

# Company Profile



SAVING PROPERTY  
PROTECTING LIVES



required



# STYLE METAL

[www.stylemetaldors.com](http://www.stylemetaldors.com)



# Vision

Our **V**ision in **Style Metal** highly exceeds the one of common Vendor. We have devised the strategy of constant improvement and efficiency and we are focused on quality, reliability, trust, professionalism and ethic.

Over the years we worked very hard to create exclusive and professional approaches for each assignment whether it is a labour camp, a tower, a school or any other project, we are striving to reach uncompromising quality and unmatched speed.

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**S**tyle Metal answers the overwhelming demand of nation on quality, safe and reliable metal doors. With its expertise in the industry founded year 2006 located at Al Qusais Industrial Area No. 3 Dubai, United Arab Emirates rest assured that you are truly in good hands. With its efficiency from planning, implementation, mass production and the strict compliance policy on quality... no one could ever measure up to the standard of Style Metal .

A handwritten signature in black ink, appearing to be 'D. Al-F...', located in the bottom right corner of the page.



## **Mission**

Our mission is to manufacture high quality products for local market needs and overseas projects and meet our customers expectations and delivering our products before it delivery time.





In accordance with timeline and never stop improving the skills in providing better services and being Client-oriented.

# INTRODUCTION

**Style Metal** was founded in 2006 under the group of company called HAG Metal and set at Al Qusais Industrial Area No3 in Dubai, UAE. The company was established to meet the growing need of the market and answers the demand of the Clients, providing high-quality metal doors production and professional installation.





Dustries Group creates that synergy where big complex projects can be performed under one management team. With our 10 years of experience and numerous projects completed over the years we can guarantee our Clients that if they choose **Style Metal** they choose well-reputed experienced company with impressive record. The factory is highly efficient and adhere strict safety measures and follows quality management rules that allows to make planning and implementation of the projects easy and smooth.



The assurance that we are giving to our Clients is a result of hard work of the team, our common wish not only to do the job but put into it a piece of our hearts and respect to the client, make sure that once you start to work with **Style Metal** you will keep coming back so and we will have pleasure to work many years in mutually profitable cooperation.





# Licenses and Certification



## رخصة صناعية Industrial License

### تفاصيل الرخصة / License Details

License No.	584979	رقم الرخصة	
Company Name	STYLE METAL MANUFACTURING (L L C)	اسم الشركة	
Trade Name	STYLE METAL MANUFACTURING (L L C)	الإسم التجاري	
Legal Type	Limited Liability Company(LLC)	الشكل القانوني	
Expiry Date	18/08/2019 تاريخ الإنتهاء	Issue Date	19/08/2006 تاريخ الإصدار
D&B D-U-N-S ® N	561527156 الرقم العالمي	Main License No	584979 رقم الرخصة الام
Register No.	998573 رقم السجل التجاري	DCCI No.	112062 عضوية الغرفة

### الاطراف / License Members

Share / الحصة	Role / الصفة	Nationality / الجنسية	Name / الإسم	No./رقم الشخص
	Manager / مدير	Egypt / مصر	هاني جمال ابو العيظ / hani gamal abu elghit	319343

### نشاط الرخصة التجارية / License Activities

Building Metal Products Manufacturing	صناعة الاشغال المعدنية للمباني
Fire Resistant Doors Manufacturing	صناعة الأبواب المقاومة للحريق

### العنوان / Address

Phone No	971-4-2679645	تليفون	P.O. Box	231072	صندوق بريد
Fax No		فاكس	Parcel ID	365-300	رقم القطعة
Mobile No	971-50-8687270	هاتف متحرك			ملك مؤسسة دبي العقارية - التصييص الصناعية الثانية - S03-A مصنع رقم

### الملاحظات / Remarks

تم تغيير نسب الحصص للشركاء في 26 - 9 - 2012.  
تم نقل الموقع بتاريخ 2018-09-09

يمنع مزاوله نشاط الشركة الخاص بالدفاع المدني قبل أخذ موافقة الادارة العامة للدفاع المدني- دبي  
The Company Shall not Carry on The DCD activities unless approved by Dubai Civil Defence

Print Date 09/09/2018 15:09 تاريخ الطباعة Receipt No. رقم الإيصال

يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/اتصالات) للحصول على اذن الدفع.  
Now you can renew your trade license by sending a text message (SMS). Send your trade license number to 6969 (Du/ Etisalat) to receive payment voucher.

وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية. لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع [www.dubaided.gov.ae](http://www.dubaided.gov.ae)  
Approved electronic document issued without signature by the Department of Economic Development. To verify the license kindly visit [www.dubaided.gov.ae](http://www.dubaided.gov.ae)





# إطار السلامة المهنية - أمن وإنتاج وترخيص الشركات



دولة الإمارات العربية المتحدة  
وزارة الداخلية  
الإدارة العامة للدفاع المدني - دبي  
United Arab Emirates  
Ministry of Interior  
DCD General Directorate

Tel.: 009714 2611111  
Fax : 009714 2612449  
P.O. Box 11377 Dubai  
United Arab Emirates

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www.dcd.gov.ae

M14  
2018  
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## ترخيص مصنع - بإمارة دبي

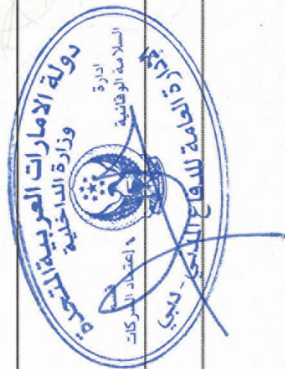
رقم الترخيص:  
سنة الترخيص:  
عدد التراخيص:

تم إصدار الترخيص استناداً إلى القرار الوزاري رقم (213) لسنة 2017 ، في شأن تنظيم خدمات الدفاع المدني

رقم الرخصة	584979	رقم السجل	998573	اسم المصنع	ستايل ميتال للصناعات المعدنية
الإمارات	الإمارات	الإمارات	الإمارات	اسم صاحب الترخيص	سعود قاسم عبدالكريم عبدالله عري
الجنسية	***	الجنسية	***	أطراف الرخصة	***
ص.ب:	04-2679659	رقم الفاكس	231072	رقم الهاتف	04-2679645
تاريخ الانتهاء	2019/05/09	تاريخ الإصدار	2018/08/30	عنوان الشركة	دبي - القصيص الصناعية الثالثة
الموقع / البريد الإلكتروني	2006/08/19	تاريخ الإصدار	2018/08/30	الموقع / البريد الإلكتروني	info@stylemetal.ae
تأسست بتاريخ	2006/08/19	تاريخ الإصدار	2018/08/30	تأسست بتاريخ	2006/08/19

عدد المعدات والأجهزة المعتمدة

1



يعتمد/ عن مدير الإدارة العامة للدفاع المدني/دبي

أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن والسلامة





## الإدارة العامة للإطفاء Kuwait Fire Service Directorate



الإشارة : م ط / وق / ١٥٠ -

التاريخ : ٢٠١٦ / ١١ / ٦ م

المحترمين

السادة / شركة بيرفكت تيم للتجارة العامة والمقاولات  
تحية طيبة وبعد ،،،

الموضوع : اعتماد أبواب معدنية مقاومة للحريق  
صنع الشركة الاماراتية Style Metal Manufacturing

بالإشارة إلى الموضوع أعلاه ، وردا على طلبكم المؤرخ في ٢٠١٦/١٠/١٢ ، وبعد دراسة  
الكتالوجات الفنية والشهادات المقدمة من المختبر الأمريكي UL رقم (R25675) ، وبعد اجتماع لجنة  
المعدات رقم (٢٠١٦/١٦) بتاريخ ٢٠١٦/١١/٢ ، نود أن نعلمكم بأنه لا مانع لدينا من اعتماد أبواب معدنية  
مقاومة للحريق صنع الشركة الاماراتية المذكورة حسب البيانات الواردة في الجداول التالية.

Door Fire Rated - Leaf Size						
S. No.	Rating Integrity (Minutes)	Configuration	Maximum Leaf Size	Insulation (min.)	Smoke	Glazing Area (m <sup>2</sup> )
			Height x Width x Thickness (mm)			
1	120 (FD120C)	Single Acting, Single Leaf Door	2200 x 1139 x 46	None	None	None
2		Single Acting, Double Leaf Door	2200 x 2100 x 46			



١/٢



## الإدارة العامة للإطفاء Kuwait Fire Service Directorate



الإشارة : م ط / وق / ١٥٠ -

التاريخ : ٢٠١٦ / ١١ / ٦ م

Frame and Hardware Specification	
Door Frame	Pressed-steel type 1.5mm
Hinges	Stainless Steel, 4x3x3 Inox (USA) 4 Nos. hinges each leaf
Lever Handle/Lockset	Mortise sashlock, Inox (USA)
Core	Honeycomb
Overhead Door Closer	Inox
Tolerances	3.0 mm $\pm$ 1.0mm

شريطة التقيد بجميع لوائح ومواصفات الإدارة العامة للإطفاء الخاصة بتجارة وصيانة معدات وأنظمة الإنذار والمكافحة وتوفير قطع الغيار وعمل الصيانة اللازمة لها ، حيث يجب توفير اسم وموديل المعدة وأيضاً اسم وشعار المختبر ورقم التسجيل على المعدة ، وتقديم الكتالوجات الفنية للدراسة والاعتماد لكل مشروع على حده قبل التنفيذ . علماً بأن هذه الموافقة صالحة لمدة سنتين من تاريخه.

وتفضلوا بقبول فائق الاحترام،،،

نائب المدير العام لشئون الوقاية

15  
الإدارة العامة للإطفاء  
الكويت



نسخة إلى  
مراقبة اعتماد مقاولي وتجارة معدات الإطفاء  
الملف /

٢/٢



United Arab Emirates  
Ministry of Interior  
Civil Defense G.H.Q.  
General Directorate of Civil Defence Dubai



دولة الإمارات العربية المتحدة  
وزارة الداخلية  
القيادة العامة للدفاع المدني  
الإدارة العامة للدفاع المدني / دبي

الرقم: 2018-153-1091000LCA

## "شهادة استيفاء شروط السلامة الوقائية"

صدرت هذه الشهادة استناداً إلى قرار مجلس الوزراء رقم (24) لسنة 2012م في شأن تنظيم خدمات الدفاع المدني بالدولة:

الإسم التجاري للانشاء: مثيل مثيل للصناعات المعدنية(ش. ذ. م.) رقم الرخصة: 584979 رقم الأرض: 2460187  
الكلن بمنطقة: التصيص الصناعية 3 تاريخ الإصدار: 03/06/2018 تاريخ الانتهاء: 02/06/2019  
وقد وجد مستوفٍ لشروط السلامة الوقائية.

ملاحظات:

- سببت الرموم بإرسال رقم ( 1402109114 )
- يجب الالتزام باعتماد عقود الصيانة الدورية لأجهزة ومعدات السلامة و الوقائية من الحريق من إحدى الشركات المعتمدة.
- أي تعديلات في أنظمة ومعدات السلامة و الوقائية من الحريق أو النشاط يتطلب موافقة مسبقة من الدفاع المدني.
- يجب ربط المنشأة بالإنظمة التكية (24x7).
- في حال الإخلال بأي من التزامات السلامة الوقائية سيتم مخالفة المنشأة (تتوزج المخالفات خلف الشهادة) -
- توضح الشهادة في مكان بارز وواضح للعيان.
- مراجعة الدفاع المدني سنوياً للكشف على المنشأة.

هذه الشهادة معتمدة إلكترونياً ولا تحتاج إلى توقيع

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للتأكد من صحة بيانات الشهادة / <http://eservices.dcd.gov.ae>

هاتف : 8009997  
نظام الشكاوي: [www.ecomplain.ae](http://www.ecomplain.ae)

للموقع الإلكتروني: [www.dcd.gov.ae](http://www.dcd.gov.ae)  
نظام المقترحات: <http://esuggest.dubai.ae>

رؤيتنا: أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم أياً وسكياً.





# UL Report





# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140128-R25674  
**Report Reference** R25674-20140127  
**Issue Date** 2014-JANUARY-28

**Issued to:** STYLE METAL MFG L L C  
Po Box 231072 Al Qusais Dubai UNITED ARAB  
EMIRATES


**This is to certify that  
representative samples of**

**FIRE DOOR AND FIRE WINDOW FRAMES**  
The single-unit type, pressed-steel frames for masonry  
walls at least 2 inches (50.8 mm) thick.

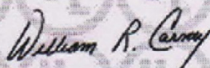
Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** Outline of Investigation for Fire Door Frames, UL Subject 63  
**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's  
Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle:  with the  
word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category  
name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



William R. Carney, Director, North American Certification Programs  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at [www.ul.com/contactus](http://www.ul.com/contactus)





# CERTIFICATE OF COMPLIANCE

Certificate Number 20140131-R25675  
Report Reference R25675-20140131  
Issue Date 2014-JANUARY-31

Issued to: STYLE METAL MFG L L C  
Po Box 231072  
Al Qusais  
Dubai UNITED ARAB EMIRATES

This is to certify that  
representative samples of

SWINGING-TYPE FIRE DOORS,  
POSITIVE-PRESSURE TESTED


A single and double swinging type fire door  
Model FD120C, steel hollow metal type, Honeycomb core,  
intended for 2h (where applicable), 1-1/2h, 1h and 3/4h  
locations for use in masonry constructions.

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

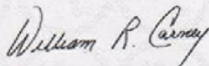
Standard(s) for Safety: ANSI/UL 10C, Positive Pressure Fire Tests of Door  
Assemblies;  
ANSI/UL 10B, Fire Tests of Door Assemblies

Additional Information: See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Classification Mark should be considered as being covered by  
UL's Classification and Follow-Up Service.

The UL Classification Mark includes: UL in a circle: with the word "CLASSIFIED"  (as shown); a control  
number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of  
the product; and the product category name (product identity) as indicated in the appropriate UL  
Directory.

Look for the UL Classification Mark on the product.



William R. Carney, Director, North American Certification Programs  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at [www.ul.com/contactus](http://www.ul.com/contactus)





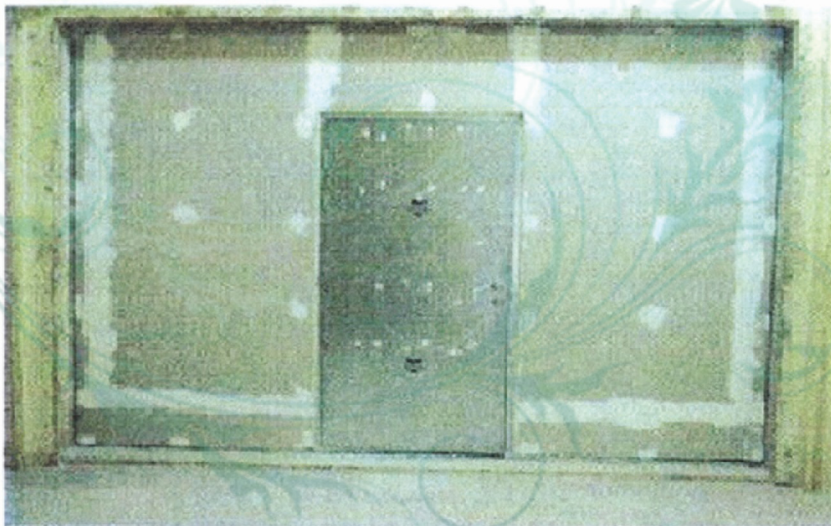
## FAÇADE TESTING & ADVISORY SERVICES

Client: Style Metal Manufacturing

Project: System Development

Laboratory Acoustic Testing of a Sample  
of Steel Door

Report no: DLR1230 Rev.0



## Summary of Test Results

The following summarises the results of the tests carried out.

### 1.1 Acoustic Performance Tests

The sample was tested in accordance with ASTM E90-09 and classified in accordance with ASTM E413-04.

The Sound Transmission Class of the sample was **39 dB**.

The above results are valid only for the sample tested and the conditions under which the tests were conducted.





**National Fire Protection Association**  
The authority on fire, electrical, and building safety

# NATIONAL FIRE PROTECTION ASSOCIATION

**BE IT KNOWN THAT NFPA® RECOGNIZES**

**STYLE METAL MANUFACTURING LLC**

as a Member in Good Standing and is Entitled to all the Rights,  
Honors and Privileges of Membership.



In witness thereof, the Seal of this Association  
and the signature of its duly appointed officer is  
affixed to this certificate.

September 28, 2016

Date of Issue

A handwritten signature in black ink, appearing to read 'Jim Pauley'.

Jim Pauley, President





# Bureau of Assessment Services

Managing Assurance with Confidence

## Certificate of Registration

This is to certify that

### Style Metal Manufacturing LLC

P.O. Box: 231072, Industrial Area No. 3, Al Qusais, Dubai, United Arab Emirates.

has been assessed by Bureau of Assessment Services and hereby attests that the organization complies with the requirements of Quality Management System in accordance with

### ISO 9001:2015 (Quality Management System)

The Quality Management System is applicable to:

#### Manufacturing of Fire-Rated Steel Doors and Metal Works.

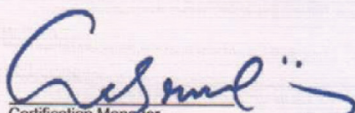
[EA/NACE: 17/25.12]

Initial certification date : 17-December-2013

Certificate issue date : 15-January-2017

Certificate valid till : 16-December-2019

Certificate No : AE-BAS-Q0004813

  
Certification Manager  
Bureau of Assessment Services



This certificate is validated through annual surveillance



Further clarification regarding the scope of the certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.

This certificate remains valid while the holder maintains the management system in accordance with the standard above, which will be audited by Bureau of Assessment Services through surveillance audits. This certificate remains the property of Bureau of Assessment Services. Lack of fulfillment of conditions as set out in the certification agreement may render this certificate invalid.

Issuing Country: Bureau of Assessment Services LLC, P.O. Box: 116896, Al Karama, Dubai, United Arab Emirates.







# Certificate of Assessment

Awarded to

## STYLE METAL MANUFACTURING LLC

at

P.O.BOX NO: 231072, WAREHOUSE 1, BIN DAHER, AL QUSAIS INDUSTRIAL AREA 3,  
DUBAI, UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS requirements for registration of the management system standard detailed below:

### OHSAS 18001:2007

Occupational Health and Safety Management Systems

Scope of work

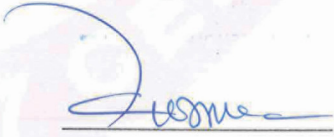
MANUFACTURING OF FIRE RATED STEEL DOORS

Certificate No: DQU-30100

Originally Registered: 05 MAY 2015

Latest Issue: 06 MAY 2017

Valid up-to: 04 MAY 2018

  
Quality Registrar Systems



CB-037-MS

**MANAGING OFFICE ADDRESS:**

Quality Registrar Systems  
P.O. Box :26826 Abu Dhabi,  
United Arab Emirates



WORLD WIDE CERTIFICATION

Tel: +971-2-6714302

Fax: +971-2-6741449

[www.qrsyst.com](http://www.qrsyst.com)

Quality Registrar Systems is accredited by Dubai Accreditation Department (DAC)  
for the Scope mention on Quality Registrar Systems (QRS) Accreditation Certificate No. CB-037-MS





جوتن تحمي العقار



Jotun Protects Property

Jan 19, 2011

Style Metal Manufacturing L.L.C  
P. O. Box 231072,  
Dubai

Kind Attention: Mr. Ghassan Al Omari

Subject: Powder coating plant inspection report.

Dear Sir,

Thank you for your kind cooperation during the plant inspection.

We would like to inform you that your powder coating facilities and application process parameters are in line with general practice of powder coating fire rated doors.

Should have any more query please contact me

Best regards

George Ronald Vas  
Technical Service Engineer  
Jotun Powder Coatings  
Dubai, U.A.E



Mobile: +971 50 7165449  
Office : +971 4 3472515  
george.ronald.vas@jotun.ae

**Jotun Powder Coatings U.A.E. (LLC)**

P.O. Box 51033, Dubai, United Arab Emirates  
Tel +(971-4) 347-2515 | Fax +(971-4) 347-2815 | www.jotun.com

**Bankers**

The Main office  
National Bank of Dubai Ltd.

A/C No. 01 50 20632-7

R.C. No. 40096

Paid up capital AED. 3,000,000



# Laboratory Report

<b>CLIENT</b>	: Style Metal Coating
<b>CONTACT PERSON</b>	: Mr. Yousef
<b>DATE</b>	: 30/10/2010
<b>TEST</b>	: Mechanical Tests
<b>SAMPLE</b>	: Coated Al. Panel
<b>REFERENCE</b>	: OL 12111

Test	Standard	Requirement	RESULT
			PE-SDF 2003F98502 Customer Ref: Zebian Date :24-10-2010
Colour to Std (visual)	Customer Panel	Visual match to Standard	Good
Average micron thickness.	Actual measurements	(60 – 120) $\mu$	130-150 $\mu$
Gloss @ 60°	ISO 2813 (60°)	As per specification	39
Adhesion Crosshatch.	ISO 2409- 3mm	Gt. 0 (no loss of adhesion)	Pass
Adhesion Crosscut	N/A	No delamination	Pass
Impact (inch lbs)	ASTM D2794 5/8" ball	*23 inch lbs	Pass
MEK 30 double rubs	N/A	As per specification	Pass

\* No detachment after tape pull adhesion test when evaluated as per Qualicoat Class 2 test procedure.

## Comments:

Good results , supplied panel passes above menationed mechanical tests and is adequately cured, however high film thickness measured on the panel against Jotun specification of 60-120 micorns.



**George R Vas**  
Senior Technical Support Chemist  
Jotun Powder Coatings UAE LLC.



**Devidas Mapari**  
Laboratory Manager  
Jotun Powder Coatings UAE LLC.

This report is valid for the performance of the coating on the sample as tested above.

## Jotun Powder Coatings U.A.E. (LLC)

P.O. Box 51033, Dubai, United Arab Emirates  
Tel +(971-4) 347-2515 | Fax +(971-4) 347-2815 | www.jotun.com

## Bankers

The Main office  
Emirates NBD Bank (PJSC)

A/C No. 1012008471404

R.C. No. 40096

Paid up capital AED. 3,000,000





# Laboratory Report

<b>CLIENT</b>	: Style metal
<b>CONTACT PERSON</b>	: Mr.Ameesh
<b>DATE</b>	: 05/04/2016
<b>TEST</b>	: Mechanical test
<b>REFERENCE</b>	: OTL 16364
<b>SAMPLE TYPE</b>	: Coated Steel panels

## Results :

TEST	TEST STANDARD	SPECIFICATION	RESULTS	
			PE-7107 1000338 DA4151032677 Panel 1	PE-7107 1000338 DA4151032677 Panel 2
Colour	Visual comparison	Visual match to Jotun Standard reference	Pass	Pass
Average Dry film thickness	Actual measurements	80 to 120 $\mu$	95-114 $\mu$	95-118 $\mu$
Gloss @ 60°	ISO 2813 (60°)	Visual	Pass	Pass
Adhesion Crosshatch	EN ISO 2409 (2mm)	Gt 0 (no loss of adhesion)	Gt C	Gt 0
Adhesion Crosscut	Internal	No delamination	Pass	Pass
Impact Front (inch lbs)	ASTM D2794 5/8" ball	60 inch lbs (without cracking)	Cannot be performed	Cannot be performed
MEK 30 double rubs	Internal	No softening. No/Slight reduction of gloss	Pass	Pass

## Remarks:

Impact test on customer coated panels cannot be performed due to high metal thickness. Supplied panels pass mechanical tests and are adequately cured.

  
**Surendra J. Dessai**  
 Senior Technical Support Chemist  
 Jotun Powder Coatings UAE LLC.

  
**Nelwin Fernandes**  
 Asst. Local Lab Manager  
 Jotun Powder Coatings UAE LLC.

*This report is valid for the performance of the coating on the samples tested as above*

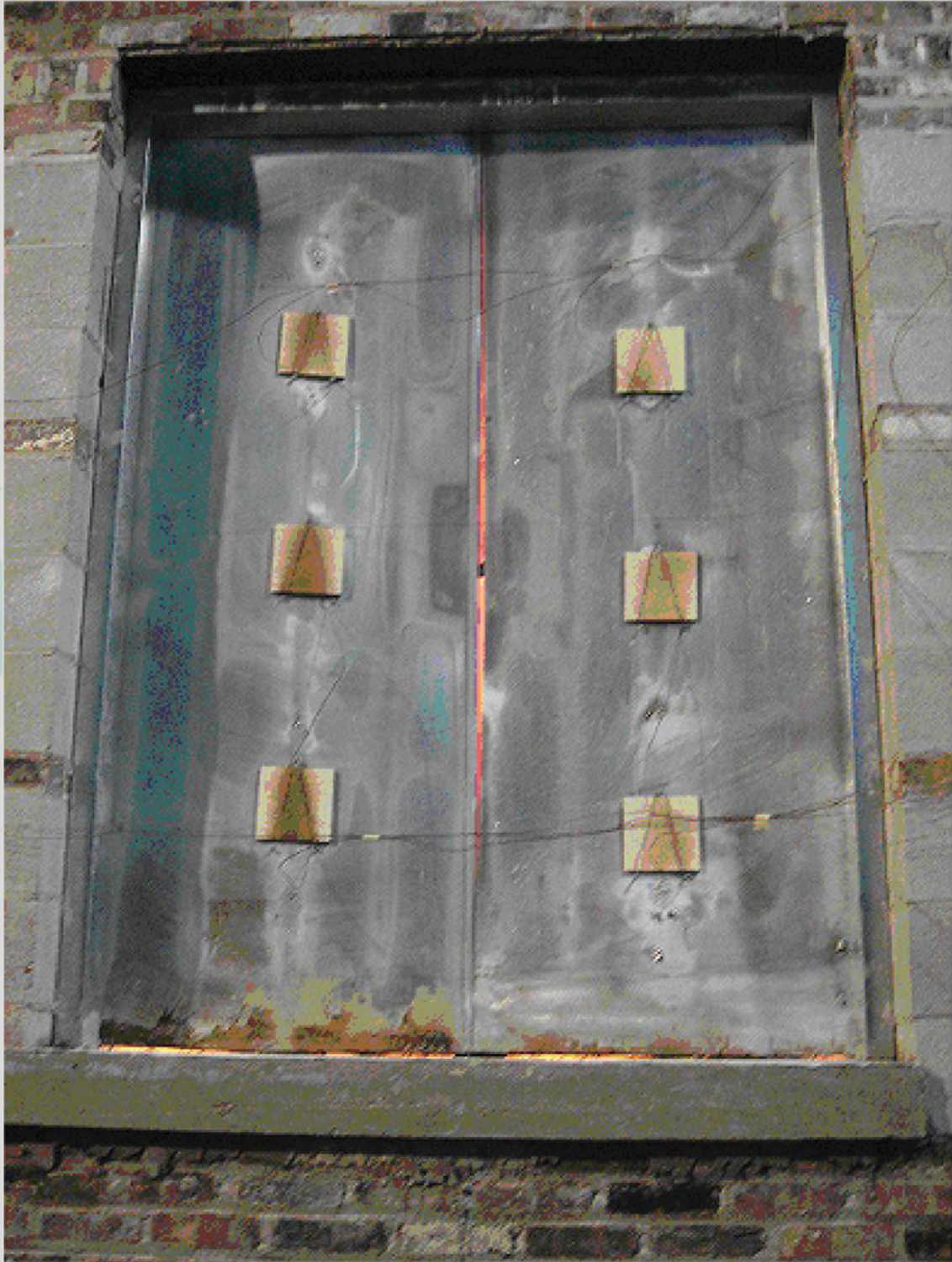
**Jotun Powder Coatings U.A.E. (LLC)**

P.O. Box 51033, Dubai, United Arab Emirates  
 Tel +(971-4) 347-2515 | Fax +(971-4) 347-2815 | www.jotun.com

**Bankers**  
 The Main office  
 Emirates NBD

IBAN AE770260001012008471404  
 R.C. No. 40096  
 Paid up capital AED. 3,000,000





**Style Metal** fire rated double door during the UL test in the United States of America





**Style Metal** fire rated single door during the UL test in the United States of America



## American Standard

NFPA 80-1990, NFPA 252-1995  
UL IOB, UL IOC, UBC 7-2 and IBC 2000

A fire door must have a label attached indicating the fire test rating.

Doors are rated for 3/4 of the rating of the surrounding wall.

Every fire door must have a labeled self-latching device to engage the strike.

A fire door **MUST** be self-closing.

Steel ball bearing hinges must be used. Brass, bronze or other bases cannot be used. Plain bearing hinges cannot be used as well.

If a fire door is held open, it must be equipped with a listed / tested, heat responsive or electromagnetic device, fusible link or a smoke detection device.

Only listed / tested fire door hardware shall be used.

A fire door with glass opening must be provided with a listed / tested glass, a steel frame and glazing bead.

Every assembly configuration such as transom panel, louver, vision panel, frame material, thickness of metal, leaf construction, core type, door set type (single, double or double egress), etc., must be covered by the test certificate or global assessment report issued by the testing agency.

## British Standard

Part 2, BS 476, Parts 20 & 22  
Building Regulations 2000-Fire Safety, Part B

Labeling is not obligatory but recommended.

According to BS, a fire door can be tested without having leaf of an active latch bolt but with only a self-closing device.

A fire door **MUST** be self-closing. Only the active door leaf of an access panel (service ducts) or cup-boards, can however be installed without a closer but with a dead lock and a "Fire Door, Keep Shut" sign placed clear on the door face.

Unless shown to be satisfactory when tested as part of a fire door assembly, the components of any hinge on which the door is hung should be fire rated.

If a fire door is held open, it must be equipped with a tested, automatic release mechanism actuated by an automatic fire detection and alarm system, fusible link (not if door is fitted in an opening provided as means of escape), or a door-closed delay device.

Two fire doors may be fitted in the same opening so that the total fire resistance is the sum of their individual fire resistances.

Signs and other items of hardware containing plastic should not be fitted on the non-fire side of the metal door or frame.





# TEST SPECIFICATION

## For Standard Fire Doors Tested As Per Bs 476, And Ul No. R25674-75

### General

#### 1.0.1 Scope:

Specification covers the design, supply of materials, manufacture and installation of factory made and approved type of fire steel doors of 60 minutes', 90 minutes', 120 minutes Manufactured and installed by Style Metal and tested to Warrington & UL under the Certified programme BS 476, UL R25675 and UL R25674.

### Products

#### 2.01 MATERIAL AND FINISHES;

**A.** Material - Frame to be manufactured from 1.60 mm (16 gauge) galvanised steel sheets complying with the latest IS 111 Code of GPL Grade with Z 120 Coating or its Equivalent British Standard. Fire door shutter to be manufactured from 1.25 mm (18 gauge) galvanised sheets.

**B.** Finishes - Frames and Shutters to be suitably cleaned with solvents and etched prepared for receiving primer and top coats. Shutters to be primed in zinc phosphate stoving primer (can withstand a minimum 250 hours of salt spray tests).

#### Optional Finishes

**A** - Shutters to be finished in thermo setting Polyurethane paint (can withstand a minimum 250 hours of salt spray tests) of approved colour and make as specified by the architect.

**B** - Stainless steel doors to be finished to number four matt finish.

**C** - Wood grain finish of approved texture to be provided as a finish on doors and frames as recommended by the architect.

#### 2.02 CONSTRUCTION OF FRAMES:

Door frame profile to be double rebated of dimension 143 mm x 57 mm (+ - 0.3) with bending radius of 1.4 mm. All preparations and reinforcements shall be conforming to BS test procedures as per the required fixing methodology outlined in the schedule. All frames to have reinforcement pads for fixing of door closer, at appropriate location as per manufacturers details. Frames to have factory finished pre-punched cut-outs to receive specific hardware and ironmongery along with the requisite mortar guard. Frames to be provided with hinge plates pre-drilled to receive hinges for screw mounted fixing. Frames to have rubber shutter silencer on strike jambs for single shutter frames and on the head jambs for double shutter frames. Provide knock-down field assembled type frames unless otherwise indicated. Provide frames, other than slip-on drywall type with a minimum of three anchors per jamb suitable for the adjoining wall construction..

#### 2.03 CONSTRUCTION OF DOORS:

Doors to be press formed to 46 mm thick double skin hollow door with lock seam joints at stile edges. Doors to have no visible screws or fasteners on either face. Doors should have an interlocking arrangement at the stile edges for flat surface on either side. Internal reinforcement to be provided at top bottom and stile edges for desired fire rating. Doors to be factory prepared with pre-punched cut-outs and reinforcements to receive ironmongery as per final finish hardware schedule. Doors to have pre-drilled hinge plates. With hinge guard covers. Doors with locks to have concealed lock box with lock fixing brackets with pre-tapped holes. Doors with door closer reinforcement pads to be provided at appropriate locations as per manufacturer's design.

#### Optional Infill

**A.** Honey comb core:

Doors shall be reinforced with honey comb core completely filling the inside of the doors and laminated to inside faces of both panels.

**B.** Mineral wool core: High density mineral wool core should be used as infill material for insulated doors provided at appropriate locations as per manufacturer's design.

### Installation

#### 3.01 Installation of Frames and Doors:

All frames and doors should be installed on the respective openings with right fasteners and as recommended by the manufacturer. After fixing, the frame shall be grouted with cement mortar 1:3 or Plaster of Paris or Gypsum powder as approved. The gap between frame and wall to be closed by cement pointing and frames to be filled with cement mortar 1:3 if approved.





## Standards and Certifications

- Tested to UL IOB 8c UL IOC and confirming to NFPA 80.
- Fire doors are tested as per BS 476 Part 22 in warrington.

## Optional Features

- Wood Grain can be provided as an optional finish.

## Warranties

- All our products carry a warranty of 1 year against manufacturing defects.



# WHY FIRE DOOR PROTECTION

Fire Doors Are Designed To Protect Property And Life In The Event Of A Fire

For this, the door must serve as a fire and smoke barrier. Studies have shown that more people have lost lives due to smoke asphyxiation than fire. Fire doors must serve main functions:

- 1- Serve as a regular door at all times and provide ready egress from a fire area during a fire.
- 2- Inhibit spreading of fire.
- 3- Protect life and property by reducing smoke hazards

When an opening requires strength, durability, or maximum fire resistance, steel doors and frames provide the qualities to meet these needs. Due to growing access control needs, fire doors have today evolved to accommodate the growing electrified functions a door must support. These doors also meet all the stipulated international, national and regional fire safety standards. These doors are available with honeycomb core as standard infill material with other optional cores. These doors are rated for 60, 90, and 120 minutes' fire withstanding ability. AH fire doors are factory finished with polyester Powder Coating.



# FIRE DOOR

## Applications

These doors can be used in high-rise buildings, metro railway stations, telecom centers, power plants, cellular network stations, garment processing units, shopping malls, industrial plants, multiplexes, hotels, auditoriums, software parks, restaurants, etc. Style Metal doors and frames are designed to perform and in the most demanding environment.

## Features

- Available in galvanised or stainless steel
- UL labeled doors for 90,120 minutes
- Clear vision lite for up to 120 minutes fire rating
- No welding joints and sharp edges, interlocking at the stiles
- Factory prepped to receive all types of hardware
- High aesthetics and robust structure
- Fully flush constructions
- Easy to install on a flush wall opening 8c dry wall Partitions



# PRODUCTS



## Fire Rated Steel doors

A complete range of single or double personnel door sets designed to comply with the varied requirements of fire rated applications, fire doors are designed for the protection of openings in walls and partitions against fire when installed in accordance with NFPA 80 atonal Fire Protection Association Standard for Fire Doors & Windows"

Fire Rating: up to 2 hours, Tested in accordance with Underwriters Laboratories (UL10 B , C). Approved and Labeled by Local Authorities. Door leaves ranging from 46mm (30mm For Access Panels) to 56mm thick depending upon the type & project specifications, manufactured from 1.2 mm thick galvanized steel. Door frames manufactured from 1.5mm thick galvanized steel and available in a choice of three standard and profiles.



In Style Metal we've developed so far a range of products which can be used for different functional purposes and make a decent addition to any home and building.





# Security Doors





# Access Panel Doors

Our Access panel are custom designed and manufactured per the specific requirements of the project needs. Access to switch boards, pipes and valves within walls especially in corridors can be easily hidden to provide a convenient service access. Access panels can be done with any of our core options. Usually hardware for access doors used such as knob set, lock case, deadlock. Standard and custom made site available with different colors to suit your requirements.





# Fire Escape Doors





# Louver Doors

Fire rated louver doors must have a fusible link system which automatically closes the louver blades when the link is activated. Maximum louver size 70% per leaf. There is no glass allowed in a fire rated door if it has louver and no louver at all can be installed in 2 hours rated door, only for non - fire rated doors. Standard and custom made size available with different colors to suit your requirements.





# Flush Doors

Single and double fire rated steel doors at Warrington, UL for 2 hours fire rated. Standard size and custom made size available with different designs, sizes and colors. Maximum size of single doors and frames: 1200mm wide x 2400mm height with different jamb depths up to 300mm. Maximum size of double doors and frames: 2380mm wide x 2400mm height with different jamb depths. Our doors can suit your structural design.





# Cell Doors

Doors are secured from ballistic attack yet have the appearance of standard hollow metal products. Our completed range of bullet resistant products are readily available with different designs, colors and hardware such as electronic door lock, latching and self closing.





# X-Ray Doors

Radiation- proof X-ray doors have a very useful and protective role to play in areas with high levels of radiation, such as in hospital and laboratories. We can provide different design such as automatic X-RAY doors.

Rolled lead sheet is available in thickness varying from 0,8 to 3,00 mm to suit many different radiation shielding uties.

Custom sizes for lead lined drywall are quoted upon request.

We also provide lead lining bonded to specialty drywall such as moisture and mold resistant board. Lead sheet is manufactured to specified thickness and chemical criteria.





# Sliding Doors

This specification covers the design, manufacture, and testing of controls and operating mechanisms for use with sliding doors. Sliding door control system shall be classified as manual and power. Manual door control system requires the operator to apply a continuous cyclic force to the door controller to cause the operating mechanism to function. This type of control system has two kinds: mechanical system and hydraulic system. The power door control system requires only that the operator exert a minimal physical force to cause the operating mechanism to function. This type of control system has three kinds: electric system, hydraulic system and electro-hydraulic system. Sliding door shall be provided with a means of local and remote manual operation. Sliding doors slide on bottom rollers so there is no visible suspension track. The rollers run in a choice of bottom channels to give a minimum step, or can be sunk into the floor to give a flush finish





# Garage Steel Doors

A garage door is large door on a garage that opens either manually, or by an electric motor. Garage doors are frequently large enough to accommodate automobiles and other vehicles. Small garage doors maybe made in a single panel that tilts up and back across the garage ceiling. Larger doors are usually made in several jointed panels that roll up on tracks across the garage ceiling, or into a roll above the doorway. The operating mechanism is spring-loaded or counter balanced to offset the weight of the door and reduce human or motor effort required to operate the door. Less commonly, some garage doors slide or swing horizontally. Doors are made of wood, metal or fiber glass, and maybe insulated to prevent heat loss.





# Sealed FRSD

Smoked Dust Air Tight Seals for Steel Doorsets . All our Steel Doors can be fitted with a rubber seals to produce a dust or airtight seal, magnetic rubberized seals are also available. This is becoming more popular feature in today's technical specification, it not only prevent dust and act as an air trap but also provides thermal insulation, water penetration, etc. The door opposite is used to prevent insect access in laboratory condition. All type of seal maybe specified to your own design requirements and our engineers are always available to offer advice and planning.





# Acoustic Doors FRSD

Acoustic doors are designed to prevent the passage of excessive or unwanted noise in commercial, industrial and public buildings. They are used externally to keep noise levels within Environmental Health limits and internally to reduce the passage of sound between rooms. They are typically used in manufacturing premises, plant rooms, recording studios, commercial offices and auditoria. Style Metal produces a complete portfolio of steel sound reducing doors ranging from large, purpose designed hinged, sliding and folding configurations to a range of pre-engineered personnel doors which are tested to ISO144-3 and performance rated from Rw 29dB to 57dB.





# Steel Glazed Door

Glazed paneled doors to suit any application where vision is important. Any of our range of steel doors can be specified to include a Glazing panel.

We can fabricate and manufacture any shape and size to your individual requirements with strict quality standards.





# Stainless Steel Finish

We can offer any door in stainless steel 304 & 316 grade, brush, hair, line & mirror finish.






# Screens and Partitions

Highly secured and fine finish fire rated glass screens and partitions with powder coating or stainless steel finish frames








## Stainless Steel Finish

We can offer door in stainless steel 304 & 316 grade, brush, hair line & mirror finish

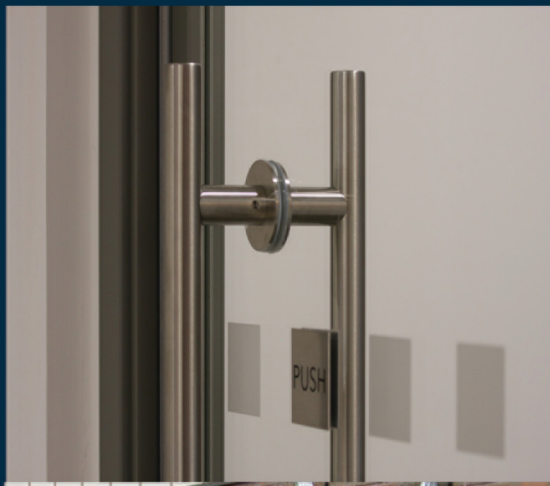


Hollow metal swinging fire door selection guide at **style metal**, we are equipped to offer fire doors tested and certified to American and British Standards. The significant requirements of each of these standards are listed below





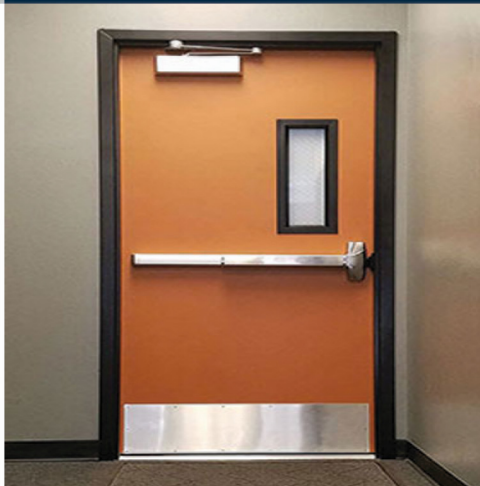




The variety of products allow customers to choose from among many designs for easy landings



Our designers have the highest skills to employ the surrounding environment for the client when installing the final product professionally



Design  
Mastering  
Endurance





## Quality Assurance and Control

With its dedicated team of experts, Style Metal Manufacturing forms specific quality measures always ensuring customer satisfaction and most importantly successful outcome of the project. Quality management plans are set forth and imposed on manufacturing site. It does ensure that project requirements are met and that client's expectations, international standards and local authority regulations are also fulfilled. Quality assurance is a never-ending process here at Style Metal.



# Quality Control

## QC Inspection Plan



### Inspection Information

Customer / Client: PRO WORLD TECHNICAL WORK  
 Project Name: BUK DUBAI  
 Project Work Order No.: 17-0613

Inspected Date: 18/09/2017  
 Inspection Ctrl. No.: \_\_\_\_\_  
 Checking Frequency: 20

### Critical Items

Item No.	Inspection Points	WORK ORDER (1st Verification)			Bending Process (2nd Verification)			Final Assembly (3rd Verification)			Shipment (4th Verification)		
		Types	Marking	Comment	Types	Marking	Comment	Types	Marking	Comment	Types	Marking	Comment
1	Door Direction	A. RAL No. B. Type C. Finish	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		A. RAL No. B. Type C. Finish	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		A. RAL No. B. Type C. Finish	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		A. RAL No. B. Type C. Finish	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
2	Colour	A. Honeycomb B. Rockwood	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		A. Honeycomb B. Rockwood	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		A. Honeycomb B. Rockwood	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		A. Honeycomb B. Rockwood	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
3	Door Infill	A. Height B. Width C. Sheet Thickness	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		A. Height B. Width C. Sheet Thickness	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		A. Height B. Width C. Sheet Thickness	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		A. Height B. Width C. Sheet Thickness	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
4	Leaf	A. Wired B. Tempered Clear C. Fire Rated	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		A. Wired B. Tempered Clear C. Fire Rated	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		A. Wired B. Tempered Clear C. Fire Rated	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		A. Wired B. Tempered Clear C. Fire Rated	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
5	Glass Types												
6	Glass Thickness												
7	Frame Width ( FW )												
8	Frame Height ( FH )												
9	Frame Thickness ( FT )												
10	Frame Architrave ( FA )	A. W/out Architrave B. Single Architrave C. Double Architrave	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		A. W/out Architrave B. Single Architrave C. Double Architrave	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		A. W/out Architrave B. Single Architrave C. Double Architrave	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		A. W/out Architrave B. Single Architrave C. Double Architrave	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
11	Profile	A. SRF B. SRRF C. DRF D. DDRF	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		A. SRF B. SRRF C. DRF D. DDRF	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		A. SRF B. SRRF C. DRF D. DDRF	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		A. SRF B. SRRF C. DRF D. DDRF	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
12	No. of Hinges												
13	Hinges Sizes												
14	Hardware												
15	Channel Position												
Acknowledged By:		_____ Sign & Date			_____ Sign & Date			_____ Sign & Date			_____ Sign & Date		

### Internal Inspection Result

Inspected By: John  
 Judgment:  Accepted  Rejected  
 Comments: \_\_\_\_\_

### Production Acknowledgement

Production Manager: [Signature]  
 Date: 18/09/17  
 Comments: \_\_\_\_\_



## Door Leaf Specification

Leaf thickness is ranging 30mm,46mm to 56 mm depending upon the project requirements manufactured from 1.2mm to 1.6mm thick galvanized steel.

lock Form construction with full height interlocking seam along hinge and leading edges. Leaf to incorporate internal bracing channels welded to top and bottom of leaf and steel reinforcement/preparations for overhead closer/locking mechanisms.

In filled with proprietary fire tested core and bonded to both door skins using a heated power press, thus ensuring maximum adhesion and a flat warp and distortion free panel.

Astragals (Optional and dependent on fire rating): Formed from 1.2mm zinc coated mild steel, mounted and welded to pull or push face of active or inactive leaf of double door sets, dependent on security.

Plain meeting stiles (Optional) are available on request.

Removable Over panels:  
Manufactured to same construction as door leaves

## Door Frames Specification

Standard Jamb and Head Profile Single rebate profile - 100mm x 57mm overall  
Standard Jamb and Head Profile Double rebate profile - 150 to 240 mm x 57mm overall (Standard) Designed to bridge and conceal wall cavities.

Other Jamb type sizes are available as optional.

Standard head and jamb corner construction to be Mitre welded flush type. Knock-down butt jointed types are available as per requirement for ease of assembly onsite.

Single Rebate Transom Profile TG - removable.

Frame to incorporate factory preparation for flush mounting hinge plates and strike plates for locking mechanism with protective steel mortar guard welded as standard within frame profile.

Other sizes are available.

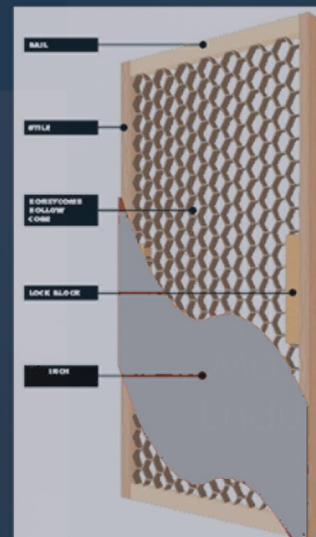
Max depth for Labeled doors can be 350 mm.

## Door Specification

**Material options :** Galvanized Steel  
Stainless Steel

**Sheet thickness:** 1.6 mm 1.2 mm

**Infill:** Honeycomb Kraft  
Steel Stiffened Doors

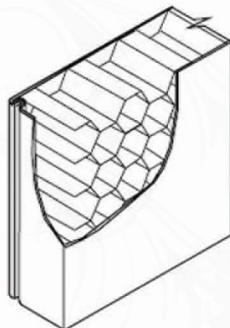




# STYLE METAL FLUSH DOOR SERIES

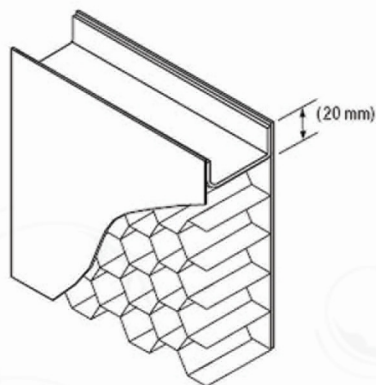


Beveled Edge with  
Full Height Mechanical Interlock

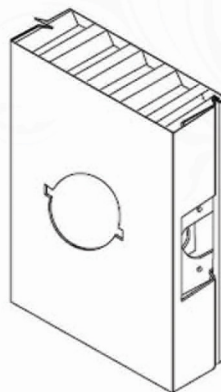


Beveled Edge

Inverted Top & Bottom Channels  
14 Gage

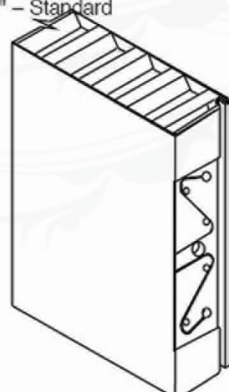


Lock Prep



161 Cylindrical Lock shown

Universal Mortise Hinge Prep  
4" - Standard



3 mm Hinge Reinforcement

## ABOUT THE PRODUCT:

Flush Doors are designed to meet the architectural requirements for full flush doors. This premium door construction combines the strength and dimensional stability of steel with the structural integrity of the honeycomb core. The continuous bonding of the core to metal provides an attractive flat door, free of face welding marks. It has been proven that these type of door has integral high resistance to impact damage and low thermal conductivity.

To meet application, specification and performance requirements, the Flush Door Series offer a wide range of specifiable options including sizes, vision glass designs and hardware preparations.

## FEATURES AND BENEFITS:

Style Metal's Flush Doors offers the following standard unique features, which enhance long term performance and durability

1. Honeycomb core system enhances the structural integrity of the door, while significantly reducing the weight.
2. Full height, epoxy field mechanical interlock edges provide structural support and stability.
3. 1.2mm top and bottom channels provide stability and protection for the top and bottom edges from abuse.
4. Beveled hinge and lock edges allow for tighter installation tolerances, ensure easier operation, and eliminate binding and sticking.

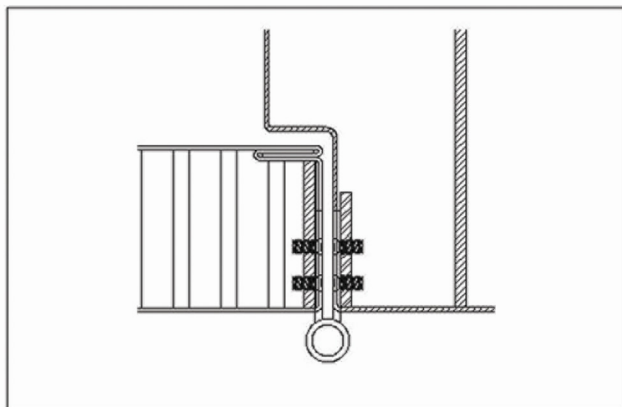
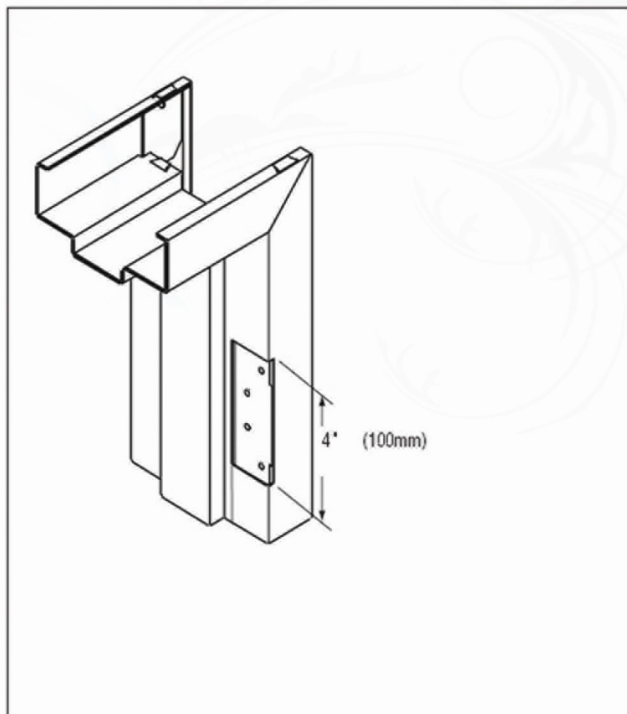
## CONSTRUCTION NOTES:

1. **Doors** are (46mm) thick.
2. **Door opening size maximum:**  
Single door opening size (1200mm x 3000mm)  
Double door opening size (2400mm x 3000mm)
3. **Standard operating clearances (installed in frame):**  
Head =  $\frac{1}{8}$ " (3mm) to bottom of head or transom panel  
Hinge and lock side =  $\frac{3}{32}$ " (2mm) to rabbet on jamb
4. **Standard core system:**  
1" (25mm) cell Kraft honeycomb core is laminated to both face sheets with contact adhesive. The honeycomb is phenolic resin impregnated and sanded to insure ultimate lamination and performance. To further enhance the structural stability of the door the honeycomb core material is subjected to several unique operations prior to assembly. If any of these operations are eliminated, the strength and durability of the door is compromised.
5. **Hardware preparations:** to meet specifications, doors can be prepared for all commercial mortised hardware, and can be factory reinforced for surface applied hardware applications.
  - **Lock preps** – details and dimensions shown are for cylindrical (ANSI 115.2) type locks. For mortise (ANSI A115.1) locks, the centerline of the lock is located  $\frac{3}{8}$ " (9mm) lower.



# STYLE METAL HARDWARE PREPARATION

## HINGES



### GENERAL INFORMATION:

Continuous hinges are generally used on large heavy doors. They are also used when an opening is subjected to high frequency usage.

### DESCRIPTION:

The type of attachment to the door identifies continuous hinges. The attachment can be

- Edge mounted (attached to the door edge and frame rabbet)
- Half surface (attached to the door face and frame rabbet)
- Half edge mounted (attached to the door edge and frame face)
- Full surface (attached to the door and frame faces)

Attachment to the door and frame can be by sheet metal screws or machine screws. All holes are field drilled or field drilled and tapped.

The clearance on the hinge side of the door is adjusted depending on the hinge template.

### GENERAL INFORMATION:

Standard 4" (100mm) and optional 5" (127mm) butt hinges are normally used in (46mm) doors. Either hinge will support doors up to 4'0" (1219mm) wide and 10'0" (3048mm) high.

The preparation in the door and frame are described as the "Universal" preparation. This means the preparation will convert from a standard to a heavy weight hinge prep by removing the wire spacer in the field.

### DESCRIPTION:

Both the standard 4" (100mm) and the optional 5" (127mm) hinges come in standard and heavy weight.

4" (100mm) = Standard .134" (3mm)

Hinges used must be the "TEMPLATED" (holes for the mounting screws are in a half moon pattern) type.

### REINFORCEMENT:

The reinforcement used in the door and frame are (3mm) steel and are projection welded to the rabbet of the hinge jamb or door edge. The reinforcements include an auxiliary steel or wire spacer. Leave the spacer in place and the standard weight hinge can be used. Remove the spacer and the heavy weight hinge can be used. Refer to the appropriate frame and door series to insure the patented universal hinge is available.

### REINFORCEMENT:

When sheet metal screws are used, a reinforcement in both door and frame is not required. Using the hinge as a template or the template supplied, field drill the proper place on the door and frame for the screws and attach the hinge.

When machine screws are used additional reinforcement for both the door and frame may be required. The reinforcement is 14 gage steel, welded to the inside of the door or frame as required by the attachment. Using the hinge as a template or the template supplied, field drill and tap the proper place on the door and frame for the machine screws and attach the hinge.

### TEMPLATE:

Hinge manufacturer's information should be reviewed carefully to insure the correct attachment and that the hinge is capable of meeting the requirements of your opening.

### SPECIFICATION COMPLIANCE:

Continuous hinges are not covered at this time by the Steel Door Institute (SDI) or the Door and Hardware Institute (DHI)

### FIRE RATINGS:

Fire rated continuous hinges are available for openings with ratings from 20 minutes to 3 hours. Check the hinge manufacturer's information on this requirement.



# STYLE METAL

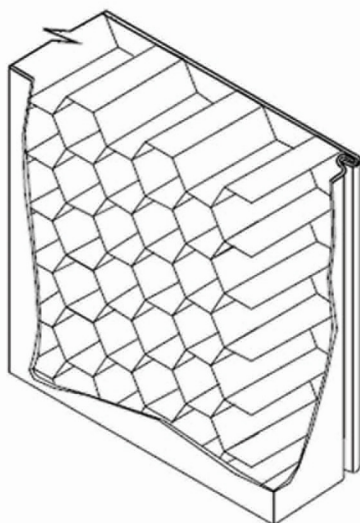
## HONEYCOMB PERFORMANCE

### Advantages of Honeycomb

- High strength to weight ratio
- Uniform crushing strength
- High shear strength
- Durability
- Resists decay and insects
- Available with fire (UL/WH) label ratings
- Versatility – permits modification of a door
- Excellent impact resistance
- Rigid-honeycomb forms hundreds of small I-beams
- Provides sound deadening
- Adds insulating properties
- Uniform thickness and flat surface for lites, louvers, etc.

### THE CORE:

A heavy 99lb. kraft paper is bonded together into 1" wide hexagonal cells creating a honeycomb core. The core is impregnated with just the right amount of phenolic resin to resist mildew and vermin, but not too much to create a brittle condition.



### THE LAMINATING PROCESS:

The door panels are thoroughly cleaned and phosphatized and a tough contact adhesive is applied to the inside faces completely coating the surfaces. The honeycomb core is resin impregnated, sanded to insure uniform thickness and contact adhesive is applied to the surfaces. The honeycomb core and the door panels are assembled together. An ultimate bond is achieved between the honeycomb core and the door panels through a set of high-pressure pinch rolls. The laminating process is complete.

### COMPARISON DATA:

Many different cores are used in doors. Three (3) comparisons illustrate the superiority of the honeycomb core.

Material	Shear	Compression	Maximum Service Temp <sup>1</sup>
Steel door honeycomb core	28 PSI	5000 PSF	400° F
Steel door polystyrene core	18 PSI	1750 PSF	165° F
Steel door urethane core	23 PSI	3600 PSF	200° F
Steel door steel stiffened	N.A.	5700 PSF	400° F

### TWIST (IMPACT) TEST:

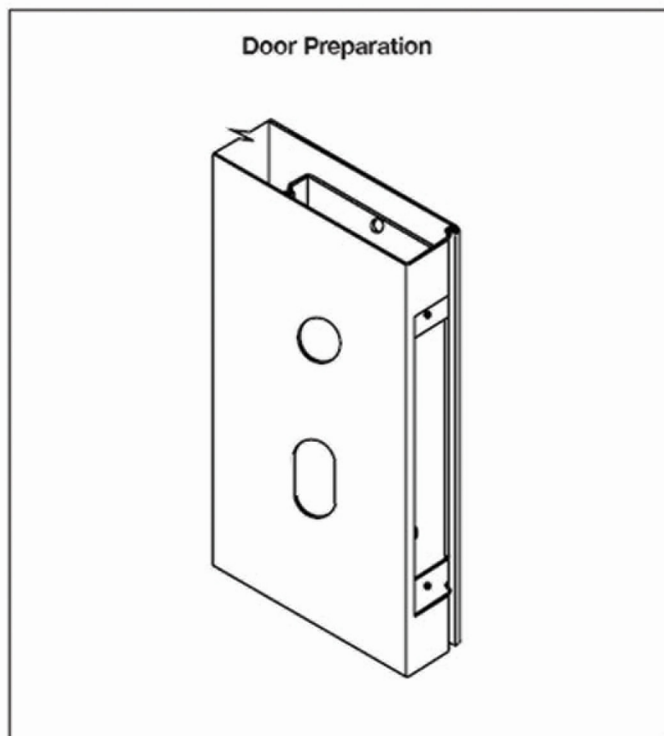
Twist and impact tests demonstrate that honeycomb core doors will take abuse and punishment even in extreme conditions. Twist tests were conducted by clamping three corners of a door securely in place and applying weights totaling 450 lbs. to the fourth corner.

Test Results — After 450 lbs.				
Door Tested	Average Deflection Under Load		Average Residual Deflection	
	Corner	Diagonal	Corner	Diagonal
L20 x 1-3/4"	.552	.170	.015	.006



# STYLE METAL HARDWARE PREPARATION

## MORTISE LOCKS WITH SECTIONAL TRIM



### GENERAL INFORMATION:

The ANSI A115.1 lock provides additional security due to its heavy design. The face cutouts will vary depending on the lock function and the type of trim being used.

### DESCRIPTION:

ANSI A115.1 locks are defined as "mortised locks". The lock is attached to the door by the faceplate using 2 screws and with the trim, all supplied by the lock manufacturer.

The preparation in the door faces (shown at the left) requires the use of an individual trim to cover the individual cutouts. The cutout on the face will vary from manufacturer to manufacturer. The edge cutout remains the same for all ANSI A 115.1 locks. The ANSI A115.1 preparation when used with full escutcheon trim (plate trim) is shown on Spec Sheet H3-3.

### REINFORCEMENT:

The reinforcement used in the door is 14 gage (1.7mm) steel and is projection welded to the door edge. The reinforcement includes stabilizing tabs to insure the lock remains in the center of the door thickness during installation and operation.

### STRIKES:

The 4<sup>7</sup>/<sub>8</sub>" (124mm) strike is the common strike supplied by the lock manufacturer with the A115.1 locks.

### TEMPLATES:

Lock manufacturer's template should be reviewed carefully to insure the lock being used will function in the preparation. Although Steelcraft's preparation meets or exceeds the ANSI standard, some manufacturer's locks may not fit properly and the rose (trim) may not cover the cutout.

### SPECIFICATION COMPLIANCE:

The ANSI A115.1 preparation with full escutcheon or sectional trim meet or exceed the requirements of the Steel Door Institute (SDI) and the Door and Hardware Institute (DHI).

### FIRE RATINGS:

The ANSI A115.1 lock can be used in fire rated products with ratings from 20 minute to 3 hours.





## Previous Projects

The construction projects which Style Metal was supplying for falls under the following categories of buildings:

- Labour Accommodation
- Shopping Malls
- Schools
- Villa Complexes
- Commercial Buildings
- Residential Towers
- Factories
- Polyclinics and hospitals



# Previous Projects

## AL RAKHA CONT. & GEN. TRANSPORT L.L.C.



Project Name : AL GHADEER DEVELOPMENT  
Consultant : Dorsch Consult  
Location : Al Fayah, Abu Dhabi



# Previous Projects

## SEIDCO GENERAL CONTRACTING



Project Name : JUMEIRAH PALM  
Consultant : Nakheel  
Location : Dubai



# Previous Projects

## STRUCTUS



Project Name : BAB AL QASR HOTEL & SERVICE DEPARTMENTS  
Consultant : Surbana Consultants Pte. Ltd.  
Location : Abu Dhabi



# Previous Projects

## HADEEL BLDG. CONTRACTING



Project Name : Labour Accomodation  
Consultant : Bu Humaid Consultant  
Location : Al Jurf, Ajman



# Previous Projects

## FUTURE BUILDERS ENGINEERING GENERAL CONTRACTING EST.



Project Name : AL AIN COOPERATIVE SOCIETY  
Consultant : Future Builders Eng. Gen. Cont. Est.  
Location : Al Ain, UAE



# Previous Projects

## MULTILINK CONTRACTING



Project Name : WAREHOUSE & OFFICE PLOT

Location : Jebel Ali



## AB BUILDING CONTRACTING COMPANY



Project Name : B+G=12 RESIDENTIAL  
BLDG.PLOT NO. 241-541

Consultant : Orion Engineering

Location : Al Nahda, Dubai



# Project History

## **CONDOR BUILDING CONTRACTING CO.**

Project Name: B+G+3P+18 STOREY FAIRVIEW RESIDENCY

Consultant: M/s LACASA

Location: Business Bay, Dubai

## **SUN ENGINEERING**

Project Name: EXECUTIVE BAY-B OFFICE BUILDING

Consultant: Client

Location: Business Bay

## **ORIENT HOUSE FOR DEV. & CONST. CO. LLC**

Project Name: SOROUH COMMERCIAL BUILDING

Consultant: M/s ARMSTRONG

Location: Abu Dhabi, UAE

## **CONDOR BUILDING CONTRACTING CO.**

Project Name: AFG DATA CENTER

Consultant: M/s Wanders werners Falasi

Location: Business Bay, Dubai

## **AL HAREB CONTRACTING**

Project Name: LABOUR ACCOMODATION

Consultant: Client

Location: Al Muhaisnah

## **ASWAR & GENERAL CONT. CO. LLC**

Project Name: 2012 SCHOOLS REFURBISHMENT PROGRAM

Consultant: Client

Location: Al Qadeseyah, Abu Dhabi

## **AROMA INTERNATIONAL BLDG. CONT.**

Project Name: BIRDS MARKET COMPLEX PJ-10047 on Plot No. 811-8155

Consultant: M/s ARC International

Location: Al Warsan Third

## **BU HALEEBA CONTRACTING**

Project Name: 2B+G+24 STOREY RESIDENTIAL & COMMERCIAL BUILDING, Plot No. 231-215

Consultant: M/s Design & Architecture Bureau

Location: Al Nahda First, Dubai

## **ANC CONTRACTING**

Project Name: BAY GATE TOWER

Consultant: Client

Location: Business Bay, Dubai

## **CITY NIGHTS CONTRACTING**

Project Name: G+3 LABOUR ACCOMODATION

Consultant: Client

Location: Muhaisnah II, Dubai

## **S.S. LOOTAH CONTRACTING**

Project Name: PALM VIEWS-CONSTRUCTION OF 2 RESIDENTIAL COMMERCIAL BLDINGS (G+M+4F+RF)

Consultant: M/s Dar Al-Handasah Shair and Partners

Location: Palm Jumeirah, Dubai

## **GENERAL CONSTRUCTION COMPANY**

Project Name: B+G+12 RESIDENCE BUILDING Plot No. 241-5287

Consultant: M/s National Engineering Bureau

Location: Al Nahda 2nd, Dubai



**AL SHAFAR CONTRACTING CO. LLC**

Project Name: G+1 LABOUR ACCOMODATION Plot No. 711-191  
Consultant: M/s ARENCO Architectural & Engineering Consultants  
Location: Aweer

**ORIENT HOUSE FOR DEV. & CONST. CO. LLC**  
Project Name: THE GENERAL DIRECTORATE FOR BORDERS AND SECURITY AFFAIRS  
Consultant: M/s DEC Engineering Consultant  
Location: Abu Dhabi, UAE

**GENERAL CONSTRUCTION COMPANY**  
Project Name: B+G+3P+31 FLOORS OFFICE/COMMERCIAL BLDG. Plot No. F-1  
Consultant: Client  
Location: Al Hilal City, Fujairah

**FAMILY STAR CONTRACTING**  
Project Name: G+4 LABOUR ACCOMMODATION Plot No. 597-860  
Consultant: M.D. Bhatia & Bro. Consulting Architectd & Engr.  
Location: Dubai Investment Park II

**AL HUDAIBA CONTRACTING**  
Project Name: 2B+6+1+10 COMMERCIAL/OFFICES BUILDING Plot No. 129-198  
Consultant: Shadid Engineering  
Location: Port Saeed, Dubai

**OST CONSTRUCTIONAL PROJECT**  
Project Name: LABOUR ACCOMMODATION  
Consultant: National Engineering Bzauz  
Location: Al Jerf Ajman

**DUTCO BALFOUR BEATYY LLC**  
Project Name: G+2 LABOUR CAMP ACCOMMODATION Plot No. 599-1041  
Consultant: Al Jasim Consultant  
Location: Jebel Ali Industrial Area

**KUMO IND. LLC KOREA**  
Project Name: WORKER BRAKA NUCLEAR POWER PLANT  
Consultant: Client  
Location: Abu Dhabi

**AL-WADI CONT. & STEEL WORKS CO.**  
Project Name: RAS GAS TOWER BLUU Industrial Area, Street No. 17, Gate: 98  
Consultant: Client  
Location: Doha, Qatar

**AL AMAZON BLDG. CONT. LLC**  
Project Name: TARYAM MATTAR AL SHAMSI BUILDING G+3 Car Parking Floors+10 Typical+Roof  
Consultant: M/s Gulf Consultant

**ORIENT HOUSE FOR DVT. & CONST. CO.**  
Project Name: WATHBA PRISON BUILDING  
Consultant: Client  
Location: Abu Dhabi

**CONDOR BUILDING CONT. CO. LLC**  
Project Name: BAKERY AND WAREHOUSE FACILITIES  
Consultant: M/s Orbit Engineering Consultants  
Location: IMPZ, Dubai, UAE



**CHICAGO CONTRACTING**

Project Name: G+4 STRY. OLYMPIC COMMITTEE HEADQUARTERS Plot No. 231-378  
Consultant: M/s Algurg Consultants  
Location: Al Nahda First, Dubai

**CHICAGO CONTRACTING**

Project Name: B+G+2 REGENT SCHOOL  
Consultant: M/s Design Concepts  
Location: Emirates Hills-2

**GENERAL CONSTRUCTION COMPANY  
GAMMA CONTRACTING**

Project Name: B+G+2 REGENT SCHOOL  
Consultant: M/s Design Concepts  
Location: Emirates Hills-2

**CHICAGO CONTRACTING**

Project Name: B+G+2 REGENT SCHOOL  
Consultant: M/s Design Concepts  
Location: Emirates Hills-2

**MAMMUT CONTRACTING LLC**

Project Name: CONSTRUCTION OF ARENA GRAND STAND STABLE 1 & 2  
Consultant: M/s Torath Engineering  
Location: Hamriya Free Zone Phase 1

**AL HUDAIBA CONTRACTING LLC**

Project Name: 2B+G+M+4 BUILDING DUBAI REAL STATE CENTER Plot No. 318-864  
Consultant: M/s Design Center  
Location: Karama, Dubai

**AL HAMAD INDUSTRIAL CO.**

Project Name: 2 NOS IDENTICAL STOREY RESIDENTIAL BUILDING Plot No. HIC-2071  
Consultant: M/s QHC Architects & Engineers  
Location: Dubai Land

**AL SAYEGH CONTRACTING LLC**

Project Name: SANDOVAL GARDENS Plot No. JVC 141MRP200  
Consultant: M/s Plant Quandrat Middle East  
Location: Jumeirah, Village

**AL HIKMA BUILDING CONTRACTING LLC**

Project Name: G + M WAREHOUSE Plot No. 597-734  
Consultant: M/s OHC Architects & Engineers  
Location: Dubai Investment Park

**AL MAZROUEI BOWYER BUILDING LLC**

Project Name: 3B + G HOTEL  
Consultant: M/s Arif Bintook Consultant Engineering  
Location: Al Barsha, Dubai

**ORIENT HOUSE FOR DVT. & CONST. CO.**

Project Name: LABOUR ACCOMODATION ICAD III, Plot No. 29A (BD-10-058)  
Consultant: Client  
Location: Musaffa, Abu Dhabi

**SUN ENGINEERING & CONTRACTING CO LLC**

Project Name: 14 TYPICAL STOREY COMMERCIAL, OFFICE BLDG. Plot No. 373-1304  
Consultant: Shadid Engineering Consultant Consulting Engineers  
Location: Al Barsha First, Dubai



**AL HIKMA BUILDING CONTRACTING LLC**

Project Name: FACTORY/ WAREHOUSE ,OFFICE & RCC SERVICES Plot No. S60510  
Consultant: Image Engineering  
Location: JAFZA

**LOOTAH BUILDING CONTRACTING**

Project Name: CONSTRUCTION OF COMPLETION & MAINTENANCE Plot No. 373-1364  
Consultant: M/s Al Manhal Eng Consultant  
Location: Al Barsha, Dubai

**LOOTAH BUILDING CONTRACTING**

Project Name: COMPLETION & MAINTENANCE OF LABOUR ACCOM.  
Consultant: M/s Gulf Pioneer Eng Consultant  
Location: Sonapur, Dubai

**FUJAIRAH NATIONAL CONSTRUCTION**

Project Name: J-103 G + 2 LABOUR CAMP Plot No. 369-539  
Consultant:  
Location: Al Quoz, Dubai

**FUJAIRAH NATIONAL CONSTRUCTION**

Project Name: FITOUT SHOP ( DECATHLON) Plot No. 251-2773 ( 4843)  
Consultant: N.A  
Location: Merdif City Centre

**AROMA INTERNATIONAL**

Project Name: FITOUT SHOP ( DECATHLON) Plot No. 251-2773 ( 4843)  
Consultant: N.A  
Location: Merdif City Centre

**FUJAIRAH NATIONAL CONSTRUCTION**

Project Name: FITOUT SHOP ( DECATHLON) Plot No. 251-2773 ( 4843)  
Consultant: N.A  
Location: Merdif City Centre

**AL ARAB CONTRACTING**

Project Name: REGAL TOWER Plot No. BB.A02.03  
Consultant: M/s Khateeb & Alami Engineering Consultant  
Location: Business Bay Dubai

**HONEST CONSTRUCUTION LLC**

Project Name: MODIFICATION WORK WAREHOUSE FACILITIES Plot No. WB-35-WB-38  
Consultant: M/s ADS Architechtrual Consultant  
Location: Dubai Logistic City

**FABTECH CONTRACTING LLC**

Project Name: OFFICE & CRANE DISPLAY Plot No. TP010521  
Consultant: M/s Al Hilal Consultant  
Location: Techno Park, Dubai

**DCE**

Project Name: REMRAAM PROJECT Plot No. 900-2145  
Consultant: N/A  
Location: Dubai

**GAMMA CONTRACTING**

Project Name: G + 4 LABOUR CAMP  
Consultant: M/s Arab PRUK  
Location: Dubai Investment Park



**CHICAGO CONTRACTING**

Project Name: 49 WELLINGTON AL KHAIL  
Consultant: M/s Arkiplan Consulting Architects & Engineers  
Location: Al Khail Road, Dubai

**COMFORT HOUSE CONTRACTING**

Project Name: G+4 LABOUR ACCOMODATION  
Consultant: Client  
Location: DIP

**AL BASTI AND MIKTAH**

Project Name: G+2 FLOORS PRIMARY SCHOOL AND GROUND FLOOR NURSERY BLDG, Plot No. 6655430  
Consultant: Client  
Location: Wadi Al Safa, Duba

**AL SAYEGH CONTRACTING**

Project Name: 2B+G+4 BLDG. LA RIVIERA STATES  
Plot No. JVC10UMRP200  
Consultant: M/s CHAWLA  
Location: Jumeirah Village

**CARREFOUR**

Project Name: CARREFOUR FIT OUT  
Consultant: Arenco  
Location: Al Barsha, Dubai

**GENERAL CONTRACTING COMPANY**

Project Name: G+2P+HP+20 RES. BUILDING  
Consultant: NEB  
Location: Al Hilal, Fujairah

**CARREFOUR**

Project Name: CARREFOUR AL GHURAIR CENTER  
Consultant: J.M. Regnault and Partners  
Location: Deira, Dubai

**SAM BUILDING CONTRACTING LLC**

Project Name: LABOR ACCOMODATION  
Consultant: AMGC  
Location: Jabel Ali, UAE

**AL ARIF CONTRACTING**

Project Name: 2B+G+7+HC BUILDING  
Consultant: Adnan Saffarini  
Location: Al Mankhool, Dubai

**AL OROBA CONTRACTING CO. LLC**

Project Name: DAR WASL RESIDENTIAL DEVELOPMENT  
Consultant: Khatib and Alami  
Location: Dubai

**AL BASTI AND MUKTHA LLC**

Project Name: G+2 PRIMARY SCHOOL AND NURSERY SCHOOL  
Consultant: Design and Architecture Bureau - DAR  
Location: Wadi, Al Safa, Dubai

**INTERMASS ENGINEERING AND CONTRACTING**

Project Name: SEA VIEW HOTEL AT PALM JUMEIRAH  
Consultant: Arif and Bintook  
Location: Jumeirah, Dubai



**ALI & SONS CONTRACTING LLC**

Project Name: EMAL ADMINISTRATIVE OFFICES & FACILITIES PROJECT PHASE 2  
Consultant: 3EG Consultant  
Location: Al Tawela Abu Dhabi

**S.S. LOOTAH**

Project Name: PALM VIEWS G+M+4F+RF  
Consultant: Dar - Al Handasah  
Location: Jumeirah, Dubai

**AMBB CIVILS AND CONSTRUCTION**

Project Name: J396 - NEW FACTORY FOR EXIDE  
Consultant: JRHP  
Location: Techno Park

**ENGINEERING CONTRACTING COMPANY**

Project Name: CLIMATE CONTROL ATTITUDE CHAMBER  
Consultant: Planquadrat  
Location: Nad Al Sheba, Dubai

**ANC CONTRACTING**

Project Name: BAY GATE TOWER  
Consultant: N/A  
Location: Business Bay, Dubai

**AROMA BUILDING CONTRACTING**

Project Name: OFFICE STORE FACTORY AL BARAKAT  
Consultant: N/A  
Location: DIC

**BELHASA ENGINEERING BLDG.**

Project Name: 2B+G+M+5 FLOOR COMM. AND RES.BLDG.  
Consultant: DAR Consulting  
Location: Hamriya, Dubai

**SAM BUILDING CONTRACTING LLC**

Project Name: LABOR ACCOMODATION  
Consultant: AMGC  
Location: Jabel Ali, UAE

**SHARAF FOUNDATION LLC**

Project Name: HARROW YARD BUILDING  
Consultant: M/s Teo A Khing Design Consultant  
Location: Nad Al Sheba  
Project summary: Plot No. 600-6888

**DUBUILD CONTRACTING**

Project Name: B+G+5 RESIDENCIAL BUILDING  
Consultant: M/s Emirates Engineering Consultant  
Location: Nad Al Sheba  
Project summary: Plo No. IC3-D13-14

**AFAQ AL MUSANA TRADING LLC**

Project Name: SUBSTATION  
Consultant: Client  
Location: Haimah, Muscat Oman  
Project summary:

**SILVER CROWN CONTRACTING**

Project Name: 5B+G + 2 MEZZANINE + 3PODUIM + 19TYPE + ROOF  
Consultant: M/s Emirates Innovation Engineering Consultant  
Location: Business Bay Dubai  
Project summary: Plot No. A03-038









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Exova  
Warringtonfire

