

# PREQUALIFICATION DOCUMENTS

شركة المنشآت ثلاثية الأبعاد المحدودة

**ME - SSP<sup>®</sup>**



SPACE STRUCTURES Company Ltd.



## Table of Contents

## قائمة المحتويات

1- Presentation about the Company	1- ملخص عن الشركة.
2- Company`s Activity	2- نشاط الشركة.
3- Official Documents of the Company	3- الأوراق الرسمية للشركة.
4- Approved Suppliers	4- الشركات الموردة المعتمدة.
5-Certificates of Achievements	5- شهادات الإنجاز.
6- ISO Certificate	6- شهادة الأيزو
7- KSA projects reference	7- قائمة الأعمال المنجزة.
8- Partners in Success	8- شركاؤنا بالنجاح.
9- Company Financial statement	9- الأوراق المالية للشركة
10- Key employees resume	10- موظفين الشركة
11- Contacts and Addresses	11- موقع الشركة و العناوين.
12-Product Catalog and Images	12- كتالوج المنتج و الصور.

# 1. ملخص عن الشركة

## Presentation about the Company

## مقدمة:

تتخصص شركة المنشآت ثلاثية الأبعاد المحدودة بتصميم و تصنيع وتركيب الهياكل ثلاثية الأبعاد بنظام (ME-SSP®). حيث يتميز هذا النظام من الهياكل بقدرته على تغطية الإمتدادات الواسعة, وبسهولة تركيبه و بكلفته الإقتصادية المنافسة مع المحافظة على أعلى مستويات الجودة.

يتميز نظام (ME-SSP®) بإستخدام الربط الإنشائي "متعدد الوصلات", وفي هذا المفهوم من الربط الإنشائي يتم التوصيل بين الأعضاء الأنبوبية بشكل مباشر بواسطة مجموعة من الوصلات المزدوجة بدون الحاجة إلى رابط خارجي . على مدى أكثر من عشرة سنوات تقوم شركة المنشآت ثلاثية الأبعاد المحدودة و بالتعاون مع الشركة السعودية لأنابيب الصلب المحدودة (SSP) بإجراء الأبحاث على تطوير هذا النظام, وقد أثبت نظام (ME-SSP®) كفاءته الإنشائية المرتفعة و قدرته على نقل و توزيع الأحمال بين الأعضاء سواء كانت قوى محورية أم عزوم إنحناء بشكل فعال و عملي.

## Introduction:

**Space Structures Company Ltd** specializes in the design, fabrication, and erection of the (ME-SSP®) Space frame system.

This system spans large areas, is easy to install and low in cost, while maintaining high degree of quality & safety.

This unique system utilizes the proprietary (Multi Flange™) connection concept .In this concept, tubular members are connected directly to one another, without the intermediary of a connector hub or external node.

We combine years of research in steel structures and space frames with state of the art technology to present a space frame system that serves large areas, is easy to install and low in cost.





## تاريخ الشركة:

تم تأسيس "مؤسسة يوسف المنديل للهيكل الفولاذية" عام 2001 ميلاديه بهدف تطوير و تسويق نظام (ME-SSP®) الحديث في صناعة الهياكل الفولاذية ثلاثية الأبعاد. حيث كانت الأبحاث تتم في مبنى البحوث و التطوير في مصنع الشركة السعودية لأنابيب الصلب المحدودة (SSP) في المنطقة الصناعية الثانية بمدينة الدمام بالمملكة العربية السعودية.

وبعد أن تم إتقان عملية تخصير الأنابيب (Swaging) و التأكد من القدرات الإنشائية العالية لنظام (ME-SSP®) في نقل و توزيع الأحمال و القوى عبر عناصر الهيكل المختلفة و اعتمادا على الوصلة المطورة (Flange 5™) فقد تم العزم على المضي قدما في طرح و تسويق النظام الجديد (ME-SSP®) عبر شركة متخصصة لهذه الأعمال.

تم تأسيس شركة المنشآت ثلاثية الأبعاد (ذات مسؤولية محدودة) المقيدة بالسجل التجاري لمدينة الخبر برقم 20500538970 و تاريخ 1427/2/28 هـ المثبت عقد تأسيسها لدى فضيلة كاتب العدل بالغرفة التجارية الصناعية بالمنطقة الشرقية بعدد 1375 صحيفة 59 مجلد 10 لعام 1427 هـ و تاريخ 1427/1/28 هـ

إن مرونة نظام (ME-SSP®) تتيح المجال واسعا للتطوير و الإبداع في مجال الهياكل ثلاثية الأبعاد. فبعد النجاح الكبير الذي تم تحقيقه عبر إبتكار وصلة الربط (Flange 5™), فإن التجارب و الدراسات أثبتت القدرات الإنشائية العالية لوصلة الربط المزدوجة (Flange 6™) وتخصص شركة المنشآت ثلاثية الأبعاد المحدودة الجزء الأهم من ميزانيتها السنوية لأبحاث التطوير عبر تعاونها الوثيق مع الشركة السعودية لأنابيب الصلب المحدودة (SSP), الشركة الرائدة في صناعة الأنابيب.

## History of the company:

“**Y. Al-Mandil Est. for Steel Structures**” was licensed in 2001 AD for the marketing and development of the (**ME-SSP**<sup>®</sup>) space frame system, as the research and development carried out in the R&D Building of the **Saudi Steel Pipe Company (SSP)** in the Second Industrial City in Dammam, Saudi Arabia.

The establishment, which later turned into a company, has mastered the innovative process of preparing pipe ends by swaging, ensuring construction of a high strength system (**ME-SSP**<sup>®</sup>) in transferring and distributing the loads and forces across the various elements of the structure.

The “**Space Structures Company Ltd**” achieved an optimal force transfer mechanism among the members of the space frame by utilizing propriety flanges (Flange 5<sup>™</sup>) and (Flange 6<sup>™</sup>). It has recently established a specialized plant for the production of space frames in the new expansion of the Second Industrial Area in Dammam.

## بيانات الشركة:

اسم الشركة:	شركة المنشآت ثلاثية الأبعاد المحدودة.
رأس المال المدفوع:	شركة ذات مسؤولية محدودة برأس مال مدفوع 2,000,000 ريال سعودي.
الجنسية:	شركة سعودية 100%
العنوان:	ص.ب. 31738 الخبر 31952, المملكة العربية السعودية
أرقام التلفون:	00966138988313 – 00966138993999
فاكس رقم:	00966138988323
موقع الشركة الإلكتروني:	www.spacestructures.com.sa
بريد الشركة الإلكتروني:	info@yme.com.sa
رئيس مجلس الإدارة:	د. مصطفى بن يوسف المنديل.
البنوك:	البنك العربي الوطني.
النشاطات:	تصميم و تصنيع وتركيب الهياكل الفولاذية ثلاثية الأبعاد بنظام (ME-SSP®)

## Company Data:

<b>Company Name:</b>	Space Structures Company Ltd,.
<b>Paid-Up Capital:</b>	Limited Liability Company with a paid-up capital of 2,000,000 SR
<b>Nationality:</b>	Saudi 100%
<b>Address:</b>	P.O. Box: 31738, Khobar 31952, Kingdom of Saudi Arabia.
<b>Telephone Number:</b>	00966 13 8993999, 00966 3 8988313
<b>Fax Number:</b>	00966 13 8988323
<b>Website:</b>	www.spacestructures.com.sa
<b>e-mail:</b>	info@yme.com.sa
<b>Chairman of the board:</b>	Dr. Mustafa Yousif Al-Mandil
<b>Banks:</b>	National Arab Bank.
<b>Company`s Activity:</b>	Design, fabrication, and erection of space frame structures of (ME-SSP®) system.



## 2. نشاط الشركة.

## Company's Activity

## نشاط الشركة:

تقوم شركة المنشآت ثلاثية الأبعاد المحدودة بتصميم و تصنيع و توريد و تركيب الهياكل الفولاذية ثلاثية الأبعاد (Space Frames) حسب نظام (ME-SSP<sup>®</sup>), حيث تقوم الشركة بتطويره و تسويقه في المملكة العربية السعودية و كافة أنحاء العالم .

### Company`s Activity:

Space Structures Company Ltd, activity is design, fabrication, supply, and installation of space frame structures according to the (ME-SSP<sup>®</sup>) system. The company is dedicated to promote this system in the Kingdome of Saudi Arabia as well as around the world.

### 3. الأوراق الرسمية للشركة.

**Official Documents of Company**



## شهادة الاشتراك - Membership Certificate



Membership No : 79567

Classification : Second

Date of Issue : 02/03/2021

Asharqia Chamber Certifies that :

SPACE STRUCTREES CO. W.L.L

Commercial Register No: 2050053897

Registered with Chamber since : 18/03/2007 and

the certificate expires on : 12/09/2023

,31738 ,الخبر ,1952

رقم الاشتراك : 79567

الدرجة : الثانية

تاريخ الاصدار : 18/7/1442

تشهد الغرفة التجارية الصناعية بالمنطقة الشرقية بأن

شركة المنشآت ثلاثية الابعاد المحدودة

المقيدة بالسجل التجاري / الترخيص رقم: 2050053897

مستتركة في الغرفة منذ : 28/02/1428

وينتهي سريان هذه الشهادة في : 27/02/1445

,31738 ,الخبر ,1952



يمكنك التحقق من صحة هذه الشهادة

<https://www.chamber.org.sa/VerifyCert>





وزارة التجارة  
Ministry of Commerce

رؤية  
VISION  
2030  
المملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA

الرقم: ٢٠٥٠٠٥٣٨٩٧

التاريخ: ١٤٢٨/٠٢/٢٨ هـ

شهادة تسجيل الشركة

الرقم الموحد للمنشأة: ٧٠٠١٥٣٥٠٨٢

الاسم التجاري للشركة: شركة المنشآت ثلاثيه الابعاد المحدودة

نوعها: ذات مسؤولية محدودة

جنسيتها: سعودي

مدة الشركة: ٥٠ سنة

تبدأ من: ١٤٢٨/٠٢/٢٨ هـ

وتنتهي في: ١٤٧٨/٠٢/٢٧ هـ

مركزها الرئيسي: الدمام / الصناعية الثانية

ص ب: ..... الرمز البريدي: ..... هاتف: .....

النشاط: للاطلاع على بيانات الأنشطة الرجاء مسح الرمز التجاري

رأس المال: ٢٠٠٠٠٠٠٠ ريال سعودي

المديرون: ١ مصطفى يوسف مصطفى المنديل

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سلطات المدير/المديرون: حسب ما نص عليه عقد الشركة

يشهد مكتب السجل التجاري بمدينة: الدمام

بأنه تم تسجيل فرع الشركة المذكورة أعلاه بمدينة: الدمام

وتنتهي صلاحية الشهادة في: ١٤٤٥/٠٢/٢٧ هـ

بموجب الإيصال رقم: ٩٧٤٧٦٨٤ وتاريخ: ١٤٤٣/٠٢/١٢ هـ

مدير السجل التجاري للشركات: عبد المحسن بن ابراهيم الحماد

التوقيع:



يمكنك التحقق من صحة هذه الشهادة بالدخول على <http://v.mci.gov.sa> To Verify the information of this certificate visit

الرقم الموحد للمنشأة: ٧٠٠١٥٣٥٠٨٢

رقم السجل: ٢٠٥٠٠٥٣٨٩٧

التاريخ: ١٤٢٨/٠٢/٢٨ هـ



وزارة التجارة  
Ministry of Commerce

رؤية VISION  
2030  
المملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA

ملف الأنشطة

الاسم التجاري: شركة المنشآت ثلاثيه الابعاد المحدودة

الأنشطة	رمز النشاط	المجال العام للأنشطة
اسم النشاط		
صناعة الهياكل المعدنية وأجزائها للجسور والأبراج (النشاط يتطلب الحصول علي ترخيص من وزارة الصناعة والثروة المعدنية)	٢٥١١١١	الصناعات التحويلية







التاريخ : 1440/07/14 هـ

الموافق : 2019/03/21 م

لمن يهمه الأمر

تعريف برقم أيبان

رقم الفرع : 0324

اسم الفرع : الصناعي الثاني

اسم العميل : شركة المنشآت ثلاثية الأبعاد المحدودة

رقم الهوية : 3277 ص

رقم الحساب : 0108055444550018

رقم أيبان : SA3230400108055444550018


اسم الموظف :

الفرع : null

التاريخ : 1440/07/14 هـ

الختم و التوقيع :

تصديقي على نسخة بيديك المستنسخة التالية - عربي	
anb Details of the following document correct.	
Bank Statement	<input type="checkbox"/> كشف الحساب
Account Number and IBAN	<input type="checkbox"/> رقم الحساب و الأيبان
Stip of Dishonored Cheque	<input checked="" type="checkbox"/> ورقة الاعتراض على الشيك
فرع الصناعية الثانية - الدمام 324 - Second Industrial City - Dammam	
توقيع مسؤولي الفرع	

  
Mohammad K. Almobark  
A-75



تاريخ الوضوح : ١٤٣٧/٠٢/٢٢ هـ  
الرقم المميز : ٢٠٠٥٤٢٧٨٧٥



الهيئة العامة للزكاة والدخل  
GENERAL AUTHORITY OF ZAKAT & TAX

المملكة العربية السعودية  
الهيئة العامة للزكاة والدخل  
GENERAL AUTHORITY OF ZAKAT & TAX  
(IAG)

شهادة  
CERTIFICATE

## شهادة تسجيل في ضريبة القيمة المضافة VAT registration certificate

تشهد الهيئة العامة للزكاة والدخل بأن المكلف : شركة المنشآت ثلاثية الأبعاد المحدودة  
مسجل في ضريبة القيمة المضافة بتاريخ : ١٤٣٦/٠٢/٢٢ هـ ، وتعمل الرقم الضريبي : ٢٠٠٥٤٢٧٨٧٥٠٠٠٠٢

عنوان المركز الرئيسي :  
المدينة : الخبر الحي : العقربية  
صندوق البريد : الرمز البريدي : ٣٤٤٤٥  
الهاتف : ٠٠٩٦٦٥٤٧٩٨٧٩٧٢

الهيئة العامة للزكاة والدخل



هذه الوثيقة مرسلة من النظام الآلي ولا تحتاج إلى توقيع



رقم الشهادة: ١٠٤٠٢٤٥٩٩١  
التاريخ: ١٤٤٣/١٠/١٣ هـ  
الرقم المميز: ٣٠٠٥٤٣٧٨٧٥



الهيئة العامة للزكاة والدخل  
General Authority of Zakat & Tax

المملكة العربية السعودية  
الهيئة العامة للزكاة والدخل  
General Authority of Zakat & Tax

## شهادة CERTIFICATE

تشهد الهيئة العامة للزكاة والدخل بأن المكلف / شركة المنشآت ثلاثية الأبعاد المحدودة

شركة رقم ٧٠١٥٣٥٠٨٢ وسجل تجاري رقم ٢٠٥٠٠٥٣٨٩٧

قدم إقراره عن الفترة المنتهية في ٢٠٢١/١٢/٣١م

وقد منح هذه الشهادة لتمكينه من إنهاء جميع معاملاته بما في ذلك صرف مستحقاته  
النهائية عن العقود.

يسري مفعول هذه الشهادة حتى تاريخ ١٤٤٤/١٠/١٠ هـ الموافق ٢٠٢٣/٠٤/٣٠ م.

(العاشر من شوال ألف و أربعمئة و أربعة و أربعون هجري)

الفروع ( ١ ) في النموذج المرفق



الختم الرسمي

هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع

لا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة [www.gazt.gov.sa](http://www.gazt.gov.sa)





رقم الشهادة: ١٠٤٠٢٤٥٩٩١  
التاريخ: ١٤٤٣/١٠/١٣ هـ  
الرقم المميز: ٣٠٠٥٤٣٧٨٧٥



الهيئة العامة للزكاة والدخل  
General Authority of Zakat & Tax

المملكة العربية السعودية  
الهيئة العامة للزكاة والدخل  
General Authority of Zakat & Tax

### قائمة فروع المكلف شركة المنشآت ثلاثية الأبعاد المحدودة

رقم السجل	الرخصة	إسم الفرع	المدينة
	٩١٣	شركة المنشآت ثلاثية الأبعاد	الخبر



الختم الرسمي

هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع  
لا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة [www.gazt.gov.sa](http://www.gazt.gov.sa)

التاريخ ١٤٤٣/١١/٠١  
الموافق ٣١/٠٥/٢٠٢٢  
رمز الشهادة ٤٦٥٩٣١١١



## شهادة

إسم المنشأة : شركة المنشآت ثلاثية الابعاد المحدودة  
ص.ب : ٣١٧٣٨ الخبر ٣١٩٥٢  
السعودية  
رقم الإستشارك : ٥٠١٩٤٠٩٠٩  
رقم السجل التجاري: ٢٠٥٠٠٥٣٨٩٧

مصدره :

رقما	كتابة	عدد المشتركين السعوديين
٦	سنة مشتركين	عدد المشتركين غير السعوديين
٢٧	سبعة و عشرون مشتركا	المجموع
٣٣	ثلاثة و ثلاثون مشتركا	

تشهد المؤسسة العامة للتأمينات الإجتماعية بأن المنشأة المذكورة أعلاه قد أوفت بالتزاماتها تجاه المؤسسة وفق البيانات المقدمة منها حتى تاريخ إصدار هذه الشهادة ، والتي تم منحها لتقدمها لأية جهة تطلبها ، وهي صالحة لجميع الأغراض التي نص عليها نظام التأمينات الإجتماعية في المادة (١٩/٦) منه.

هذه الشهادة سارية المفعول حتى ١٤٤٣/١١/٣٠ هـ.

يلزم التحقق من صحة وصلاحيه الشهادة عبر زيارة الرابط  
أدناه في الموقع الإلكتروني للمؤسسة العامة للتأمينات الإجتماعية  
أو عن طريق استخدام  
الرمز المعرف التالي :



[www.gosi.gov.sa/vc](http://www.gosi.gov.sa/vc)

( الشهادة معتمدة من صاحب الصلاحيه ولا تحتاج إلى توقيع أو ختم )

ننهادة

[www.gosi.gov.sa](http://www.gosi.gov.sa)  
800 1243344



تعد هذه الشهادة من الوثائق الإلكترونية الحكومية الرسمية ، ويحظر قطعيا تقليدها أو إدخال أي تعديلات عليها سواء بالإضافة أو الحذف أو التغيير في بياناتها أو غير ذلك من انواع التعديل ، وتعد الشهادة لاغية إذا شابهها شيء من ذلك ، كما تعرض صاحبها للملاحقة النظامية أمام الجهات المختصة بالإضافة إلى مايفرضه نظام التأمينات الاجتماعية من عقوبات ، ولايجوز تداول الشهادة إلا في الأغراض التي أصدرت لأجلها وفقا لأحكام نظام التأمينات الاجتماعية ، والمؤسسة العامة للتأمينات الاجتماعية غير مسؤولة عن أي آثار أخرى مترتبة قبل الغير عن الشهادة وغير مسؤولة عن أي عملية تزوير أو تعديل تتم على البيانات الواردة فيها .

  
التأمينات الإلكترونية  
بإمكانك من مكانك

## شهادة سعودة

رقم الشهادة 152041-45113451

تاريخ الإصدار 2022-11-13

تاريخ الانتهاء 2023-02-11

رقم المنشأة 4-61877

اسم المنشأة شركة المنشآت ثلاثيه الابعاد المحدودة

حالة الشهادة نشط

رقم السجل التجاري 2050053897

الرقم الوطني الموحد 7001535082



تشهد وزارة الموارد البشرية والتنمية الاجتماعية بأن المنشأة المذكورة أعلاه حققت نسب التوطين المطلوبة منها

وتم منحها هذه الشهادة حسب طلبها

الشهادة معتمدة من صاحب الصلاحية ولا تحتاج إلى توقيع أو ختم



## 4. الشركات الموردّة المعتمدة.

### Approved Suppliers

**Supplier Profile**

[Supplier Information](#)  
[Supplier Feedback](#)

**Supplier Performance**

[Performance Report](#)

**Purchase Order**

[PO List](#)  
[My Old PO](#)  
[POs with Concerns](#)

**Request for Quotation**

[RFQ List](#)

**Invoices**

[Commit Invoice](#)  
[My Deleted Invoices](#)  
[Invoices Paid](#)  
[Invoices Under process](#)  
[Invoices Under  
 verification](#)  
[Invoice Confirmation](#)

**Administration**

[User Management](#)

**VENDOR INFORMATION**

WELCOME:SPACE STRUCTURES COMPANY LTD

**ADDRESS**

**VENDOR NUMBER** 0000503335  
**P.O. BOX** 31738  
**CITY** KHOBAR  
**POSTAL CODE** 31952  
**COUNTRY** SA  
**TELEPHONE** 0138993999

**FAX**

**E-MAIL**

**BANK INFORMATION**

Bank Ctry	Bank Key	Bank Account	Ctrl Key	Partner Bk	Coll Auth	Bank Ref.	Bank Name
SA	ANB	0108055444550018	SAR				ARAB NATIONAL BANK





**ANNOUNCEMENT OF SUPPLIER REGISTRATION**

إخطار بتسجيل مورد

Date : 23/05/2010

التاريخ : ٩ / ٠٦ / ١٤٣١ هـ

Space Structures CO.W.L.L.

شركة المنشآت ثلاثيه الابعاد المحدودة

FAX NO.: 8988323

فاكس رقم: ٨٩٨٨٣٢٣

Gentlemen:

السلام عليكم ورحمة الله وبركاته،

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

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

This is to acknowledge that your registration request and documentation have been reviewed and accepted. Royal Commision in Jubail- Supply Management Department has registerd your Company/Estblishment under vendor Number 13719

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 ١٣٧١٩

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

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 الألكترونية للهيئة الملكية.

Very truly yours,

ولكم تحياتي،

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

**عبد الرحمن بن ابراهيم الجلعوز**  
رئيس قسم المشتريات  
إدارة المشتريات والمستودعات



المرفقات: ٤

التاريخ: ١٤٣١ / ١١ / ١٩

الرقم: ١٧٢٨ / ١٥

Space Structures Company Ltd.

السادة/ شركة المنشآت ثلاثية الأبعاد

P.O.B. 31738, Khobar 31952 Tel :03-8993999 Fax: 03-8988323 ف: ٠٣-٨٩٨٨٣٢٣ ت: ٠٣-٨٩٩٣٩٩٩ ص.ب: ٣١٧٣٨ الخبر ٣١٩٥٢

السلام عليكم ورحمة الله و بركاته،،،

## APPROVAL LETTER

## شهادة اعتماد مورد

This is in response to your request for your materials approval to start supplying our projects.

We are pleased to inform you that the Administration has approved you only for the following materials:

1. Steel Space Structures Works.

As per the specification set by our administration, you will have to follow, failing which the approval may be withdrawn.

We hope you comply by the rules and regulations that have been enclosed with this letter.

We wish you all the luck and success in your venture.

Best regards,

بالإشارة إلى طلبكم بشأن اعتماد شركتكم كأحد الموردين المعتمدين في مشاريع المدينة الجامعية و بعد الإطلاع و دراسة موادكم و المستندات الثبوتية و سابقة الأعمال المنفذة لمختلف المشاريع الحكومية و غير الحكومية التي قمتم بها و بعض العينات من المواد التي سيتم توريدها. عليه لا مانع لدينا من اعتماد شركتكم لتوريد المواد التالية فقط:

١. أعمال المنشآت ثلاثية الأبعاد الحديدية.
- و نود التنويه لضرورة التقيد بالموصفات الفنية الواردة في جميع المستندات التعاقدية لمشاريع المدينة الجامعية ، و إن ثبت خلاف ذلك سيتم سحب الاعتماد.

و تقبلوا فائق الإحترام و التقدير

٠٣ ن.إ.س. ك.م.ن

د.س.س

مدير إدارة المدينة الجامعية بالأحساء  
(Manger of Administration of Al-Hassa Campus)

Saudi Steel Pipe Company

الشركة السعودية لأنابيب الصلب  
(راس المال ٣٥٠,٠٠٠,٠٠٠ ريال)

## شهادة مطابقة CONFORMANCE CERTIFICATE

Saudi Steel Pipe Company (SSP) certifies that the material/product has been manufactured, inspected and tested in accordance with the requirements of SSA 1011-H/ASTM A53 G-A SCH40 specification, and unless otherwise stated, conforms in all respects to the specification.

تشهد الشركة السعودية لأنابيب الصلب بأن المنتج قد تم تصنيعه، فحصه، واختباره حسب متطلبات المواصفات السعودية رقم ١٠١١-٩٥ الثقيلة والمعادلة للمواصفات الأمريكية ASTM A53 G-A SCH40 وأن المنتج مطابق لكل متطلبات المواصفات المذكورة.

Issued on 08 March 2010 to M/S.SPACE STRUCTURE CO., LTD. at Quality Assurance Dept.

حررت بتاريخ ٨ مارس ٢٠١٠م لصالح شركة المنشآت ثلاثية الأبعاد المحدودة.

Khalid Babakri, PhD. د. خالد بابكري  
QA Manager مدير قسم الجودة

SL-0394  
SCT-0592هاتف : 03 812 2222  
فاكس : 03 812 1005ص. ب 11680  
الدمام 31463سجل تجاري 2050009144  
رقم العضوية بالخرفة 101 C. C.





صينوبك سيرفيس العربية السعودية  
SINOPEC SERVICE Saudi Arabia

Sinopec Office Building EuroVillage Compound,  
P.O. Box 32159, Al-Khobar 31952, K.S.A.  
Tel: +966 (3) 857 5801  
Fax: +966 (3) 857 5983  
www.sipsc.com

SINOPEC VENDOR CODE	2008030017
---------------------	------------

Date : April 2, 2011

**Company** : Space Structures Company Ltd.  
**Address** : P.O. Box 31738, Al Khobar 31952, K.S.A.  
**Telephone** : +966 3 899 3999  
**Facsimile** : +966 3 898 8323

**Subject: Vendors Approval**

Dear:

With references to your pre-qualifications, we at SINOPEC SERVICE are pleased to inform you that you have qualified to be an approved vendor after having successfully passed all the requirements, evaluations, manufacturing / warehouse visits and interviews.

The following is the list of material/services that you can render to SINOPEC SERVICE:

MATERIAL/SERVICE GROUP	DESCRIPTION
904104	Fabrication & Installation, Structural

The above mention services shall continue to meet the SINOPEC SERVICE Saudi Arabia overall requirements and standards.

This approval is valid for 3 years from the date mentioned above and Sinopec Vendor number should be used for all future correspondences with us. However, SINOPEC reserves the right to randomly evaluate and/or terminate the approval over meeting dissatisfaction with regards to the standards policies and procedures.

This approval should not be construed or misunderstood as, SINOPEC's commitment to purchase from you for the mentioned material/services but your company will have the opportunity to respond to request along with other approved sources in accordance with SINOPEC policies and procedures.

We appreciate and thank you for showing interest in SINOPEC.

Sincerely yours,

Li Leibo  
Vice President,  
SINOPEC SERVICE Saudi Arabia



SAUDI STEEL GALVANIZING INDUSTRIES



الصنعة السعودية للمعاقن

TO WHOM SO EVER IT MAY CONCERN

Date : 08 March 2010

THIS IS TO CERTIFY THAT WE SAUDI STEEL GALVANIZING INDUSTRIES, ARE USING AMERICAN STANDARD ASTM A.123 FOR HOT DIP GALVANIZING.

'SPACE STRUCTURE CO. LTD.' IS OUR REGULAR CLIENT AND ARE USING ASTM STD. A 123 HOT DIP GALVANIZING FOR ALL THEIR SPACE FRAMES PROJECT.

Saudi Steel Galvanizing Industries



For: Madhu. B.

Engr. Narciso Y. Onrubia  
Plant Manager





Balhamer Metal Coating



مصنع بلحمر لطلاء المعادن ذ.م.م



KABCO

كابكو

ناتورال

Factory Ltd

Corro-Coat PE Series 7 versatile exterior coating

**COMPLIANCE CERTIFICATE**

Date: 8-Mar-10

Messrs:

"SPACE STRUCTURE CO. LTD"

Al-Khobar

This is to issue certificate of PE Series 7 of Corro-Coat Jotun Powder, Coating was applied in our factory on Space Frames, compliance with standard procedure

Hence, we confirm that quality control and tests have been conducted at every stage of coating application to ensure compliance with relevant specification.

Yours truly

Fayaz Mohammed Khan

## 5. شهادات الإنجاز.

# Certificates of Achievements

## CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS ISSUED TO

**SPACE STRUCTURES Company Ltd.,**

IN APPRECIATION TO

THEIR QUALITY WORKMANSHIP AND SERVICE IN THE

WORKS AWARDED TO THEM IN OUR FOLLOWING PROJECTS:

SHAYBAH CENTRAL FACILITY FOR SPACE FRAME @ GATE HOUSE,

ARAR CEMENT PLANT PROJECT FOR SPACE FRAME @ SCHOOL & SECURITY BUILDINGS

AND

NAJRAN CEMENT PLANT PROJECT FOR SPACE FRAME @ SCHOOL, RESTAURANT,

SECURITY & HEAD QUARTER BUILDINGS

  
**Mohammed Mahfouz**  
Procurement Manager



Seal:

Date:



Ref: G/L/PSCO./10/2010

Date:07/07/2010

**To Whom It May Concern.**

This is to certify that **M/s Space Structures Company Ltd.** had successfully installed three elliptical sunshade canopies (Space frame Shades) at **Al-Khafji Joint Operations ( AGOC/KGOC )** through the Projects & Supplies Co. During the execution of these projects their Workmanship and coordination which we highly appreciated.

This certificate is issued upon their own request without any obligation on our part..

  
Fawfeeq Sa'aydah

Branch Manager  
Projects & Supplies Co.  
(A Member Of Al-Fozan Group)







INDUSTRIAL CONTRACTORS  
&  
PIPELINE SERVICES CO.

# PROJECT COMPLETION CERTIFICATE

SAFETY IS OUR FIRST GOAL



QUALITY IS OUR FIRST PRODUCT

# MANABRAH AL-JUBAIL CONST. CO. LTD.

P. O. Box 977, Al-Jubail, 31951  
Kingdom of Saudi Arabia.  
Phone: + 966 (03) 362 4006/ 3615119/ 361 7929  
Fax: + 966 (03) 361 7991

Website: [www.manarahglobal.com](http://www.manarahglobal.com)

E-mail: [info@manarahglobal.com](mailto:info@manarahglobal.com)

This is to certify that

## M/S. SPACE STRUCTURES CO. LTD., AL-KHOBAR

A 100% Saudi Company has successfully completed the Design, Fabrication & Erection of our following project,

### MAIN SECURITY GATE SHADE AT SADAF

We acknowledge that above Space Frame works have been carried out by M/s. Space Structures Co. Ltd in compliance with SABIC Specification & Schedule as per our requirements.

We are very happy to associate with M/s. Space Structures Co Ltd for our future projects.

28<sup>th</sup> February 2010

AL-JUBAIL



  
M. Abdul Samad  
General Manager (Technical)







## مجموعة شركات الحصان Al-Hussan Group of Companies

May 5, 2003

٥ مايو ٢٠٠٣ م

M/s. Yousif Al-Mandil Est.  
For Steel Structures.  
P.O. Box: 63693,  
Dammam-31526,  
Kingdom of Saudi Arabia

المسادة/مؤسسة يوسف المنديل للهيكل  
الفولاذية  
المحترمين  
ص.ب ٦٣٦٩٣ ، الدمام ٣١٥٢٦  
المملكة العربية السعودية

Dear Sir,

السلام عليكم ورحمة الله وبركاته ...

Al-Hussan Group would like to express their tanks to Yousif Al-Mandil Establishment for Steel Structures "YME". For the completion of the Al-Hussan School at Dammam space frame shade in October-2002.

نتقدم مجموعة الحصان بالشكر إلى مؤسسة يوسف المنديل للهيكل الفولاذية وذلك على حسن إنجازها لأعمال مظلة الهيكل ثلاثية الأبعاد بمدارس الحصان بالدمام وذلك خلال شهر أكتوبر عام ٢٠٠٢م.

We acknowledge your completion of space frame works on schedule and in compliance to our requirements.

كما نشيد بالتزامكم بجودة الأعمال المنفذة والجدول الزمني.

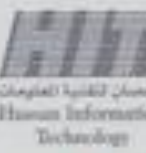
We have no hesitation to do business with your establishment for similar works in the future.

ولا مانع لدينا من التعامل مع مؤسستكم في أعمال مماثلة بالمستقبل

Thanks & regards,

ولكم التحية والتقدير

رشيد عبدالعزيز الحصان  
Rashid Abdul Aziz Al-Hussan  
الرئيس  
President





# مدارس الملك عبد العزيز الأهلية

بنين - بنات

لماحيها ، عبد الله عبد الرحمن أبو نهيمة

التاريخ: ٢٠٠١/٩/٥ م

المحترمين

السادة /مؤسسة يوسف المنديل للهيكل الفولانية

ص.ب ٦٣٦٩٣ الدمام ٣١٥٢٦

نتقدم إدارة مدارس الملك عبد العزيز بالخير بوافر الشكر إلى مؤسسة يوسف المنديل للهيكل الفولانية ، وذلك وفاء وعرفان لما قدمته من إنجاز أعمال مظلات الهياكل ثلاثية الأبعاد في قسم البنين الابتدائي والمتوسط .

وتشكر إدارة المدارس مؤسسة يوسف المنديل على إنجازها للأعمال حسب مواعيدها كما تشكر حسن التنفيذ وجودة الأعمال .

وتتمنى إدارة مدارس الملك عبد العزيز استمرار التعاون مع مؤسسة يوسف المنديل للهيكل الفولانية .

المدير العام





## CERTIFICATION

*This is to certify that*

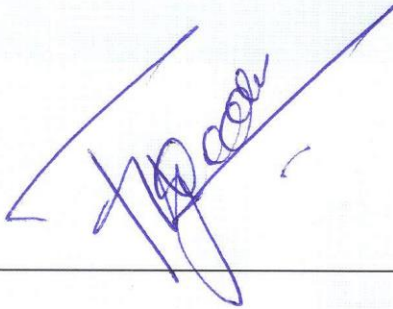
*M/S . Space Structures Co. Ltd*

*A 100% Saudi company has successfully completed the Design, Fabrication & Erection of our following project ,*

**Supply & Installation of Shade at SAFCO, Jubail**

*We acknowledge that above space frame works have been carried out by M/S. Space Structures Co. Ltd in compliance with project specification & Schedule as per our requirement.*

*We are very happy to associate with M/S. Space Structures Co. Ltd for our future projects*



*Mohammed Faizuddin*

*Project Manager*





ABDULAZIZ A.R. ALSHAMMI & SON'S CO.




شركة عبدالعزيز السحيمي وأولاده

الأحد، 06 مارس، 2005

## شهادة إنجاز

تتقدم شركة عبدالعزيز السحيمي وأولاده بالشكر لمؤسسة يوسف المنديل للهيكل الفولاذية ، و ذلك لإنجازها مظلة الهياكل الثلاثية الأبعاد لمدخل مبنى مجمع الأكسبر التجاري الواقع على طريق الدمام - الجبيل ، و الذي تم انجازه في شهر يناير من عام 2005 .  
و بهذا نشيد بحسن و جودة انجاز العمل و طيب التعامل و الله الموفق ،،،

مع تحياتي  
  
فهد بن عبدالعزيز السحيمي  
نائب المدير التنفيذي

شركة عبدالعزيز بن عبد الرحمن السحيمي وأولاده  
ABDULAZIZ A.R. AL SHAMMI & SON'S CO.  
C.R. 2000000000  
ص.ب. 44444  






المشروعات : طوق

التاريخ / ٥ / ١٤٣٧ هـ

الرقم / ٨٨٩٧٣ / ٤٢

### اعتماد عينات

اسم المشروع : إنشاء المعهد العالي التقني للبنات بالطائف

المادة المقدمة : مصنع توريد و تنفيذ اعمال الهكل الحديدي للبهو الرئيسي

اسم المورد / المصنع : شركة المنشآت ثلاثية الابعاد المحدودة

المحترم

المكرمين / مكتب التوفيق للاستشارات الهندسية

☎ فاكس : ٥٨٢٣٧٣٥

الإحساء : ٣١٩٨٢

☎ ص ب : ٢٦٣

بتاريخ ( ١٩ / ٥ / ١٤٣٧ هـ )

بالإشارة إلى خطابكم ١١٢ / م ط / ٢٠١٦ )

بخصوص تقديمكم المواد أعلاه نفيدكم بالتالي :

لا مانع من اعتماد شركة المنشآت ثلاثية الابعاد المحدودة لتوريد و تركيب المنشأ المعدنى SPACE  
FRAME للمشروع اعلاه على ان يتم تقديم المخططات التنفيذية و النوتة الحسائية للاعتماد اولا بعد  
مراجعة الاستشاري لها مع الالتزام بوثائق العقد و تقديم الضمانات اللازمة و لن يعتد بالاعتماد ما لم يتم  
اعتماد النوتة الحسائية و المخططات التنفيذية اولا .

،،،،، وتقبلوا تحياتي ،،،،،

نائب رئيس لجنة العينات  
فهد بن حمد العقيل



<b>THE CONTRACTOR / المقاول</b> 	مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية – المرحلة الثانية ب <b>King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2C2</b>	<b>THE ENGINEER / المهندس</b> 
<b>DESIGN CONSULTANT</b> أستاذة التصميم 	 Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني	AUG 17 '15 AM 03:04 

**DOCUMENT SUBMITTAL FORM / نموذج تقديم مستندات**

Site No./رقم الموقع: 00	Site Name/أسم الموقع: General	Project No./رقم المشروع: K2C.00
Bldg. No./رقم المبنى: 0000	Bldg. Name/أسم المبنى: General	Location/المنطقة: NAJRAN / ABHA
Description / وصف المستند: <b>Space Structure (Space Frame) – KAP2-C2</b>		

To / إلى: NKY – Architects & Engineers -
Attention / عناية: Yalcin Tanir. – NKY Sites Manager
From / من: Hisham Alkalfah – Contractor's PD

Submittal No / رقم التقديم: K2C-000-0000-AA-PR-VP-0019
Date & Time / التاريخ والوقت: 12 Aug 2015
Return Date / تاريخ الإستلام:

Type of Submittal / نوع المستند	
<input checked="" type="checkbox"/> X	Pre-qualification / سابقة الأعمال
<input type="checkbox"/>	Method Statement / طريقة التنفيذ
<input type="checkbox"/>	Work Prog. & Schedule / برنامج عمل/جدول زمني
<input type="checkbox"/>	Product Data/ بيانات المنتج
<input type="checkbox"/>	Test Reports/Certificates / نتائج إختبارات/ شهادات
<input type="checkbox"/>	Others/أخرى: ( )

Discipline / التخصص	
<input type="checkbox"/>	General / عام
<input type="checkbox"/>	Architectural / معماري
<input checked="" type="checkbox"/> X	Structural / إنشائي
<input type="checkbox"/>	Electrical / كهرباء
<input type="checkbox"/>	Mechanical / ميكانيكي
<input type="checkbox"/>	Civil / مدني
<input type="checkbox"/>	Others / أخرى

Enclosures / المرفقات: K2C-000-0000-AA-DS-VP-0003

**Space Structures Company Ltd.**

Submitted for / الغرض من التقديم: <input checked="" type="checkbox"/> X	Approval / للاعتماد: <input type="checkbox"/>	Information / للمعلومية: <input type="checkbox"/>	Coordination / للتنسيق: <input type="checkbox"/>
---	---	---	--

Note: By completing this form, Contractor certifies that the document complies with contract conditions.

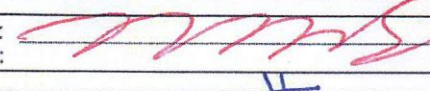
Signature / التوقيع: 	Date / التاريخ: 12 AUG 2015	Signature / التوقيع: 	Date / التاريخ: 12/8/15
MOHAMMAD AL ABDALI Documentation Control Center		Mats Andersson Prepared by المهندس المسؤول:	HISHAM AL-KHALFAH ABV representative – PD/PM ممثل المقاول:

Engineer:	Received by / أسمى المستلم:	Received Date / تاريخ الإستلام:	Received Time / وقت الإستلام:	Stamp
-----------	-----------------------------	---------------------------------	-------------------------------	-------

Engineer Comments: توصيات الإستشاري:

*Pl. Refer to attached Comment sheet. Space structure Co. has evaluated for prequalification*

This approval does not relieve the contractor of his responsibility as per the contract.

Engineer Signature: 	Title: <i>Material specialist</i>	Date: <i>10/8/2015</i>
توقيع الإستشاري:	الوظيفة:	تاريخ:

Result:

A- Approved / يعتمد

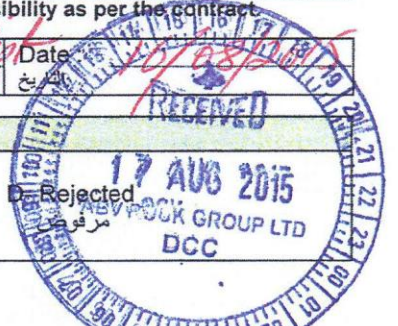
B- Approved as Noted and resubmit for record / يعتمد بملاحظات

C- Revise & Resubmit / يراجع ويعاد التقديم

D- Rejected / مرفوض

Distribution Copy:

MOI  NKY  CONTRACTOR  S/C





Date: 16-Jul-14	التاريخ:															
Transmittal No: 05162-001(AIt-1)	رقم التقديم:															
Project Name: SANG AVIATION IN KHASHM ALAAN Location : Riyadh	اسم المشروع: الطيران العمودي بخشم العان الموقع: الرياض															
Nesma & Partners Contracting Company	اسم المقاول: شركة نسما وشركائهم للمقاولات المحدودة															
Material to be used for: Supply and Installation of Space Frame For Buildings: B001, B002 & B015	اسم العينة: مكان الاستخدام: رقم العينة: نوع العينة:															
Specification No: 05162																
Material Description : Space Frame	<table border="1"> <tr> <td>Architecture</td> <td>معماري</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Civil</td> <td>مدني</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Electrical</td> <td>كهرباء</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Mechanical</td> <td>ميكانيكا</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Furniture</td> <td>اثاث</td> <td><input type="checkbox"/></td> </tr> </table>	Architecture	معماري	<input checked="" type="checkbox"/>	Civil	مدني	<input checked="" type="checkbox"/>	Electrical	كهرباء	<input type="checkbox"/>	Mechanical	ميكانيكا	<input type="checkbox"/>	Furniture	اثاث	<input type="checkbox"/>
Architecture	معماري	<input checked="" type="checkbox"/>														
Civil	مدني	<input checked="" type="checkbox"/>														
Electrical	كهرباء	<input type="checkbox"/>														
Mechanical	ميكانيكا	<input type="checkbox"/>														
Furniture	اثاث	<input type="checkbox"/>														
ATTACHMENTS: Pre-qualification Documents, Catalogue, Company Profile Polycarbonate Sheets Technical Data, and Sample																
المورد:	المصنع:															
Manufacturer: SPACE STRUCTURES COMPANY LTD. P.O. BOX 31738, AL KHOBAR, K.S.A. TEL# 013-899-3999 FAX# 013-898-9323	Supplier: SPACE STRUCTURES COMPANY LTD. P.O. BOX 31738, AL KHOBAR, K.S.A. TEL# 013-899-3999 FAX# 013-898-9323															
Site Manager: Ayham Bshara	مدير الموقع: أيهم بشارة															
Engineer Comments:	ملاحظات المهندس:															
<p>نوصي بإعتقاد (space fram) حسب المواصفات الفنية للمباني مستجدة قيادة اللواد ومساحه الكمائت وحين الخدمات عند (2) 1- أن يكون الهيكل الإنشائي مرجلقتن وتقدم عينة لون space frame مع زجاج لكسان بالإضافة الى عينة (Mod) (لون لكسان ابيض) 2- تقديم شهادة خبرة لا تقل عن 5 سنوات 3- وإختبار تعريف لجر 4- تقديم مخطط تفصيلي لكل من المباني موضع جهما الالهاد وإشارة (space fram)</p>																
مرفوض D	يعاد التقديم بعد تصحيح الملاحظات C	يعتمد تصحح الملاحظات B	يعتمد A													
مدير عام المشاريع المهندس / منصور بن محمد القحطاني		مدير المشروع:														





# KING FAHD MILITARY MEDICAL COMPLEX

PROJECT TITLE : Construction of Main Gate.  
 CONTRACT No. :  
 CONTRACTOR : EDFO Contracting Est.

## SUBMITTAL FORM

Date : 21/9/2014  
 Attention : Engr. Abdul Rehman Al Theeb.  
Project Manager.

Transmittal No. : \_\_\_\_\_

### TYPE OF SUBMITTAL

- |   |   |
|---|---|
| <input type="checkbox"/> Weekly Report                            | <input type="checkbox"/> Monthly Report                 |
| <input type="checkbox"/> Vendor's/ Subcontractor Approval Request | <input type="checkbox"/> Design Calculation             |
| <input type="checkbox"/> Test Report                              | <input type="checkbox"/> Designed Drawing               |
| <input type="checkbox"/> Technical Submittal                      | <input type="checkbox"/> Shop Drawing                   |
| <input type="checkbox"/> Others (specify) (Mechanical)            | <input checked="" type="checkbox"/> Documents Submittal |

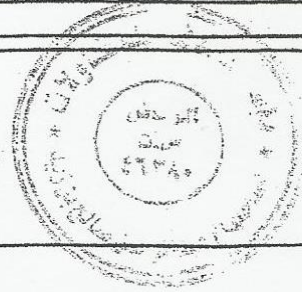
### REQUESTED ACTION

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Approval, please reply | <input type="checkbox"/> For information, no response required |
| <input type="checkbox"/> Review and advise                 | <input type="checkbox"/> Others _____                          |

Qty.	Doc./Drawing No.	Rev.	Title
1	Selection sheet of Jotun Painting for the Canopy	1	JOTUN PAINT

Submitted by: Technical Support

MAJID RAFOU



### REVIEW / COMMENTS

1154 (check card)  
RAL 1015 Hettlerben

### REVIEWED AND COMMENTED BY:

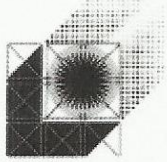
NAME : \_\_\_\_\_  
 TITLE : \_\_\_\_\_  
 SIGNATURE : [Signature]  
 DATE : 22-9-14

### APPROVAL STATUS :

- A  Approved, work may proceed  
 B  Approved w/ comments, work may proceed  
 C  Not approved, rework and re-submit



ZUHAIR FAYEZ PARTNERSHIP



وزارة الداخلية  
مركز المشروعات التطويرية

الخضري  
AL-KHODARI

شركة أبناء عبدالعزيز المحسن اخضري  
ABDULLAH A.M. AL-KHODARI SONS CO.

**REQUEST FOR MATERIAL INSPECTION (MIR)**

**PROJECT NAME:** Training Center Facilities of Security Task Force Eastern Region **Building No. B-25-1 (Field Classroom)**

<b>DISCIPLINE:</b>	ARCH.	CIVIL	MECH.	HVAC	ELECT.	STEEL STRUCTURE	SURVEY
--------------------	-------	-------	-------	------	--------	-----------------	--------

REF NO. STF-MIR-STB-B-25-1-001 **Date Received** 02/02/2014 **Date Returned**

SUBJECT MATERIAL REQUESTED FOR INSPECTION		LOCATION		Quantity
Steel Structure (Space Frame Members Nos. 1545), (Purlin Nos. 232), (Purlin Stool Nos. 225), (Support Shaft Nos. 09), (Support Shaft Nos. 09).		Floor No.:	Field Classroom	
Project ID : 12 - 057 - 2C		PART :	B-25-1	
Space Structure Company Ltd. (Sub-Contractor)		Between Axis No.	As per Attached	Accumulative:
Date of Inspection:	02/02/2014			
Time of Inspection:	02:00 PM			

**CONSULTANT REMARKS**

ANY DEFECT DISCOVER DURING INSTALLATION SHOULD BE RESPONSIBLE BY CONTRACTOR, NOTE CONTRACTOR TO FOLLOW ACCORDING TO REQ'D SPECS & APPROVED STOP WORKS

**INSPECTION RESULTS**

Code	Status	Date	Signature
A	Material is accepted	02/02/14	[Signature]
B	Revise & Submit: Work may be accepted subject to incorporation of changes indicated.		
C	Work not accepted. Rework, adjust, and, resubmit.		
D	Not ready. Resubmit when ready.		

**CONTRACTOR**

This review does not relieve the contractor of his Responsibility under the terms of the contract nor Authorized additional compensation.

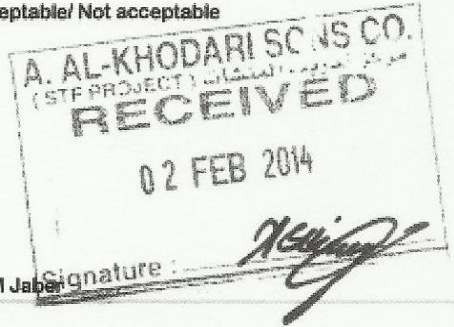
We hereby submit/ resubmit for inspection of above subject works and confirm herewith that above works are completed and ready for inspection as stated above all in accordance with the specification, drawings, and consultant Instruction. Contractor to complete the information below.

Name: Eng. Essam Abdhalim  
Position: Project Manager  
Signature: [Signature]  
Date:



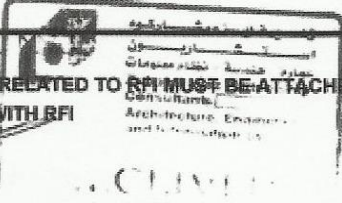
**CONSULTANT**

Above subject works have been visually inspected by the Consultant and found acceptable/ Not acceptable as per the code given above.



Name: Eng. Mazen.M Jaber  
Position: Project Manager  
Signature: [Signature]  
Date: 2/2/2014

- CC: CLIENT
1. DETAILED QUANTITY SURVEY SHEET RELATED TO RFI MUST BE ATTACHED
  2. CHECK LIST SHOULD BE ATTACHED WITH RFI



AG-700





Date: 17<sup>th</sup> November, 15

## TO WHOM IT MAY CONCERN

This letter is issued **M/s. Space Structure Company** for the successful completion of the Design, supply and Installation of the Space frame shade for our project **“Ar-Razi Enhancement of Main Entrance”**.

The project was executed as per the clients requirements complied all Safety and Quality Standards.

We wish to associate with SSC for our future projects.

Rasool Al Jishi

Deputy General Manager





## K. A. KHONAINI AND PARTNER CONT. CO LTD.



P.O. Box. 631, Jubail 31951

Tel # 013-3630001 Fax # 013-3630004

Website : [www.kakpartner.com](http://www.kakpartner.com) email: [info@kakpartner.com](mailto:info@kakpartner.com)

----- 000 -----

### **Certificate of appreciation**

Is hereby awarded to

### **Space Structures Company Ltd.**

P.O. Box 31738 Al-Kobar 31952

Tel. # 013-8993999 Fax # 013-898 8323

Is excellent work in our Project:

**Design and Fabrication of Space Frame Structure of the Gate Houses Sheds in Jubail UNITED Petrochemical Co.**

Contribution and outstanding performance in our project

From year 24-03-2015

Nazeer Ahmed -Projects Manager

Samir A. Eid – General Manager





## DOCUMENT TRANSMITTAL

<b>PROJECT</b>	: PCQ-2 Project	<b>JOB NO.</b>	: E12039
<b>TO</b>	: CNCEC-IK Site Office Fang Pan/ Project Manager	<b>DATE</b>	: Dec. 21, 2014.
<b>FROM</b>	: PCQ-2 PMT – IK Site Office Mohammed D. Al-Khathami, Project Manager	<b>O/REF.NO.</b>	: T-PCI-CCI-1484

**ISSUED AS :**

- |  |   |
|--|---|
| <input type="checkbox"/> Approved                          | <input type="checkbox"/> For Reference                            |
| <input type="checkbox"/> Not Approved/Rejected             | <input type="checkbox"/> Approved for detailed Engineering Design |
| <input checked="" type="checkbox"/> Approved with Comments | <input type="checkbox"/> For Information                          |
| <input type="checkbox"/> Reviewed w/o Comments             | <input type="checkbox"/> Approved for Construction                |
| <input type="checkbox"/> Reviewed with Comments            | <input type="checkbox"/> Resubmit                                 |

<u>Q'TY</u>	<u>DOC.NO</u>	<u>REV.</u>	<u>TYPE</u>	<u>DOC. TITLE</u>
1	T-CCI-PCI-2225 QAP/CNCEC/01/14-15	0		SHOP ITP (ME-SSP, Sunshade)

Signed:

  
**Mohammed D. Al-Khathami,**  
Project Manager



**Date: 08 August 2012****CERTIFICATE OF COMPLETION**

This will certify that the Fabrication and Erection of the Space Frame for our Entrance Gate Project for Bldg, # 479 has been completed to our satisfaction and Standard.

We commend contractor M/S Space Structure Company Ltd. for the speedy and timely completion of the Project.


For and In Behalf of Zahran Oper. & Maint. Co. Ltd

*080812*  
Eng'r. Randolph I. Viedor

Engineering Department





 <b>THEMAR AL-SHARQ</b> <b>GEN. CONT. EST.</b>	<b>MATERIAL SUBMITTAL FORM</b>	Ref: TAS-C1-01-MS
		Rev: 0

PROJECT TITLE:	<b>OUTDOOR BASKETBALL COURT AT RT MIDDLE SCHOOL</b>		
CONTRACT No.:	W.O.#: <b>70154778</b>	LOCATION:	<b>Ras-Tanura</b>
SUBMITTAL No:			
DATE:			

<b>TO:</b>  <b>Mr. Ahmed Al-Qahtani</b> <b>Project Engineer</b> <b>NASA CSD</b> <b>Engineering Support Group</b> <b>BLDG. 551, Ras Tanura</b>	<b>FROM:</b>  Faisal M. Al Otaibi General Manager Themar Al Sharq Gen. Cont.Est P.O. Box 70149, Gulf Center, Khobar 31952, Kingdom of Saudi Arabia
---	--

Received by:		Sender Name:	
Signature:		Signature:	
Date:		Date:	


ENCLOSED ITEM:

DOCUMENTS    
 DRAWINGS    
 CATALOG    
 OTHER

SN	VENDOR	MATERIAL DESCRIPTION	No.of Copies	No.of Pages / Sample	Rev. No.	REMARKS
	SPACE STRUCTURES CO. LTD.	SPACE FRAME LAYOUT & SUPPORT LOCATION DRAWING	1			SPACE FRAME LAYOUT & SUPPORT LOCATION AND SECTION DETAILS DRAWING FOR APPROVAL.

NEW SUBMITTAL                     
 RESUBMITTAL

PURPOSE	STATUS
<input checked="" type="checkbox"/> For Approval <input type="checkbox"/> For Information <input type="checkbox"/> For Review and Comments <input type="checkbox"/> For Final Submission	<input type="checkbox"/> Approved to proceed <input type="checkbox"/> Approved to proceed subject to comments <input type="checkbox"/> Rejected to be resubmitted <input type="checkbox"/> Information only

<b>For Saudi Aramco Use Only:</b>  	<b>APPROVED BY</b>	
	NAME:	<i>Abdullah Alkishi</i>
	SIGNATURE:	<i>[Signature]</i>
	DATE:	<i>02/11/15</i>



**List of Completed & On-going Projects for Saudi Aramco by Space Structures Co. Ltd:**

SR. NO	PROJECT NAME	CONTRACTOR	DATE
1	DHAHRAN Gasoline Station	AYED FARAJ AL QAHTANI Est.	2002
2	SHAYBAH Sunshade shelter Main Gate	NESMA & PARTNERS CONT. CO	2004
3	SHAYBAH Sunshade shelter Secondary Gate	NESMA & PARTNERS CONT. CO	2004
4	UDHALIYA Gasoline Station	AYED FARAJ AL QAHTANI Est.	2005
5	YANBU EXPORT Refinery Entrance Gate Sunshade (2 gates)	ABDULRAHMAN M.AL-SHALAWI EST.	2008
6	YASREF - Laboratory Building	ABV-Rock Contracting co.	2010
7	YASREF - Pre- inspection Guard House	ABV-Rock Contracting co.	2010
8	YASREF - Main Guard House	ABV-Rock Contracting co.	2010
9	YASREF - Plant Guard House	ABV-Rock Contracting co.	2010
10	UTHMANYAH - Sea water pumping station	EASTERN TRADING AND CONT. CO.	2011
11	DHAHRAN Gas Station	AYED FARAJ AL QAHTANI Est.	2011
12	YASREF solid handling project SP3-3 (2 gates)	TECHINT Co	2011
13	Nylon 66 Chemical Plant Shade (Three Gate shades)	NESMA & PARTNERS CONT CO	2012

14	Khafji Joint Operations Main Gate	ARAMCO / TEXACO	2013
15	Shade for Gas Storage	ARAMCO / TEXACO	2013
16	Housing Security Gate	ARAMCO / TEXACO	2013
17	Plant Security Gate	ARAMCO / TEXACO	2014
18	Saudi Aramco Total Refinery Project	DAYIM PUNJ LLOYD	2014
19	RABIGH phase 2 petrochemical project GATE 16 A	MULTIWORKS CO. LTD	2014
20	RAS TANURA Gasoline Station	AYED FARAJ AL QAHTANI Est.	2015
21	Entrance Gate For SATORP@JUBAIL (2 gates)	SARMAD AL-JUBAIL CONTRACTING	2018
22	ABQAIQ NEW PIPE LINE PROJECT	ARAB CONTRACTING COMPANY	2018
23	Saudi Aramco Master Gas System Expansion Phase II Project	AL FALAK AL DAWAR GENERAL CONTRACTING	2018
24	FADHILI Bachelor Camp (2 gates)	NESMA & PARTNERS CONT. CO	2019
25	Saudi Aramco King Salman International Complex for Maritime Industries Services	Khonaini International Company	2021
26	Hawiyah Unayzah Gas Reservoir Storage (5 gates)	Saudi Specialize General Contracting Est / Samsung Engineering	2022
27	Housing Project @ Yanbu (3 gates)	Khonaini International	2022
28	Safaniyah Debottleneck Onshore Plant Extension Shades (2 gates)	Amwaj Al-Seef Trading Est.	2022
29	Operation Support Facility @ Mubarraz	NABIL A. ABU NHAYA & PARTNER CO.	2022

## GDMW SPACE FRAME PROJECTS

SR. NO.	PROJECT NAME	ID
1	Deep Sea Medicine Entrance Canopy- Naval Base Riyadh (MODA)	09 054 1B
2	Gate No.2 Shade At King Abdul Aziz Airbase @ Dhahran	10 018 1C
3	SF Extension Project @ AAB, Dahahran	10 018 1C
4	SF Shade For Airbase @ Jeddah	10 068 1A
5	Installation Of Shade Bldg. 479 Daharan Airbase	12 025 1C
6	Entrance Gate Shade @ Riyadh Airbase Al Moaddi Group	12 125 1B
7	Riyadh Airbase Entrance Gate Canopy	12 125 1B
8	King Fahad Military Hospital Entrance Gate Shades - Edfo	13 030 1E
9	National Guard Shades	14 065 2A
10	Border Guard Swimming Pool Shade @ Dammam	14 068 1A
11	Bldg No. 543 – Dhahran Airbase Shade	15 038 1A
12	Dhahran Airbase Had Project, Skylights Konstrux – Samaa Al Hadeetha	15 055
13	Royal Marine @ Jubail Entrance Canopy	15 090 1B



14	Royal Marine Naval Forces, Airbase	16 024 1D
15	Dhahran Airbase, Vip Villa Shade	16 110 1A
16	King Abdul Aziz Airbase Project	17 009 1D
17	Dirab Airbase Project	17 014 1C
18	King Abdul Aziz Naval Base	17 050
19	King Faisal Naval Base @ Jeddah	17 067 1B
20	King Faisal Naval Base At Jeddah, Space Frame Shade	17 067 1B
21	Saudi Arabian National Guard – Jeddah Petrol Station	18 065 1B
22	F-15 Air Warfare Center (Awc) - Dhahran	19 009 1A

6. شهادة الأيزو

ISO Certificate



We Do Not Sell, We Certify!

This Certificate has been awarded to

## Three Dimensional Installations Company Limited (Space Structures Company Limited)

**Head Office:** Post Box: 31738, Olaya Building, Makkah Street Al-khobar  
31952, Kingdom of Saudi Arabia

**Factory Address:** Post Box: 7534, 2<sup>nd</sup> Industrial Area Dammam 34333  
Kingdom of Saudi Arabia

In recognition of the organization's Management System  
which complies with

## ISO 9001:2015 (QMS)

The scope of activities covered by this certificate is defined below

### Design, Fabrication and Installation of Space Frame Structure

#### SYNDICATE OF INTERNATIONAL SYSTEM CERTIFICATIONS

Certificate Number: **SISKSAQ10201817**

Date of Issue of Original Certificate: **20.10.2018**

Date of Issue of latest certificate: **01.11.2021**

Expiry Date: **19.10.2022**

Re-certification Due on: **20.09.2024**

  
Managing Director



**Note:** This certificate is valid only if produced with the  
continuation letter after the surveillance is carried out successfully.

The Organization's documentation and Implementation has been reviewed and found to comply with the relevant standard rules. This certificate of Registration is based on the evaluation of the mentioned scope given above. Organization is responsible for maintaining the responsibilities of the relevant standard rules. Any significant changes in the scope of the certification or standard referred above render this certificate invalid. This is an accredited certificate issued by SIS Certifications Pvt. Ltd. sanctioned for issue by International Accreditation Services, 3060 Saturn Street Suite 100 Brea, California 92821-1732, USA.

Corporate office(SIS):- Unit No. 514, 5th, Floor, Vipul Business Park, Sohna Road, Sector-48,  
Gurgaon-122018, Haryana, India.

International office(SIS):- URB. Santa Ana Cal. German, Scherieber 276, San Isidro, Lima, Peru 15047

Email us :-support@siscertifications.com, info@siscertifications.co.in. Call:- +91-99105 01396, 96430 73391

Web:- <http://www.siscertifications.co.in>, [www.siscertifications.com](http://www.siscertifications.com)

The status of this certificate can be verified on "<http://www.siscertifications.co.in>"



Issue No.: **04**



Management Systems  
Certification Body

MSCB-131



**CONFORMANCE CERTIFICATE**

Saudi Steel Pipe Company (SSP) certifies that the materials/products has been manufactured, inspected and tested in accordance with the requirements of **SSA 1011-H / ASTM A53 G-A SCH40** (Size range: 1/2" ~ 4") specification, and unless otherwise stated, conforms in all respects to the specification.

Issued on 15 November 2016, to M/S. **M.E.SSP** for their reference at SSP-QA Department.

**Certified by:**



**Mosa S. Al-Haddad, PhD.**  
**Senior QA/QC Manager**



---

## 7. قائمة الأعمال المنجزة.

### KSA Projects Reference

## LIST OF COMPLETED PROJECTS

1998		
Project Name	Area (m2)	Location
Al-Suli Girls School	460	Riyadh
1999		
Sheikh Hamad Al-Essa	840	Riyadh
Mitsubishi Car Showroom ( Bahrain )	1260	Bahrain
2000		
Yousif Al-Mandil Factory	800	Dammam
Sheikh Mansour Bin Jumaa(Bin Jumaa Mall)	Decorative	Khobar
2001		
Saudi Steel Pipe Co."SSP"	1860	Dammam
King Abdul Aziz Boys School	980	Dammam
Dhahran Academy (US Consulate)	80	Dhahran
2002		
Al-Hussan School	1400	Hussan
Test Center Building	200	Khobar
Chamber of Commerce	786	Dammam
Mohammed Al-Sheikh	250	Khobar
Jubail Academy	1840	Jubail
2003		
Noor Al-Islam School	700	Dammam
King Faisal University ( Al-Hasa )	3200	Al-Hasa
Abdul Karim Petrol Station	400	Dammam
Rahima International School	900	Ras Tanura
Al-Suheimy Supermarket decorative	150	Khobar
Al-Dhahya School	400	Dammam
King Fahd University International School	600	Khobar
2004		
Civil Services H/Q ( Dammam )	3200	Dammam
Bahrain Causeway Authority ( Entrance Canopy )	480	Khobar
K.F.U.P.M. ( Prince Sultan Lecture Hall )	2400	Dammam
Al-Hussan Swimming Pool	900	Dammam
Orbit School Dammam Space Frame Shade	780	Dammam
Showroom Canopy Gassan Al-Mubarak Consult	Decorative	Khobar
SwimmingPool Shade (Area 3 ) Social insurance	760	Dammam
Najran Cement Plant School Building	600	Najran
Petrol Station for Al-Ghodran Elliptical SF Roof	356	Dammam

2005		
NADEC Dairy farm #5, Hardh International courtyard	3400	Haradh
Long Corridor (Area 1) Social Insurance Center	780	Dammam
HQ. Guard House Najran Cement Plant	460	Najran
Najran Cement Plant Security Building Court	880	Najran
Najran Cement Plant Resturant Entrance Canopy	570	Najran
Northern Area Cement Plant (Arrar) Security Building	880	Arrar
2006		
Interior Yard for Mr.Mohammed Al-Huzaim	400	Dammam
School Shade for ( Hussan School )	840	Al-Hussan
Al-Majdoui HQ. Dammam Gate (Shade No.2)	480	Dammam
Al-Majdou Hq.and Hyundai Complex SF Entrance	960	Dammam
Nadec Dairy Farm #5, Hardh Type (B)F 16-	3260	Riyadh
Sports Hall (Area 2) Social Insurance Center ( Takaful)	2180	Dammam
2007		
School Complex Al-Hasa Interior Shade Building (B)	1860	Al-Hasa
Al-Jabr Fuel Station Al-Hassa (Gasoline Shed )	600	Al-Hasa
Naded Dairy Farm#6,Hardh Roof Cover	4150	Haradh
Social Insurance Center,Dammam(Gift Entrance	decorative	Dammam
Jawatha School Complex Interior Roof Building I & J	2100	Al-Hassa
Jawatha School Complex Interior (L) Shade	1800	Al-Hassa
Jawatha School Complex,Al-Hasa Interior Shade (A &	1800	Al-Hassa
Jawatha School Complex Outdoor Shade (B & C )	1200	Al-Hassa
Sun Shade Shelter,Uthmaniya, Water Supply Station	400	Uthmania
Orbit Girl School, Main Entrance Canopy	680	Dammam
Orbit Girl School, Right Side Entrance Canopy	420	Dammam
Orbit Girl School,Left Entrance Canopy	2160	Dammam
King Fahd University Entrance Shade	800	Khobar
Arab Cement Plant Entrance Shade	250	Jeddah
Northern Area Cement Plant (Arrar) School Building	600	Arrar
King Abdul Aziz Girls School Shade	2600	Tabuk
Orbit Girls School II,Dammam	1260	Dammam
Orbit Boys School,Entrance Canopy	300	Dammam
Nadec Dairy Farm # 5, at Haradh Entrance Gate	4260	Haradh
2008		
VIP Immigration/Customs Shed (Saudi Side)	3150	Bahrain
Al-Jabr Fuel Station Al-Hassa (Diesel Shed )	460	Al-Hassa
Al-Naeem Garden Swimming Pool Al-Hassa	540	Al-Hassa
Jawatha School Complex,Outdoor Shade( C )	680	Al-Hassa
Jawatha School Complex,OUtdoor Shade( J )	1220	Al-Hassa

Jawatha School Complex,Outdoor Shade( I )	940	Al-Hassa
Jawatha School Complex,Outdoor Shade(K )	760	Al-Hassa
Jawatha School Complex, Outdoor Shade ( A )	880	Al-Hassa
Jawatha School Complex, Outdoor Shade ( L )	760	Al-Hassa
Nadec Elite Farm # 6 Gate Shade	400	Haradh
Dairy Processing # 2 Cold Store,Extention, Riyadh	1200	Riyadh
Prince Sultan Kidney Center (Africa)	200	Africa
Nadec Farm Gate # 1, Wadi Al - Dawasir	600	Haradh
Hadeed Multipurpose Hall Entrance Canopy	250	Jubail
Hadeed Multipurpose Hall Main Entrance Shade	360	Jubail
Ghazzalan Power Plant Entrance Canopy (SCECO )	480	Dammam
Petrokemya, Main Entrance Canopy	630	Jubail
Saudi Bahrain Causeway Cargo Shade (Saudi Side)	4240	Khobar
Gate House Canopy Shaybah (ARAMCO )	960	Shaybah
Al-Hussan Academy in Rakkah	800	Rakkah
Al-Yarmuk School Multipurpose Hall Shade	960	Riyadh
National Future Vision School, Hofuf	780	Hofuf
Secondary Gate Shade Khafji Joint Operation	860	Khafji
National Future Vision School,Hofuf	1240	Hofuf
Main Gate Shade Al-Khafji Joint Operation	2680	Khafji
National Future School Boys Stage	1240	Hofuf
<b>2009</b>		
National Future School , Hofuf Area- Boys	2600	Hofuf
Al-Hussan School,Jubail Main Building Shade	1200	Al-Hussan
Al-Hussan School,Jubail Kinder Gartern Shade	800	Al-Hussan
Space Frame Shade for Saudi Steel Pipe Co.Ltd.	2400	Dammam
Space Frame Shade for Space Structure Factory.	1550	Dammam
New Saudi Steel Pipe Co. Car Park Shade Bending	200	Dammam
Saudi Iron and Steel Co. HADEED	600	Dammam
Khafji Joint Operations/Gas Cylinders Shed	400	Khafji
Exhibit Canopy, Riyadh 2- Set	decorative	Riyadh
Modification of Cargo Arrival/Departure ( Area-1)	2100	Bahrain
Modification of Cargo Arrival/Departure ( Area -2)	2100	Bahrain
SADAF MAIN ENTRANCE GATE SPACE FRAME SHADE	640	Dammam
<b>2010</b>		
Main Gate Shade Riyadh Power Plant PP# 10.	900	Riyadh
Passport Office Building -Jubail - Area -1	460	Jubail
Passport Office Building -Jubail- Area -2	600	Jubail
Passport Office Building -Jubail - First Floor - Area-1	300	Jubail
Passport Office Building-Jubail - First Floor - Area -2	450	Jubail



Khafji Area Check Point- Security Gate ( Aramco-	660	Khafji
SF Shade Extn.K. Al Aziz Air Base-Dhahran-Area-1	2100	Dhahran
SF Shade Extn.K. Al Aziz Air Base-Dhahran-Area-2	1900	Dhahran
Shade@ Gate#2 RSAF TSI Dhahran	880	Dhahran
Swimming Pool Psychiatry Hospital Al-jouf	660	Al-Jouf
Swimming Pool Psychiatry Hospital Arar	660	Arrar
Swimming Pool Psychiatry Hospital Gurayyat	660	Guurayyat
Al-Naba Recreation Center/children play area	1400	Bahrain
Psychiatric Addiction Hospital Noisy Activity AL-JOUF	780	Jouf
Psychiatric Addiction Hospital Noisy Activity ARAR	780	Arrar
Psychiatric Addiction Hospital Noisy Activity AL-	780	Arrar
Hadeed Mosque Project @ Jubail	600	Jubail
Deep Sea Medicine center Entrance Canopy	360	Dammam
Deep Sea Medicine center Jubail Int'l courtyard	400	Jubail
Imam Mohammed Bin Saud Univ.Renovation@	2150	Riyadh
United Nations Development Programme-Basrah-	460	Iraq
Zayani Motors Showroom Extension Shade @	1600	Bahrain
<b>2011</b>		
Police Station Cover Shade Qurayyah Power Plant	460	Qurayyah
Main Gate Cover Shade Qurayyah Power Plant	480	Qurayyah
Const of Boy ELEM School Jalmouda Phase # 2	1400	Jalmouda
Al- Rawaf Gas Station II Gasoline Shade II	640	Rawaf
Al- Rawaf Gas StaTION Diesel Shade	640	Rawaf
Extention of Simulator Traning Jeddah AirBase	320	Jeddah
Deep Sea Medicine Center Jubail Entrance	280	Jubail
Security Gate House SunShade Yanbu (Plan Area)	1200	Yanbu
Entrance Shade at Jizan (Area #1)	400	Jizan
Entrance Shade at Jizan (Area #2)	660	Jizan
Entrance Shade at Jizan (Area #3)	840	Jizan
Entrance Shade at Jizan (Area #4)	960	Jizan
Suhaib Bin Sevan School Riyadh Shed	1460	Riyadh
Girl Technical College\Mahallat Sudater	740	Riyadh
School Renovation Project Bin Hofan	400	Riyadh
Saudi Iron and Steel co Hadeed Gate #3	760	Riyadh
Khafji Joint Operation's (ARAMCO & TEXACO)	1800	Khafji
Girl College of Technology Bin Shihoon Makkah	700	Makkah
Private school near Hafr Al-Batin (Area-A)	280	Kuwait
Private school near Hafr Al-Batin (Area-B)	460	Kuwait
British School Jeddah Space Frame Shed	2800	Jeddah
Nafjan Gas Station Space Frame Shed	1200	Nafjan

Enhancement of Service Area (Hadeed)	360	Hadeed
Bin Shihoon Site Jeddah	1460	Jeddah
Khafji Gas Station Old Nuresery (k-10)	680	Khafji
(K-F-U) King Faisal University Al-Hasa PHASE 1	4600	Al-Hasa
China Harbor Entrance Gate 2	400	Dammam
<b>2012</b>		
PSYCHIATRIC DAMMAM HOSPITAL	760	Dammam
SECURITY PLANT GATE SHADE JUBAIL # 1	800	Jubail
SECURITY MAIN GATE KAYAN	740	Kayan
PSYCHIATRIC ADDICTION HOSPITAL DAMMAM (	420	Dammam
PSYCHIATRIC ADDICTION HOSPITAL THERAPY X-Y	380	Dammam
MAIN GATE HOUSE SHADE JUBAIL SOMAC # 1	680	Jubail
MAIN GATE HOUSE SHADE JUBAIL SOMAC # 2	680	Jubail
IMAM MOHD BIN SAUD UNIVERSITY	2340	Riyadh
PSYCHIATRIC ADDICTION HOSPITAL DAMMAM (	460	Dammam
KING FAISAL UNIVERSITY HASA PHASE 2	2140	Al-Hasa
IN STALLATION OF SHED BLDG # 479 DHAHARAN AIR	3260	Dhahran
AFH ENTRANCE CANOPY SHADE AL- KHARJ, RIYADH	1200	Riyadh
RT COMMUNITY GAS STATION RAS TANURA	480	Ras Tanura
MR. GAMMAM MIZHAR AL-HAMRANI ROOF SHADE	900	Jizan
SHADE OF ABAHASAIN	750	Dammam
MOSQUE AT MAHAYEL ASIR ENTRANCE SHED	440	Asir
PUMP STATION SHADE SECURITY TASK FORCE AL-	620	Al-Hasa
GIRLS ELEMENTARY SCHOOL CORT YARD SHADE	1400	Jalmouda
PEIFORCEMENT OF QASSIM POWER PLANT (SCECO)	260	Qassim
TRANING CENTER FACILITIES AL-HASA FIELD	340	Al-Hasa
TRANING CENTER FACILITIES STADIUM AL-HASA	920	Al-Hasa
TRANING CENTER FACILITIES STADIUM AL-HASA	920	Al-hasa
<b>2013</b>		
KING FAISAL UNIVERSITY AL-HASA COURT YARD	3660	Al-Hasa
GIFT TO A CLIENT CAR PARKING	-	Dammam
ABDULLA AL - OTHMAN TOWERS ROOF GARDEN	800	Dhahran
ABDULLA AL - OTHMAN TOWERS WEDDIND HALL	1200	Dhahran
A TO Z GAS STATION AL-KHOBAR SPACE FRAME	680	Khobar
UDHAILIYAH COMMUNITY GAS STATION SPACE	760	Udhailiya
NYLON 6 PCC PROJECT GATE HOUSE SHADE # 1	480	Yanbu
YANBU EXPORT REFINARY PROJECT LAB BUILDING	940	Yanbu
EXHIBIT CANOPY RIYADH " Khalil AL Gean"	decorative	Riyadh
AL - OTHMAN OFFICE TOWER'S OFFICE ENTRANCE	200	Khobar
NYLON 6 PCC PROJECT GATE HOUSE SHADE # 2	780	Yanbu

NYLON 6 PCC GATEHOUSE SHADE #3	4600	Yanbu
AL - TAIF MALL SHADE AREA 1	2800	Taif
AL - HUSAN SCHOOL KING FAHD PARK NORTH YARD	680	Dammam
AL OTHMKN OFFICE ENTRANCE TOWERS	200	Khobar
AL - TAIF MALL SHADE AREA 2	3400	Taif
KINB FAHD HOSPITAL , DAMMAM UNIVERSITY	200	Dammam
YANBU EXPORT REFINERY PRE INSPECTION GARD	460	Yanbu
AL-HUSAN SCHOOL KING FAHD PARK (SOUTH YARD)	380	Al-Husan
Space Structure Factory , Space Frame Car Park	1250	Dammam
YANBY EXPORT REFINERY PROJECT MAIN GARD	640	Yanbu
SAFCO ENTRNCE SHADE,JUBAIL ROOF COVER	900	Jubail
SAHARA ENTRANCE JUBIL	960	Jubail
ALKHOBAR ACADEMY SCHOOL- SHADE(AREA1)AL-	640	Khobar
ALKHOBAR ACADEMY(AREA#3) AL-RAKAH " C"	780	Khobar
ALKHOBAR ACASEMY SHADE(AREA #2) AI RAKEH "B"	800	Khobar
JAMILAH BINT THABIT SCHOOL SHADE AT AL-RAFEIA	800	Al-Rafeia
GIRL'S SECONDARY SCHOOL (627C20) COURTYARD "	2200	Jalamoud
GIRL'S INTERMEDIATE SCHOOL (627,C18) ROYAL	1400	Jalmouda
YANBU EXPORT REFINERY PROJECT ENTANCE	1200	Yanbu
MUNICIPALITY OF BAHA ENTRANCE GATE (AQIQ	480	Aqiq
JUBAIL EXPORT REFINERY (SATORP) OPERATION	980	Jubail
Riyadh Airbase Entrance Gate Canopy	400	Riyadh
SADARA ( RASTANURA FUEL STATION)	600	Ras Tanura
<b>2014</b>		
SADARA (Cafeteria 2)	480	Ras Tanura
SADARA (Cafeteria 1)	600	Ras Tanura
Boys Secomdary School Jalmouda	1400	Jalmouda
KING FAISAL UNIVERSITY AL-HASA Area 3	3150	Al-Hasa
ABHA NATIONAL SCHOOL AREA A	800	Abha
ABHA NATIONAL SCHOOL AREA B	760	Abha
ABHA NATIONAL SCHOOL AREA C	480	Abha
ABHA NATIONAL SCHOOL AREA D	680	Abha
RABIGH II entrance- gate 16	880	Rabigh
FARABI PETROCHEMICAL ENTRANCE GATE	960	Jubail
MODIFICATION OF GUARD HOUSE. PROJECT SHARQ	300	Jubail
SIPCHEM, GATE # 2	480	Jubail
IBN ZAHR-SHED ENTRANCE GATE	860	Ibn Zahr
AL-MANJOF Entertainment building	2200	Dammam
MAIN GATE FOR SHAROOURAH OPENS CYCLE POWER	400	Sharoura
KING FAHAD MILITARY MEDICAL COMPLEX	200	Dammam

Entrance Gate shade of Police Academy	600	Dammam
SABIC sab tank	450	Sabic
MA'ADEN MINE & REFINERY PROJECT	1500	Ras Alkhair
UNITED PETROCHEMICAL STORAGE	800	Dammam
NADEC INTRANCE GATE	2800	Yanbu
ALQIMMA SCHOOL PROJECT @ RASTANORA	460	Ras Tanura
<b>2015</b>		
AVIATION NATIONAL GUARD (SANG) PROJECT	3000	Dirab
BORDERS GUARDS (SWIMMING POOL SHADE)	1000	Dammam
ARAMCO SATORP ENTRANCE GATE @ JUBAIL	2400	Jubail
MECCA MUNICIPALITY PROJECT	2800	Makkah
SPECIAL TASK FORCES BASE- MOI @ DAMMAM	800	Dammam
@ QATIF CHARITY SOCIETY PLAYGROUND SHADE	1200	Qatif
PETROKEMYA ABS PROJECT	510	Jubail
@ ARAMCO NEW PIPES YARD GATE PROJECT	740	Abqaiq
KTA 140 PETROKEMYA ABS PROJECT	510	Jubail
MOF COMMERCIAL BUILDING @ KHAFJI	800	Khafji
SABIC PCQ-2 PROJECT	2200	Yanbu
HURAYMULA GATE @ RIYADH AREA	460	Riyadh
<b>2016</b>		
Hospitals entrance canopies for MOH @ Dammam &	770	Dammam
KING FAHAD AIRPORT GATE @ DAMMAM	610	Dammam
GIRLS HIGH INSTITUTE @ ALTAIEF	540	Taif
ROYAL MARINE FORCES PROJECT - MOF @ JUBAIL	380	Jubail
YANBU university college-men's campus @ YANBU	580	Yanbu
DHAHRAN AIR BASE HAD PROJECT	1200	Dhahran
BASKETBALL COURT AT RT MIDDLE SCHOOL	865	Rastanura
ALHUSSAN JUBAIL BOYS SCOOOL	760	Jubail
KAP – 2B (MOI) @ HAIL & TABUK	800	Tabuk
<b>2017</b>		
MOI KAP 2A El-seif	2800	Jizan
MOI KAP 2E2 BEC	800	Baha
MOI KAP 2C1 RTCC	800	Jizan
Yanpet Main Gate Yanbu	1600	Yanbu
Tumair Municipality Multi purpose Hall Tumair	540	Riyadh
King Fahd Life Park	390	Dammam
King Abdul Aziz Airbase shade Dharhan	660	Dhahran
King Fahd International Airport	620	Dammam
Al-Jouf University Al-Jouf	460	Al Jouf
<b>2018</b>		



Thales Yanbu Crystal Sunshade Area A & B	780	Yanbu
Khorayef Sunshade Project Yanbu	530	Yanbu
Al- Hussan Swimming pool shade	770	Hussan
Aramco site Master Gas Booster Hofuf	980	Hofuf
Girls College @ Khamis Mashyt	830	Khamis Mushait
SOLA Truck Shade Jubail	960	Jubail
Quraya Power Plant Shade	700	Qurrayah
Maaden Sunshade @ RAS-AL-KHAIR	1300	Ras Alkhair
Dirab Air Base Area A to E	1210	Dirab
King Fahad Causeway Security Gate Bahrain	860	Bahrain
<b>2019</b>		
Fadhili Bachelor Camp shade	800	Fadhili
King Faisial Navel Base Jeddah	360	Jeddah
Farabi Downstream Company, Sunshade Gatehouse-	665	Jubail
Moi Kap2c1 Field Classroom (Jazan & Al-Baha)	480	Jazan
Cristal Turnstile Shade	250	Yanbu
Moi Kap2c1 Stadium (Jazan & Al-Baha)	680	Jazan/Baha
Petrol Station Sang Project @ Jeddah	400	Jeddah
Farabi Gate 4 & 5	960	Jubail
Rc School Contract 628 C34 (23 School Shades)	29,350	Jalmouda
Khafji Southarea Checkpoint	550	Khafji
<b>2020</b>		
SABTANK ADMIN BUILDING PROJECT	250	Jubail
MAIN GATE SUNSHADE ABQAIQ CENTRAL 230/115	840	Abqaiq
STC-J-UPP X ACP PROJECT @ JUBAIL	380	Jubail
CANOPY SHADES @ NAJLAN UNIVERSITY	645	Najran
GATEHOUSE SHADE @ RAS ALKHAIR	420	Ras Alkhair
MAIN GATE SHADE FOR BCI @ JUBAIL	380	Jubail
SAUDI ARAMCO KING SALMAN INTERNATIONAL	550	Ras Alkhair
INDEPENDENT WATER PROJECT MAIN GATE	600	Rabigh
NAHDA SCHOOL (NOOR AL-ISLAM)	1260	Dammam
KHOBAR X PROJECT	900	Khobar
SEC- HARADH BSP PROJECT	480	Haradh
DHAHRAN SUNSHADE	420	Dhahran
<b>2021</b>		
SCHOOLS IN JALMOUDA PHASE 6 CONTRACT #627	3600	Jalmouda
SCHOOLS IN JALMOUDA & MUTRAFIAH CONTRACT	3600	Jalmouda/
SECURITY GATE SHADE @ AL-JOUF POWERPLANT	520	Al Jouf
SECURITY PROJECT FOR YANBU COMMERCIAL PORT	1300	Yanbu
SPECIAL SECURITY FORCES CAMP IN SALBOKH	430	Salbokh

SOUTH BORDER INFRASTRUCTURE PROJECT	650	Asir
HALLIBURTON SPARK FACILITY PROJECT	600	Al-Hasa
MADAC PLAYGROUND SHADES IN MEDINA	875	Madina
AUDITORIUM SHADE @ JIZAN	720	Jizan

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## 8. شركاؤنا بالنجاح.

## Partners in Success

## شركاؤنا بالنجاح:

- 1- شركة أرامكو السعودية الظهران
- 2- شركة أرامكو مركز عمليات الخفجي الخفجي
- 3- شركة سابك الجبيل الصناعية
- 4- الهيئة الملكية للجبيل وينبع الجبيل الصناعية
- 5- مؤسسة أزميل للمقاولات العامة الجبيل الصناعية
- 6- شركة منارة الجبيل للمقاولات العامة المحدودة الجبيل الصناعية
- 7- شركة الكفاح للمقاولات العامة الدمام
- 8- مؤسسة الرمال للتجارة و المقاولات الدمام
- 9- شركة نسما و شركائهم الخبر
- 10- شركة إعمار المشاريع الخبر
- 11- شركة التطوير و الإستثمار العقاري المحدودة الخبر
- 12- مكتب الرؤيا للتصاميم العمرارية الخبر
- 13- عبد الرحمن النعيم مهندسون إستشاريون الخبر
- 14- شركة خضير للمقاولات الخبر
- 15- شركة زهران للصيانة و المقاولات الدمام
- 16- مؤسسة جزيرة الخليج العالمية للمقاولات الخبر
- 17- مؤسسة البداية للمقاولات الإحساء
- 18- بن شيهون للمقاولات جدة
- 19- شركة المعدات الميكانيكية البحرين
- 20- شركة شيد للمقاولات الدمام
- 21- شركة بمكو (بن لادن للمشاريع) الرياض
- 22- ناصر الملحم مهندسون إستشاريون الإحساء
- 23- مجموعة العجلان للتجارة و المقاولات الرياض
- 24- مصنع تقنية القنب الرياض
- 25- مجموعة شركات الحصان الدمام
- 26- مؤسسة رموز الإبداع للمقاولات الخبر
- 27- مكتب الدكتور عبدالله يحيى بخاري للإستشارات الهندسية جدة
- 28- الشركة الشرقية للتجارة و المقاولات الخبر
- 29- شركة النبا للمقاولات الجبيل الصناعية
- 30- شركة رضايات المحدودة الجبيل الصناعية
- 31- شركة اللطيفية للتجارة و المقاولات الرياض



## 9. الأوراق المالية للشركة.

# Company Financial statement



التاريخ : 1435/02/29 هـ

الموافق : 2014/01/02 م

لمن يهمه الأمر

تعريف برقم أيبان

رقم الفرع : 0324

اسم الفرع : الصناعات التانيه

اسم العميل : شركة المنشآت ثلاثية الأبعاد المحدودة

رقم الهوية : 3277 ص

رقم الحساب : 0108055444550018

رقم إيبان : SA3230400108055444550018

اسم الموظف :

الفرع : الصناعات التانيه - 0324

التاريخ : 1435/02/29 هـ

الختم و التوقيع :

ر ب ص ح ه الأ ص ل و م ط ا ب ك ت ه ل ل م م  
اسم :  
توقيع :  
تم الإطلاع على الأصل ومطابقته للصورة  
الفرع/البنك :  
الإسم :  
التوقيع :

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## 10. موظفين الشركة

## Key employees resume

## المدرء التنفيذين للشركة:

<b>Chairman of the Board</b>	رئيس مجلس الإدارة
<b>Dr. Mustafa Al-Mandil</b>	الدكتور: مصطفى بن يوسف المنديل
Ph.D. In Structural Engineering Duke University, USA(1981)	دكتوراة بالهندسة الإنشائية جامعة نوك, الولايات المتحدة الأمريكية(1981)

<b>Director of Engineering Management</b>	مدير الإدارة الهندسية
<b>Dr. Yasin N. Ziraba</b>	الدكتور: ياسين زيرابا
Ph.D. In Structural Engineering K.F.U.P.M (1990)	دكتوراة بالهندسة الإنشائية جامعة الملك فهد للبترول و المعادن(1990)

<b>Head Of Engineering Department</b>	مدير القسم الهندسي
<b>Sayed Mohiuddin</b>	سيد محي الدين
B.SC. In Structural Engineering K.F.U.P.M	بكالوريوس في الهندسة الإنشائية جامعة الملك فهد للبترول و المعادن

<b>Business Development Manager</b>	مدير تطوير الأعمال
<b>Loai S.AL-MOQAYAD</b>	لؤي سهيل المقيد
B.SC. In Civil Engineering October 6 University	بكالوريوس في الهندسة المدنية جامعة 6 أكتوبر

<b>Projects And Contracts Manager</b>	مدير المشاريع والعقود
<b>Sami M. Abdulla</b>	سامي محمد عبدالله
B.SC. In Civil Engineering University of Khartoum	بكالوريوس في الهندسة المدنية جامعة الخرطوم

<b>Factory Manager</b>	مدير المصنع
<b>Aaed Z .TAYEH</b>	عائد زياد تايه
B.SC. In Industrial Engineering ISLAMIC University	بكالوريوس في الهندسة الصناعية الجامعة الإسلامية

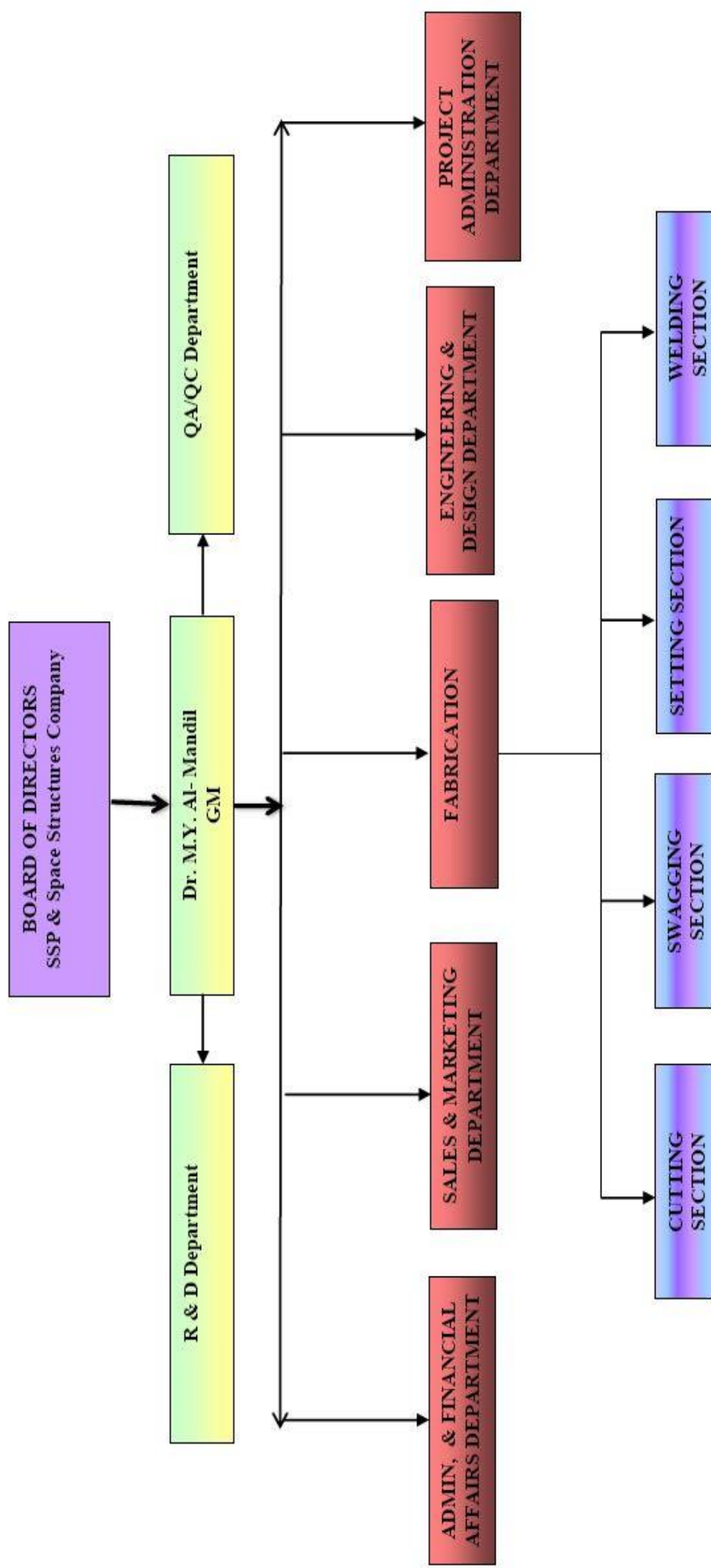
<b>QA/QC Manager</b>	مدير ضمان الجودة والمواصفات
<b>Manjunath KV</b>	مانجوناث
B.SC. In Industrial Engineering University of KUVEMPU	بكالوريوس في الهندسة الميكانيكية جامعة KUVEMPU

<b>Factory Supervisor</b>	مشرف المصنع
<b>Bobby S. Albino</b>	بوبي البينو





# ORGANIZATION CHART FOR SPACE STRUCTURES CO. LTD



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# 11. موقع الشركة والعناوين.

## Contacts & addresses

## عناوين الشركة:

*مقر الشركة الرئيسي:*

مجمع العليا, مكتب رقم ( 105 ) , شارع مكة المكرمة , العقربية , الخبر -

المملكة العربية السعودية.

ص.ب. 31738 الخبر 31952 المملكة العربية السعودية

تليفون: 0138993999 – 0138988313

فاكس رقم : 0138988323

*المصنع:*

المنطقة الصناعية الثانية , الدمام المملكة العربية السعودية

تليفون: 0138082199

## Addresses & Contacts:

### *Administration Office:*

Olaya Center, Office No. 105, Makkah `

street, Khobar, Kingdom of Saudi Arabia

Tel: 013 8993999, 013 8988313 , Fax: 013 8988323

### *Factory:*

Second Industrial Area, Dammam, Kingdom of

Saudi Arabia

Tel: 0138082199

## 12. كاتالوج المنتج والصور.

## Product Catalogue & Images



ME - SSP



شركة المنشآت الفضائية المحدودة

SPACE STRUCTURES Company Ltd.



Saudi-Bahrain Causeway



Nafec-Harath



Public Administration Institute  
Dammam



Aramco Gas Station



Tamimi Safeway

Al-Bahar  
11425400000

ص.ب. 31738  
الخبر 31952  
السعودية  
Khabar 31952  
Saudi Arabia

هاتف 03 899 3999  
03 898 8313

فاكس 03 898 8323

info@yme.com.sa

www.spacestructures.com.sa

THE FUTURE BUILDERS...

# Contents

■	ME-SSP <sup>®</sup> Space Frame System .....	4 - 5
■	Tamimi Supermarket Entrance Canopy, Dammam .....	6 - 7
■	Shades Covering Gas Stations .....	8 - 9
■	Nadec Farm Security Gate at Haradh .....	10-11
■	KFUPM School .....	12-13
■	Imposing Entrance Canopies .....	14-15
■	Bahrain Causeway Gate House .....	16-17
■	Accessories and Attachments .....	18-19
■	School Shades in General .....	20-21
■	Decorative and Special Structures .....	22-23
■	Space Frame Structures over Security Gates .....	24-25
■	Sketches of Standard Attachments and Accessories .....	26-29
■	Al-Khafji Joint Operation (Aramco and Texaco) .....	30
■	SSC Services .....	Insert
■	Technical Specification .....	Insert



## Administration & Sales Office:

Olaya Center, Office No.105  
Makkah St. ,Arabiah, Khobar  
P.O. Box 31738, Khobar 31952  
S a u d i   A r a b i a

Tel: (03) 899 3999  
(03) 898 8313  
Fax: (03) 898 8323  
Email: [info@yme.com.sa](mailto:info@yme.com.sa)  
[www.spacestructures.com.sa](http://www.spacestructures.com.sa)

## Factory:

Second Industrial Area,  
Dammam Saudi Arabia

Tel: (03) 812 3044  
Fax: (03) 812 3045



# ME-SSP® Space Frame System

The Space Structures Company (SSC) Ltd is pleased to present the **ME-SSP®** Space Frame System, a result of an innovative process of our Research and Development efforts for the past decade.

The **ME-SSP®** Space Frame System is based on Multi-hinge concept (originally conceived in USA and marketed as Pearce Systems International Inc.), and offers a structurally efficient joint system that could be designed to any degree of moment and axial force capacity.

The major developments achieved are twofold, one being the incorporation of a diametric transition zone to facilitate a lesser eccentric placement of connecting bolts. This is constructed by swagging of pipe ends to merge onto inserted solid metallic rods.

The other innovation was a fabrication format where the three-dimensional geometrical form is mapped onto a two-dimensional cylindrical coordinate system. This has greatly simplified the fabrication of complex geometric forms, thus rendering a cost effective **ME-SSP®** Space Frame System.

This presentation highlights the attributes of the **ME-SSP®** Space Frame System. The structures presented cover a wide range including Entrance Canopies, Roofs of all types providing shades over Security Gates, Swimming Pools, Building Courtyards and School Compounds.

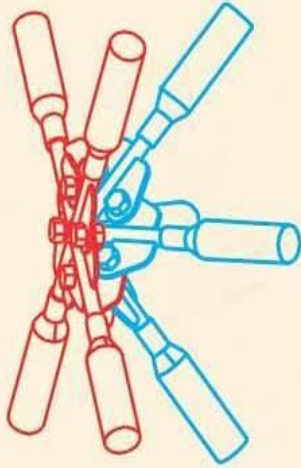
A modern trend is for architects to create buildings and public spaces that are novel and inviting, by formulating designs that exhibit far more curvature than has been seen before.

The space frame structures allow any architect to affordably add a statement to the structures he designs. This is exemplified in frequent use of space frame structures to provide the theme at many entertainment, recreational and commercial facilities.

One of the essential advantages of space frame structural systems is their relative lightweight, especially for large span roofs where the self weight constitute a major component of the total load. The lightness of the space frame members contribute to the rationality and economy of the structural system.

Production and construction techniques of spaceframes are industrialised to a greater extent than in any other conventional structural system. The linear elements are prefabricated so that the jointing work at the site is relatively simple.

The lightweight of the individual elements contributes to significant reductions in the cost of transport and erection. In addition, space frame structures are sufficiently stiff in spite of their lightness due to the inherent three dimensional character and to the full participation of the constituent elements.



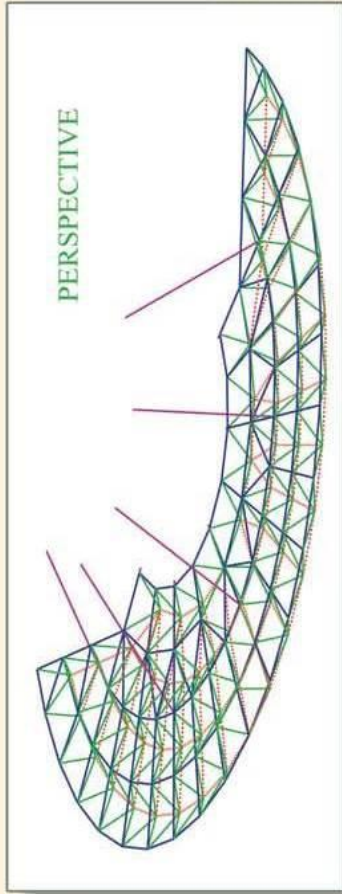
Flange 5



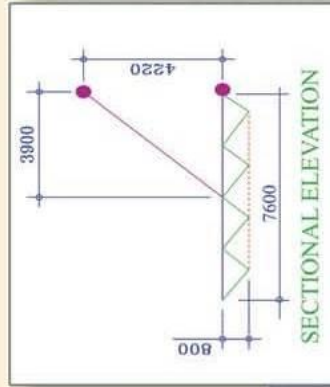


# Tamimi Supermarket

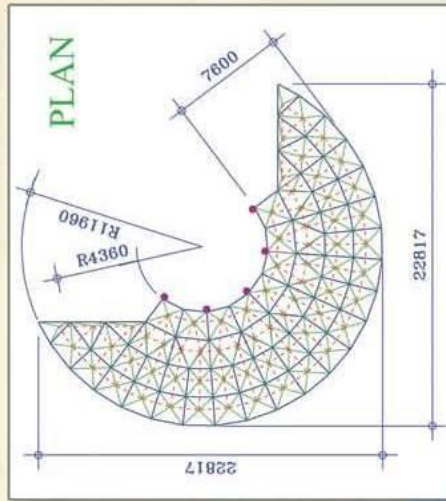
# Entrance Canopy, Dammam



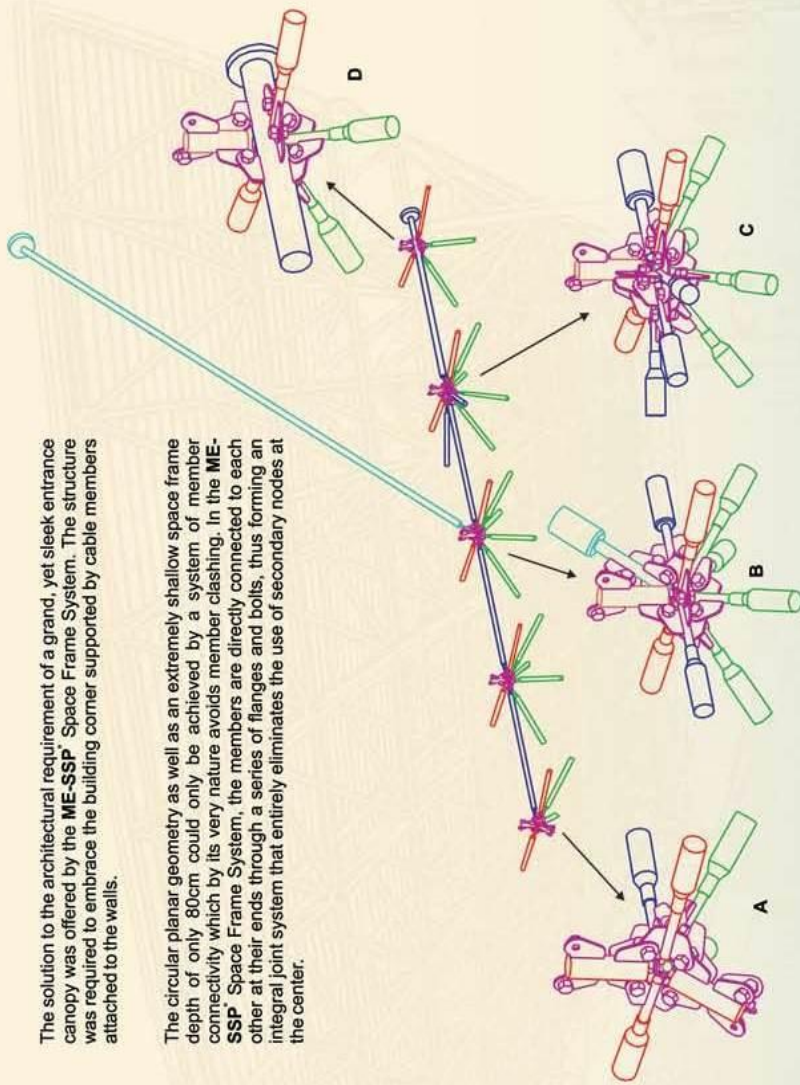
PERSPECTIVE



SECTIONAL ELEVATION



PLAN



The solution to the architectural requirement of a grand, yet sleek entrance canopy was offered by the **ME-SSP** Space Frame System. The structure was required to embrace the building corner supported by cable members attached to the walls.

The circular planar geometry as well as an extremely shallow space frame depth of only 80cm could only be achieved by a system of member connectivity which by its very nature avoids member clashing. In the **ME-SSP** Space Frame System, the members are directly connected to each other at their ends through a series of flanges and bolts, thus forming an integral joint system that entirely eliminates the use of secondary nodes at the center.

**A)** The apparent concentration of mass at the joints of the **ME-SSP** Space Frame System gives a pleasing aesthetic appearance. The numerous bolts available at the joint also allows easy connection of accessories and cladding systems.

**B)** The member connectivity criteria can be defined to accommodate any number of members incident at any specified angle. This flexibility in design means any conceivable geometric form can be accommodated.

**C)** The multiple load path allows the diffusion and distribution of forces through shearing of bolts, which can be properly designed for by selection of connecting bolts sizes and flange thicknesses.

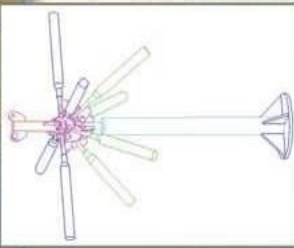
**D)** The ability of the **ME-SSP** Space Frame System that allows any member to traverse continuously through a joint, means that the member can be designed to resist moment and shear forces.

For Tamimi Entrance Canopy Structure, the result was the merging of the horizontal support shaft to the top chord member, thus permitting anchoring of the structure onto the vertical wall.

FLANGE 6



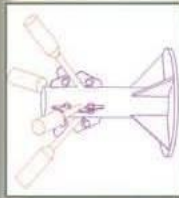
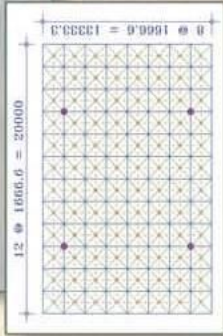
# Shades Covering Gas Stations



The short steel columns have been designed to support the Space Frame Shade on its top chord, and proportioned so as to allow the larger size concrete columns to be partially embedded into the space frame. The result was an aesthetically pleasing structural envelope covering this AbdulAziz Al-Abdul Karim Gas Station in Dammam.

The flexibility offered in the member connectivity, by the ME-SSP® Space Frame System removed the need to merge the support shaft with the purlin stool as is the normal practice. Instead the support shaft is ended with a cap and a 30-mm steel rod, with the purlin stool connected to the top chord members. The resulting uniformity achieved was thus characteristic of Space Frame Structures.

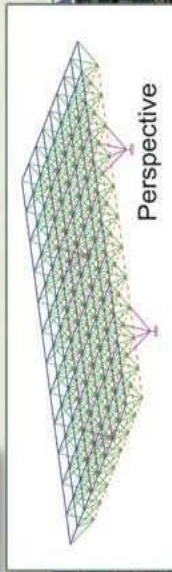
The purlin stools are designed to achieve a slope in the cladding to allow drainage. The purlins whose ends are bolted onto the purlin stools allow attachment of accessories, particularly the facias, giving an architecturally accepted finish to the Space Frame Shade.



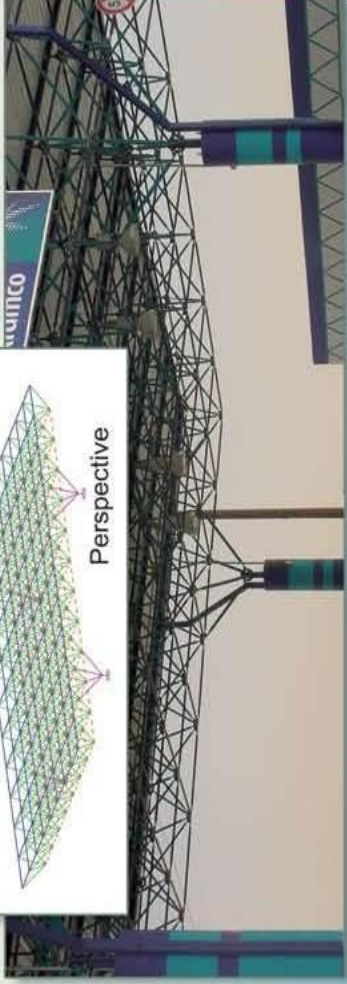
The ME-SSP® Space Frame System was the ideal solution for a light structural covering over this Saudi Aramco Gas Station.

The shade has been supported on four short steel columns welded onto base plates which in turn are anchored into reinforced concrete columns. Four drop-down diagonals frame into the top of the short support columns, thus offering an efficient support system to the structure.

The location of the supports has been optimized to not only provide sufficient space for the service bays, but also facilitate a cantilevering effect, the result of which was the reduction in the total weight of the structure, and therefore the cost.

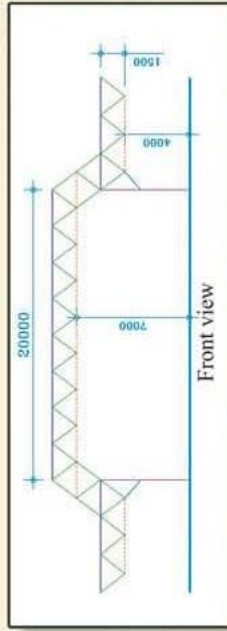
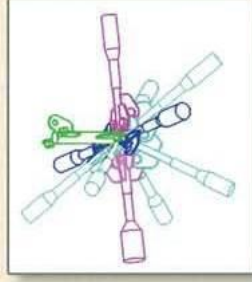
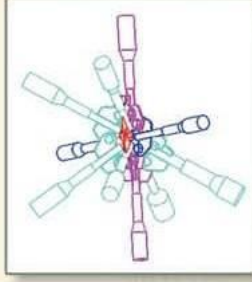
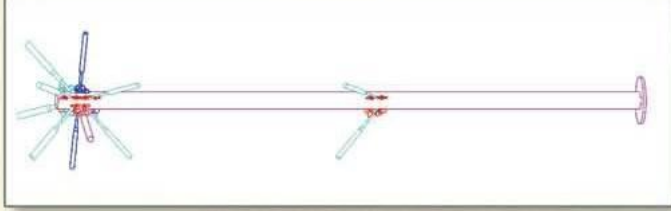
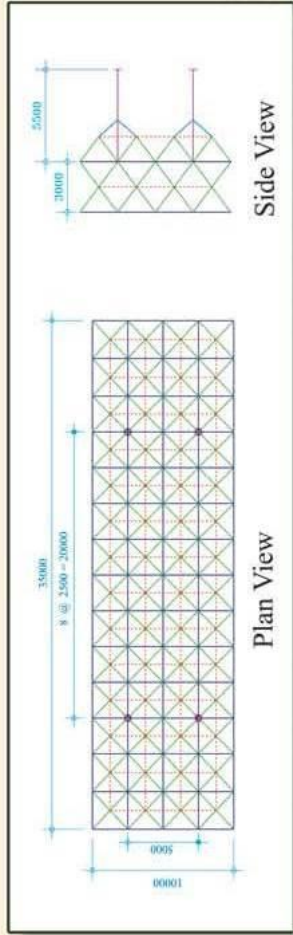


Perspective





# Entrance Gate Shade of Nadek Farm at Haradh



The shade over the Entrance Gate House of the Nadek Farm at Haradh was required to cover a total area of 35m x 10m on four support steel columns.

In the geometric design of the structure, and noting the advantageous use of cantilevering as a way of allowing the structures to span further, the innovative incorporation of a multi-layered format, resulted into an optimized structural form that met the client's expectations.

The **ME-SSP**® Space Frame System achieved the complex member connectivity and offered that aesthetic appeal so essential to this structure.

The 'wing-form' cantilevering arms do present a strong architectural statement and a welcoming beacon to this farm in the middle of the desert.

A noteworthy originality in design, the **ME-SSP**® Space Frame Support Column System was able to be simple, inexpensive and design wise integrated as a design element or member directly within the scope of the **ME-SSP**® Space Frame System interactive design.

Given that the support system is designed in a manner of the space frame members, an overall equilibrium is desirably ensured right up to lower load bearing elements in a consistent manner.

The multi-hinge jointing system that constitutes the **ME-SSP**® Space Frame System offers the outstanding advantage of a good balance between forces in the members and the capacity of the joints to deliver them right up to the supporting elements.

This leads to considerable savings of materials and hence reduced cost and self-weight of the space frame.



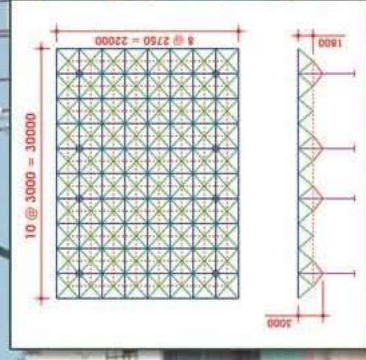
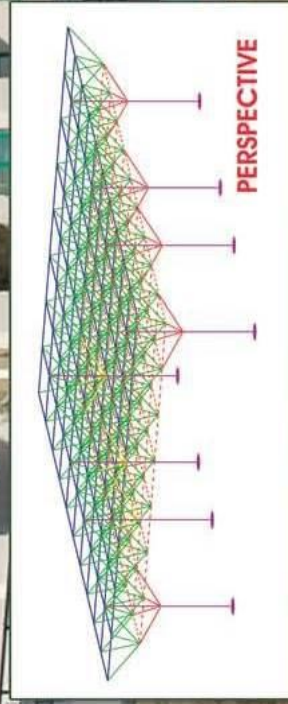


# KFUPM School

The ME-SSP® Space Frame System shade over the courtyard of this Boys Elementary School owned by the King Fahd University of Petroleum and Minerals (KFUPM), offered an ideal and economical solution for a playground.

A roof 30m x 22m consists of a double layer space frame supported on eight columns on the top chord and provided with drop down diagonals as additional bracing.

The design provided the optimum answer to the demand for appreciable savings in the use of material and management and hence superior economy which enabled the whole project to legendarily fall within the client budgetary constraints. It is very hard to envisage a covering system that can compete with the ME-SSP® solution with regard to cost and longevity.





# Imposing Entrance

# Canopies



The placement of a unique "wave" form of uncovered Space Frame in the front and sides of this building, not only added tremendously to its beauty, but resulted into an architecturally acceptable aesthetic appeal that placed this site into a landmark in the city of Al-Khobar.

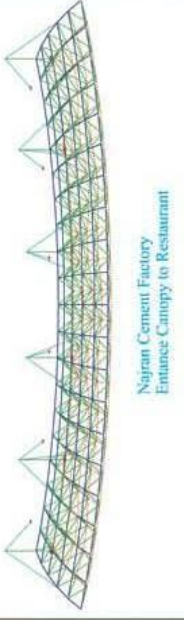
The ME-SSP® Space Frame System has been able to economically follow the complex geometry that was based on an approximate sinusoidal shape both in plan and elevation.

The project required an elegant support system. Provision of typically two long members anchored into the vertical wall at variable elevations addressed this requirement. The simplified format of the support is typical of the ME-SSP® Space Frame System where its design and construction is integrated and forms an inherent part of the whole structure design and fabrication.



The illustration shows an entrance canopy to this showroom in Dammam for high ended Hyundai motor vehicles. The structure is supported on four supports, two on the top chord and the other two in form of two 'cable' members anchored onto the wall above the space frame and the other ends connected to top chord.

The apparent concentration of mass, characteristic of the ME-SSP® Space Frame System gives a pleasing aesthetic appearance, which was a necessary requirement for an entrance canopy to such a prestigious showroom.



Najran Cement Factory  
Entrance Canopy to Restaurant

Below is shown a curved canopy at one of the entrances of the Al-Mana Hospital in Al Hassa. The effect to the building was so successful that the client ordered three more similar canopies to cover the remaining entrances.

The entrance canopy to the Restaurant Building of the Najran Cement Factory (shown as a wire model above and as a completed structure at the top right corner) presented a special challenge as its geometry is of a double curvature constituting circular arcs in plan and section.

The support system was designed as vertical columns with two 'cable' members connected to the top chord of the space frame structure and one cable anchored onto the roof top at the back of the structure. The ME-SSP® Space Frame System achieved this through its capability to handle bending element integrally

The cladding made up of Aluminum Composite Panel, 4-mm thick, was specially fabricated and tailored to fit the double curvature.



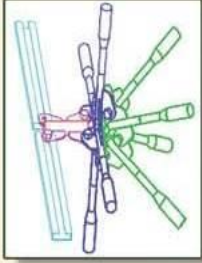


# Bahrain Causeway Gate House



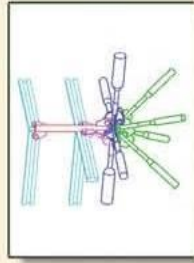


# Accessories and Attachments



The Purlin Stool has been specially designed and configured to fit on one end into the joint system thus enhancing its strength and confinement, and on the other end to accept a framing of purlin profiles from any given direction.

The length of the Stool can be varied to achieve any slope. This results into an integral structural system where by the very nature of its connection to the space frame, the purlin/glazing system increases the overall structural performance.



An innovative adaptation of the standard purlin stool to accept multiple purlin framing lead to the provision of Monitor Lighting for this space frame shade



Roof drainage gutters and downspouts are designed and constructed to blend in with the architecture of the space frame structure.



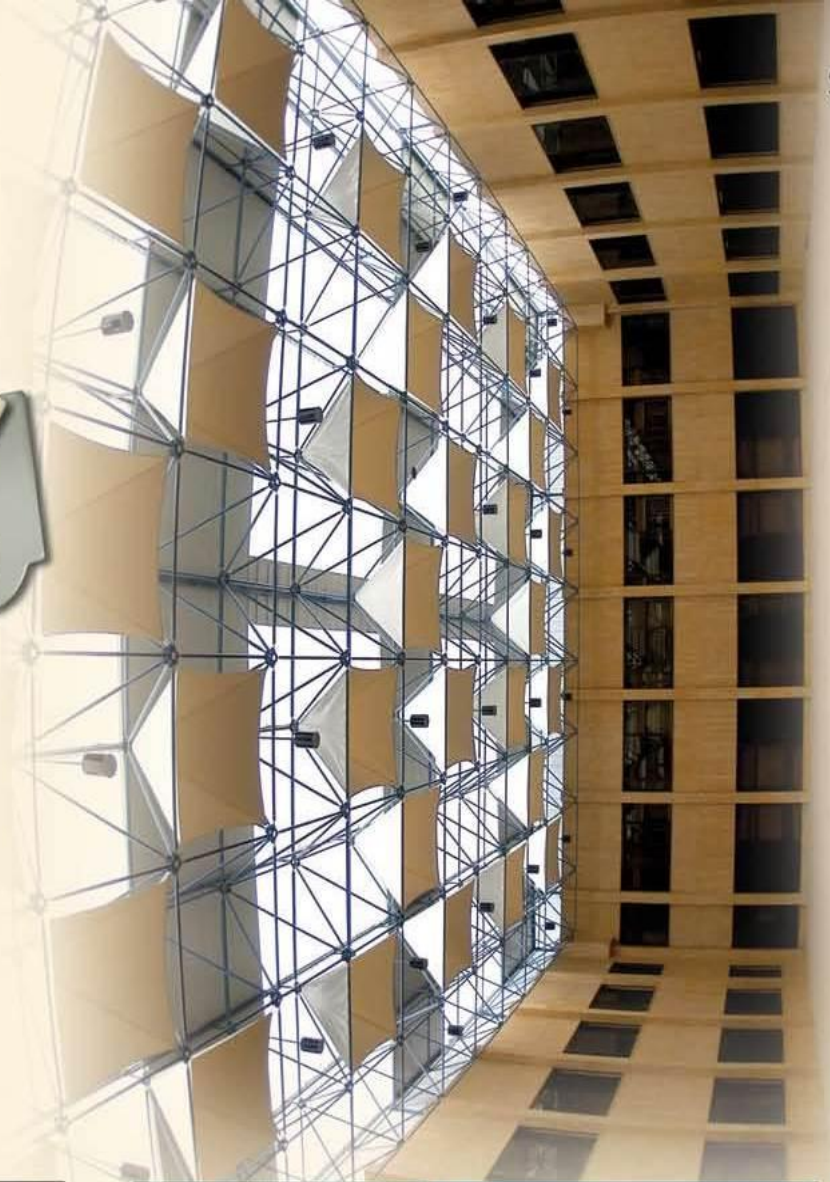
The Support shaft is designed as a short column, and therefore able to carry large axial forces.

Detailing of the support bases is greatly simplified to allow fixation to supporting structures like steel corbels.



The multi-hinge connection joint of the ME-SSP<sup>®</sup> Space Frame System allows easy attachment of tensile fabric structures using the same bolts as used in the flange connections.

The placement of multi-colored tents in selected modules added an aesthetic flavor to this multi-purpose hall built over a courtyard in the Public-Administration Building in Dammam.





# School Shades in General



This 32.2x14.4m outdoor space frame covering, also serves as a sports ground for this Orbit Boys School in Dammam. With a depth of 1.5m, the ME-SSP® Space Frame System was able to provide a cost effective solution.

The roof effectively spans in one direction, with one set of supports anchored into the wall and the consisting of relatively short columns below four drop down diagonals.



This 34.125x21.42m indoor space frame covering, not only serves as a sports arena, but also doubles as a multipurpose hall for this Noor Al-Islam school in Dammam.

The variable coloring of the members, input into the ME-SSP® Space Frame System as a parameter, gave a more pleasing artistic innovation.



The ME-SSP® Space Frame System shed over this Infant Girls School in Dammam has been designed over four short steel columns below drop down diagonal members. The roof covers an area the size of 20m square.



The need to cover the entrance, in a tight fitting area of this Al-Hussan School in Dammam, was adequately addressed by the ME-SSP® Space Frame System.

The shed rests over two steel columns on the front supported on the bottom chord, and three short columns supported on the top chord, and anchored on the building roof slab behind the parapet.



The ME-SSP® Space Frame System has been acclaimed by the owner of the Dhahiya School in Dammam, as the best solution to cover this interior multipurpose hall.

The shed is supported on short steel columns on the top chord and anchored on the wall ring beam.

The cladding at the top consists of sandwich panels to provide adequate insulation placed over purlins whose drainage slope is provided by variable purlin stools heights.



The ME-SSP® Space Frame System shade over the courtyard of this Boys Elementary School in Dhahran covers an area 30x22m and is supported on eight columns on the top chord and provided with drop down diagonals as additional bracing.



## Decorative and

## Special Structures

Single Car Shade



A combination of the standard **ME-SSP**® Space Frame System and the conventional steel construction using large pipes and large connection flanges with multiple bolts, resulted into this imposing Electronic Signpost Stand for the Al-Hadeed Factory in Jubail.

The structure pleasantly blends in quite well with the landscaping design giving an overall balanced environmental and architectural concept.

The 9 meter high structure consists, in the upper right corner a double layer grid geometry with a modulation of 700-mm modulation and space frame depth of 500-mm. The lower left corner is constructed of a single layer, demonstrating the immense capability and flexibility that **ME-SSP**® Space Frame System offers.

The picture shows the One-meter decorative dome, at top of a monument in front of the Al-Jumah City Center Mall in Al-Khobar.

From geometrical point of view, the ability of the **ME-SSP**® Space Frame System to offer tight modulation that meets the "spherical-excesses" -an essential tenacity criteria necessary for a realization of a dome in the first place - is almost unrivaled by any other system especially when considering small radius domes and elimination of structural instabilities in single layer domes.

From aesthetic point of view, the **ME-SSP**® System gives an optical effect of an array of flange pattern where the flange connections give a well dignified look and hence ample aesthetic merit to this single layer small radius dome structure with which it forms a harmonious ensemble.



An overhead view while below the entrance of the Noor Al-Islam school in Dammam, reveals this spectacular sky-line projection of this uncovered decorative dome, placed over a circular opening in the roof of the entrance.

The standard flange connectivity characteristic of the **ME-SSP**® Space Frame System for this single layer dome, accentuates that circular joint geometry in conformity with the dome geometric form.

The hemi-spherical dome has a diameter of 3.360-m at the base and has a height of 1.830-meters.

The picture shows an entrance canopy to a children's hospital in Burkina Faso, in the Sub-Saharan Africa. The construction of the **ME-SSP**® Space Frame System did achieve the architectural and aesthetic requirement of a simple yet imposing structural form, to serve as a welcoming entrance.

The erection into place of this structure by unskilled labor in a remote part in Africa, demonstrates yet another attribute of the **ME-SSP**® Space Frame System. The member assembly is guided by a simple erection drawing. For the case of Burkina Faso, the erection was completed in time by the local contractor.





# Space Frame Structures over Security Gates

The **ME-SSP**<sup>®</sup> Space Frame System shade supported on eight short steel columns which in turn are anchored into large and tall concrete columns, results into an aesthetic blend, befitting this security entrance gate of the Najran Cement Factory located at Sultana (Outside Najran).



The 14.85-m by 9.90-m shade over the security gate-house of the Najran Cement Factory at Najran constructed using the **ME-SSP**<sup>®</sup> Space Frame System, was able to achieve a space-frame depth of only 825-mm with a modulation size of 1.625-m.



The need to provide protection from the sun to the automated personnel checking equipment of this security gate belonging to Hadeed Company in Jubail, was addressed by installing a 19-m by 14.25-m **ME-SSP**<sup>®</sup> Space Frame System roof structure. The modulation size of 2.375-m with a system depth of 1.4-m was used.

Overall structural stability and efficiency has been optimized by the use of drop-down bracing diagonals to the four steel support columns.



Perhaps one of the most elegant space frame structures to be built out of the **ME-SSP**<sup>®</sup> Space Frame System yet, is this shade covering the VIP Immigration on the Saudi side of the Saudi-Bahrain Causeway. A similar structure is erected on the Bahrain side of the border.

The overall elevation given by the tall steel columns supporting the structure on the top chord, gives this shade a sense of magnificence befitting a VIP handling.

One of the innovations in this structure is the modification of a set of purlin stools to allow multiple purlin framing, resulting in increased lighting and aeration.

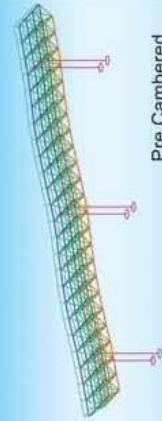


This space frame shade over the entrance to the school in the Najran Cement Factory compound is supported on short steel shafts, on top of concrete columns. The structural functionality and architectural intent was adequately covered by the **ME-SSP**<sup>®</sup> Space Frame System.

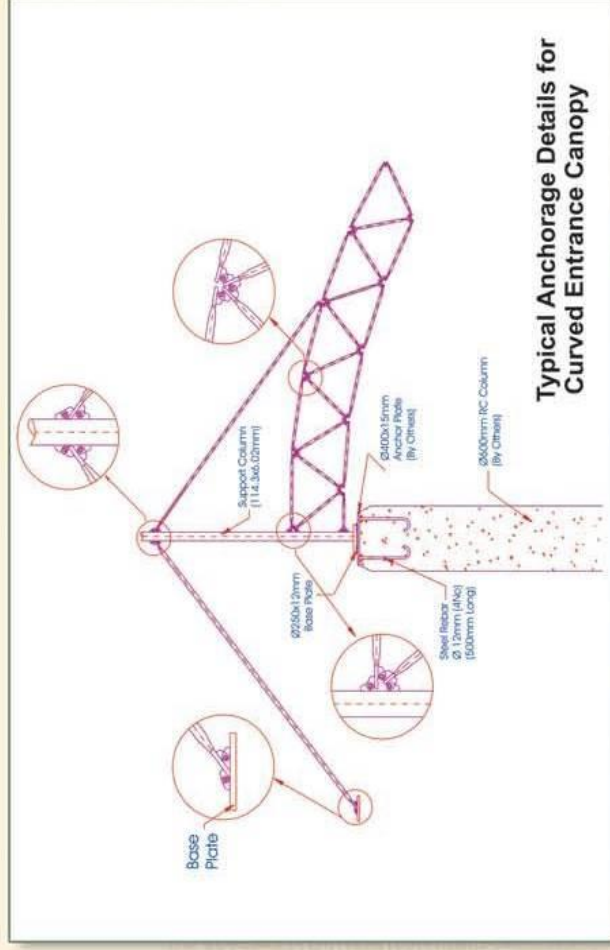
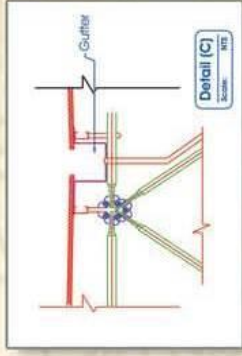
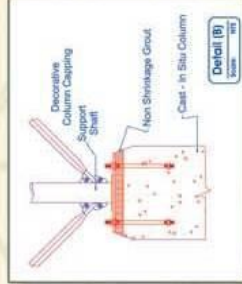
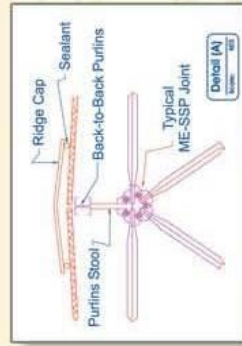
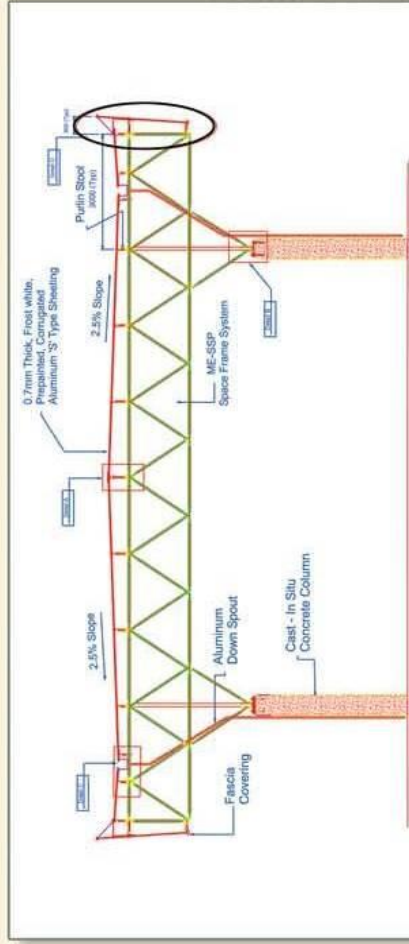
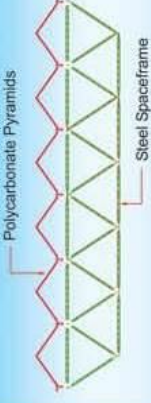


# Sketches of Standard Attachments and Accessories

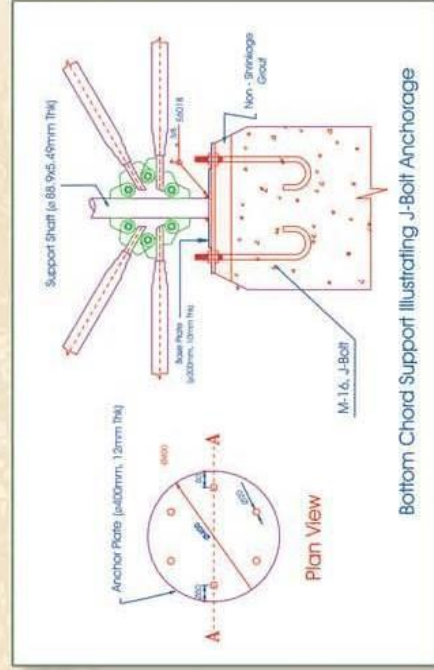
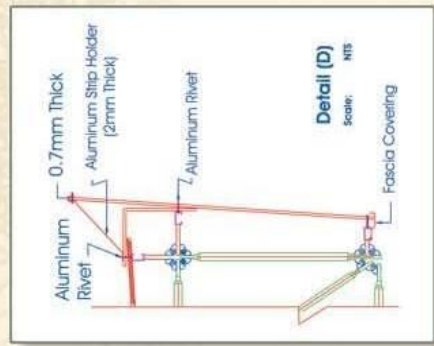
Pre Cambered Car Park Shade



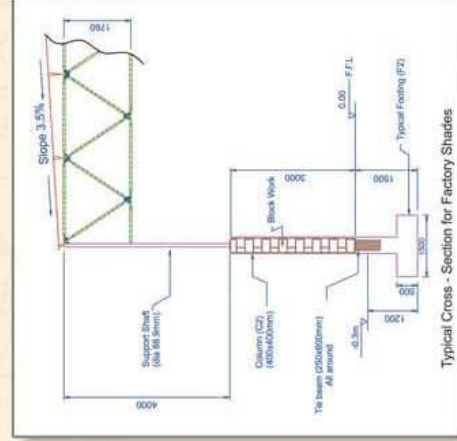
Skylight System



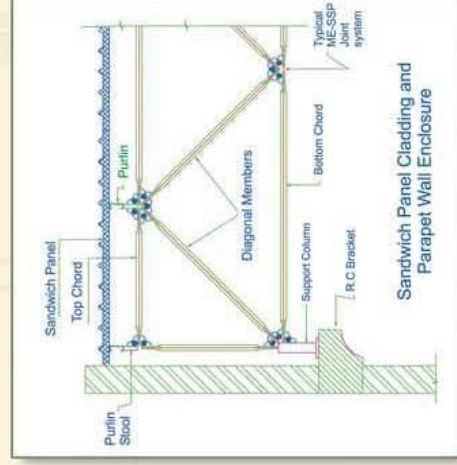
Typical Anchorage Details for Curved Entrance Canopy



Bottom Chord Support illustrating J-Bolt Anchorage



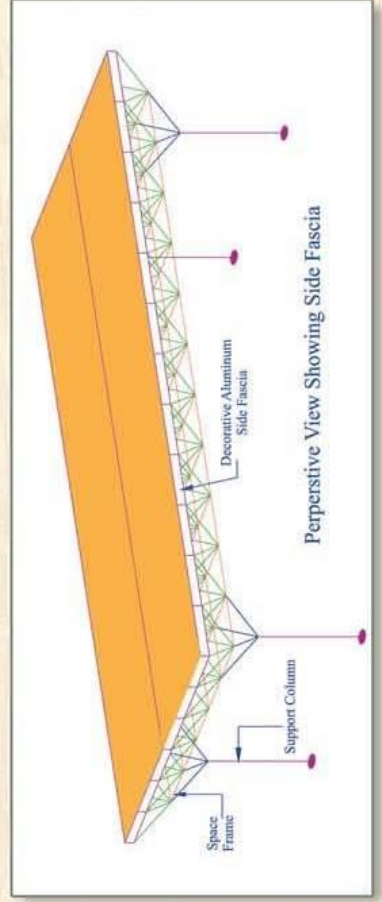
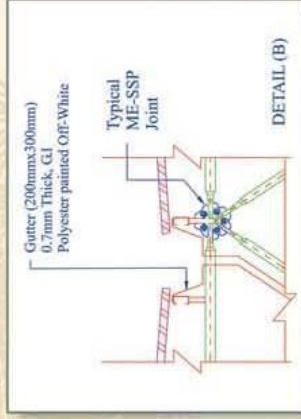
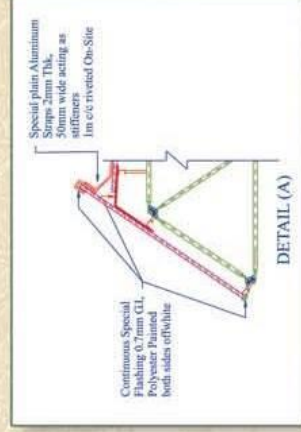
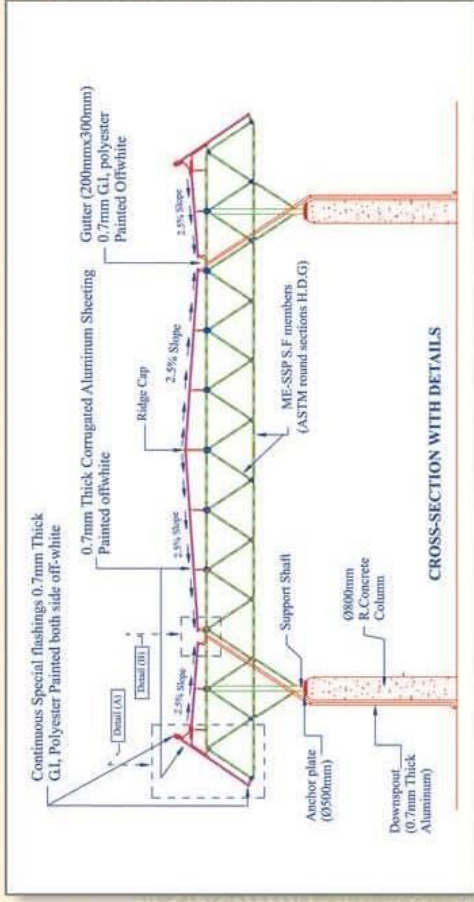
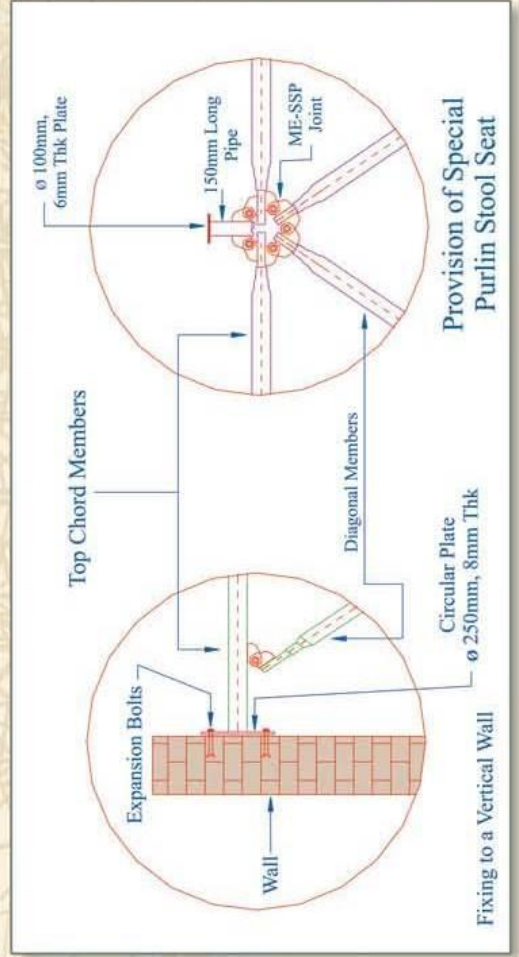
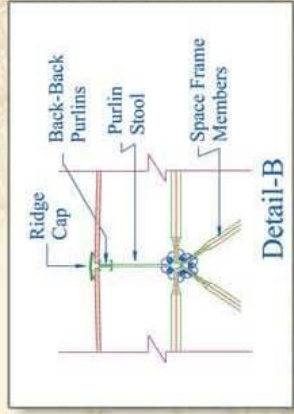
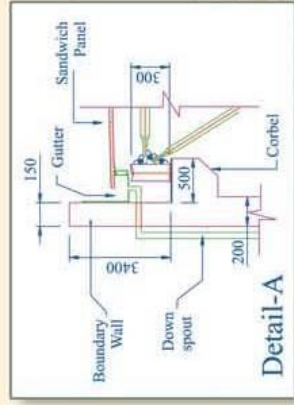
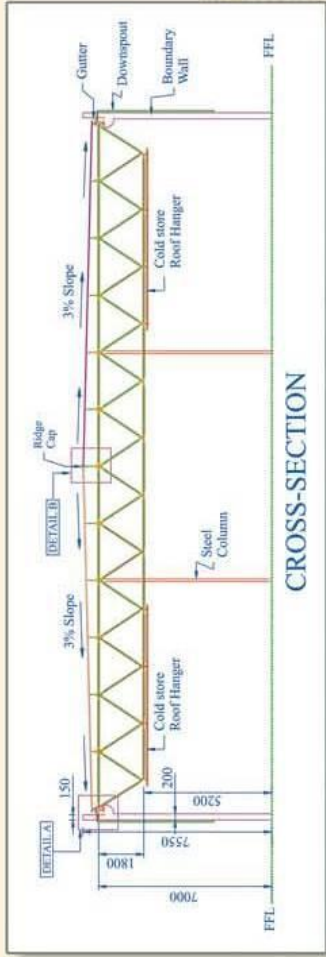
Typical Cross - Section for Factory Shades



Sandwich Panel Cladding and Parapet Wall Enclosure

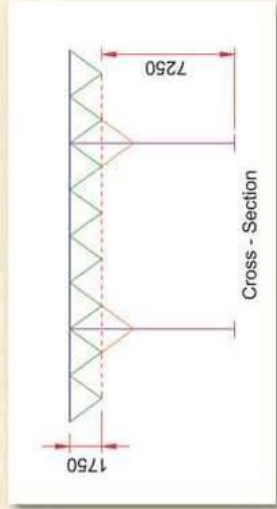
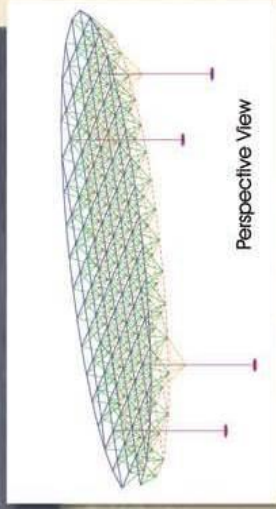
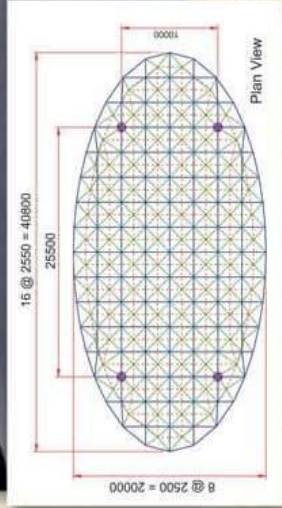


# Sketches of Standard Attachments and Accessories





# Khafji Joint Operations



The Khafji Joint Operations (KJO), ordered two elliptical sunshade canopies to cover two security entrances to the KJO area of operation. The flexibility of the ME-SSP® system allows the achievement of novel geometric shapes, as well as some of the most irregular geometries. The result was a very pleasant entrance canopies that combine function and aesthetics.

One added advantage that is particular to the ME-SSP® system, is the ability to traverse the columns from their base plates through the drop-down members joint onto the upper chord joint lying directly over that column. This results in a column section that can resist lateral forces in a three points bending, unlike other system which depend on the cantilevering action of columns to resist lateral forces. The result is a much sleeker column section, a far more efficient way of resisting lateral forces in canopies.



**THE**

**END**