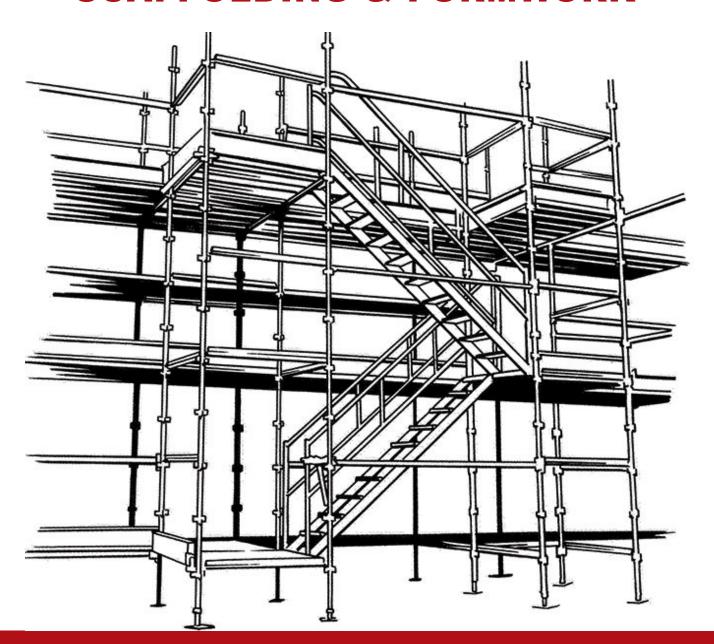
AL-JAZERA FACTORY

For Engineering Construction Co.Ltd شركة مصنع الجزيرة للإنشاءات الهندسية المحدودة





SCAFFOLDING & FORMWORK



JAECO SCAFFOLD JAECO SCI AFFOLDING AFFOLDING



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ORGANIZATION OVERVIEW



Al-Jazera Factory For Engineering Construction (JAECO) serves the needs of scaffolding and formworks with high quality materials and related products required for construction industry. We design the standard as well as the customized solutions that fit the procedures to meet our customers' needs.

We have a team that excels in their professional qualifications and technical experience in the field of scaffolding and formworks materials. Learning from the past experiences, exploring new market ideas and adopting new technologies in the field

will allow our team to provide you with quality material and excellent service.

We adopt a relentless quality assurance policy to ensure the best product quality. This uncompromising approach is the guarantee of maximum strength and durability for the products from JAECO. Today, we are a growing and dynamic supplier of the scaffolding and formworks materials within the kingdom of Saudi Arabia.

Our commitment "To strive continuously to move forward" will always be our shining guidelines and we will always do our utmost to continue our achievements. We look forward to corroborating our quality products and quality services to you in the near future.







SCAFFOLDING TUBES:

مواسير السقالات

JAECO supplies galvanized scaffolding tubes and black scaffolding tubes confirming to BS 1139/EN 10219 in compliance with latest ARAMCO GI 8.001.



GI TUBES SPECIFICATIONS:

مواسير السقالات المجلفنة والعادية

Properties	BS 1139 SI	FPS
Wall thickness	3 mm	0.118 inch
Nominal OD	48.3 mm	1.901 inch
Sectional Area	427 mm2	0.662 inch2
Moment of Inertia	0.1099x 10^6 mm4	
Section Modulus	Section Modulus 4551 mm3 0.28 inch3	
Radius of Gyration	16.04 mm	0.63 inch
Minimum Yield Stress	235N/mm2	34ksi

Propertiesv	BS 1139 SI	FPS
Wall thickness	4 mm	0.158 inch
Nominal OD	48.3 mm	1.901 inch
Sectional Area	557 mm2	0.862 inch2
Moment of Inertia	0.1376 x 10^6 mm4	0.33 inch4
Section Modulus	5700 mm3	0.35 inch3
Radius of Gyration	15.7 mm	0.62 inch
Minimum Yield Stress	235 N/mm2	34 ksi

Propertiesv	EN 10219 SI	FPS
Wall thickness	3.2 mm	0.125 inch
Nominal OD	48.3 mm	1.901 inch
Sectional Area	453 mm2	0.702 inch2
Moment of Inertia	0.115 x 10^6 mm4	0.28 inch4
Section Modulus	4797 mm3	0.29 inch3
Radius of Gyration	16.0 mm	0.63 inch
Minimum Yield Stress	320 N/mm2	46 ksi



LVL SCAFFOLDING BOARDS (OSHA PROOF):

الواح السقالات LVL:

JAECO supplies scaffolding boards in accordance with BS 5973 or equivalent AS/ NZS 4357/ EN 14374:1995 and ANSI A10.8-2001.

Each Scaffolding Board is individually proof tested, laminated and embossed with PROOF TESTED SCAFFOLD PLANK and OSHA to comply with latest ARAMCO GI 8.001.



PROOF TESTED SCAFFOLD PLANK OSHA 07/18

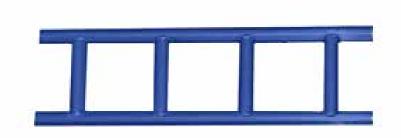
STEEL LADDERS:

السلالم الحديدية

LADDER BEAMS AND LADDER SQUARE

Ladder beams are made for a clear span between scaffolds. Its are constructed from high tensile steel and the saddles are welded at each joint for better security.

You can get a painted or galvanized finishing and available in different lengths and weights.



Available Sizes	
Thikness (mm)	Size (m)
	6m
3.0mm	4m
	3m
3.2mm	6m
	4m
	3m

SCAFFOLDING FITTINGS:

كلبسات الربط للسقالات:

DOUBLE COUPLER (Forged)

كلبس ثابت مجلفن

Weight - 0.965 kg

Max. Slip Load - 15 KN

Max. Distortion Load - 30 KN

Finish - Zinc Plated

Max. Displacement – 7 mm

Fully conforms to standard EN 74



SWIVEL COUPLER (Forged)

<u>ں متحرك مجلفن</u> Veight – 1 071 kg

Weight – 1.071 kg

Max. Slip Load – 8.5 KN

Max. Distortion Load - 17 KN

Finish - Zinc Plated

Max. Displacement – 7 mm

Fully conforms to standard EN 74



PUTLOG OR SINGLE COUPLER (Forged)

كلبس بتلك

Weight – 0.570 kg Max. Slip Load – 12 KN Finish – Zinc Plated

Fully conforms to BS 1139



GIRDER COUPLER (Forged)

کلبس کمر حدید مجلفن

Weight - 1.42 kg

Slip of Coupler along Section Load - 10 KN

Slip of tube through Coupler - 6.5 KN

Finish - Zinc Plated

Hanging Load Vertically – 30 KN

Always use in pairs

Fully conforms to standard EN 74



SLEEVE COUPLER (PRESSED)

كلبس مواسير-مشترك

Weight – 1 kg

Max. Slip Load – 6 KN

Max. Bending Load – 19 KN Max. Displacement – 2 mm

Finish - Zinc Plated

Fully conforms to EN 74



JOINT PIN (PRESSED)

وصلة مواسير-مشترك

Weight - 820 g

Max. Slip Load - 6 KN

Max. Bending Load – 19 KN

Fully conforms to standard EN 74



TOE BOARD CLAMP

كلبس ماسورة سقالة مع خشب LVL

Weight – 382 g Finish – Zinc Plated

Fully conforms to standard EN 74



BOARD RETAINING CLAMP (BRC)

كلبس خشب LVL فراشة

The BRC is used with scaffolding in order to secure scaffolding boards. BRC ensures that scaffolding boards are carefully and safely locked in to the correct position for a safe work environment.

Finish – Zinc Plated Fully Conforms to EN 74.



LADDER CLAMP

كلبس سلم

This is a unique safety product that enables a ladder to be firmly fastened by the stiles to the horizontal scaffold tubes or posts. These are always used in pairs.

Fully conforms to standard EN 74



UNIVERSAL CLAMP

كلبس كمر المونيوم متحرك - مجلفن

Performs a similar function to the wedge clamps but recommended where forms are to be handled repeatedly or are likely to be subjected to considerable vibration.

Fully conforms to standard EN 74



LIGHT DUTY DOUBLE COUPLER

كلبس ماسورة سقالة ثابت - خفيف

Dimention: 48 x 48 mm

weight: 690gm Finish: Pressed



LIGHT DUTY SWIVEL COUPLER

كليس ماسورة سقالة متحرك - خفيف

Dimention: 48 x 48 mm

weight: 700gm Finish: Pressed



JAECO CUPLOCK SYSTEM:

نظام جايكو لسقالات الكب لوك



CUPLOCK BENEFITS

- Strong 40kN per leg.
- Saving in erection times, fast to assemble.
- Simple to erect.
- Systemized bracing reduces labour costs.
- Full Design support with C.A.D.
- Components up to 20% lighter than traditional counterparts.
- Versatile for Support and access.
- Confidence from in depth technical support.



UNIQUE METHOD OF CONNECTION

حلول هندسية لنظام الكب لوك

The principal feature of JAECO Cup lock is the unique method of connecting ledgers and transoms to the standards in one single action without the use of nuts, bolts or wedges.

The Locking device is formed by two cups, a fixed lower cup which is welded to the standard at 0.5m intervals and a sliding upper cup. The forged blade ends of ledgers are located in the lower cup. The upper cup is moved down and rotated by hammer blows to give a positive and rigid connection.

It is this revolution node point locking principle which helps to make JAECO Cuplock faster to erect than other scaffolding systems.

Since ledgers are located in node points on one level, setting out is easy and complete erection simplicity itself.

CONFIDENCE - CAD SUPPORT

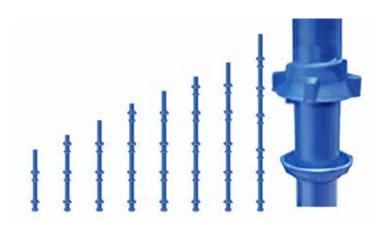
Our experience of using cuplock in virtually every type of project in K.S.A enables us to offer you absolute confidence when using the system. Our extensive technical and design support includes an advanced computer aided design facility. With cuplock we provide simply the best technical support available.



CUPLOCK STANDARDS

القوائم الرأسية لنظام الكب لوك

Standards (Vertical posts) have top and bottom cups at every 500mm. They can be manufactured from 1.0m to 3.0m in length.



Standards / Verticals	
Size (M)	Weight (Kg)
3.0	13.70
2.5	11.40
2.3	11.10
2.0	9.25
1.8	8.55
1.5	6.85
1.3	6.35
1.0	4.55

CUPLOCK LEDGERS

العوارض الأفقية لنظام الكب لوك

Ledgers are provided with forged blade ends to enable positive locking and are available in range of different sizes.



LEDGERS		
Size (M)	Weight (Kg)	
2.50	9.0	
2.0	7.35	
1.80	6.40	
1.60	5.65	
1.30	4.70	
1.20	4.25	
1.0	3.65	
0.90	3.20	
0.60	2.35	

INTERMEDIATE TRANSOMS

عارضة متوسطة للأخشاب

Intermediate Transoms provides board or bottom support where ever there is no ordinary transom present, i.e. between the standards.



TRANSOMS	
Size (M)	Weight (Kg)
1.80	7.60
1.60	6.70
1.30	5.50
1.20	5.20
0.795	3.70

SCAFFOLDING ACCESSORIES:

اكسسوارات نظام سقالات الكب لوك

UNIVERSAL JACK

مسنن متحرك بدون قاعدة (ميزانية)

The Universal Jack can be connected at either end of the standard and used with the socket base or fork head. The threaded tube makes make height adjustments easy. It provides an adjustment option at either the top or the lowest end of scaffolding support structure.





ADJUSTABLE BASE JACK

مسنن ميزانية أرضى

The adjustable base jack can be used as an alternative to the universal jack and socket base. It fits underneath the standard and can be adjusted to accommodate different surface levels. The base jack can be plated or painted.



ADJUSTABLE U-HEAD

مسنن ميزانية علوي

The adjustable U-head can be connected at the top of the standard and has a U Head on top to support primary and secondary aluminium beams or decking beams for formworks.



Fork U-Head JACK

ميزانية علوية للأخشاب H20

The adjustable fork head can be connected at the top of the standard and has a U-Head on top to support primary and secondary aluminium beams or decking beams for formworks.







Bottom Cup

عجل متحرك

CASTER WHEEL

Top Cup

Heavy duty wheel exclusively used with twist lock, Cuplock system.
This can carry a static load of 800kg.



Ledger Blade

ROUND SPIGOT CONNECTOR

وصلة دائرية القطر للقوائم

Spigots are used on the top of a standard to create an end to end connection with another standard.

The spigots can be welded or be supplied loose with the nuts and the bolts, So they can be connected onto the top of the standard.



SQUARE SPIGOT CONNECTOR WITH NUT & BOLT

وصلة مربعة القطر للقوائم

Spigots are used on the top of a standard to create an end to end connection with another standard.

The spigots can be welded or be supplied loose with the nuts and the bolts, So they can be connected onto the top of the standard.



عارضة خارجية للسقالات (كابولي) CANTILEVER FRAME

Cantilever Frames are used for providing support to decking or formwork at edges. The frame has ledger blades connected, So it can be fitted onto cups of the standards. The frame can also accept jacks in three positions at the other end at 1.2m, 1.25m,and 1.3m from centerline of the standard.

Cantilever frames are designed with blade ends that can be easily located in the cup joint.



BEAM BRACKET

قائم رأسى حامل للكمر الساقط

Beam Brackets are used to support the drop beams engaged within the regular slab support grid.

This eliminates the need for the beam bottoms to be propped up from the ground. The Beam Brackets are capable of receiving adjustable jacks and standards for reaching the beam bottom level. It has a safe load carrying capacity of 20KN.



ALUMINIUM BEAMS:

كمرات ألمونيوم

Aluminium Beam is the product of careful research and development. It is indeed a most versatile shoring member covering the vast majority of building applications.

The four beams currently available are designed to perform specific jobs for the most economical solutions. Other systems where only a single section is available, could result in compromises being made with regard to design that adversely affect labour and material costs and reduce profits in an ever competitive market place.

JAECO Aluminium Beams are ideal for use as primary and secondary members on soft formwork and equally suitable as walling on wall formwork in conjunction with **JAECO's** robust Steel Soldier System. Provision is made at the top for a solid timber insert to allow plywood to be fixed easily and ensures tighter joints for greater safety and speed on accuracy on site.

Available sizes	
Thikness (mm)	Size (M)
	6m
4 22 22	5m
4mm	4m
	2m
3.2mm	6m
	5m
	4m
	2m



H-20 TIMBER BEAM:

كمر خشب H-20 للاسقف

Available sizes (m)		
5.9m		
4.9m		
3.9m		
2.9m		

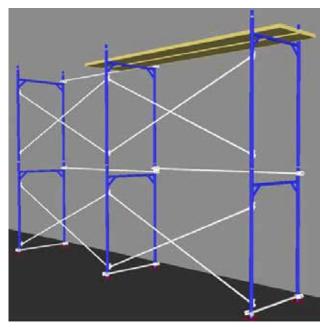


ACCESS SCAFFOLD FRAMES:

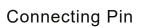


نظام سقالات برواز جايكو

JAECO FRAME SYSTEM









Brace Lock



Brace Lock

البرواز الكوري

KOREAN FRAME SYSTEM



F PROFILE UNIVERSAL PANEL FORMWORK SYSTEM:

القواطع والفواصل الحديدية لقوالب الخرسانة



F Profile Steel Bar Frame Standard Length: 1200, 1500, 1600, 1800, 2400mm.



C Profile Steel Bar Used for Corner **Frame**

Length: 1200,1500,1600,1800, 2400mm.



F Profile Frame Ends Length: 583, 483, 433, 383, 283mm. Any special sizes can be satisfied.



L Profile External Corner,63x63mm Length: 1200, 1500, 1800, 2100, 2400mm Any special sizes can be satisfied



Support Steel Angle Length: 583, 483, 433, 383, 283mm. Any special sizes can be satisfied.



F Profile Internal Formwork Corner Length: 900, 1200, 1500mm. Any special sizes can be satisfied.





F Profile Plywood Formwork Panel

Normal Length: 900, 1200, 1500, 1800mm

Normal Width: 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600mm

GALVANIZED PROPS:

STEEL SUPPORT PROPS-GI

(Light Duty- 2.0 mm Inner & 2.0 mm Outer tube)

JAECO props designed in keeping with British standards, these adjustable props/struts are of high grade steel.

They are ideal for any type of construction requiring adjustable load bearing. Rough height adjustment is made possible by way of a heavy duty steel pin inserted into a slot in the outer tubular steel body through one of the best suited holes (in terms of offering the approx. height extension) in the inner heavy duty tube. Precision adjustment of height is affected by a lever attached to a cast iron collar located just below the pin.

PROPS

Inner Tube Dia: 48mm Outer Tube Dia:60mm

دعائم حديدية للأسقف والجدران





PUSH PULL PROPS

(Versatile Light Weight Time Saving)

Push-Pull Props are designed for use wherever an adjustable inclined strut is required. The push prop is generally used in the construction/erection of pre-cast units and plumbing of column and wall formwork. However, they are also suitable for other industrial applications. These Props are Available in a wide range of sizes.



WALL AND COLUMN FORMWORK SYSTEM:

قوالب الخرسانة للجدران والأعمدة

Formwork with frame is made of steel and plywood as the board, it suits for any, horizontal structure.i.e. walls, columns, pillars, abutments and foundations.



AOLUTIONS AND PLANNING FOR FORMWORK

حلول القوالب الخرسانية

- · Concrete surface finishing is the same smooth as plywood formwork.
- Steel frame formwork has longer lifetime than plywood.
- Save working time. Everything has been already made in the factory.
- Can be recycle, reduce the waste and contamination to the environment.









Columns Formworks

Heavy Duty Formworks

Columns Formworks

FILM FACED PLYWOOD

الواح خشب بلايود

Film: Dynea or Stora-Enso dark brown, black(Other color as request).

Core: Poplar, Hardwood, Eucalyptus, Birch, Combi, Pine.

Glue: WBP (water-proof), MR, Melamine.

Size: 1220x2440, 1250x2500, 1220x2500, 915x1830, 1500x3000, 1525x3050 (mm).

Thickness: 6, 9, 12, 15, 18, 21, 24, 25, 27, 30, 35 (mm).

Number of layers: 5-21 depending on thickness

Moisture Content: 8-12%

Density		
Item	Approx. kg/m3	
Poplar	530	
Hardwood	635	
Combined	600	
Birch	690	
Pine	700	



Formworks Accessories:

مكونات اكسسوارات قوالب الخرسانة



Wing Nut



Waler Plate



Water Barrier Without Disc



Water Barrier With Disc



Tie Rod Dtwudag



Indian Tierod



Plastic Pipe



Plastic Cones



Rapid Clamp

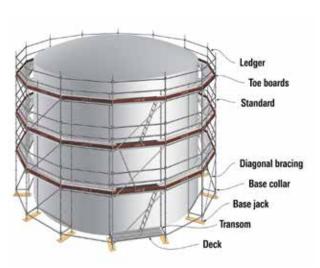


C-CLAMP



Applications of Scaffolding:

حلول السقالات والدعائم الحديدية للبناء





Access Scaffolding

Independent Access Scaffolding

Slab/Beam Support with-H20



Mobile Tower Scaffolding

QUALITY CONTROL

JAECO QC Policy

We are committed to the provision of products and services that are perceived by our customers as consistently meeting or exceeding their needs and expectations This is our Policy Accordingly, we will operate our business using best commercial practices, expert information systems and state of the art technology, all designed to provide our customers with the Highest Quality' of both products and service.

The goals of our company are to provide a work environment that values integrity and encourage teamwork, innovation, personal and professional growth for all and at all levels of the organization.

We will employ the principles of Total Quality Management (T.Q.M) to maintain and continually improve the 'Quality' of what we do, and competitively advantage our Company, our customers and all other interested parties associated with us.

The management team of Al Jazera recognise that the success of any Quality Initiative is directly depending upon the commitment and leadership of management. Accordingly, the following principles are an integral part of our philosophy and the means by which our Quality Policy will be achieved. We will:

- Establish objectives for Quality, together with the measurable necessary for the review and analysis of performance and achievements.
- Evaluate the needs and expectations of our customers and seeking customer's feedback in order to identify opportunities for increasing customer satisfaction on an on-going basis.
- Practice a management style that secures the loyalty of all staff and commitment to the objectives of the company.
- Be pro-active in business planning, performance measurement, and developing a strategy that will
 eliminate risk and prevent avoidable errors, assure process capability and optimize the use of
 resources.
- Establish effective links of communication whereby all necessary information is appropriately channeled and accessible.
- As far as practicably possible, operate in an environmentally conscious manner that will cause minimum disruption to the society in which we operate and maintain a secure environmental inheritance for future generations.

To achieve this we are committed to implement and maintain the quality management system based on ISO 9001:2015.



مراقبة الجودة

سياسة مراقبة الجودة في جايكو

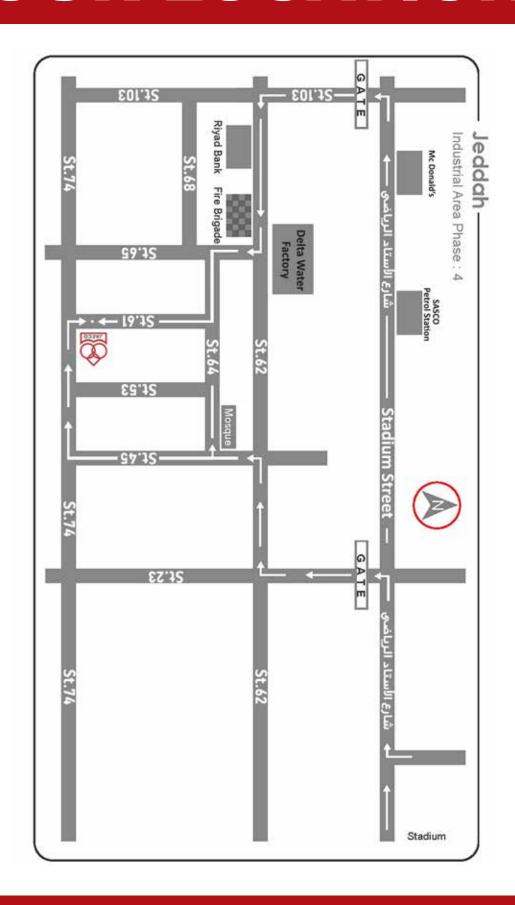
نحن ملتزمون بتوفير المنتجات والخدمات التي يراها عملاؤنا، باستمرار لتلبية احتياجاتهم وتوقعاتهم هذه هي سياستنا وبناءً على ذلك، نقوم بتشغيل أعمالنا باستخدام أفضل الممارسات التجارية، ونظم المعلومات، والتكنولوجيا الحديثة، وكلها مصممة لتزويد عملائنا بأعلى مستويات الجودة لكل من المنتجات والخدمات و تتمثل أهداف شركتنا في توفير بيئة عمل تقدّر النزاهة وتشجع العمل الجماعي والابتكار والنمو الشخصي والمهني للجميع وعلى جميع مستويات الشركة.

نركز على مبادئ إدارة الجودة الشاملة مع المحافظة على "جودة" ما نقوم به ، والاستفادة منه على نحو تنافسي ، بما في ذلك شركاؤنا وعملائنا وجميع الأطراف المعنية الأخرى المرتبطة بنا. يدرك فريق إدارة الجزيرة أن نجاح أي مبادرة نوعية يعتمد بشكل مباشر على الالتزام وقيادة الإدارة. وبالتالي ، فإن المبادئ التالية هي جزء لا يتجزأ من فلسفتنا والوسائل التي سيتم من خلالها تحقيق سياسة الجودة الخاصة بنا. ولذلك سنقوم بما يلي:

- وضع أهداف للجودة ، جنبا إلى جنب مع القياسات اللازمة لمراجعة وتحليل الأداء والإنجازات.
- نقوم بتقییم احتیاجات و تطلعات زبائننا و البحث عن ملاحظات العملاء من أجل تحدید الفرص لزیادة رضا العملاء على أساس مستمر.
 - نمارس الأساليب الإدارية الذي تتضمن ولاء جميع الموظفين والالتزام بأهداف الشركة.
 - دائما نكون استباقييا في تخطيط الأعمال وقياس الأداء ، وضع استراتيجية من شأنها القضاء على المخاطر ومنع الأخطاء. التي يمكن تجنبها ، وضمان القدرة على المعالجة وتحسين استخدام الموارد.
 - إنشاء روابط فعالة للاتصال بحيث تكون جميع المعلومات الضرورية وإمكانية الوصول إليها.
 - نكون قدر الإمكان من الناحية العملية ، نعمل بطريقة بيئية واعية من شأنها أن تسبب الحد الأدنى من التلوث للمجتمع الذي نعمل فيه ونحافظ على بيئة الأمن للأجيال القادمة.

LISO 9001: 2015 mulu file et al. parent file et al.

OUR LOCATION



A STATE OF SCAPFOLDING INCO SCAPFOLDING AECO SCAFFOLDING 95 JA CHILLIAM 95 JAVON SON INICO SCAFOLD

المنطقة الشرقية فرع الدمام

الدمام، الخالدية المملكة العربية السعودية

+ או ווירו | ל

+ אוז וויי רבר ורה | 😝

المنطقة الوسطى فرع الرياض

صِب. ٩٩٨٤ الرياض ١١٤٢٣ المملكة العربية السعودية

+ און רע. ספוו | 📞

+ ארז וו רצר צרע. | 😝

المنطقة الغربية المكتب الرئيسي ـ جدة

ص.ب. ۱۲۳۳۳۸ جدة: ۲۱٤۲٦ المملكة العربية السعودية

+ 977 IF 7.9 E.Ao

+ 977 11 7.4 1.97 | 🖨

Eastern Branch

Dammam Branch

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Our Website

Our Location