



■ ABOUT US 02 OUSUS PRODUCT CATALOGUE 03 ABOUT U



#### "We lead because we follow"

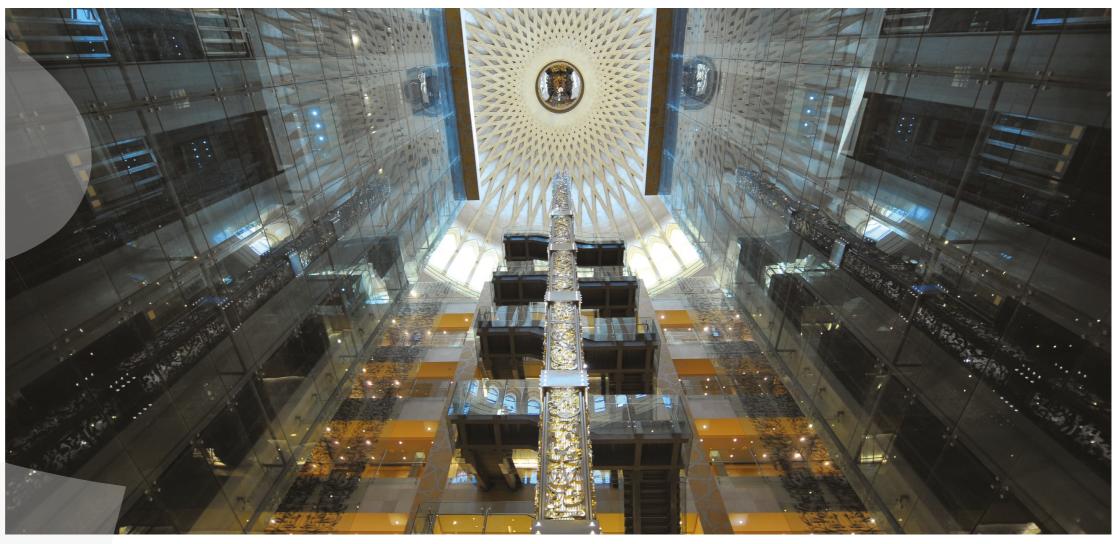
At Ousus Steel, we continue to be inspired by the unwavering principles of service. And that is what helped us succeed in contributing to KSA's development.

### THE TRUSTED NAME IN STEEL FABRICATION IN THE REGION.

Ousus Steel Factory is a Saudi foreign industrial firm with 15 years of solid experience in steel works across KSA, we unanimously stand for good service, reliability, and quality products

Ousus factory, building and facilities is located at Sudair Industrial City in north of Riyadh, Saudi Arabia. With total land area of  $30,000 \mathrm{m}^2$ , it is spread under a covered hangar of 8,000 sqm. where all facilities are accommodated.

All steel works are fabricated in-house without compromising quality of works and abiding by all the safety standards.



Princess Nora Bint Abdulrahman University Main Library Building Dome Steel Support, Design & Fabricated by OUSUS

#### **WHY OUSUS STEEL?**

#### Committed to the Core

The short history of Ousus Steel has been one with relentless expansion and continuous innovation while redefining excellence in the industry. Our large know-how library in metal works products is perfectly positioned to cater to the increasing market demand for more customized steel products.

One of the recent challenges that Ousus Steel was approached with, was the Design of special gates, which had telescopic as well as swing mechanism. This was required due to limited space. The competition was with international companies, but Ousus design was unique and approved. All main gates were supplied by Ousus Steel.

#### RAISING THE BAR, TRANSFORMING THE FUTURE

We pride ourselves on our continuous innovation and product development to meet the ever-changing demands of the industry. The remarkable success of Ousus steel is built on cutting edge, state-of-the-art technology, in addition to a dynamic, highly talented workforce; and a position of strength that has been rewarded by a strong client-Ousus trust relationship.



Gold plated handrail at conference and Convention Center at University





## **RAILINGS**

Ousus Steel Factory offers a comprehensive range of balustrades, handrails products in the kingdom.

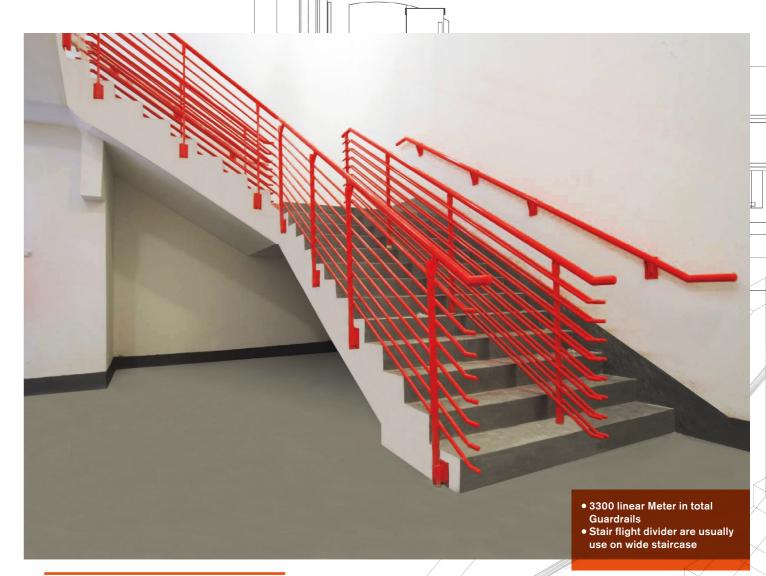
From conception to completion, the designer is given every assistance by experienced personnel employed by Ousus Steel Factory.

This service includes concept drawings, samples, site surveys and detailed fabrication drawings, prompt quotations, manufacture and installation.









Railings | CARBON STEEL PRODUCTS

#### **SERVICE STAIR HANDRAILS**

Commonly use as emergency or fire exit stairs.

Built and tested to withstand 0.89 kN/m concentrated load and 0.73kN/m uniform load without permanent deflection as stated in the Code of practice for the design, construction and maintenance of straight stairs and winders.

ANSI/ASSE A1264.1-2007 BS 5395-2:1984

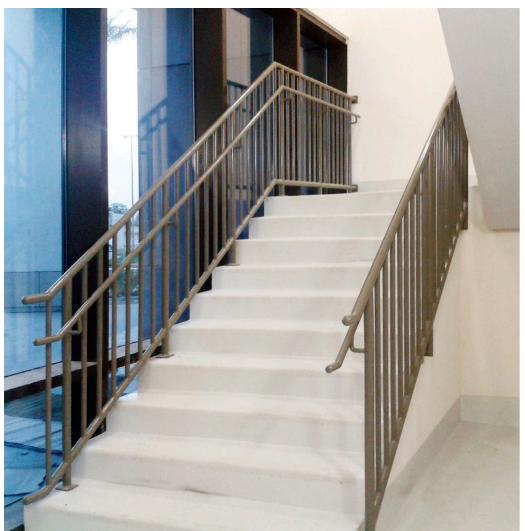
PRODUCT CATALOGUE

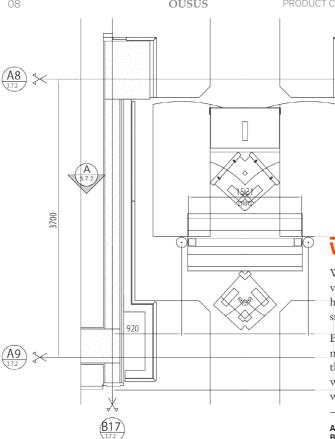
A8 3.7.2 CARBON STEEL PRODUCTS | Railings | CARBON STEEL PRODUCT S | Railings | CARBON STEEL PRODUCT S |

Service Stair Handrail can be a combination of both Guardrails and handrail, this design is usually used in school or hospital facilities whereas elderly people and children are expected to use the service stairs, Guardrails, Handrails and Barriers can be designed and fabricated to individual requirements, manufactured in stainless steel or mild steel or a combination of both materials with glass, wood, or plastic and with various finishes can be as basic as painted to metallic nylon and polyester powder coated, from polished brass and stainless steel, bead blasted metal with clear powder coatings.

We are always pleased to offer experimental coatings for specific projects.

- Research & Medical Facilities
- 1200 Linear Meter in total of Guard rails and handrails



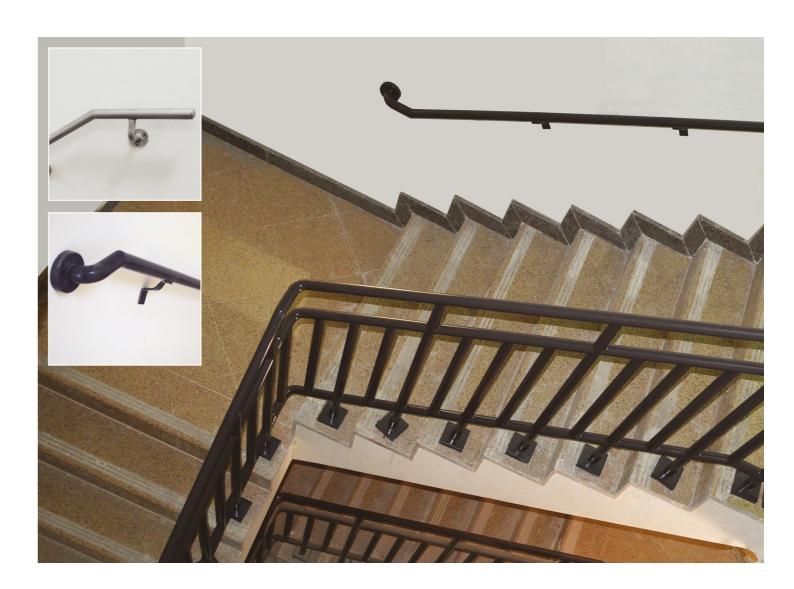


Guardrails can be fixed on the side of the concrete stair to maximized the tread length.





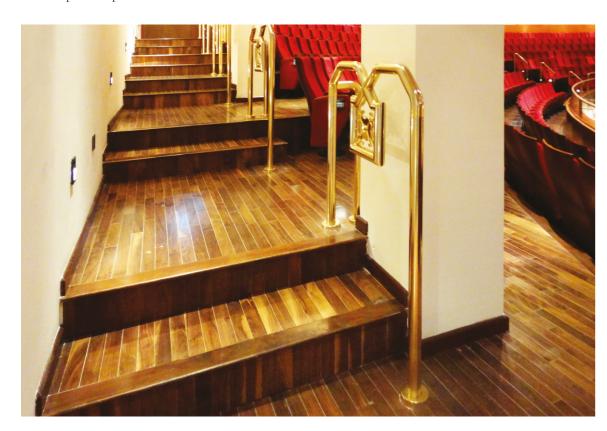


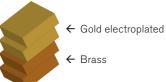


CARBON STEEL PRODUCTS | Railings **OUSUS** PRODUCT CATALOGUE Railings | CARBON STEEL PRODUCTS

#### **DECORATIVE HANDRAILS** (GOLD PLATED GUARDRAILS)

- Conference and Convention Center
- 500 Linear Meters in total handrails
- 24 karat Gold platting is protected by Acrylic hard top coat to prevent scratches on the surface





#### **DECORATIVE HANDRAILS** (HANDRAILS WITH WOODED TOP RAILS)

Ousus Steel Factory Iron handrails with wood top rails provide a very graceful look with elegant curves, scrolls, & architectural details.

From simple rails to a variety of forged scrolls and castings, We can provide commercial and residential wrought iron that complements your building designs.









#### **ROOF ANCHOR**

Roof Anchors is perhaps the most proven fall protection anchor on the market. It is intended for permanent applications only, and is compatible for installation onto concrete base, anchor post are extended on the roof so that it is accessible both during and after roof construction, and is compatible for use with vertical lifelines, horizontal lifelines, and shock absorbing lanyards.

Anchor post is composed of durable, galvanized steel, a class A2 anchor specifed in EN795: 1997; and in addition a static strength of at least 12kN (providing a safety factor of 2), an excellent choice for nearly any fall protection application.

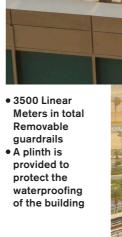


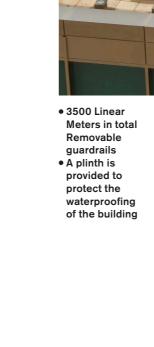
Ousus Steel Factory Roof Guardrails are fixed to the base with a high tensile bolt using it as a pivot point when folding it down to provide access for the window cleaning machine of the buildings.

Built and tested to International Standards to withstand 0.89~kN/m concentrated and 0.73~kN/m uniform load without permanent deflections.

ANSI/ASSE A1264.1-2007 BS 4211 : 1994







CARBON STEEL PRODUCTS | Railings 12 OUSUS PRODUCT CATALOGUE Railings | CARBON STEEL PRODUCTS





#### **HORSE TRACK / FARM BARRIERS**

We have designed and fabricated a wide range of crowd barriers and gates for use in horseracing and equestrian tracks, Our barriers can be used in parade rings, winners' enclosures, horse walkways or any other area where separation is required between horses and the general public. Even our Crowd Barrier systems are designed to absorb impact. The posts are strengthened that allows impact

out by the Governing Body of the sport.





#### **ROAD SIDE BARRIER**

Steel fencing is used as roadside safety barriers to channel pedestrians to safe crossing locations.

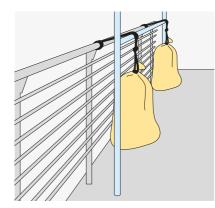
Engineered to withstand vehicle impacts, Steel Pedestrian Fencing is suitable for both verge and median roadside applications. Steel Pedestrian Fencing is manufactured in accordance with state road authority specifications.

#### BS EN1317-2



#### **TEST METHOD**

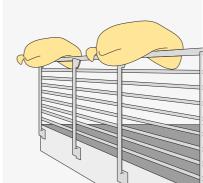
According to French Standard NF P01-013 ASTM E985-00(2006)



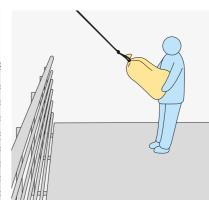
Test procedure 01 Weight counter to inside



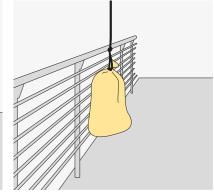
Test procedure 02 Weight counter to outside



Test procedure 03 Weight counter above



Test procedure 04 A Pendulum / Impact test



Test procedure 04 B Steel railing stands without permanent deflection after impact



CARBON STEEL PRODUCTS | Staircases | CARBON STEEL PRODUCTS | Staircases | CARBON STEEL PRODUCTS | Staircases | CARBON STEEL PRODUCTS | CARBON STEEL PR

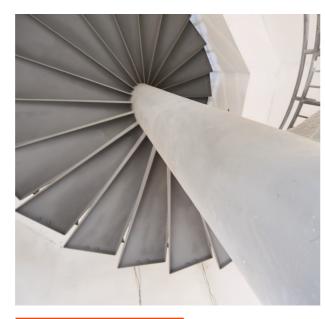
### **STAIRCASES**

Considerably more slender and are not dominating in the same way in many cases, they melt in with the surrounding environment as a part of the façade, can be built very high, without any extra supports, assuming that bracing can be carried out against the wall. Bracing can be achieved either by stepping o landings or special support angles constructed every revolution.

If there is no adjacent wall, bracing can be carried out with longitudinal support legs positioned outside the staircase diameter. Stair treads are designed for a distributed load of  $4.0 \mathrm{kN/m^2}$  or spot load of  $3.0 \mathrm{kN}$ . Smooth & wall nished w/ primer paint+epoxy polyurethane paint.

The material combination of: Pipes 400mm DIA. For center column, Bended Checkered plates for riser/tread, I- beams & angle support for landing, combination of Pipe 50 mm DIA. For handrail& mounted with anchor bolt on the concrete base& wall. Built in accordance with the International safety Standards.

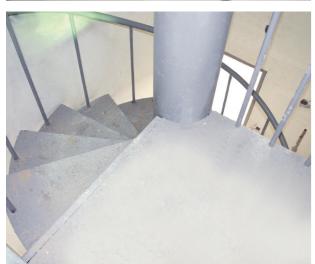
BS 5395-2:1984



#### **SPIRAL STAIRCASE**

- Stands 28 Meters high and 2.8 Meter in Diameter
- Inside the two (2) 68 Meter high Minaret of the Mosque





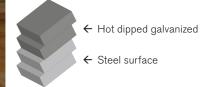




#### **FOOTBRIDGE**

A Foot bridge is generally used to provide access over an obstacle, providing safety to personnel and reduces damage to the materials below foot bridges are made up of sections joined that forms a tunnel-like pass-through designed to protect pipes, hoses and cables as heavy equipment crosses over it. These Bridges are designed, for strength as well as portability.

ANSI/ASSE A1264.1-2007 BS 5395-3:1985





#### **CROSSOVER RAMP**

Protect pipes, hoses and cables that are crucial to your buildings operation. These guard ramps allow heavy equipment to pass over obstacles up to any diameter and can accommodate equipment up to 160,000 pounds. Ramps are custom built and designed, for strength as well as portability.

ANSI/ASSE A1264.1-2007

CARBON STEEL PRODUCTS | Ladders & Rungs 16 OUSUS PRODUCT CATALOGUE 17

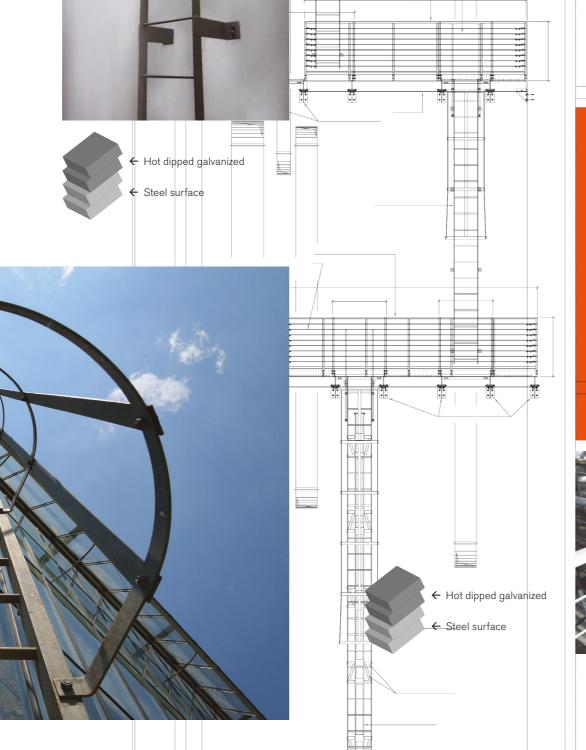
# LADDERS & RUNGS

### **FIXED STEEL LADDERS**

Ousus Steel Factory Welded Steel Fixed Ladder is designed for safe docks and mezzanine access. This unit has a load rating safe for up to 300 lbs. (1.33 kN), applied at any point to produce the maximum load effect on the element being considered. The number and position of additional concentrated live load units shall be a minimum of 1 unit of 300 lb (1.33 kN) for every 10 ft (3,048 mm) of ladder height. The walks thru models have 1meter high handrails to increase safety.

Compliance with ANSI ASC-A14.3-2008 BS 5395-1:1984

> Note: ladders more than 2m in height we suggested installing safety hoop



### **WALKWAYS**



#### **INDUSTRIAL CATWALK**

Ousus Steel Factory, designs and Fabricate Industrial Catwalk, Mezzanine and Maintenance Platform according to the specific requirements and specification of the building and site condition, these structures allow access between buildings, over machinery and equipment and to elevated areas of equipment or machinery that need regular attention. Catwalks are normally not for storage, Designed to carry a minimum uniformly distributed live load of 40psf (1.92kN/m²) and minimum concentrated live loads of 300lb (1.33kN) Our design meets International safety standards and prevailing building codes for industrial, manufacturing, commercial or military facilities

Compliance with ANSI ASC-A14.3-2008 BS 5395-1:1984



Walkways | CARBON STEEL PRODUCTS







■ CARBON STEEL PRODUCTS | Walkways | Trench Covers 18 OUSUS PRODUCT CATALOGUE 19

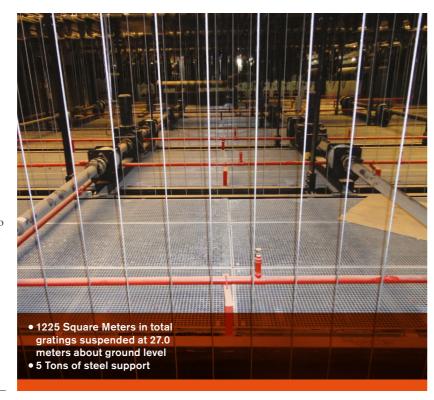
#### **MAINTENANCE PLATFORM**

We also fabricate custom access platforms for industrial and commercial settings. Maintenance platforms, and access platforms can mitigate fall hazards and provide safe access to machinery, equipment, and hard to reach areas in industrial and manufacturing environments. Designed to carry a uniformly distributed live load of 31.1kN/m² and concentrated live loads of 3.57kN, for the regular maintenance purpose Ousus Steel Factory used a galvanized Pressure-lock gratings with a very small pitch of 22x22mm for the flooring to make sure that any item will not fall directly underneath during maintenance, grating panels are individually locked to the main frame enables it to open only a specific area.

Compliance with ANSI ASC-A14.3-2008 BS 5395-3:1985



- ← Hot dipped galvanized
- ← Steel surface





## TRENCH COVERS





### CHECKERED PLATE PIT COVERS

The light weight combined with the tremendous strength of a checkered plate trench Covers translates into speed, productivity and increased system in reliability. Not only that this Trench Covers are light and easy to handle, but they will carry heavy truck on traffic. Checkered plate cover provides protection for the materials inside the pit and protection for the worker above the pit, with easy remove and fixes system its ideal for maintenance purposes.



- ← Hot dipped galvanized
- ← Steel surface

#### **STEEL GRATING COVER**

Welded Steel Bar Grating is the most popular of all grating due to its strength, cost efficient production and ease installation. Used in most general industrial plants and commercial buildings, it has wide applications as walkways, platforms, safety barriers, drainage covers and ventilation grates. it also offers the Best Strength-to-Weight Ratio Available When extra-heavy loads are anticipated (such as a forklifts or trucks) Ousus Steel Factory can provide the heavy-duty grating you need to ensure safety over many years of use. it can be considered for areas subject to heavy loads such as parking lots, loading docks, ramps, airfields, truck and bus terminals, subway and tunnel ventilation grilles and inlet covers. These gratings meet the standards and load tables as set forth in ANSI/NAAMM MGB 532-00.





Trench Covers | CARBON STEEL PRODUCTS ■















- ← Polyurethane paint
- ← Epoxy
- ← Hot dipped galvanized
- ← Steel surface

#### **DECORATIVE FLOOR GRILL**

A simple but elegant design, the Decorative Floor Grill is designed to cover drainage system of the washing station, with easy remove and fix system its ideal for maintenance purposes. we are always pleased to offer experimental coatings for specific projects.



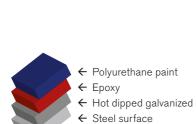
CARBON STEEL PRODUCTS | Fences | CARBON STEEL PRODUCTS | Fences |

### **FENCES**

#### **SECURITY FENCES**

A high-performance steel security fence with an appealing wrought iron fencing look, not only offers customized design flexibility but also unparalleled rail strength and fence durability. Security fence utilizes the High Quality Coating finish on pre-galvanized steel which provides a maintenance- free 5-year warranty against corrosion. The strength and durability of these items conforms to international standards.

ASTM F2781-15 BS 6180 : 1995



Welded wire mesh have higher security features than chain-link fence type.

Ousus Steel Factory installed 30 Km of perimeter fence in a National Guard Headquarters

















### **DECORATIVE STEEL FENCES**

Ousus Steel Factory's decorative steel fences has redefined the commercial fence with strength that matches the level of security demanded, and styles that balance the distinctive look of wrought iron fence into a perimeter security fence system. Post and rails surpass the minimum yield strength of 50,000 psi to provide a complete protection to the perimeter.

#### BS 1722-9:2006



- ← Polyurethane paint
- ← Epoxy
- ← Hot dipped galvanized
- ← Steel surface

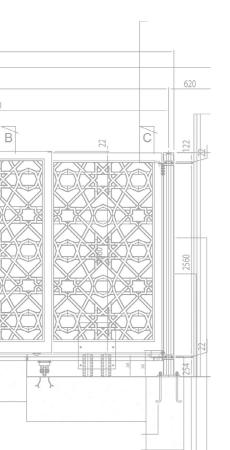


- Perimeter fence
- 640 Linear Meters in total length



CARBON STEEL PRODUCTS | Gates **OUSUS** PRODUCT CATALOGUE Gates | CARBON STEEL PRODUCTS





OXXO

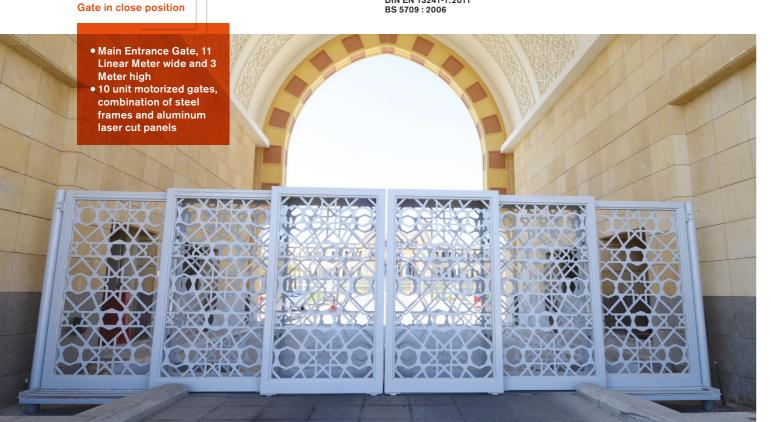
Gate in open position

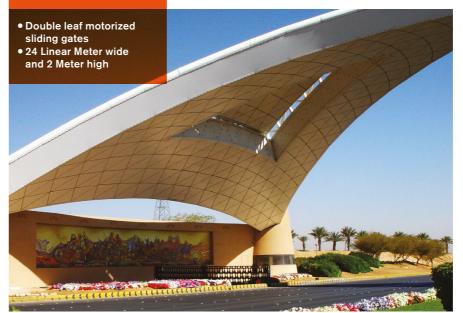
#### **TELESCOPIC + SWINGGATES**

The Telescopic Sliding and Swing Gate is an adaptation of the normal tracked sliding gate that can be opened like a normal swing gate used for modern day structures where space is of essence and a number of times there is lack of room. A telescopic gate reduces the packing distance required by a sliding gate by at least 90 percent. This makes it the ideal choice when the entry or exit road of the property has limited space to sacrifice for the gate parking area. Telescopic gates have two more gate leaves one behind the other which travel at varying speeds during operation to synchronize their starting and stopping positions. Almost any style of sliding gate can be converted into a telescopic swing gate

THE THE PARTY OF T

DIN EN 13241-1:2011





#### **SLIDING GATES**

Tracked Sliding Gates are tough, reliable and very adaptable, they are widely used in the commercial and industrial sector. This gate is suitable for heavy duty applications, and will provide long life service with nominal maintenance. Sliding gates are the ideal choice when there is lack of space to install a swing gate. Since they slide horizontally on the side, they require very less common space. They move linearly, their design is flexible and versatile these gates are not subject to any limitations on operating convenience and can be used with remote control to code card readers that make them a favorite in industrial and commercial use.







- ← Polyurethane paint
- ← Epoxy
- ← Hot dipped galvanized
- ← Steel surface

Electric motor or manual operation option.







- ← Polyurethane paint
- ← Epoxy
- ← Hot dipped galvanized
- ← Steel surface



Motorized sliding gate are equip with laser sensor, manual override and local safety switch.



CARBON STEEL PRODUCTS | Gates **OUSUS** PRODUCT CATALOGUE 25 Gates | CARBON STEEL PRODUCTS





• Main gate along King Abdullah Road





- ← Polyurethane paint ← Hot dipped galvanized
- ← Steel surface
- Double leaf motorized swing gates w/ Single leaf manual pedestrian
- Material combination of Satin finish stainless steel & Varnish coated hard wood

#### **SWING GATES**

Swing Gates are all about grandeur. The very sight of gates swinging open to greet you is very appealing. Apart from aesthetics, a swing gate may provide powerful security as well a swing gates may either be of single leaf type or double leaf type and will open up to 90 degrees in most cases. They require specific internal space. Swing gate are available in a number of designs and as always, we can custom design it as well. We provide automation solutions to automate swing gates as well. On the touch of a button or integrating access control, the gate can open or close automatically.







#### **SECURITY GATES**

Ousus Steel Factory Security Gates are designed and developed as per the individual requirements of the projects. Our expertise lies in providing solutions in the form of one of gates as well as gates that need to be integrated with perimeter fence for achieving that perfect blending support. Before arriving at a solution, our experienced team takes note of several design considerations. This ensures only the most compatible system is provided to the customers, be it in form of a small pedestrian gate or a large industrial gate. Further, these can also be provided with motorized or manual operation support as per the specific end usage requirements of the customers.

MIL-HDBK-1013/10 BS 5709 : 2006

- Double leaf security gates
- 24 Linear Meter wide and 2.5 Meter high







Motorized rack and pinion gear system for remote operation.



- ← Polyurethane paint
- ← Epoxy
- ← Hot dipped galvanized
- ← Steel surface





Reinforced steel track and high grade industrial plastic roller guide for stability and easy operation



■ CARBON STEEL PRODUCTS | Technical Rooms | CARBON STEEL PRODUCTS | Technical Rooms | CARBON STEEL PRODUCTS ■ ■ CARBON STEEL PRODUCTS | Technical Rooms | C

# **TECHNICAL ROOMS**

### INSULATED PANEL MECHANICAL ROOM

Mechanical or Technical Rooms are modular and can be relocated or fixed to the buildings or structures, made of pre-coated Aluminum sheets and thermally insulated panels. They have the strength of steel, the aesthetic appeal of modern construction, as well as the cost effectiveness of modern steel structures. Steel Cabins are light weight and have very effective heat and sound insulation.

ASTM-C-236 DD ENV1994







- Technical room
- 10 meter wide, 21 long, & 4 meter high
- Wall panels & roofing system are made of Variform sandwich panel
- Thermal InsulationNoise reduction
- Fire test



#### **METAL SERVICE DOORS**

Designed to close storage area, maintenance Shaft, Electrical rooms, this heavy-duty steel door is designed for tough condition, material infill may vary according to its purpose polyurethane foams and mineral Rockwool are just common material infill, Material combination: Galvanized sheet, mild steel frames or door jamb, heavy duty cylindrical hinges and lock set, galvanize with polyurethane paint top coat.



- ← Polyurethane paint
- ← Epoxy
- ← Hot dipped galvanized
- ← Steel surface

#### **HATCH DOORS**

Ousus Steel Factory Access Doors give easy access to mechanical, electrical and plumbing fixtures behind a wall. Our flexible manufacturing takes the hassle out of custom sizing,









3 U/C-

- Wall Opening Width

Door Leaf 514mmOusus Steel Factory fabricates access panels and has the experience and capability to meet your every need. Whether your requirement is for applications specifying drywall, plaster, masonry, tile or other surface types, We offers a full line of access doors: fire rated, general purpose, recessed, security, special application, We also has the ability to create access doors in special dimensions and to design and manufacture your custom access doors.

ASTM C1802-14e1











■ CARBON STEEL PRODUCTS | Car Shed | CARBON STEEL

### **CAR SHEDS**

Our clients can avail from us a comprehensive range of Tensile Fabric or PVC car sheds are both known for their superior quality and reasonable prices. These are available in the both standard as well as customized options. Our range of product is widely appreciated by our clients throughout the kingdom for their various notable features such as withstand adverse weather conditions, high durability and optimum quality. Designing and developing a unique collection of Car Parking Sheds. We process these sheds using high grade raw material which we acquire from authentic vendors across the market. These sheds have good resistance to adverse weather conditions and require less maintenance. Moreover, these sheds add an aesthetic beauty to the exteriors. Our light weight sheds are easy to install and are available at industrial leading prices.

AS 2890.2-2002







- ← Polyurethane paint
- ← Epoxy
- ← Hot dipped galvanized
- ← Steel surface





- Double car shed design
- Tensile fabric car shed
- Covers3000 Square Meters of car parks



- ← Polyurethane paint
- Ероху
- ← Hot dipped galvanized
- ← Steel surface











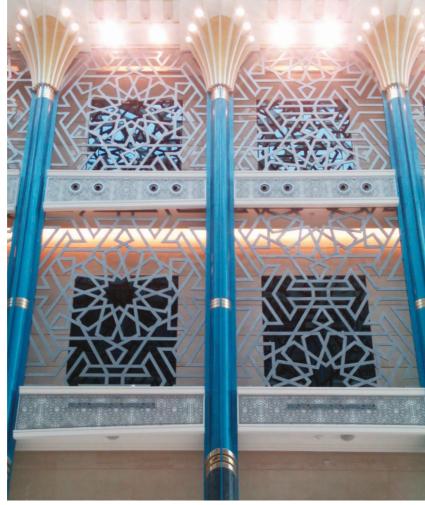




■ CARBON STEEL PRODUCTS | Claddings | CARBON STEEL PRODUCTS | CAR

### **CLADDINGS**







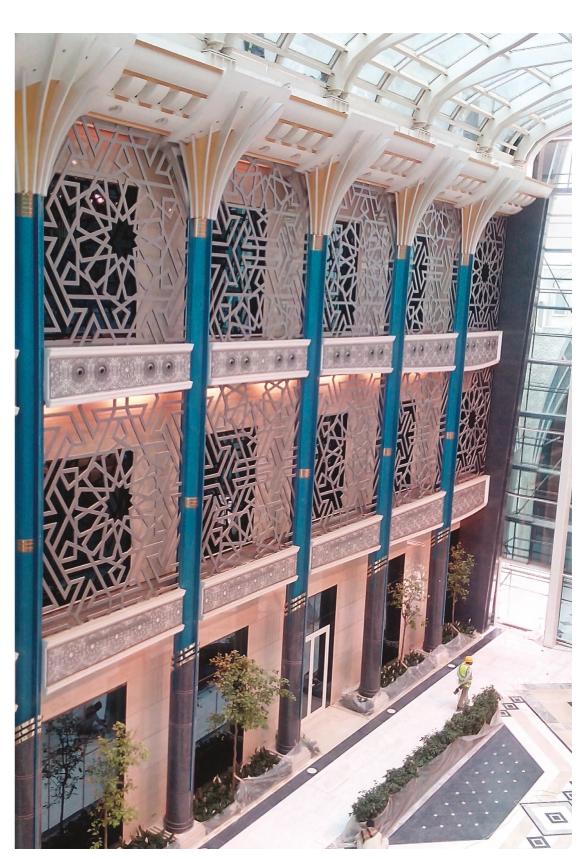
#### **COLUMN CLADDING**

Column cladding, allows to cover any kind of surface. It is actually a light cladding made of a modular system of panels of different shapes, heights and colors hooked and a load-bearing structure that can be installed on any existing wall. This system allows to vary a building architectural aspect without any kind of structural intervention or change. Being able to place column cladding at a distance from the wall means to obtain a ventilated wall, able to protect the building's wall structures from erosion, atmospheric factors and deterioration. Column cladding meets the need to cover support columns usually present in any kind of building. Obtained aesthetic effect has a modern and original impact in addition to being suitable to uncountable variations.

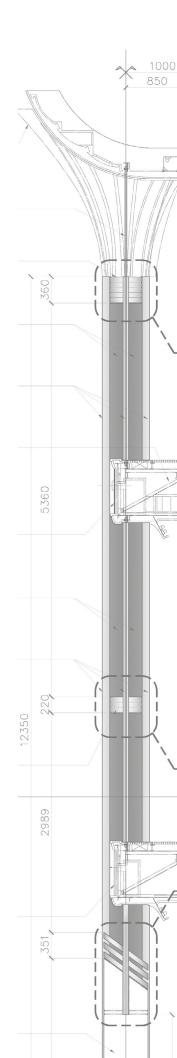
AS 1562.1-1992/Amdt 3-2012 BS 5427-1 : 1996

Brass Decor electro platting with 37 24 karat gold





A special hammerite blue paint were use for this project, Ousus Steel Factory team of professional painter welcomes this difficulties and turn it into architectural WORKS.



CARBON STEEL PRODUCTS | Claddings Claddings | CARBON STEEL PRODUCTS 32 **OUSUS** PRODUCT CATALOGUE 33







Research & Medical Facilities

#### **SUB-FRAME FOR** WOOD CLADDING

Wood cladding is an exterior finish for a structure which is made from wood. There are a number of different types of wood cladding available, from engineered wood panels to traditional clap board siding. Ousus Steel factory is known for its versatility in fabrication of Steel frames adapting to any architectural design or concept.

BS EN 1993-1-5:2006



- Thermal Insulation inside the Column Ventilation louver fixed on top and bottom part of the column
- 2.8 Meter Diameter Column Cladding
- Work in Progress

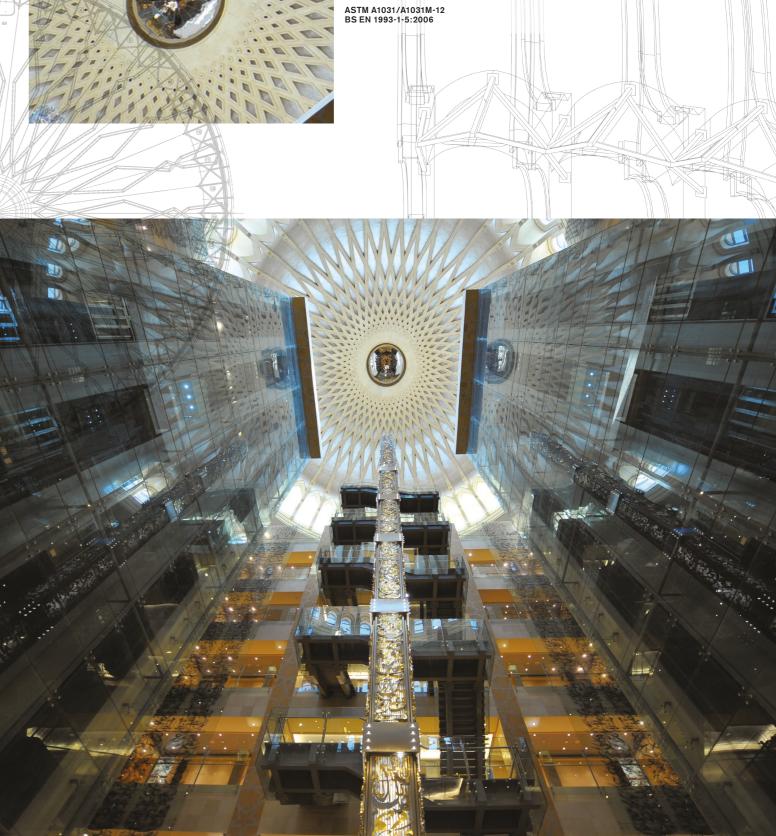






#### **SUB FRAME FOR GYPSUM BOARDS**

A huge diameter, 41 mtr Dome is supported by a steel structure fabricated and designed by Ousus steel factory to catty the load for the GFRC ceiling and roof.



CARBON STEEL PRODUCTS | Claddings | CARBON STEEL PRODUCTS | CARBON



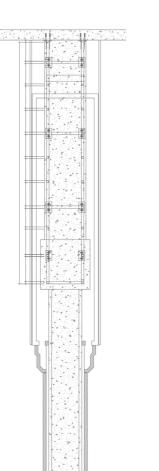
#### SUB FRAME FOR GFRC

Wood cladding is an exterior finish for a structure which is made from wood. There are a number of different types of wood cladding available, from engineered wood panels to traditional clap board siding. Ousus Steel factory is known for its versatility in fabrication of Steel frames adapting to any architectural design or concept.

ASTM A1031/A1031M-12 BS EN 1993-1-5:2006







### SUB FRAME FOR MARBLE TILES

High quality fabricated steel frame structures make it possible to create spacious and adaptable interiors. Steel is the perfect choice for strong, light and slender frame structures. The benefits of our steel frame structures are Standard components can be easily tailored for the needs of each project. Steel frames are quick and safe to install. Our solutions support an easy design phase. With careful design of the frame structure and thorough planning of installation, we can also improve the safety of construction workers. The optimum clear height and column spacing are often achieved with our standard solutions. In more complex cases, Ousus Steel Factory offers a project–specific design to ensure the best, most economical solution for the client's need.

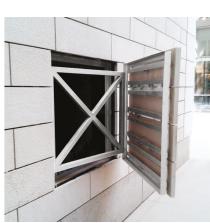
design to meet the service performance of ANSI/BHMA A156 - 2013



- ← Polyurethane paint
- ← Epoxy
- ← Hot dipped galvanized

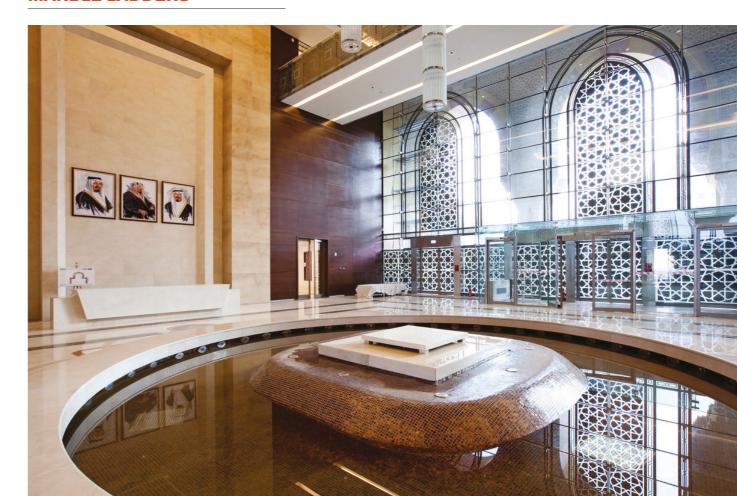








#### **MARBLE LADDERS**





Stainless Steel wall cladding is one of the most common used in today's building. Wall cladding may be used both on the interior and exterior of buildings, creating a striking architectural effect. There are so many reasons why Stainless Steel is the top choice for architects. Unlike most other types of feature material, stainless is available in an array of finishes to suit all conditions. Stainless comes in patterned, dimpled, textured, embossed and also colored steel finishes. Some of these aspects enhance durability and prevent wear and tear in high traffic areas. Ousus Steel Factory and its highly qualified workforce is working closely with clients from design to execution of its project

DD ENV 1090, Part 6 ASME A17.1



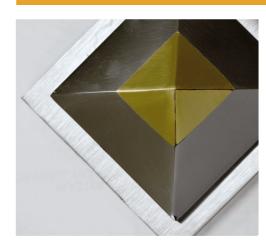
- Stainless Steel Architrave with Shoe and Splay
- Stainless Steel Skiting



- Mirror polished 316 grade stainless steel
- Gold platted strip on architraves, skirting and gold platted pyramid decoration











- Stainless steel cladding on wooden doors
- Mirror polished 316 grade stainless steel alongside with grit 240 satin finish stainless steel

Claddings | STAINLESS STEEL PRODUCTS

- Tempered and Laminated Glass panel with white ceramic coating at the back
- Gold platted strip on architraves, skirting and gold platted pyramid decoration

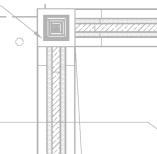






Wood door with laminated wood veneer on one side and stainless steel strips on the other side to give 2 different ambiance matching the architectural design

design to meet the performance criteria on ANSI/BHMA A156 - 2013 DD ENV 1090, Part 6

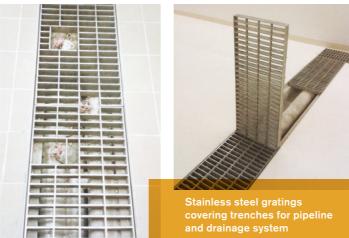


### **GRATINGS**

Bar Grating can meet almost any load bearing or weight requirement and is the most durable grating for rugged applications. Bar grating is a top choice for strength, safety, and long-term cost. Bar Grating consists of a series of bearing bars welded (or otherwise joined) at various intervals to perpendicular cross bars to form a load-bearing panel. Panels are manufactured by welding, locked by swaging, or press-locked processes. A typical panel configuration has bearing bars that are spaced 30 mm (center to center) with perpendicular cross bars spaced 100 mm apart (center to center). Other spacing's are available to meet your loading and open area requirements. Bar Grating is available in a wide selection of panel sizes; bar sizes and spacings; bar shapes; and material types. The most popular style is Welded Bar Grating.

BS 4592-1:1995









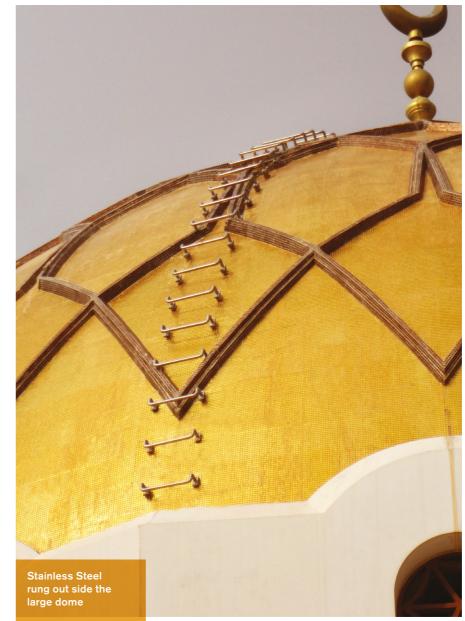
Structural support and frames



### **GREEN WALL**

Greening applications demonstrate the intelligent use of Ousus Steel Factory with its materials to provide an essential trellis structure for vertical gardens in the tightest building envelope. Ousus Steel Factory green wall systems offer shading as well as a sculptural solution for spaces with increased urban density and a reduced urban heat island effect. A living vertical garden contributes toward sustainable design and creates a unique aesthetic through the use of vegetation and flowers. Ousus Steel Factory has the knowledge and ability to match these needs through analysis with relevant design, custom fabrication and effective installation methods that ensures lasting solutions for green wall facades.

ASTM A1031/A1031M-12 BS EN 1993-1-5:2006





### **RUNG**

When strength, safety and weight are considerations in addition to corrosion resistance, self-cleaning and low maintenance benefits Ousus Steel Factory Rungs are the product of choice.

All styles have degrees of slip resistance to provide dependable footing indoors and out. If weather conditions involve rain, dust and mud, you might want to consider a more aggressive surface and a higher percentage of open area, so that the debris falls through. The ladder rungs from Ousus Steel Factory are designed with ultimate safety in mind. Various standard types guarantee sure footing and grip even under extreme working conditions.

ANSI A143-2008

### **RAILINGS**

Ousus Steel Factory Fabricates and Install stainless railing systems for residential, commercial and handicap accessible applications. Our railing systems include cable railing, handicap railing, stainless handrails and glass railing. Our stainless railing systems are easy to install, low maintenance and can be used for both indoor and outdoor railing applications.

ANSI/ASSE A1264.1-2007 BS 5395-2:1984







### WATER TANK LADDER

Our Stainless Steel Ladders are designed for use where ever safe and solid vertical climbing is needed. They are the perfect solution for any vertical access need, especially for applications involving more complex environmental conditions, such as aggres- sive gases or continuous moisture. These ladders are built to last with a brushed satin finish that looks good year after year! Applications range from roof access on buildings to dock equipment, fire escapes, mezzanine access, radio towers and antenna masts, bridge piers, high storage tanks, as well as providing safe access to machines and other equipment. We rigorously control the quality of workmanship. Only the highest grade stainless steel is used for the ladder, accessories and fastenings.

### TECHNICAL ROOMS / LOUVERS

For durability, corrosion resistance, tensile and shear strength, stainless steel louvers are a great choice. Stainless steel louvers are chosen often for their long lasting attractive appearance, perfect for building facades where louvers will be highly visible. Stainless steel also retains its strength at high temperatures, which can be a factor in extreme environments. Stainless steel has hygienic advantages, making it the right choice for louvers that might be used in clean room environments, in laboratories, and in pharmaceutical or food processing situations. Stainless steel louvers do not require painting, anodizing or other surface treatments. Stainless steel louvers are a great choice for harsh and corrosive environments. And while stainless steel is initially more costly than other materials, its low maintenance needs and long life expectancy can make it the most cost-effective over the long run.





3 units of louvered technical rooms



#### **STAINLESS STEEL FLUE PIPE**

Ousus recently supply 150 units of FLUE PIPE for a private residential project in Riyadh, The flue pipes for chimney in various height and size, designed and fabricated according to the guidelines stated by BS EN 1856-1:2009







### STAINLESS STEEL CHIMNEY OR FIRE PLACE DOOR

Ousus has been commissioned by a private developer to supply Elegant but fully functional Fire Place doors for a private residential project in Riyadh, workmanship for this stainless steel project complies with BS EN 1993 1 10 2005





Haramain Rail Way Station-Jeddah

### STAINLESS STEEL WALKWAYS ON ROOF

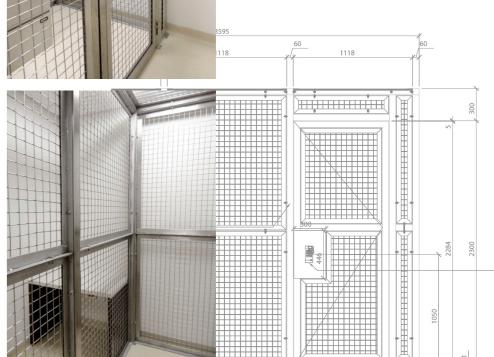
Design for 8,600 linear meters of walkways and 980 linear meters of edge capping providing solution for the stress load design, weathering solution, thermal expansion joints or movement joints capping, supply of special embossed pattern stainless steel checkered plates for anti slip





Drugs and Narcotics are categorized by law differently, these substances are regulated by the FDA (Federal Drug Administration) in pharmacy certain drugs and narcotics must be controlled and protected, the Ousus Steel Factory has the experience and expertise to understand and interpret the code to fabricate the regulated cage stated in the code of federal regulation 21 CFR Ch. II (4–1–11 Edition)







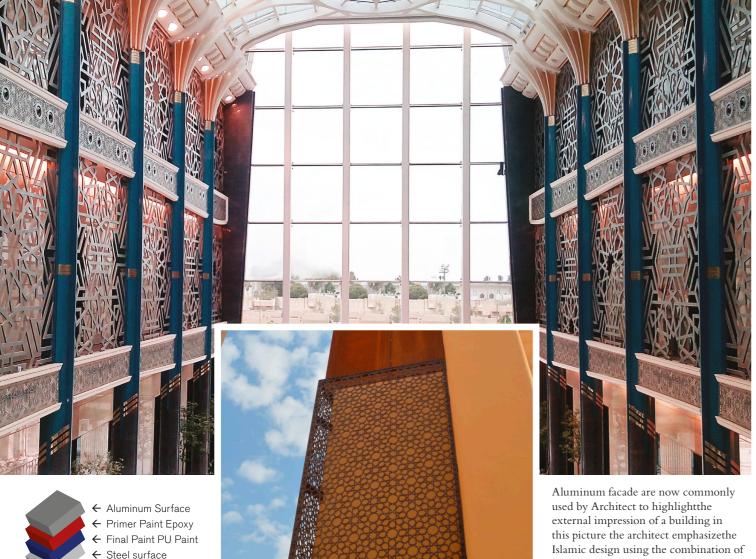
### **DECORATIVE** PANELS/ **MUSHRABIYA**

Aluminum composite panels and sheets are also inspiring in the interior sector as contemporary alternatives to create modern and attractive interior designs. Whether as kitchen interior design or for doors, ceilings or wall claddings in hotels, restaurants, conference rooms or individual houses, with vibrant colors and shapes Ousus Steel Factory offer impressive decorative solutions.

AA ADM 1967 - 2015 AWS D1.2/D1.2M:2014 BS 8118: PART 1: 1991



- 25mm thick aluminum panel expanding 3-7 meters in width and 4-5 meters in height
- with 8mm thick aluminum panel. 3-6 meters wide and 1 meter high



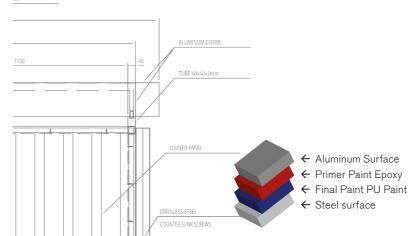


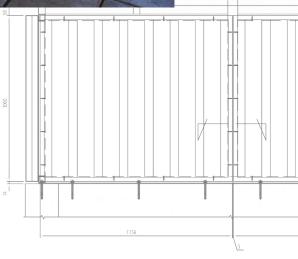


### **SANDTRAP LOUVERS**

Sand trap louvers are used for air intake as pre-filter for the protection of air conditioning plants. It has a high degree of separation of sand and large dust particles even in cases of high dust concentrations. The vertically arranged blades section and holes are for sand drainages to ensure that the sand trap louvers are self-cleaning and maintenance free. It is designed to separate large particles of sand and dust from the air stream at low air velocity, thus avoiding excessive dust loading of conventional filters; it is not intended as a substitute for conventional air filters

AA ADM 1967 - 2015







### **SHIP LADDER**

Ousus Steel Factory offers a special non standard height aluminum wall ladders custom fabricated to exact field measurements, these ladders have been thoroughly tested for strength, and are able to withstand a 1500 lbs. loading without failure. Individual treads are attached to side rails using 4 rivets rated at 1100 lbs. shear strength each, and have been tested to 3,000 lbs. without deformation. Additionally, all edges on the side rails and treads have been rounded to provide a more comfortable, powerful grip for the hands. Safety cages are required on most ladders in excess of 6 meter in length to a maximum unbroken length of 9 meters (plus rail extensions). Cages are also recommended for shorter ladders at high or hazardous locations. Ousus Steel Factory offers this item as well as landing platforms as required by regulatory bodies.









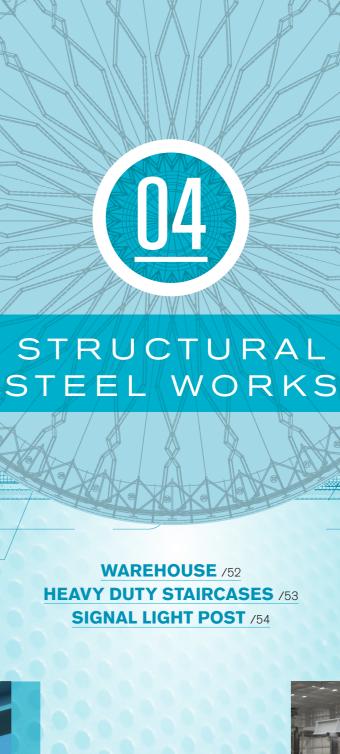
ANSI A143-2008 AA ADM 1967 - 2015

## **ALUMINUM PARTITION**











### **WAREHOUSE**

Ousus Steel factory design and construct nonstandard hangars of all sizes as well as cantilevered hangars which permit unlimited clear spans. We do the complete structural design and construction of each hangar and use only the highest quality of materials from steel, sheets and insulations even hot dip galvanized steel if required. With our specialist knowledge we can design hangars to withstand high wind speeds, seismic loads if necessary. We also offer as part of our service the ability to design our structures to accommodate the largest of overhead cranes and gantries, the ability to detail and install glazing and cladding systems complete with integrated personnel and vehicle access doors along with many other accessories in accordance with the client's individual requirements.









Warehouse | STRUCTURAL STEEL WORKS

- Four (4) sloped roof frames and truss
- Low slope metal roofs have been a preferred roof covering for commercial, institutional and industrial buildings for years because of their ability to protect against the elements, to allow water to drain away from the roof surface, and to keep building contents and occupants dry and comfortable

## **HEAVY DUTY STAIRCASES**





STRUCTURAL STEEL WORKS | Signal Light Post **OUSUS** PRODUCT CATALOGUE



### **SIGNAL LIGHT POST**

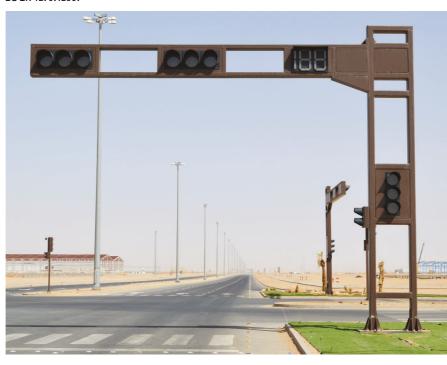
Ousus Steel Factory was contracted to design and fabricate a special type of MODON Industrial City traffic lights, its sturdy construction, corrosion resistance, easy installation, low maintenance and longer service life designed, it will withstand a wind speed of 150 km/h and even the most demanding environments, the entire range is manufactured using quality steel through bending, forming, welding, and hot dip galvanization if necessary and powder coating processes. Designed and checked as per quality and industry standards, these poles are also improved by implementing feedbacks of our clients. Offered at economical prices, these poles are used by road authorities as an indispensable part of their traffic management and town planning to keep automotive and pedestrian traffic safely flowing.

ANSI/AISC 360-05 BS EN 12767:2007



- ← Polyurethane paint ← Epoxy ← Shot Blasted

  - ← Steel surface



- Signal light post in all Main and minor roads
- Structurally sound certified
- Easy to install and remove features for maintenace





#### **WORK IN PROGRESS**

Swift installation procedures with minimum man power used



Precision Cut materials using the latest in Plasma and Laser cutting technology



Quality control inspection are performed during and after installation

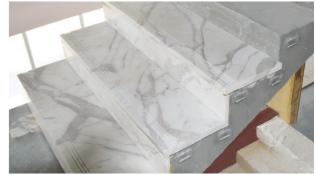


### **STEEL STAIR WITH MARBLE**

STEEL STAIR WITH MARBLE

Ousus Steel Factory Structural steel staircase are designed, calculated and certified to pass the regions standards for commercial or residential purpose of

A steel staircase is a set of steps in a built object whose supporting framework is built of steel, a very strong iron alloy with high carbon content. The tensile strength of steel makes it suitable for almost any stairway configuration, and it is one of the best materials for freestanding staircases, it is also useful for staircases that bridge a wide space without supporting columns in the middle.



ANSI/AISC 360-05

OUSUS





## **OUSUS STEEL FACTORY**

Had laid down various standard corrosion protection options to protect the quality of its works depending on the requirements/needs of the customer as follows:

- All Steel items are shot blasted in our premises according to Swedish Standard Sa 2-1/2.
- If galvanizing is required, then the customer has the following options:
- In house High Quality Arc Galvanizing according to German Standard DIN8565 with minimum thickness of 100 micro meter.
- Hot Dip Galvanizing according to ASTM 123
- For final coating, the customer has choice of in-house:
- High Quality Powder Coating
- High Quality Liquid Painting

## CORROSION PROTECTION OPTIONS



- ← Steel surface
- ← Shot blasted
- ← Galvanizing
- ← Primer coat
- ← Final coat













SUDAIR INDUSTRIAL CITY PLOT NO . 0162A00062 AREA = 27632.00 M2

