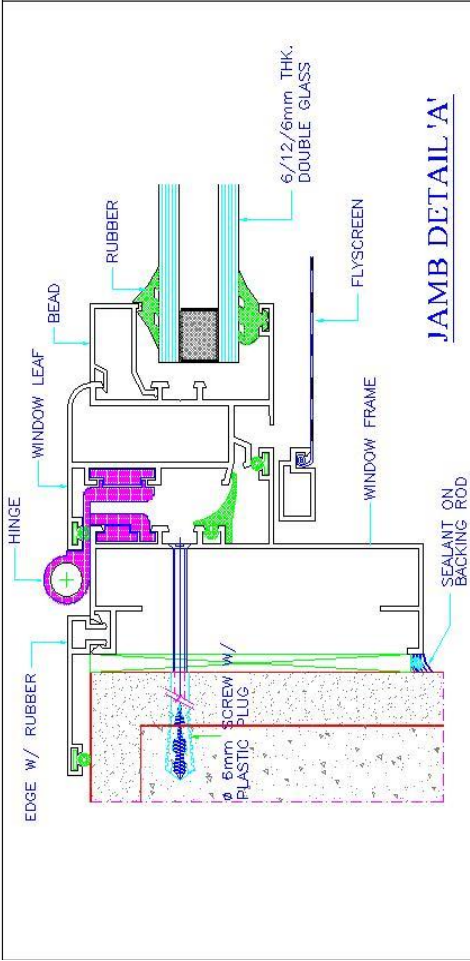


**HEAD DETAIL 'D'**

DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

**HINGE WINDOW SYSTEM (5.5cm SERIES)**





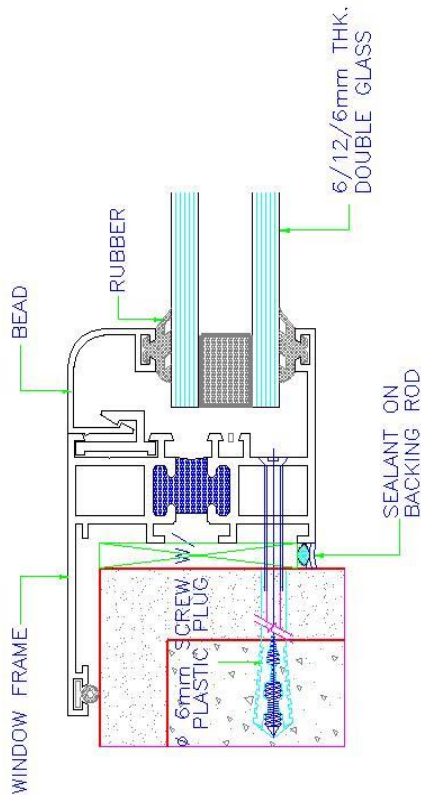
**SILL DETAIL 'C'**

**ELEVATION**

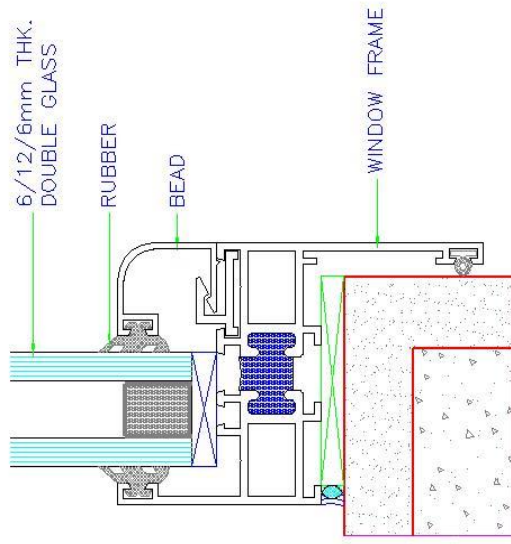
**HEAD DETAIL 'D'**

DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

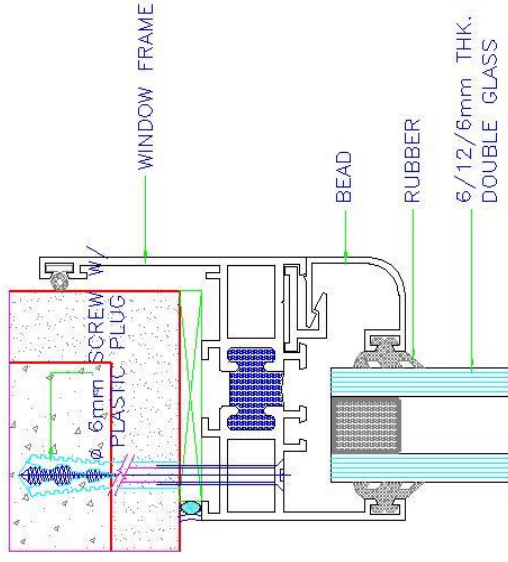
**HINGE WINDOW SYSTEM (10cm SERIES)**



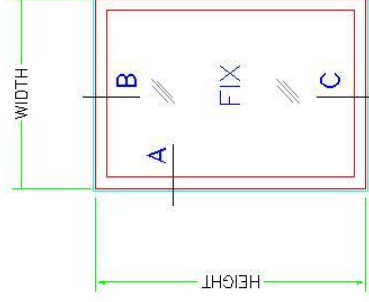
**JAMB DETAIL-A**



**SILL DETAIL-C**



**HEAD DETAIL-B**



**FIX WINDOW ELEVATION**

**THERMAL BREAK FIX WINDOW**



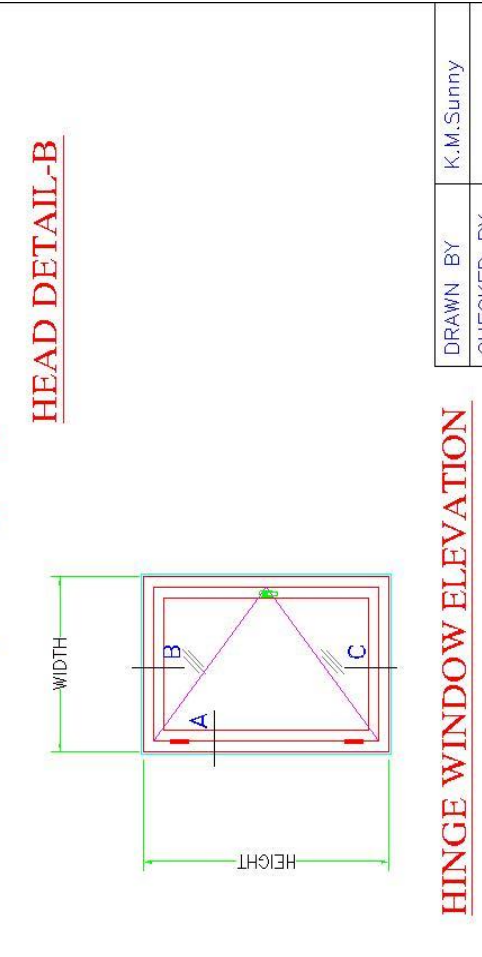
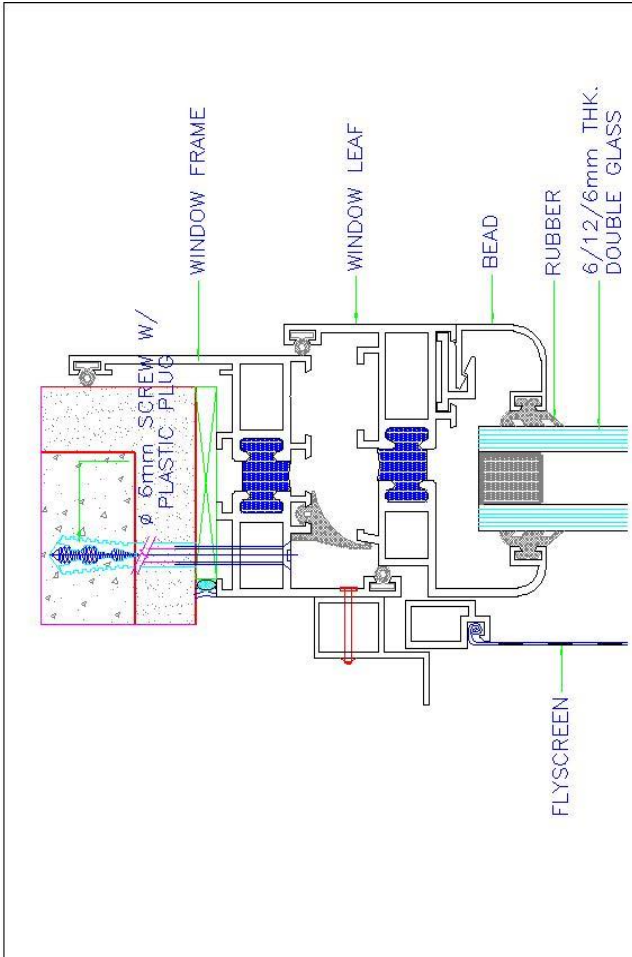
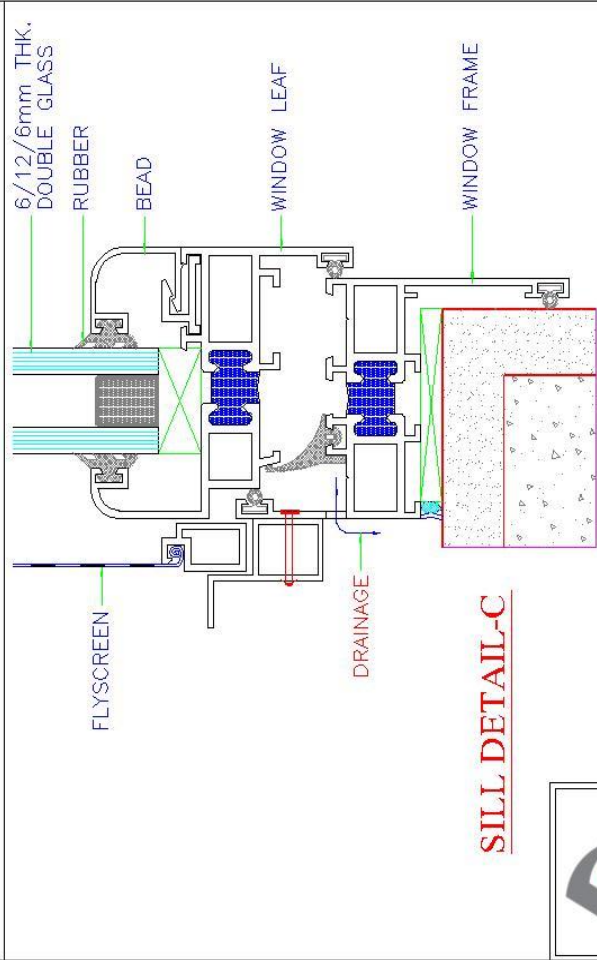
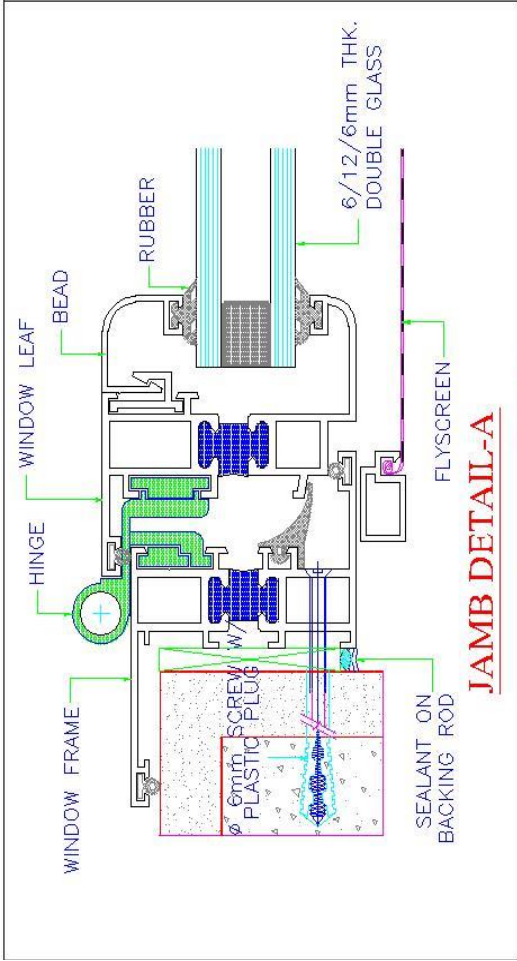
DRAWN BY K.M.Sunny

CHECKED BY

DATE

SCALE

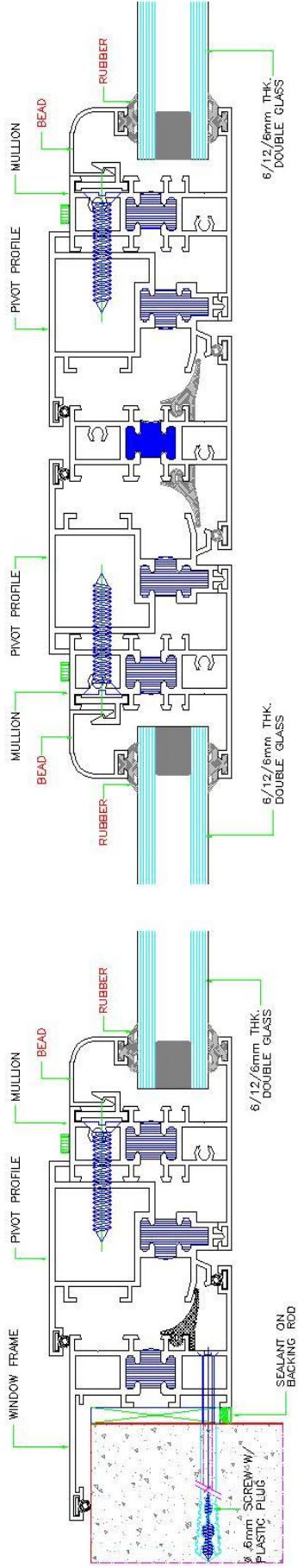
NTS.



**HERMETIC SEALING**

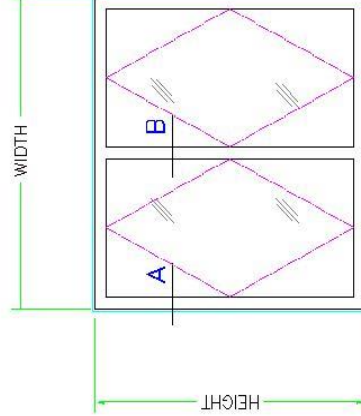
**HINGE WINDOW ELEVATION**

DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	NTS.



**JAMB DETAIL-A**

**MULLION DETAIL-B**

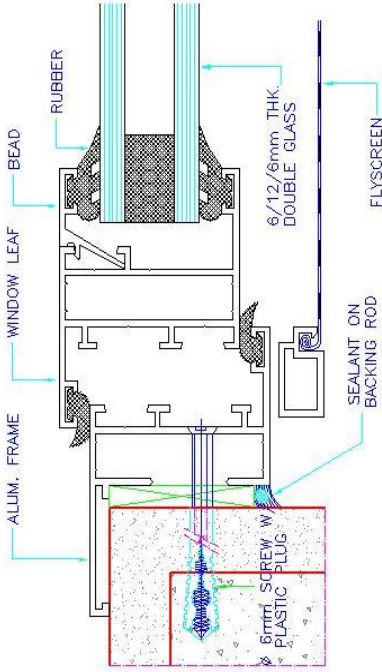


**PIVOT WINDOW ELEVATION**

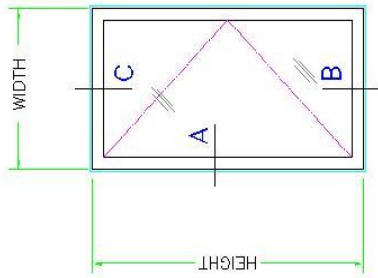
**PIVOT WINDOW DETAIL**



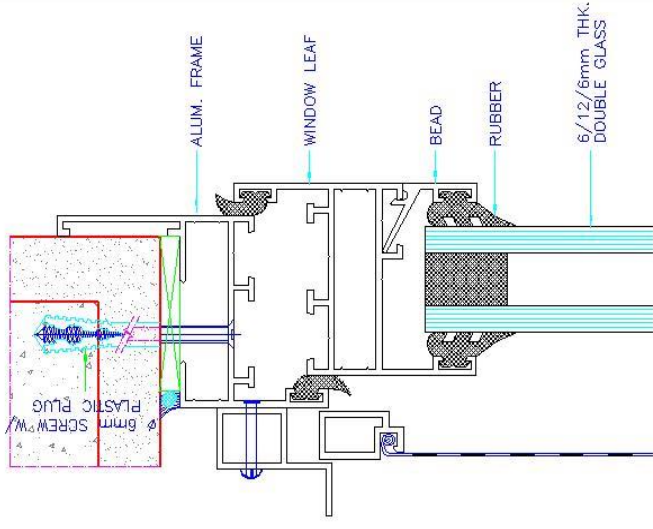
DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	NTS.



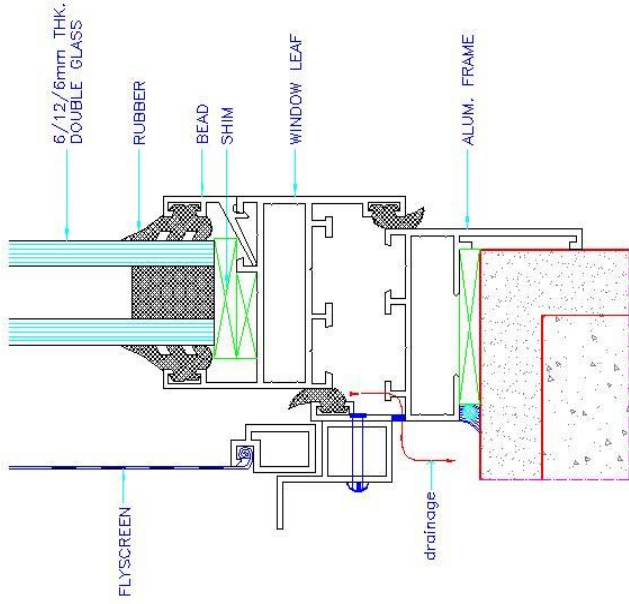
**JAMB DETAIL-A**



**ELEVATION**



**HEAD DETAIL-C**

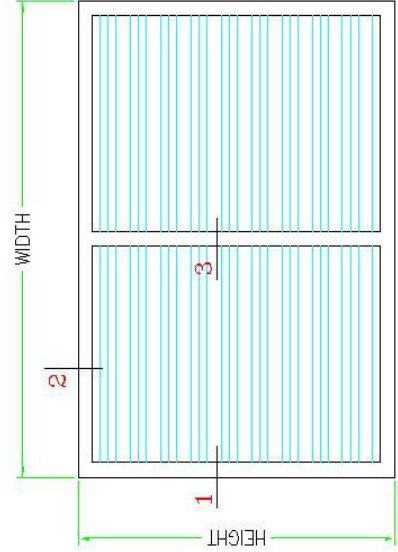
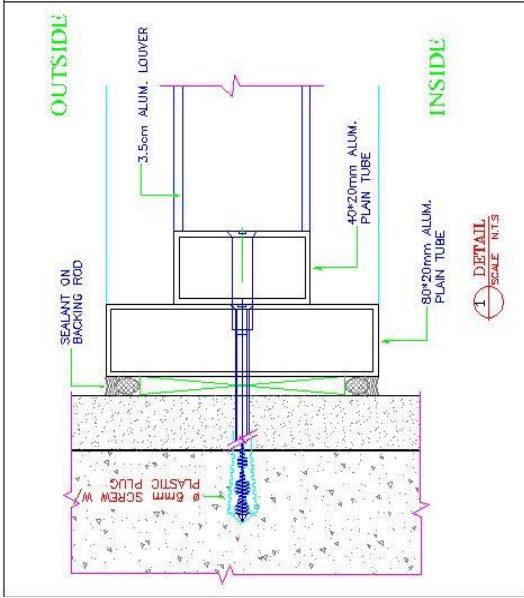
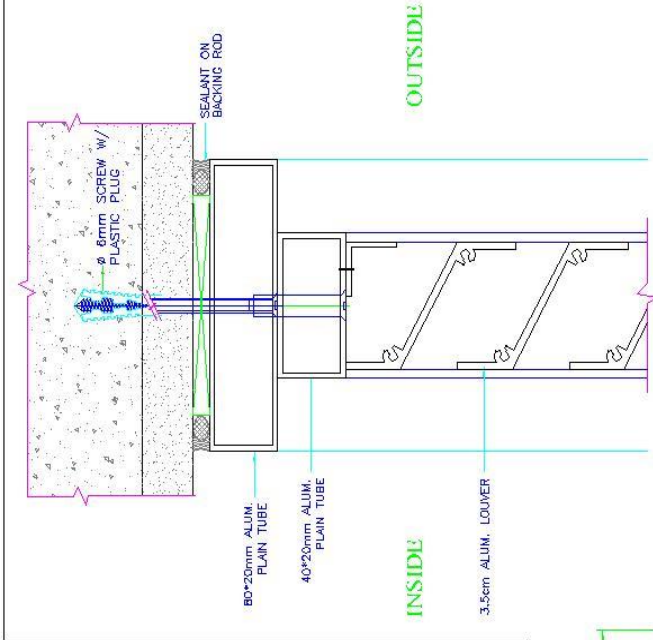
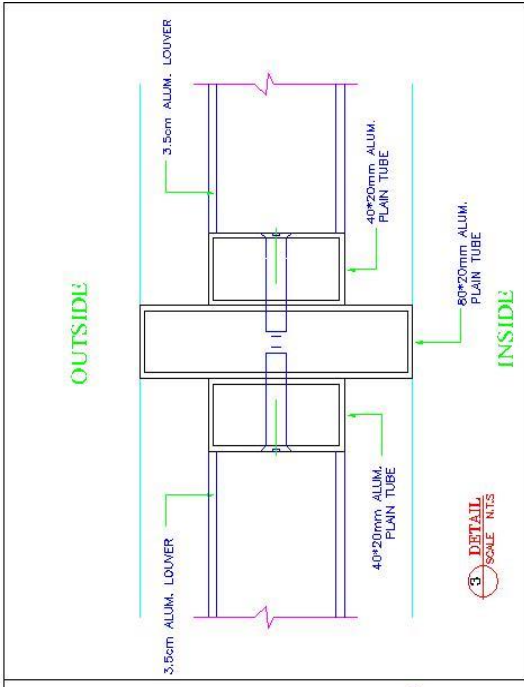


**SILL DETAIL-B**

**HINGE WINDOW (44mm SERIES)**

DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	NTS.





ELEVATION

DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	NTS.

LOUVER SYSTEM





# DOOR SYSTEM

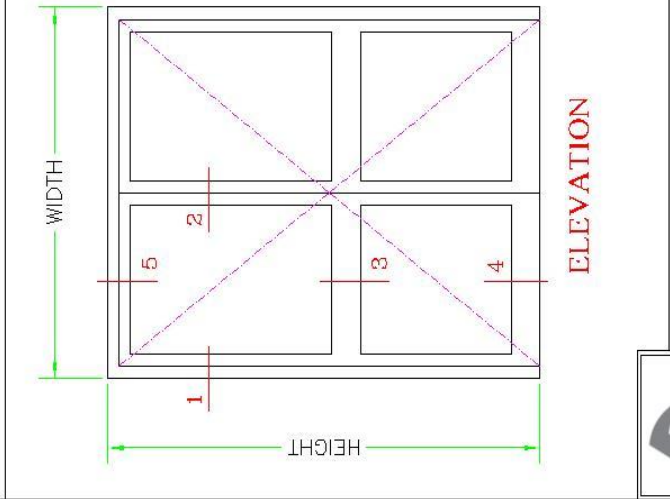
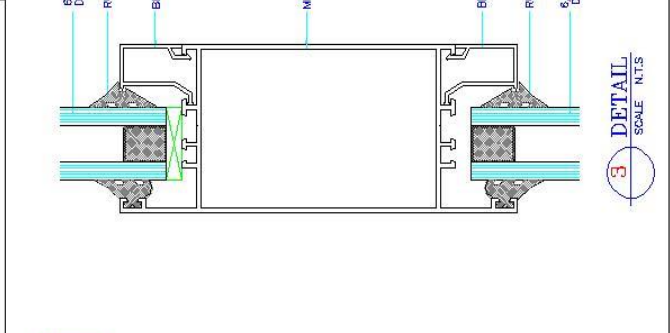
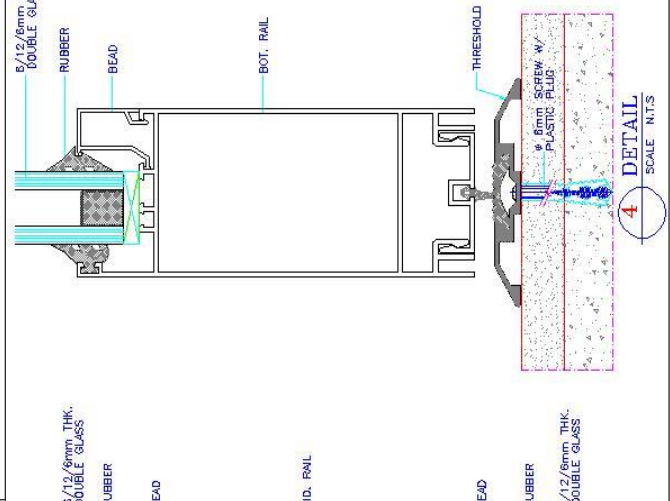
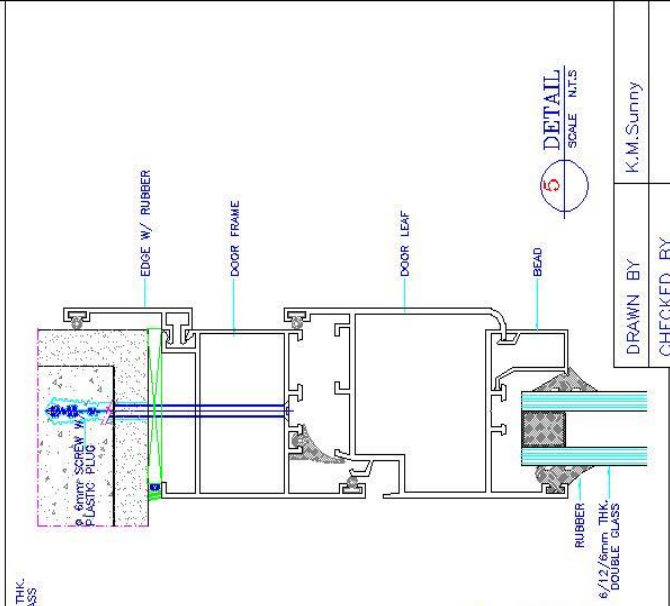
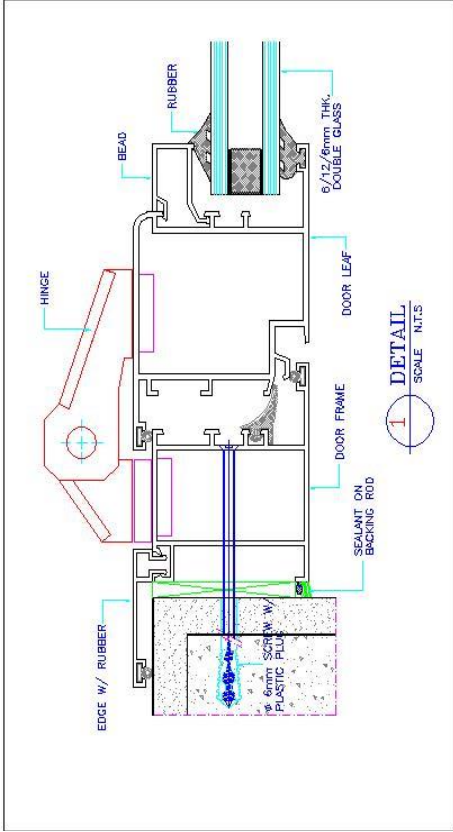
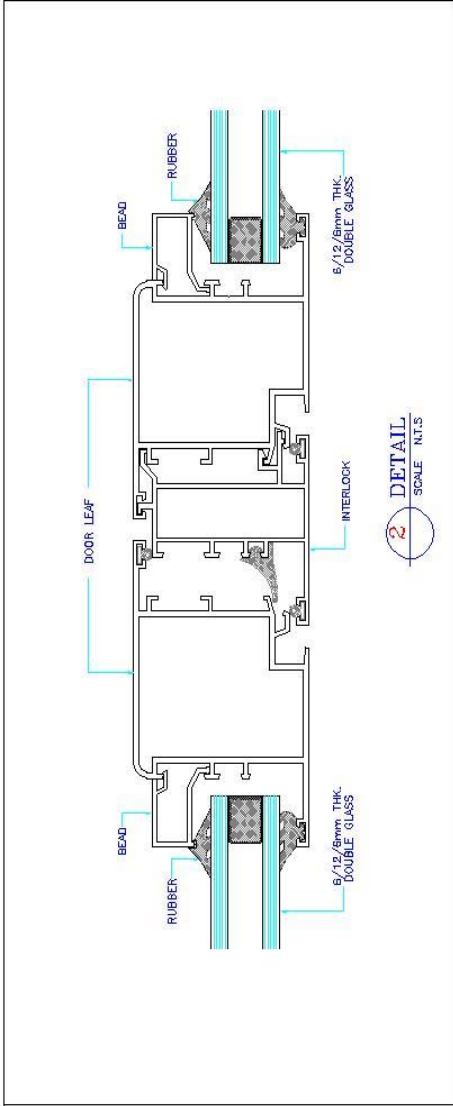
+966 13 812 7776

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2<sup>nd</sup> Industrial Area, Dammam, KSA

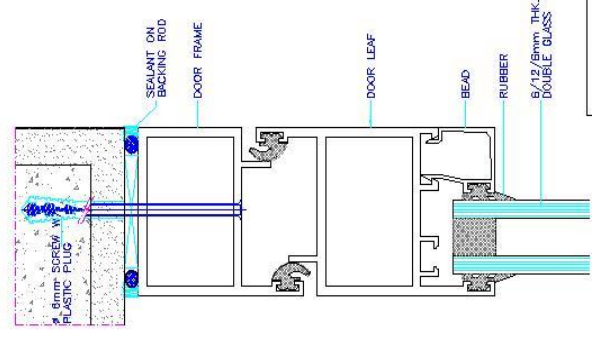
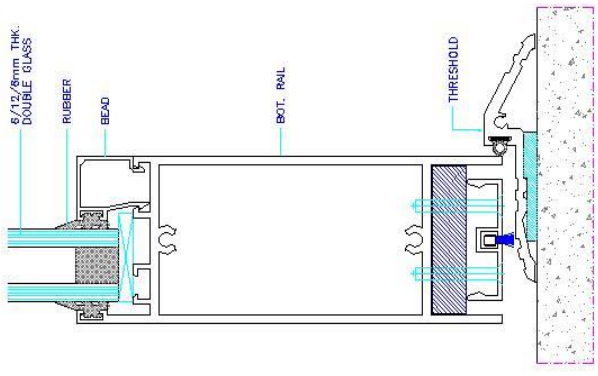
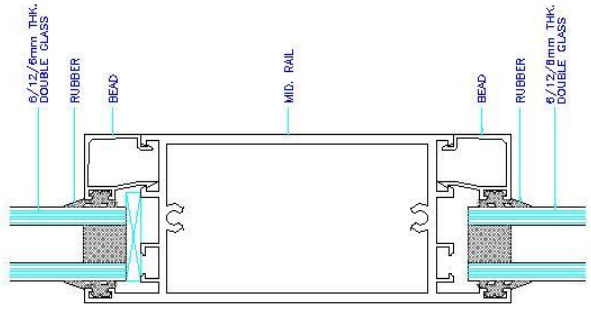
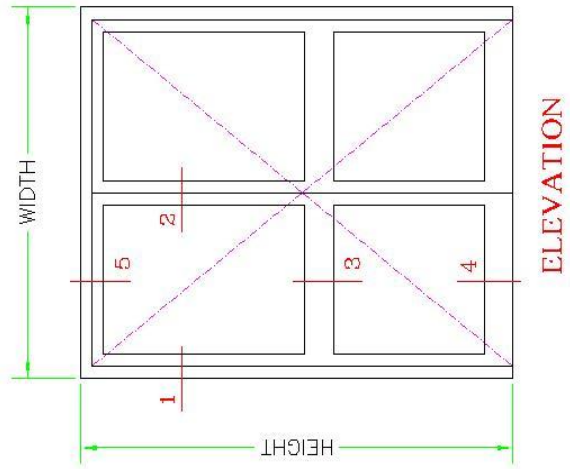
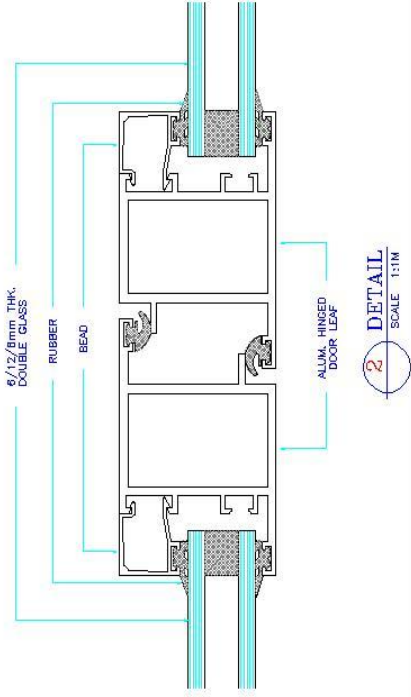
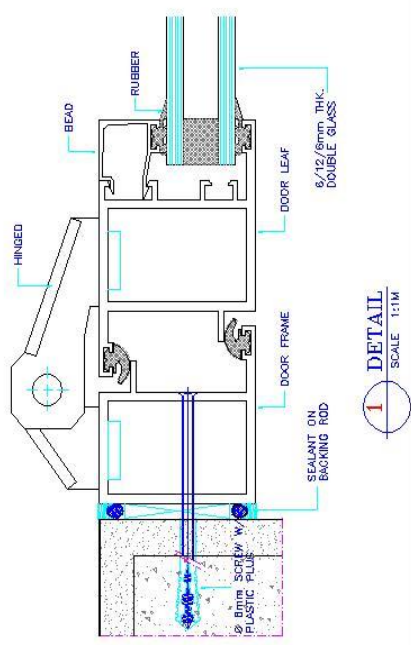




DRAWN BY		K.M.Sunny	
		CHECKED BY	
DATE			
SCALE		N.T.S.	

# HINGE DOOR SYSTEM





3 DETAIL SCALE 1:1M

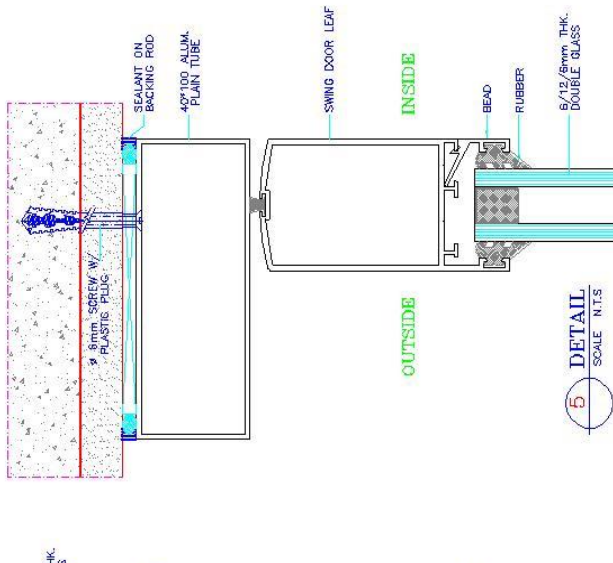
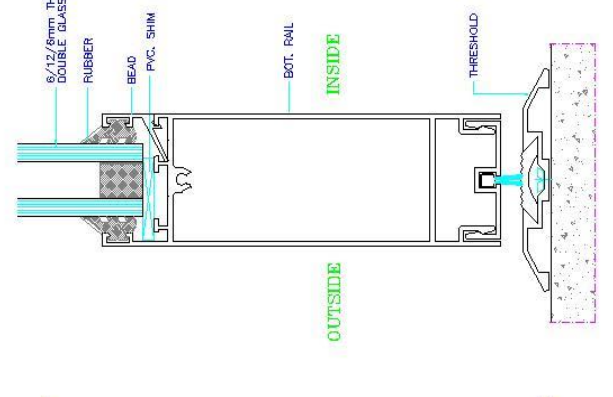
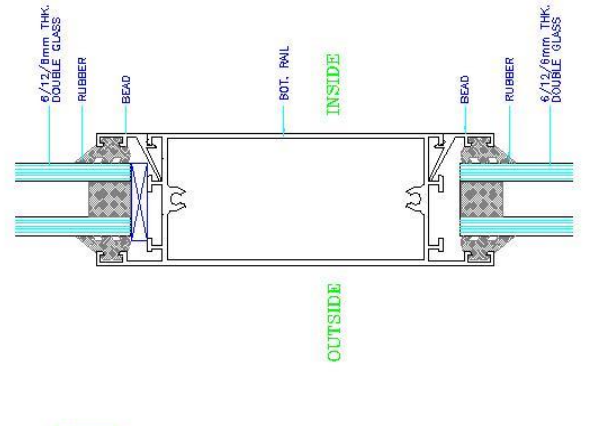
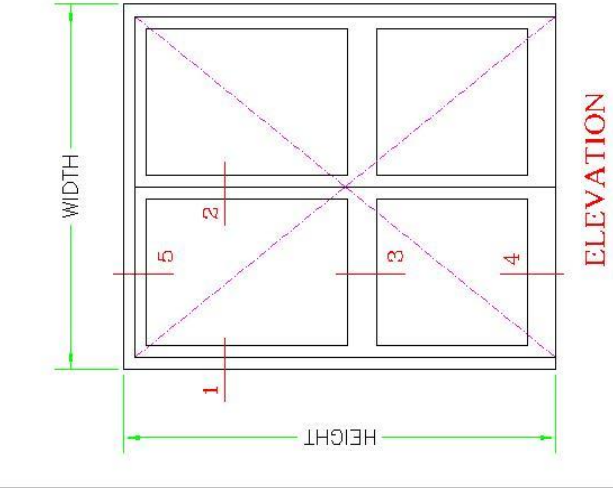
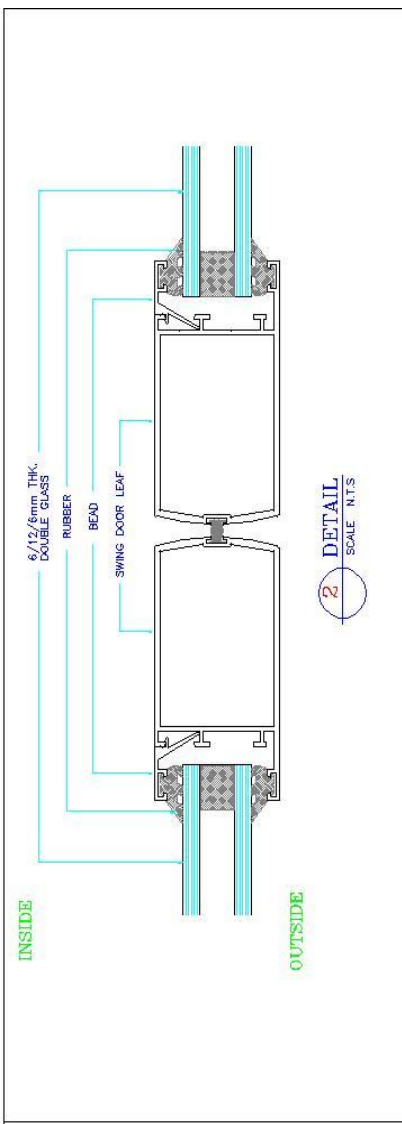
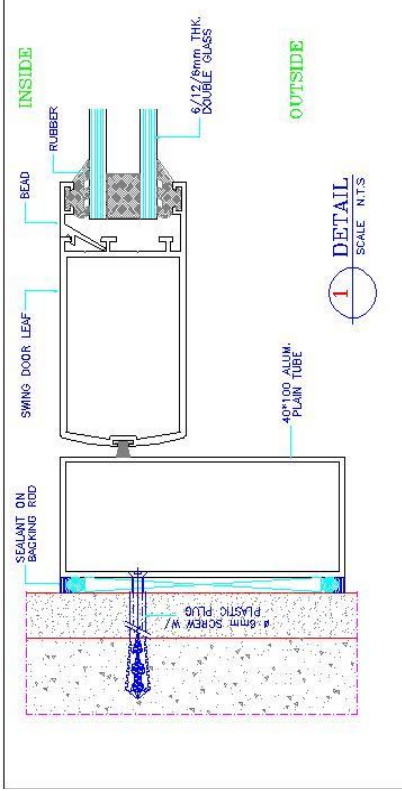
4 DETAIL SCALE 1:1M

5 DETAIL SCALE 1:1M

**HINGE DOOR SYSTEM (3mm THK.)**

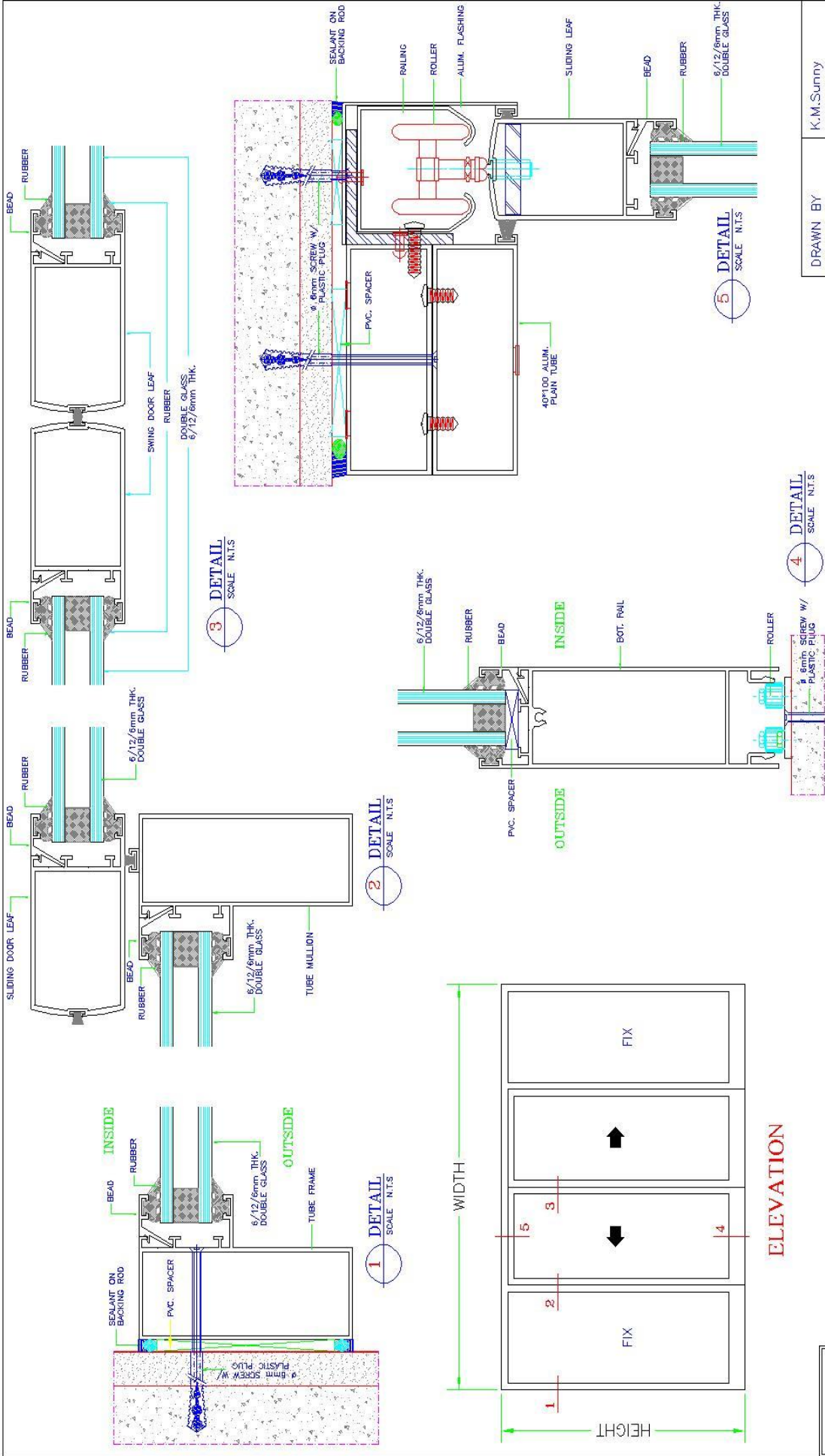
DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.





# SWING DOOR SYSTEM

DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

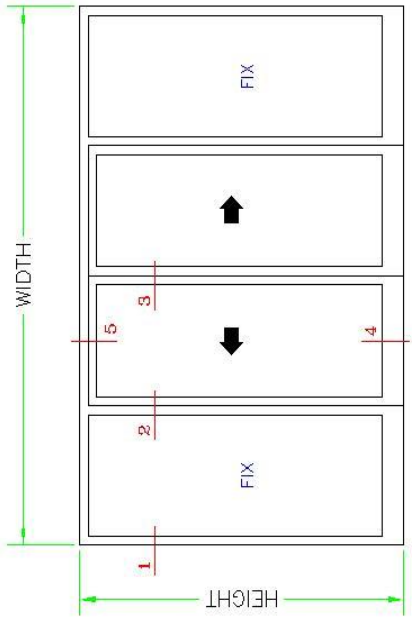


# MANUAL SLIDING DOOR SYSTEM

DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.



ELEVATION



4 DETAIL  
SCALE N.T.S.

2 DETAIL  
SCALE N.T.S.

3 DETAIL  
SCALE N.T.S.

5 DETAIL  
SCALE N.T.S.

1 DETAIL  
SCALE N.T.S.



# STANDARD CURTAIN WALL SYSTEM

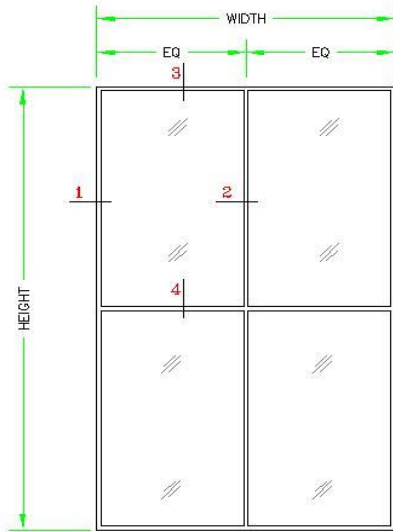
+966 13 812 7776

[alu@amg-metal.com](mailto:alu@amg-metal.com)

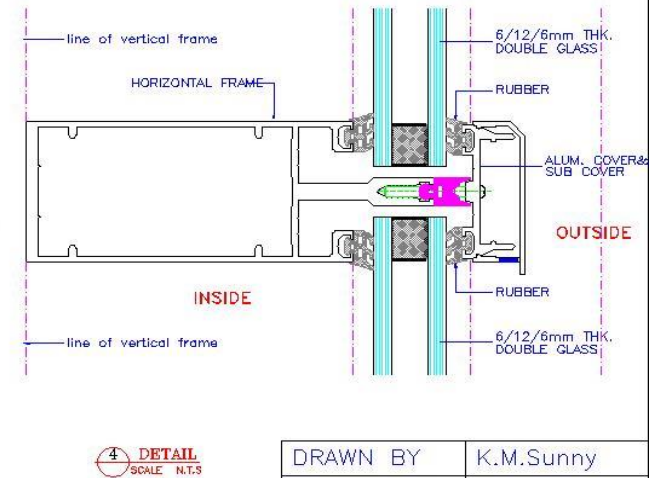
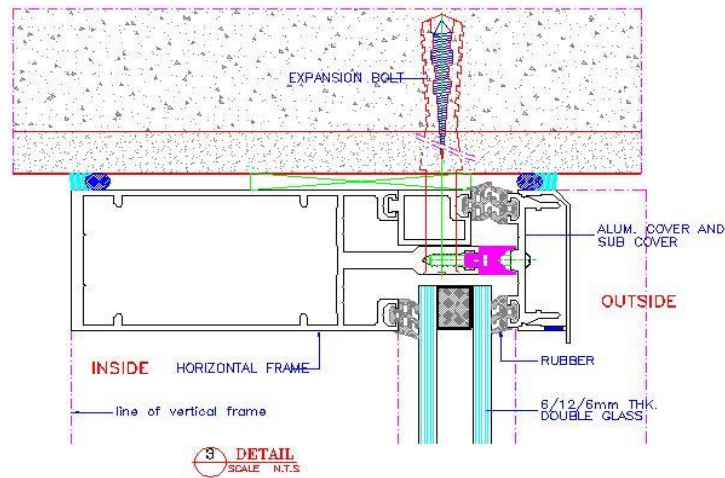
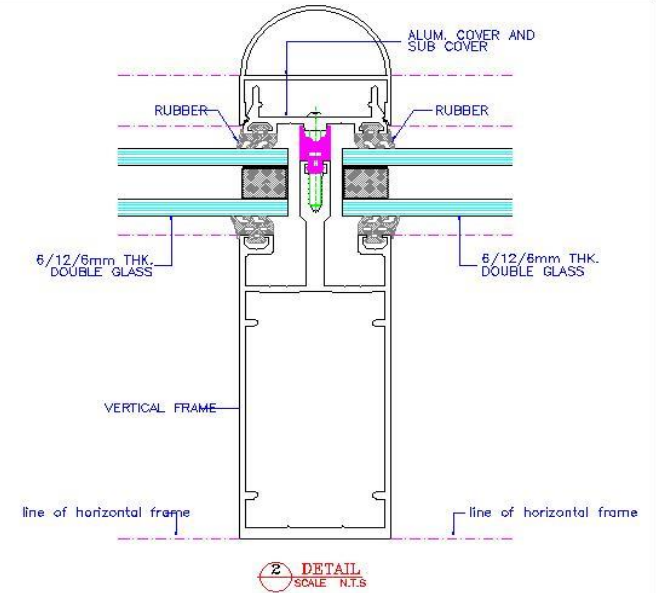
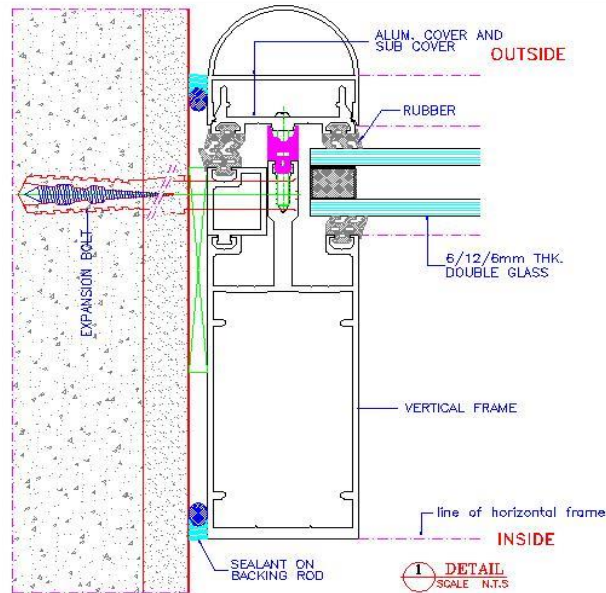
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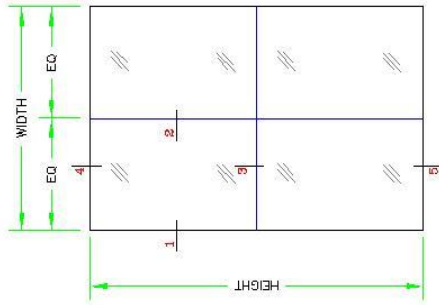
**ELEVATION**



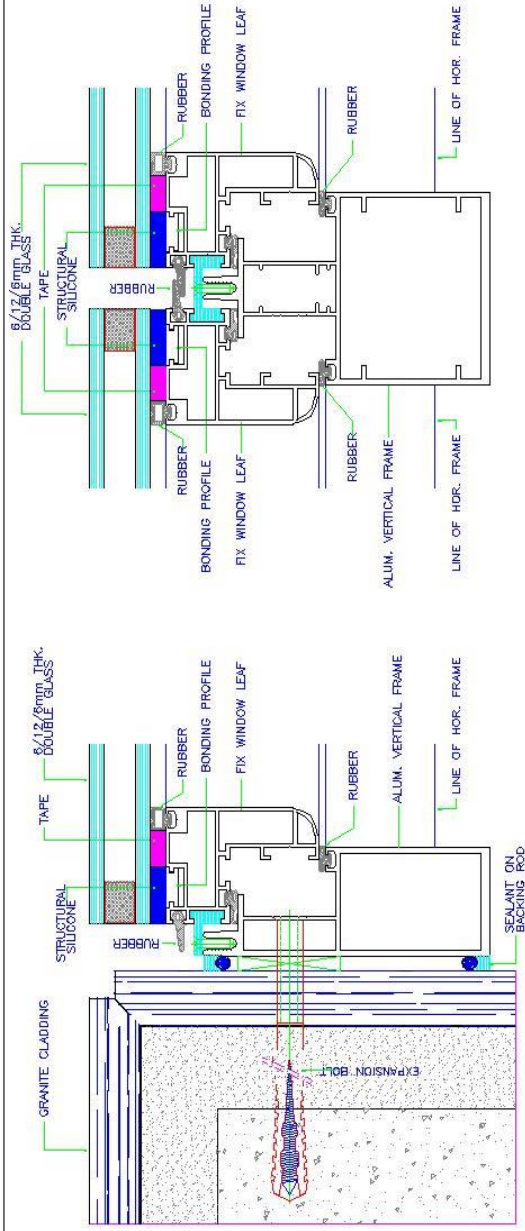
**STANDARD CURTAIN WALL SYSTEM**



DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

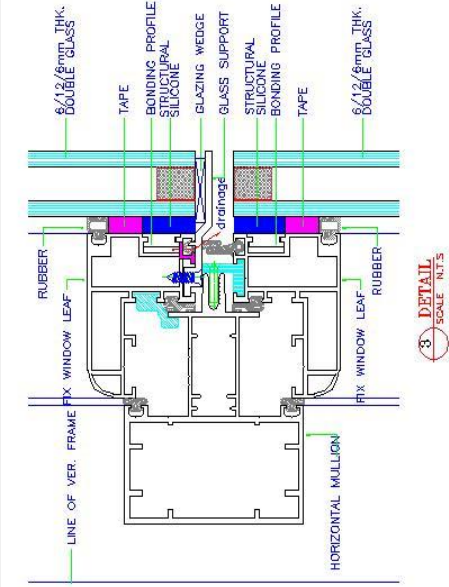


**ELEVATION**

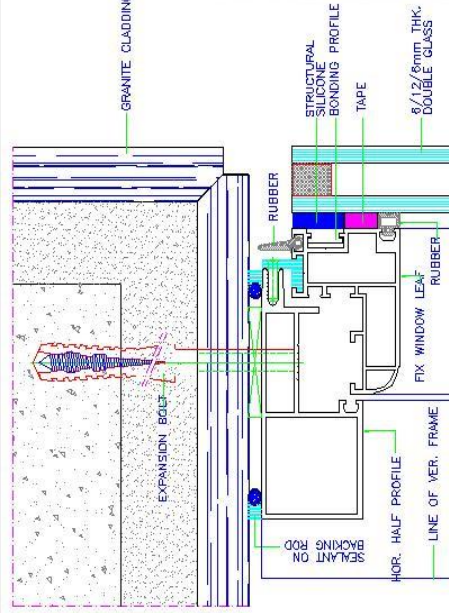


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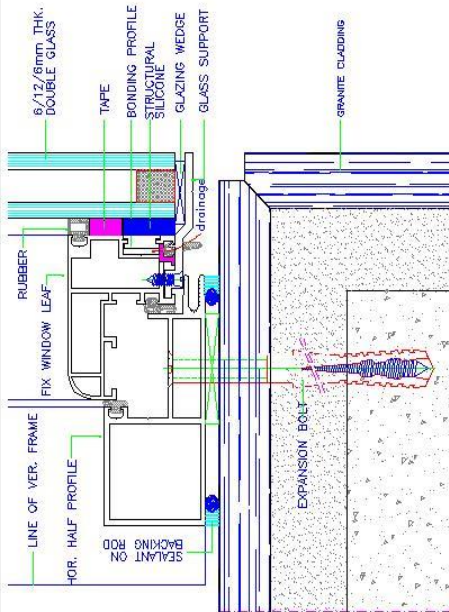
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**3** DETAIL SCALE: N.T.S.



**4** DETAIL SCALE: N.T.S.



**5** DETAIL SCALE: N.T.S.

DRAWN BY	K.M.Sunny
CHECKED BY	
DATE	
SCALE	N.T.S.

**STANDARD STRUCTURAL GLAZING SYSTEM**





# STRUCTURAL CURTAIN WALL SYSTEM

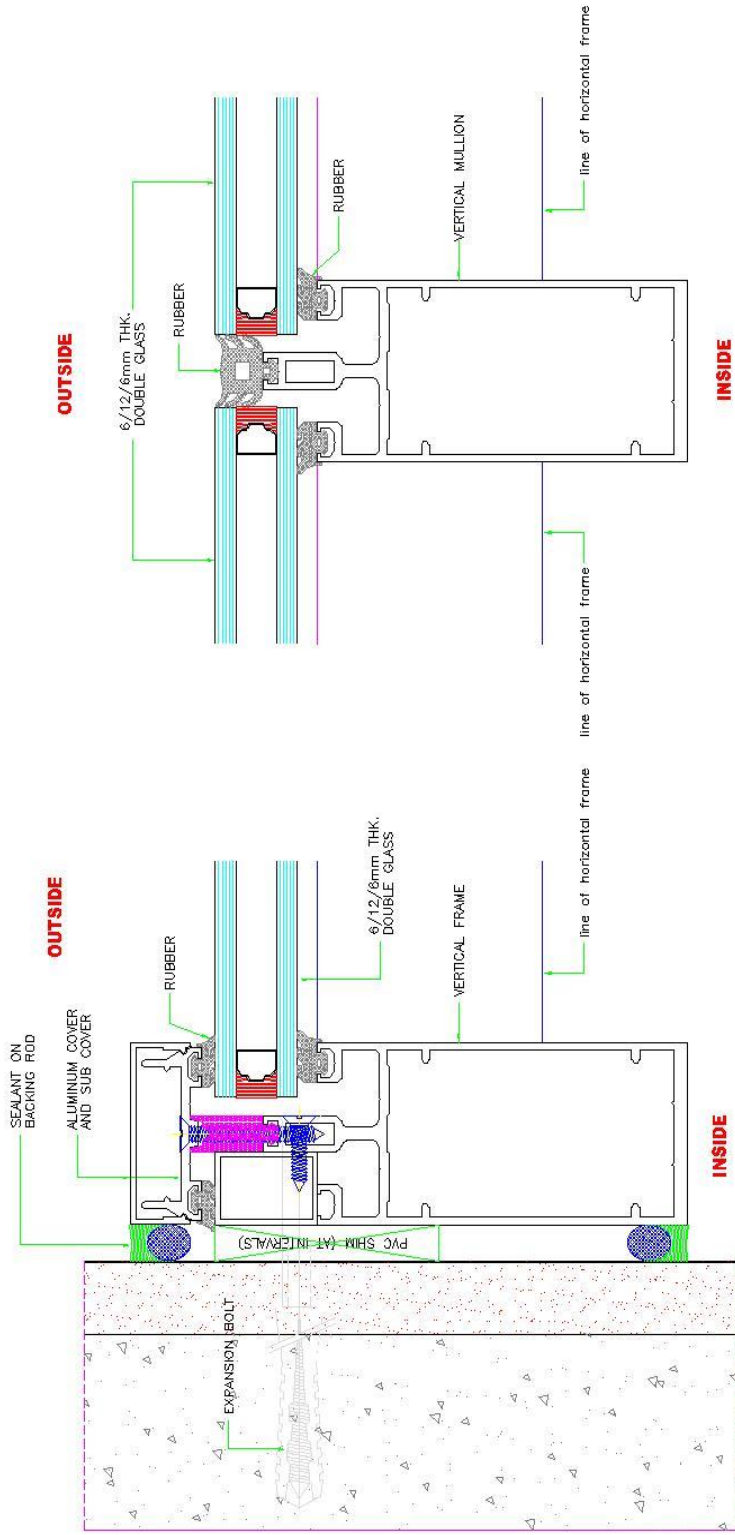
+966 13 812 7776

alu@amg-metal.com

www.amg-metal.com

2<sup>nd</sup> Industrial Area, Dammam, KSA





1 DETAIL  
SCALE N.T.S.

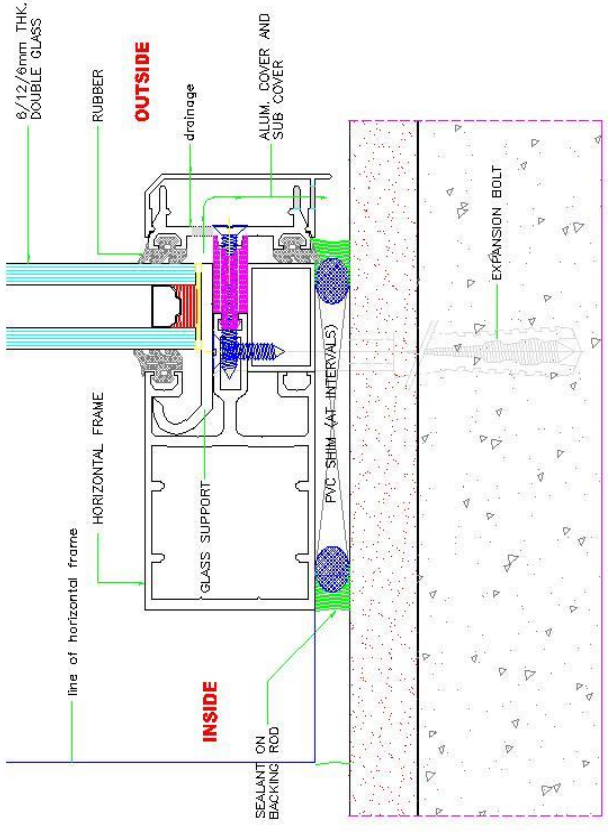
02 DETAIL  
SCALE N.T.S.



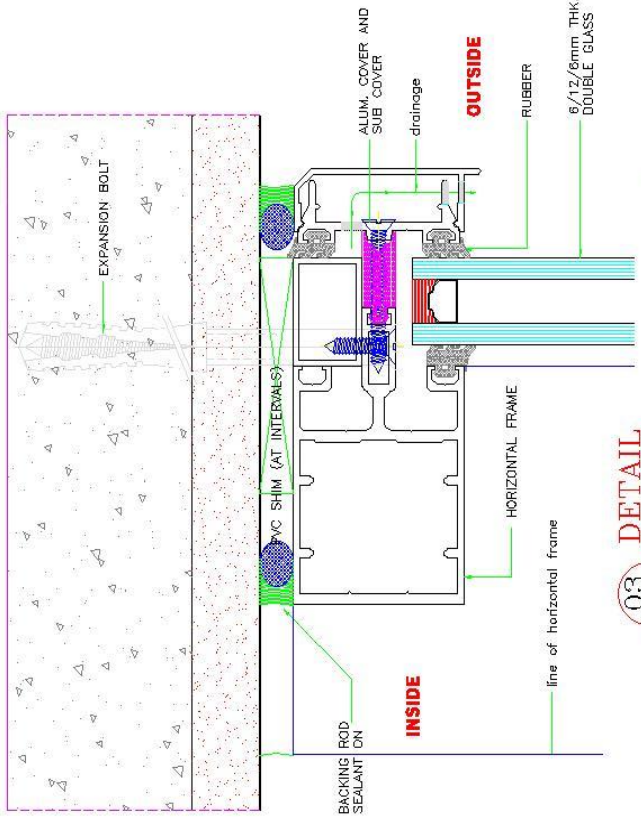
ELEVATION

HORIZONTAL STRUCTURAL GLAZING

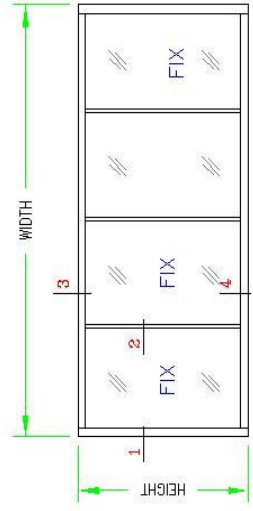
DRAWN BY	Sunny
CHECKED BY	
DATE	22-03-2005
SCALE	NTS.



04 DETAIL  
SCALE N.T.S



03 DETAIL  
SCALE N.T.S



ELEVATION

# HORIZONTAL STRUCTURAL GLAZING

DRAWN BY	Sunny
CHECKED BY	
DATE	22-03-2005
SCALE	NTS.



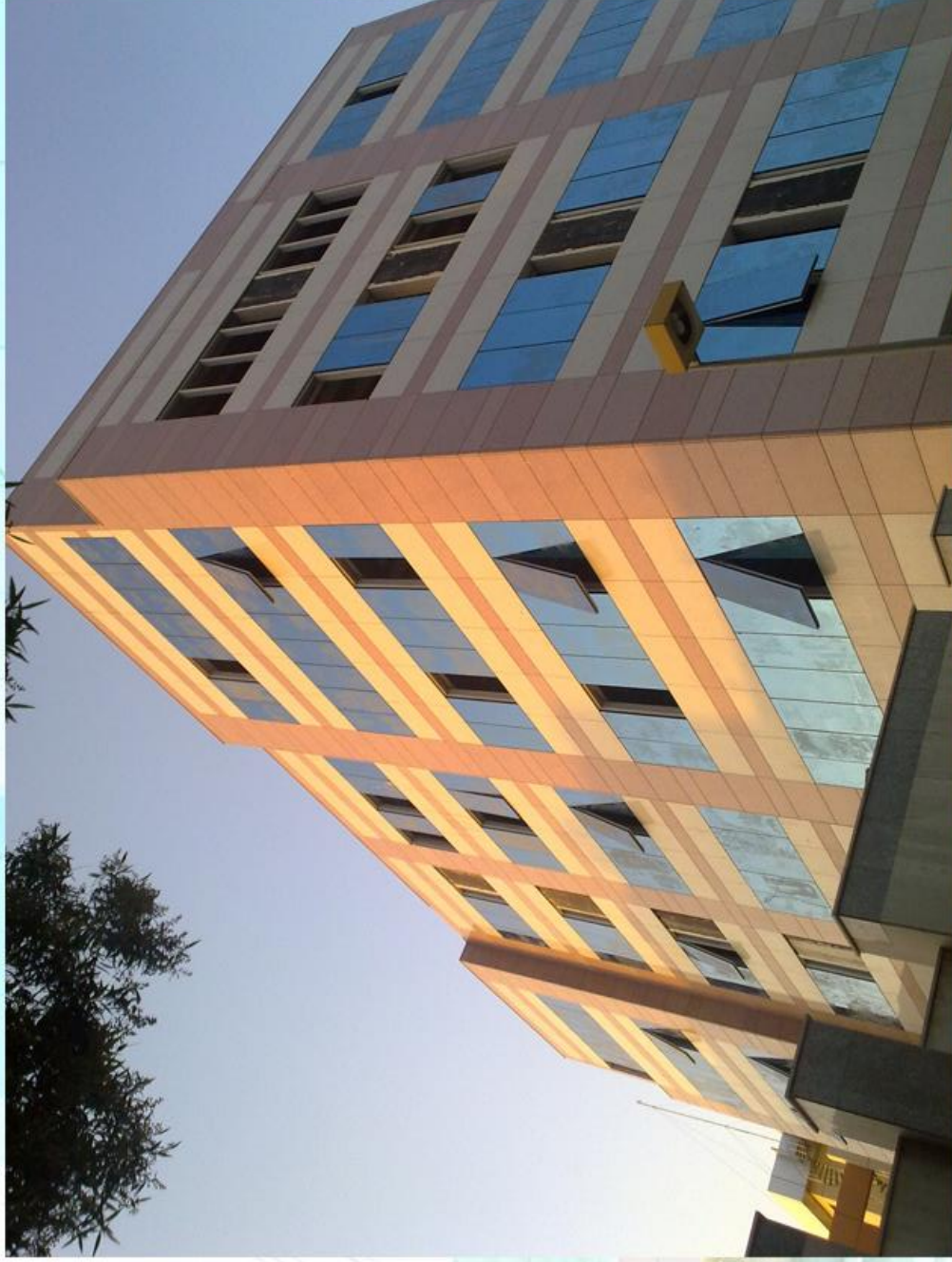


**CUSTOM MADE DESIGNS**



Advanced  
Manufacturing  
For Metal and Glass Co.





# AL SUHAILY COMMERCIAL BUILDING

CONTRACTOR: SHEIKH SAAD SUHAILY

LOCATION: MAKKAH, K. S. A.

CLIENT: SHEIKH SAAD AL SUHAILY  
SCOPE: ALUMINIUM, GLAZING, DOORS & WINDOWS  
WORKS

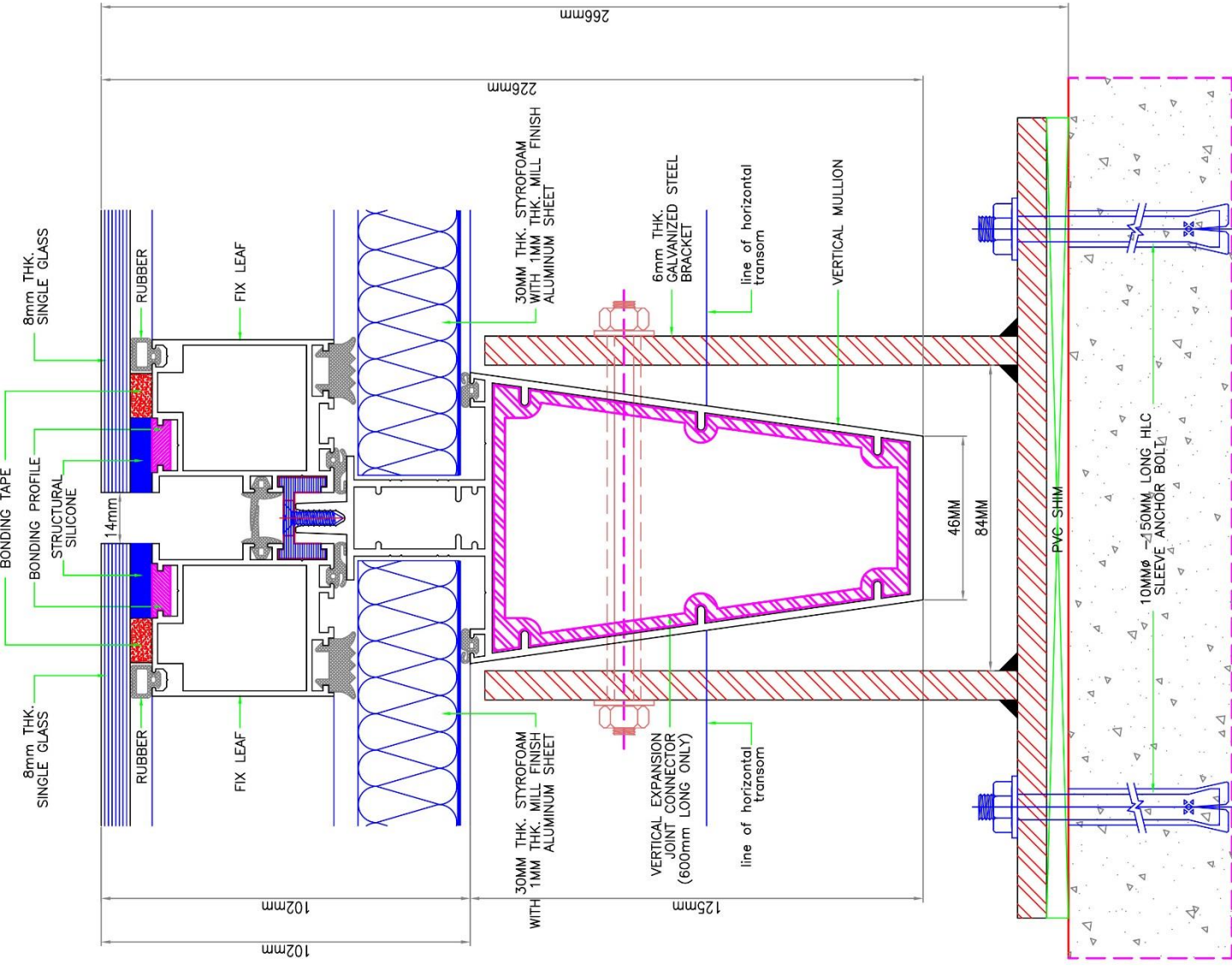
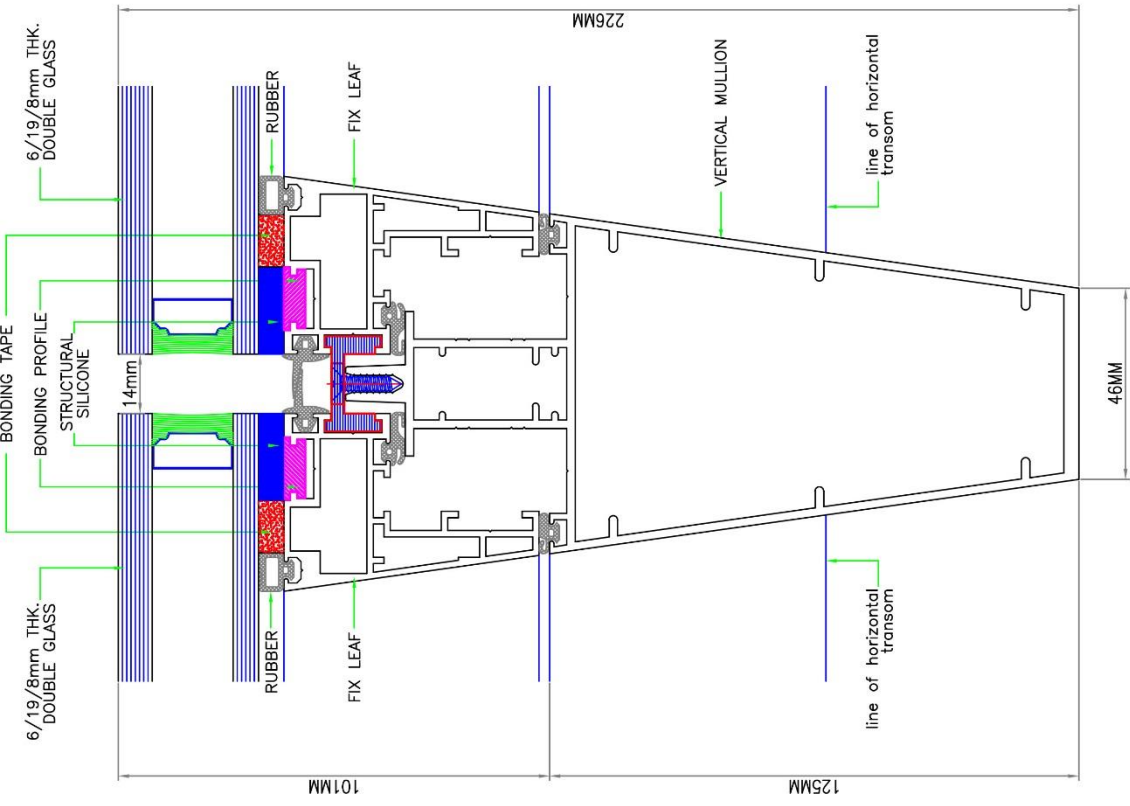
الشركة المتقدمة لتصنيع المعادن و الزجاج  
Advanced Manufacturing for Metal and Glass



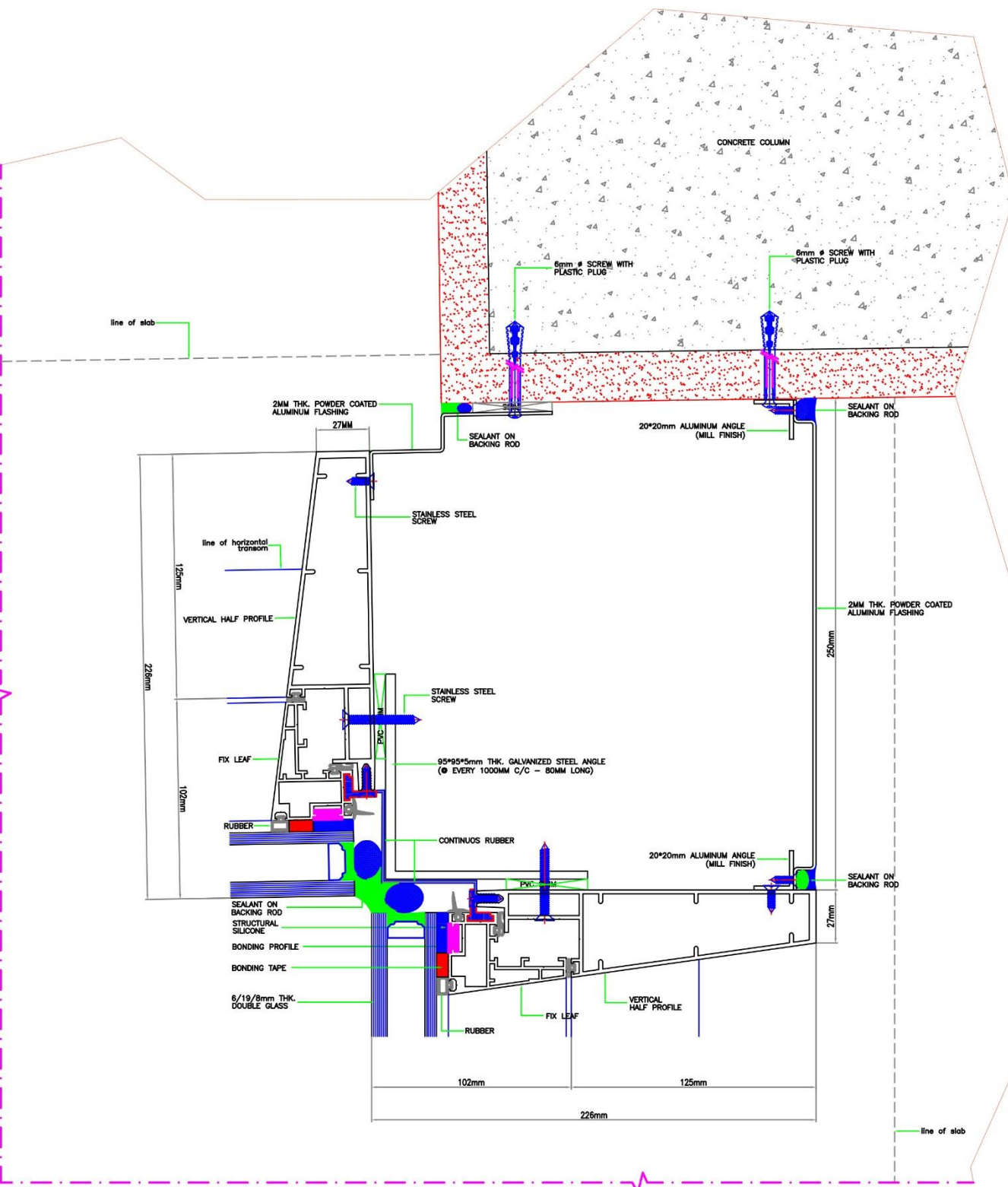
Head Office  
P.O. Box 13431 Dammam 31414  
(T) +9643-812-7776 (F) +9643-812-7420



Riyadh  
P.O. Box 22753 Riyadh 11427  
(T) +96411-496-8777 (F) +96411-496-8772



**01** **DETAIL**  
 SCALE 1:1



**24 DETAIL**  
 SCALE 1:1



# STAINLESS STEEL



Advanced  
Manufacturing  
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## DOOR ENTRANCES



الشركة المتقدمة لتصنيع المعادن و الزجاج

Advanced Manufacturing for Metal and Glass



Head Office



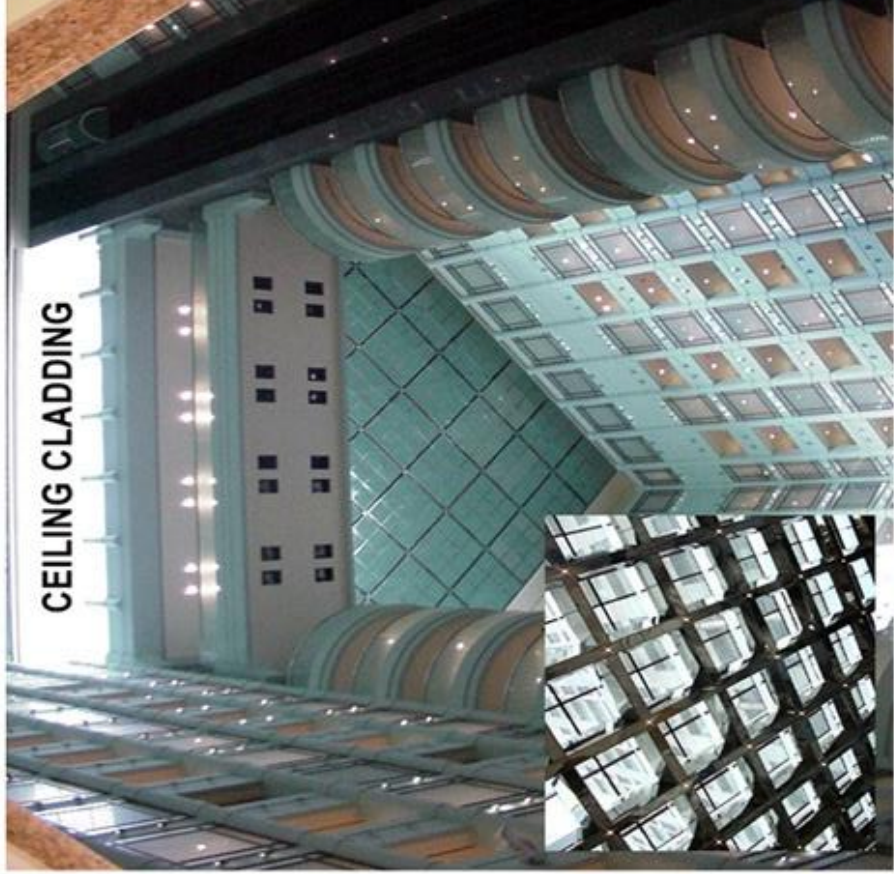
P.O. Box 13631 Dammam 31414

Riyadh P.O. Box 27733 Riyadh 11427

Tel: +96613-812-7778 (11) +96613-812-7670 Fax: +96611-498-4777 (11) +96611-498-8777

www.amg.com.sa

## CEILING CLADDING



## COLUMN CLADDING

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Advanced Manufacturing for Metal and Glass



**Riyadh**  
P.O. Box 13631, Dammam 31414  
(+966) 3-812-7778 (t) (+966) 13-812-7670

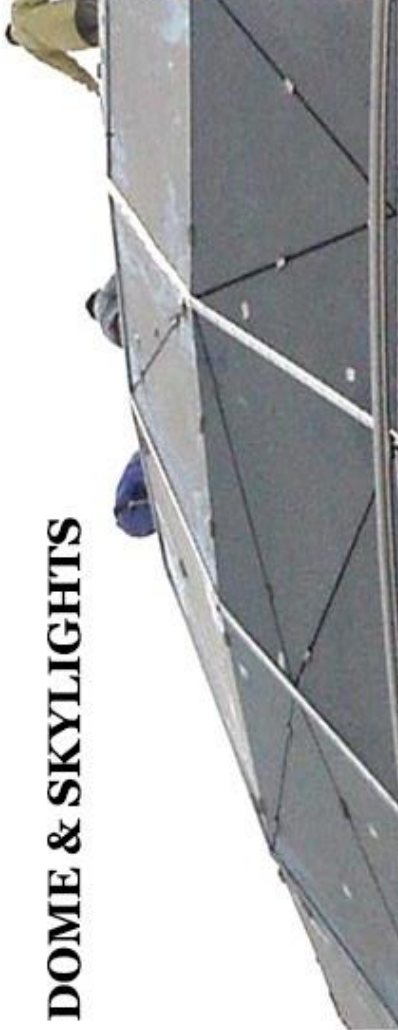


**Riyadh**

P.O. Box 27733, Riyadh 11427  
(+966) 11-498-6777 (t) (+966) 11-498-6777

Member of AMEC

## DOME & SKYLIGHTS





# TEST REPORTS / PQ-APPROVALS



Advanced  
Manufacturing  
For Metal and Glass Co.





Name of Project:

AL JAWHARA TOWER

Location:

Jeddah, KSA

Clients:

Damac Properties Ltd.

+966 13 812 7776



alu@amg-metal.com



www.amg-metal.com



2<sup>nd</sup> Industrial Area, Dammam, KSA



## On-Site Hose Water Penetration Test - Report

<b>AFE's Client:</b> Advanced Manufacturing for Metals and Glass	<b>Date:</b> 04 May 2016
<b>Project:</b> Al Jawhara Tower, Jeddah, KSA	<b>AFE Project No:</b> PD105049
<b>Report no:</b> SR0605 Rev.0	<b>Total no of Pages:</b> 6 + 4

### 1 Introduction

This report describes the hose test performed on installed façade, by Al Futtaim Exova (AFE) - Façade Testing & Advisory Services in Dubai at the request of Advanced Manufacturing for Metals and Glass.

The tests were carried out on 24<sup>th</sup> and 25<sup>th</sup> April 2016 and witnessed wholly or in part by:

Yahya Rawzy Salama - AMG  
Hassan Alshenohy - AMG

The tests were supervised by:

Arun Kumar M - AFE

This report relates only to the location tested and described herein:

### 2 System Description

The system tested was a portion of stick curtain wall installed in the following project in Jeddah, KSA.

▶ Al Jawhara Tower

The test locations / joints were designated by Advanced Manufacturing for Metals and Glass.

### 3 Purpose of Testing

The tests are to determine the weathertightness of a façade system with respect to water penetration. The test method, was in accordance with this method statement and are in accordance with the following standard, except where modified herein.

▶ Water penetration AAMA 501.2-09 (Hose test)

### 4 References

AFE method statement DMH2348/MSrev0

## 5 Apparatus

The test was conducted using a nozzle that produces a solid cone of water droplets with a nominal spread of 30°. (AAMA 501.2 specifies a Type B-25, #6.030 with a 1/2 inch FPT as manufactured by Monarch Manufacturing Works.) The nozzle was used with a 3/4 inch diameter hose and was provided with a control valve and a pressure gauge between the valve and the nozzle. The pressure at the nozzle was adjusted to produce 30-35 psi at the nozzle inlet.

## 6 Test Procedure

The water was directed at the test section and perpendicular to the face of the wall. The nozzle was moved back and forth above approximately five (5) linear feet / 1.5m of the framing and joints, at a distance of 1 foot / 300mm from the most exterior surface of the wall for a period of five (5) minutes. The nozzle pressure was set to 30-35 psi.

Working from the exterior, the wall test section was selectively wetted, progressing from the lowest horizontal framing member. During the test, an observer on the indoor side of the wall checked for any leakage and noted where it occurred.

## 7 Performance Criteria

Water leakage is defined as any uncontrolled water that appears on any normally exposed interior surfaces, that is not contained or drained back to the exterior, or that can cause damage to adjacent materials or finishes. Water contained within drained flashings, gutters and sills is not considered water leakage. The collection of up to one half ounce of water (15 ml) in a five minute test period on top of an interior stop or stool integral with the system shall not be considered water leakage.

## 8 Test Results / Observations

Date	Location	Result	Observations
24 Apr. '16	Location #1, Horizontal and Vertical joints, East Elevation, Level 27, Flat no 2701 as marked up in drawing no. AMG-ALU-JAWH-AB-10 Rev. 0 attached. Tested areas are marked up in red.	Pass	No water ingress was observed.
24 Apr. '16	Location #2, Horizontal and Vertical joints, East Elevation, Level 09, Flat no 0901 as marked up in drawing no. AMG-ALU-JAWH-AB-10 Rev. 0 attached. Tested areas are marked up in red.	Pass	No water ingress was observed.

25 Apr. '16	Location #3, Horizontal and Vertical joints, North Elevation, Level 35, Flat no 3502 as marked up in drawing no. AMG-ALU-JAWH-AB-09 Rev. 0 attached. Tested areas are marked up in red.	Pass	No water ingress was observed.
25 Apr. '16	Location #4, Horizontal and Vertical joints, West Elevation, Level 35, Flat no 3502 as marked up in drawing no. AMG-ALU-JAWH-AB-11 Rev. 0 attached. Tested areas are marked up in red.	Pass	No water ingress was observed.
25 Apr. '16	Location #5, Horizontal and Vertical joints, North Elevation, Level 30, Flat no 3001 as marked up in drawing no. AMG-ALU-JAWH-AB-09 Rev. 0 attached. Tested areas are marked up in red.	Pass	No water ingress was observed.
25 Apr. '16	Location #6, Horizontal and Vertical joints, South Elevation, Level 37, Flat no 3706 as marked up in drawing no. AMG-ALU-JAWH-AB-08 Rev. 0 attached. Tested areas are marked up in red.	Pass	No water ingress was observed.
25 Apr. '16	Location #7, Horizontal and Vertical joints, East Elevation, Level 37, Flat no 3706 as marked up in drawing no. AMG-ALU-JAWH-AB-10 Rev. 0 attached. Tested areas are marked up in red.	Pass	No water ingress was observed.
25 Apr. '16	Location #8, Horizontal and Vertical joints, South Elevation, Level 27, Flat no 2708 as marked up in drawing no. AMG-ALU-JAWH-AB-08 Rev. 0 attached. Tested areas are marked up in red.	Pass	No water ingress was observed.

Note: Tests were conducted only at the areas where access was available from inside as marked in the elevation drawings.

We understand from AMG that hose tests were earlier conducted by AMG on the installed façade as part of their internal quality assurance process. However AFE was neither a party to it nor witnessed the test, hence this could not be verified.

## APPENDIX A Photographs



Photo 1 Water penetration test in progress

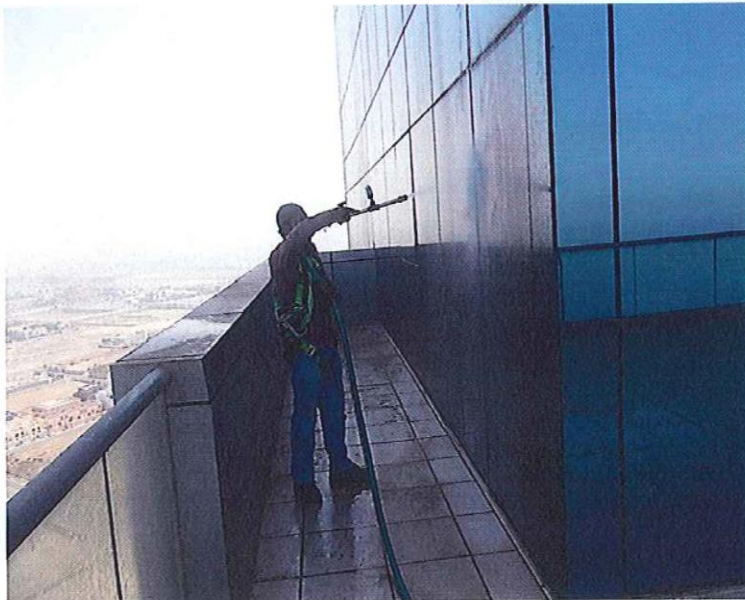


Photo 2 Testing on the balcony façade

## APPENDIX B

### Drawings

The following four un-paginated sheets are copies of Advanced Manufacturing for Metals and Glass drawings numbered below, showing the test locations.

- ▶ AMG-ALU-JAWH-AB-08
- ▶ AMG-ALU-JAWH-AB-09
- ▶ AMG-ALU-JAWH-AB-10
- ▶ AMG-ALU-JAWH-AB-11



GENERAL NOTES:-

- TEMPERED GLASS
- ALU.LOUVER
- LAMINATED GLASS
- ALU.CLADDING

KEY PLAN

NO.	DATE	DESCRIPTION	BY
101	10/10/2018	PRELIMINARY	MM
102	10/10/2018	PRELIMINARY	MM
103	10/10/2018	PRELIMINARY	MM
104	10/10/2018	PRELIMINARY	MM
105	10/10/2018	PRELIMINARY	MM
106	10/10/2018	PRELIMINARY	MM
107	10/10/2018	PRELIMINARY	MM
108	10/10/2018	PRELIMINARY	MM
109	10/10/2018	PRELIMINARY	MM
110	10/10/2018	PRELIMINARY	MM

DAMAC PROPERTIES CO. LTD.

PROJECT: AL JAMHARIYAH TOWER PROJECT

CLIENT: DAMAC PROPERTIES CO. LTD.

DESIGNER: DAMAC PROPERTIES CO. LTD.

DATE: 10/10/2018

SCALE: 1:100

NO. OF FLOORS: 42

NO. OF UNITS: 1000

NO. OF PARKING SPACES: 100

NO. OF STAIRS: 10

NO. OF LIFTS: 10

NO. OF ELEVATORS: 10

NO. OF ESCALATORS: 10

NO. OF RAMPWAYS: 10

NO. OF ROOFS: 10

NO. OF TERRACES: 10

NO. OF BALCONIES: 10

NO. OF PORCHES: 10

NO. OF LOBBIES: 10

NO. OF RECEPTIONS: 10

NO. OF OFFICES: 10

NO. OF RESIDENTIAL UNITS: 10

NO. OF COMMERCIAL UNITS: 10

NO. OF PUBLIC AREAS: 10

NO. OF SERVICE AREAS: 10

NO. OF MECHANICAL AREAS: 10

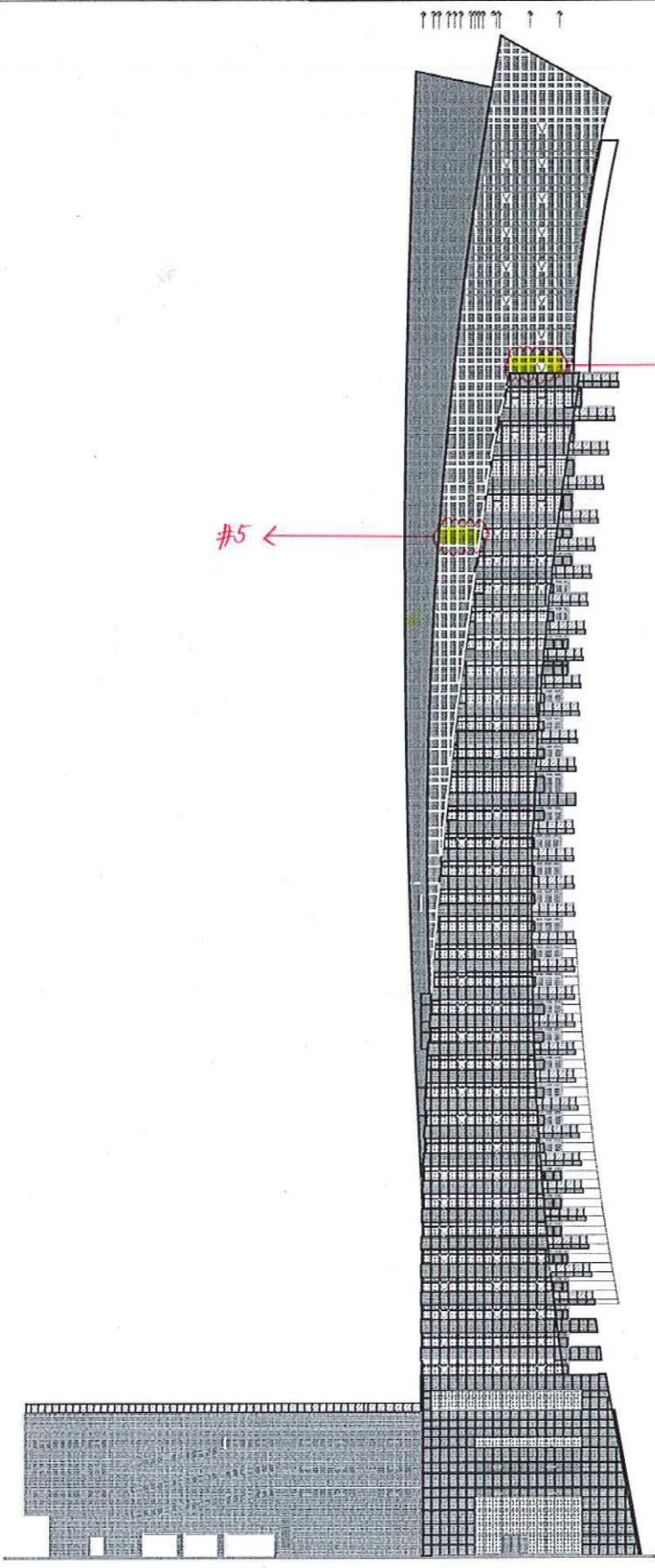
NO. OF ELECTRICAL AREAS: 10

NO. OF PLUMBING AREAS: 10

NO. OF FIRE PROTECTION AREAS: 10

NO. OF SECURITY AREAS: 10

NO. OF OTHER AREAS: 10



FLOOR	NO.	DATE	DESCRIPTION	BY
42				
41				
40				
39				
38				
37				
36				
35				
34				
33				
32				
31				
30				
29				
28				
27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12A				
12				
11				
10				
9				
8				
7				
6				
5				
4				
3				
2				
1				
HC				
P3				
P2				
P1				
G				







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Table 1 Document Status

Rev No.	Author	Reviewer		Approved for Issue		
		Name	Signature	Name	Signature	Date
0	Arun Kumar M	Ranjith P. Operations Manager		Manoj Kumar Laboratory Manager		09/05/16





Name of Project:  
Location:  
Clients:

DAMAC TWIN TOWER  
Riyadh, KSA  
Damac Properties Ltd.

+966 13 812 7776

[alu@amg-metal.com](mailto:alu@amg-metal.com)

[www.amg-metal.com](http://www.amg-metal.com)

2<sup>nd</sup> Industrial Area, Dammam, KSA



## Façade Testing & Advisory Services

29 September 2016

To	<b>Advanced Manufacturing for Metal &amp; Glass</b>	Tel. / Fax	By email
Attention	<b>Khalid Kashef</b>	Fax ref.	CLF14614
From	Akhil Chacko	AFE tel.	04 886 8715
Email	Akhil.Chacko@Exova.com	AFE fax	04 885 6795
Project	<b>Damac Twin Residence Towers, Riyadh</b>	Pages	1
Subject	<b>Preliminary Test Report</b>		

Dear Sir,

As requested, please find the following results of the laboratory main tests performed on the above mentioned sample on 25<sup>th</sup> September 2016.

The test methods were in accordance with the AFE - Façade Testing & Advisory Services method statement DMC2385/Msrev0 and were in accordance with the following standards:

- ▶ Air infiltration ASTM E283-04
- ▶ Water penetration (static pressure) ASTM E331-00
- ▶ Wind resistance ASTM E330-14
- ▶ Water penetration (dynamic pressure) CWCT Section 7
- ▶ Inter-storey displacement (left/right) AAMA 501.4-00
- ▶ Inter-storey displacement (up/down) Project specific

The following table summarises the main tests performed on the above mentioned sample:

DATE	TESTS	RESULT	REMARKS
25 Sept. '16	Pre -load @ +1191 Pa	-	-
25 Sept. '16	Air infiltration @ +300Pa	Pass	Air infiltration readings were within allowable limits.
25 Sept. '16	Static air pressure water penetration @ 1429Pa	Pass	No water ingress was observed.
25 Sept. '16	Dynamic air pressure water penetration	Pass	No water ingress was observed.
25 Sept. '16	Wind resistance – serviceability @ +2382 Pa & -2382 Pa	Pass	Deflections were within allowable limits.
25 Sept. '16	Static air pressure water penetration @ 1429Pa	Pass	No water ingress was observed.
25 Sept. '16	Inter-storey displacement - up & down @ ±5mm; 3 Cycles	Pass	No visual damage was observed.
25 Sept. '16	Inter-storey displacement - left & right @ ±7.5 mm; 3 Cycles	Pass	No visual damage was observed.

---

25 Sept. '16	Static air pressure water penetration @ 1429Pa	Pass	No water ingress was observed.
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This is only a preliminary report supplied at the request of Advanced Manufacturing for Metal & Glass. AFE accept no responsibilities in the way in which these results are used or interpreted. A comprehensive report containing the sample details, drawings, any variations from the drawings, photographs and other test conditions will be issued two weeks after the completion of the test sequence.

Yours faithfully,  
Al Futtaim Exova (AFE),

**Akhil Chacko**



Project Engineer - Façade Testing & Advisory Services

Name of Project:

Rafal Living Tower

Location:

Riyadh, KSA

Clients:

DSACC



## RAFAL LIVING PROJECT Riyadh, KSA

### PMU Final Test Inspection Report # 01

Project Title : RAFAL LIVING PROJECT

Project No. : MFDB-16-80019

PMU Test Date: 25<sup>th</sup> & 26<sup>th</sup> July 2018

Inspection for the Dismantling of PMU Specimen: 1<sup>st</sup> August 2018

To:	Name:	Company:	Email:
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	Mohammed Jabr	ERGA	moj@ergasaudi.com
	Paul Grove	MFT	Paul.grove@mfacade.com
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Gold and Diamond Park  
Building 5 Office 125-126 PO Box 282478  
Sheikh Zayed Road, Dubai



Date	Revision	Prepared By	Checked By	Approved By
25 <sup>th</sup> & 26 <sup>th</sup> July 2018 & 1 <sup>st</sup> Aug. 2018	Rev 0	ET/JB	DC/PG	DC/PG

### 3.0 CONCLUSION

#### 3.1 SUMMARY OF TESTS AND RESULTS

Test Description	Test Date	MFT's comment
Air Infiltration & Exfiltration Test	25 <sup>th</sup> July 18	Failed
Air Infiltration & Exfiltration Re-Test	25 <sup>th</sup> July 18	Passed
Static Water Penetration Test	25 <sup>th</sup> July 18	Passed
Wind Resistance (Serviceability) Test	25 <sup>th</sup> July 18	Passed
Repeat Air Infiltration & Exfiltration Test	25 <sup>th</sup> July 18	Passed
Repeat Static Water Penetration Test	25 <sup>th</sup> July 18	Passed
Wind Resistance (Safety) Test	25 <sup>th</sup> July 18	Passed
Impact Test	26 <sup>th</sup> July 18	Passed
Controlled Dismantle	1 <sup>st</sup> Aug. 18	Passed

#### 3.2 GENERAL

Notwithstanding the above, the Independent Test Report of Al Futtaim Exova should be reviewed for the details of test results, as well as test methodology.

**---End of Report---**