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INTRODUCTION

INTRODUCTION

ANGLOEAST pre-stressing cont. was established in 2005 as a leader in the design, and installation of post-tensioning systems. Over the past years, the Company has grown to become one of the foremost Companies and now **ANGLOEAST** is the exclusive agent for **TENSACCIAL S.R.L** post-tensioning certified and member of European **Organisation for Technical Assessment (EOTA)** which had been established since 1951 with long history of developing post tension and pre stressing concrete systems to be in 2015 formed from the merging and development of the three important companies (**TENSACCIAL S.R.L, TESIT AND TIS**) in all UAE in order to be leader for pre-stressing contracting companies, (*Al-majd pre-stressing cont.*) Is the sister company for **ANGLOEAST**, basically worked for Sharjah & north emirates projects.

since then has been completed several projects all over the UAE, **ANGLOEAST** has understood the economical advantages of this technology and its future acceptance by the commercial construction industry.

Our expert engineers & technicians have adapted a policy of delivering the projects safely, on schedule and with a latest technology. **ANGLOEAST** has maintained a high standard in execution, design and supplying of Post tension Materials. We don't compromise at any cost on our quality both execution wise or supplying wise. **ANGLOEAST** has an expert team of designers, engineers, certified technicians, a highly qualified production and installation workforce, who work in latest technology facilities and with continual improvement programs. is fully integrated. After a long research and survey, we experienced vast differences in the execution of post-tensioning and this is due to the result of the way it had been explained by different institute in local needs, standards, education and habits. It appears that the potential offered by post-tensioning is far from being exploited, especially in building structures. Too many building structures, for which Post-tensioning would provide a clearly superior solution, are conceived, designed and built as non pre-stressed. For too long, non pre-stressed and pre-stressed concrete have been treated as completely separate entities and hence, pre-stressing is not yet regarded as a familiar and desirable construction option by many developers, architects, engineers and contractors. Post-tensioning of elevated slabs is a construction process that requires experience, coordination, knowledge, and preparation. Post-tensioning in buildings is not limited to floor slabs.

Post-tensioning of foundations transfer beams and plates, post-tensioned masonry and the combination of pre-cast elements with cast-in-place concrete by means of post-tensioning offer other interesting opportunities. Choosing an experienced post-tensioning (P/T) material supplier and installer will help ensure a smooth construction process, but there is much more that contractors should know about the post tensioning process.

Delivering quality at every stage, all **ANGLOEAST** components are designed using the latest 3D parametric modeling.



QUALITY AND CERTIFICATIONS



رخصة تجارية Commercial License

تفاصيل الرخصة / License Details

| | | |
|------------------|---------------------------------|------------------|
| License No. | 575377 | رقم الرخصة |
| Company Name | ANGLO EAST POST TENSION (L.L.C) | اسم الشركة |
| Business Name | ANGLO EAST POST TENSION (L.L.C) | الإسم التجاري |
| License Category | Dep. of Economic Development | فئة الرخصة |
| Legal Type | Limited Liability Company(LLC) | الشكل القانوني |
| Expiry Date | 21/11/2025 | تاريخ الإصدار |
| D&B D-U-N-S ® No | 561530655 | رقم الرخصة الأم |
| Register No. | 77338 | عضوية الغرفة |
| | | Issue Date |
| | | 22/11/2005 |
| | | Main License No. |
| | | 575377 |
| | | DCCI No. |
| | | 102603 |

الاطراف / License Members

| Share / الحصص | Role / الصفة | Nationality / الجنسية | Name / الإسم | No./ رقم الشخص |
|---------------|----------------|-----------------------|------------------------------|----------------|
| | Manager / مدير | Syria / سوريا | سامر خطاب السليمان الظاهر | 653940 |
| | | | SAMER KHATTAB SULAIMAN ZAHER | |

نشاط الرخصة التجارية / License Activities

| | |
|----------------------------------|---|
| Prestressed Concrete Contracting | أعمال تنفيذ وتركيب الوحدات الانشائية مسبقة الشد |
| Building Contracting | مقاولات البناء |

العنوان / Address

| | | | | | |
|-----------|----------------|------------|-----------|-----------------------|-------------------|
| Phone No | 971-4-4312323 | تليفون | P.O. Box | 454648 | صندوق بريد |
| Fax No | 971-4-4312321 | فاكس | Parcel ID | 346-475 | رقم القطعة |
| Mobile No | 971-50-2491237 | هاتف متحرك | | daher_samer@yahoo.com | البريد الإلكتروني |

مكتب رقم 1304 ملك زيمر & رود ميدل ايست ش ذ م م - الخليج التجاري

الملاحظات / Remarks

مقاولات البناء (أرضي + أول). إصدار تراخيص المشاريع مرتبط بالاشتراطات الواردة في شهادة سجل الموازنة الفنية الصادرة من البلدية - الاطلاع على السجل من خلال الرابط: deqsmart.dm.gov.ae

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وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة الاقتصاد والسياحة في دبي. لمرآجة صحة البيانات الواردة في الرخصة يرجى منح رمز الاستجابة السريعة
This is a certified e-document issued without signature by the department of Economy and Tourism. Kindly scan the QR Code to verify the certificate



شهادة اعتماد نهائى
لنظام بناء جديد

رقم الإعتداع : 427940 - 2 - 1 تاريخ الإصدار : 07-Jun-2024 تاريخ الطباعة : 07-Jun-2024

اسم مقدم الطلب :
اسم الشركة /المكتب / انجلو ايست بوسيتيشين
المصنع :
اسم الشركة الأم : Tensacciai S.R.L
مقرها : إيطاليا
نوع الإعتداع : إعتداع نظام بناء جديد
أنظمة انشائية :
اسم النظام : نظام بلاطات خرسانية مسبقة الاجهاد لاحقة الشد
فرعي : خرسانة مسلحة لاحقة الشد
وصف النظام : تجديد اعتماد نظام بلاطات خرسانية مسبقة الاجهاد لاحقة الشد
شروط خاصة :

التقدم بتجديد اعتماد النظام لدى بلدية دبي قبل شهر من انتهائه
استخدام أسلاك شد من مصانع معتمدة من مختبر دبي المركزي
التزام الشركة المحلية باستخدام مواد نظام الشركة الأجنبية المتعاقد معها وفي حال مخالفة ذلك يعتبر الاعتماد لاغي
الالتزام بتطبيق متطلبات كود دبي للبناء والاشتراطات الإنشائية المعتمدة في الامارة -
- إن من مسؤولية المهندس الاستشاري في أي مشروع يستخدم فيه هذا النظام التأكد من مطابقة النظام لشروط هذا الاعتماد ومتطلبات الكودات
والاشتراطات الفنية المعتمدة في الامارة ومواصفات المشروع من حيث التصميم والمواد والتنفيذ.

شروط عامّة :

1. هذه الشهادة لا تجيز تنفيذ أية أعمال إلا بعد الحصول على ترخيص بناء لكل مشروع يستخدم هذا النظام عن طريق مكتب البلدية.
2. استخدام مواد معتمدة من مختبر دبي المركزي.
3. تطبيق المواصفات الموضحة بالكتالوج والمقدمة لبلدية دبي.
4. في حال القيام بأي تعديل على النظام يجب الحصول على موافقة بذلك والا يعتبر النظام لاغي بحكم القانون.
5. يعتبر النظام لاغي في حالة ظهور مشاكل فنية تخالف المعايير والمواصفات المعتمدة
6. هذا الاعتماد ساري المفعول لمدة سنة واحدة من تاريخ صدوره، خاضع للتجديد.



هاتف طوارئ البلدية: (2232323) (8004999).

رؤية إدارة المباني : مبانينا حلم العالم



Direction technique
infrastructures de transport et matériaux

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FRANCE

Mail: ete-dtecitm@cerema.fr
Tel: +33 160 523 131
web: www.cerema.fr



European Technical Assessment

ETA 08/0012
of 23/01/2017

| | |
|---|--|
| Technical Assessment Body issuing the ETA: | Cerema Direction technique infrastructures de transport et matériaux |
| Trade name of the construction product | TENSACCIAI post-tensioning system |
| Product family to which the construction product belongs | 16. Reinforcing and prestressing steel for concrete (and ancillaries). Post tensioning kits. |
| Manufacturer | TENSACCIAI Srl Via Pordenone, 8 20132 Milano (Italy) www.tensacciai.it |
| Manufacturing plant(s) | Via Buttrio, 36 33050 Pozzuolo del Friuli, Udine (Italy) |
| This European Technical Assessment contains | 70 pages including 47 Annex(es) which form an integral part of this assessment. |
| This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of | ETAG 013, edition june 20 02, used as European Assessment Document (EAD) |
| This ETA replaces | ETA 08/0012 version 2, issued on 26/09/2016 |



Chamber of Commerce of MILANO MONZA BRIANZA LODI

Italian Business Register - Company Registration Office

COMPANY REGISTRATION REPORT

TENSACCIAI S.R.L.



E3YNST

The QR Code can be used to check that this document corresponds to the original produced by InfoCamere on behalf of the Italian Chambers of Commerce and Industry on the date indicated at the bottom of this page and at the top of the following pages. The check may be performed with the App 'RI QR Code' or by visiting www.registroimprese.it

SHORT PROFILE

| | |
|------------------------------------|--|
| Legal form | Limited Liability Company (LLC) |
| Fiscal code | 07526120964 |
| VAT number | 07526120964 |
| Registered address | MILANO (MI) VIA PORDENONE 8 CAP 20132 |
| Registered e-mail address | tensacciaisrl@legalmail.it |
| REA number | MI-1964725 |
| Registration date | 27/07/2011 |
| Founding date | 25/07/2011 |
| Chairman of the board of directors | DE ECCHER RICCARDO <i>Company legal representative</i> |

ECONOMIC ACTIVITY

| | |
|---|---|
| Activity status | ACTIVE |
| Business starting date | 30/09/2011 |
| NACE code | 25.11 - Manufacture of metal structures and parts of structures |
| Enrollment in professional registers and quality certifications | - |
| SOA Certification to perform public works | yes |
| Quality certificates | yes |
| Environmental rolls and registers | - |

THE COMPANY IN FIGURES

| | |
|----------------------------|------------|
| Share capital | 100.000,00 |
| Employees as of 30/09/2017 | 70 |
| Shareholders | 2 |
| Governors | 3 |
| Company Officials | 6 |
| Branch offices | 9 |

ACTIVITIES & SERVICES

ACTIVITIES & SERVICES

Provided by **ANGLO EAST Pre-stressing Cont.**, the structural design & supply of PT materials & insulation is a part of **ANGLO EAST Pre-stressing Cont. post-tensioning system** and it had provided their services globally and for most iconic projects **ANGLO EAST** has a dedicated team of engineers and technicians are always available to help the customers to select the right equipments as per their requirements and also help them with any issue related to the product.

SERVICES

Elevated Structural Slabs & Beams

- Slabs-for buildings
- Mat Foundations
- Transfer Girders
- Value Engineering
- Jobsite Technical Assistance & Troubleshooting
- Design Assistance & Engineering Support
- Cost Analysis
- Expert Consulting



ADVANTAGES OF POST –TENSION SLABS



In Today's world the building industry is taking the next step in concrete technologies by using post-tension cables in slab construction. Post-tensioning is a method of strengthening concrete using high-strength steel strands or cables, typically referred to as tendons.

Slabs using the post-tension method can be built thinner, which can cut down on construction costs and curing time.

The advantages of PT slab are several and clear, as compared to pre-tensioning and they are as follows

- Post-tensioning is suitable for heavy cast-in place members.
- The waiting period in the casting bed is less.
- The transfer of pre-stress is independent of transmission length.

1. If we take as an example a car parking, we can see that, in the case of simply reinforced concrete slab, the structure is made of a forest of pillars, with floor thickness considerably high. In the case of post-tensioned slabs, structure is spacious and free, facilitating traffic movements and parking.

2. Floor thickness is also considerably reduced (up to 1,8 times, i.e. from 40 up to 25 cm) introducing a saving of weight, while spans reach 15 meters instead of common 7 / 8 meters.

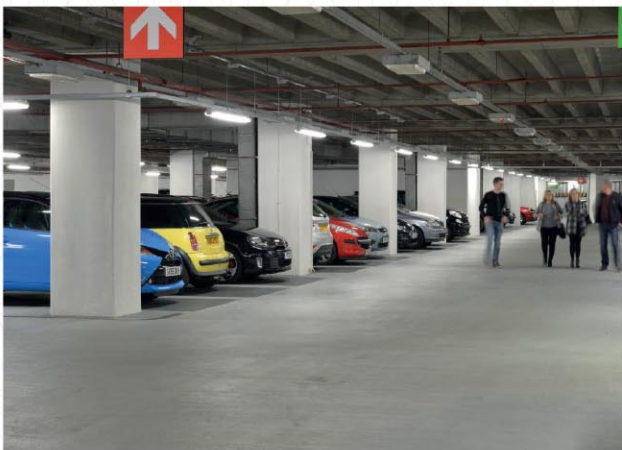
3. Slab post-tensioning enables deflections and cracks under service conditions to be kept under control. This is why, in fact, post-tensioning increases the concrete durability, due to the presence of concrete always under compression stresses.

4. The structural simplification, giving also an increase of free space, leads to an overall reduction of costs for buildings.

5. This also comes from the reduction of steel placed inside slab and time needed for construction.

6. Even installation equipment can be less, due to reduction of formworks through the application of fast cycling after stressing.

7. More economical structures resulting from the use of pre-stressing steels with a very high tensile strength instead of normal reinforcing steels.
8. Larger spans and greater slenderness. The latter results in reduced dead load, which also has a beneficial effect upon the columns and foundations and reduces the overall height of buildings or enables additional floors to be incorporated in buildings of a given height.
9. Under permanent load, very good behavior in respect of deflections and cracking.
10. Higher punching shear strength obtainable by appropriate layout of tendons. Considerable reduction in construction time as a result of earlier striking of formwork.

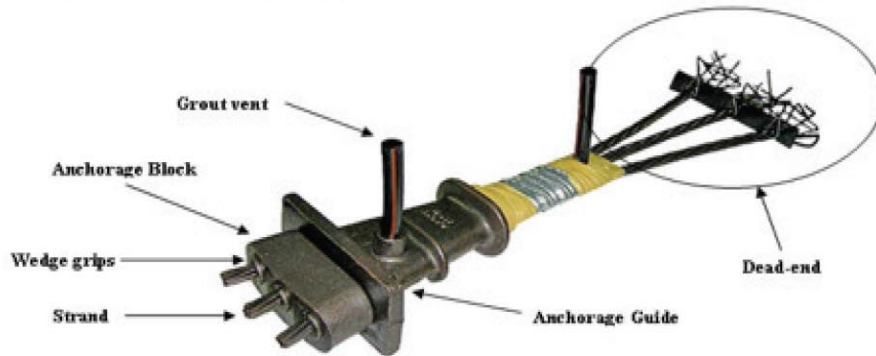




TYPICAL COMPONENTS



TYPICAL COMPONENTS



STRAND AND TENDON PROPERTIES

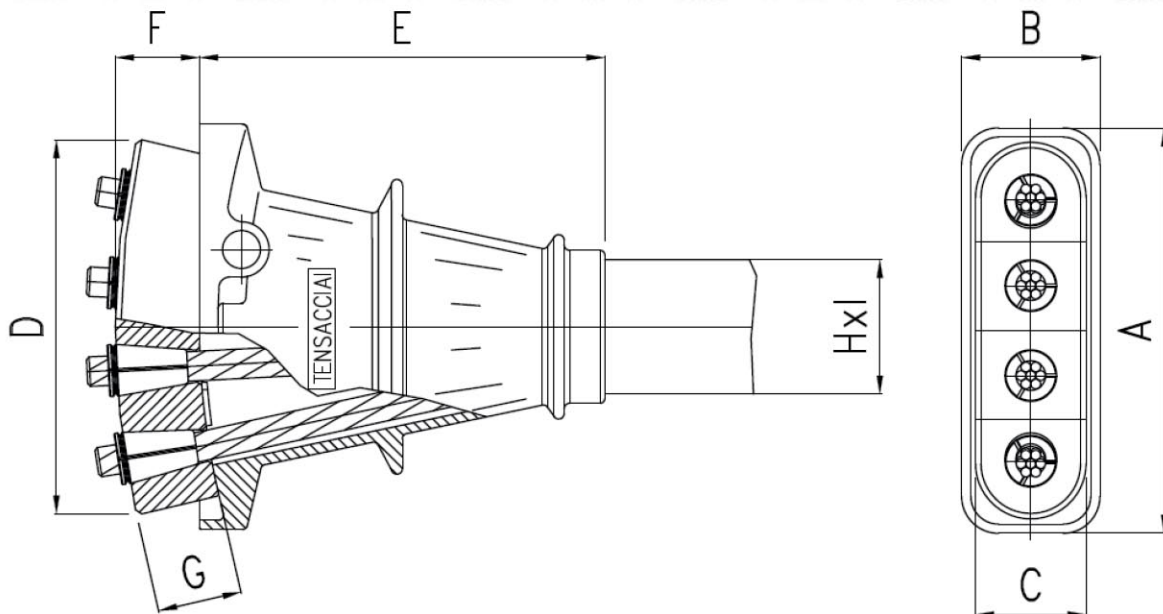
STRAND PROPERTIES (Nominal)

| DIAMETER mm | STEEL AREA mm ² | MASS Kg/m | ULTIMATE TENSILE STRENGTH kN | MODULUS OF ELASTICITY MPa |
|----------------|----------------------------|-----------|------------------------------------|------------------------------|
| 12.7 | 100 | 0.786 | 184 | 190-205 x 10 ³ |
| 15.2 | 143 | 1.125 | 250 | 190-205 x 10 ³ |

TENDON PROPERTIES (Nominal)

| STRAND Diameter | NUMBER OF STRANDS | ULTIMATE TENSILE STRENGTH kN | WEIGHT PER METRE | STRAND AREA | DUCT SIZE |
|--------------------|----------------------|---------------------------------|---------------------|----------------|-----------|
| 12.7 mm | 1 | 10.4 | 0.79 | 100 | 50 x 19 |
| | 2 | 360 | 1.50 | 200 | 50 x 19 |
| | 3 | 552 | 2.37 | 300 | 50 x 19 |
| | 4 | 736 | 3.16 | 400 | 70 x 19 |
| | 5 | 920 | 3.95 | 500 | 70 x 19 |
| 15.2 mm | 3 | 750 | 3.39 | 430 | 70 x 19 |
| | 4 | 1000 | 4.52 | 573 | 70 x 19 |
| | 5 | 1250 | 5.65 | 716 | 90 19 |

PTS system
(suitable for strand 12.7mm diam.)



| PTS13 (for 12.7mm strands) system size | 3 | 5 |
|---|---------|---------|
| A | 127 | 200 |
| B | 65 | 65 |
| C | 50 | 50 |
| D | 114 | 190 |
| E | 113 | 154 |
| F | 46.2 | 50.2 |
| G | 44.4 | 44.3 |
| H x I (int) metal duct [mm] | 45 / 21 | 75 / 21 |

INTRODUCTION

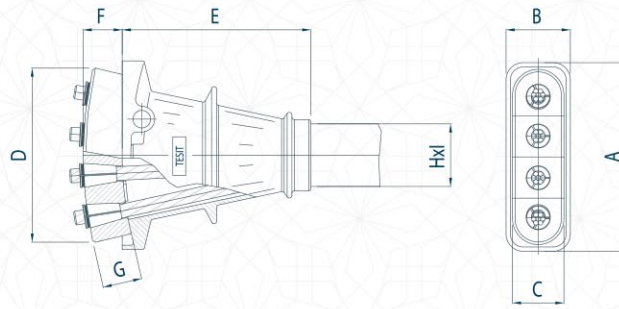
Post-tensioning flat slab anchorage offers a cost-effective and efficient solution for tensioning in the construction industry.

We stock and supply a wide variety of flat anchorage components to suit 13mm (0.5"), 15mm (0.6") and 15.7mm (0.62") strand diameters, catering for up to five strands.

TECHNICAL DATA

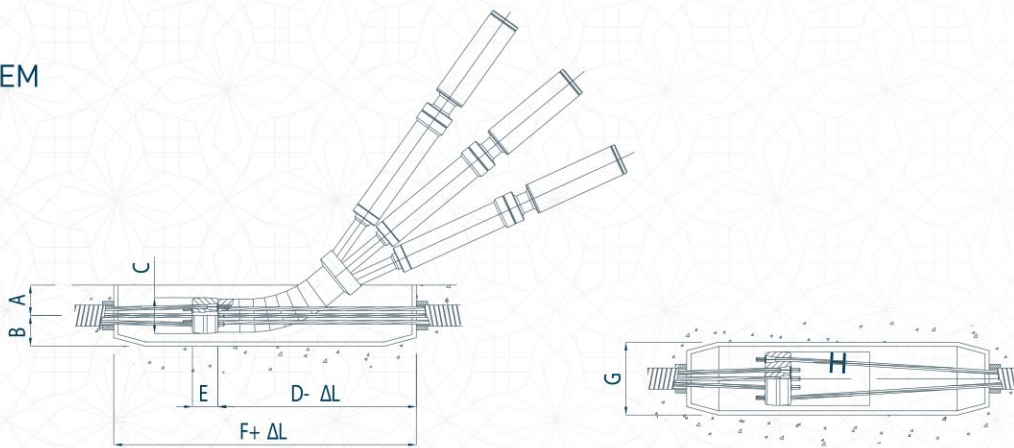
Our flat slab anchor is manufactured from grey iron and meets the AS1830 Australian standard. The wedge block is manufactured from ductile iron and complies with the AS1831 Australian Standard. Our anchorage products are closely monitored by our quality system and material test certificates can be supplied on request for each and every delivery.

PTS SYSTEM



| PTS SYSTEM SIZE | 13 - 3 (3 strands 12.7 mm) | 15 - 3 (3 strands 15.2 mm) | 13 - 4 (4 strands 12.7 mm) | 15 - 4 (4 strands 15.2 mm) | 15 - 5 (5 strands 12.7 mm) | 15 - 5 (5 strands 15.2 mm) |
|-----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| A [mm] | 170 | 170 | 220 | 220 | 220 | 265 |
| B [mm] | 75 | 75 | 75 | 75 | 75 | 75 |
| C [mm] | 50 | 60 | 50 | 60 | 50 | 60 |
| D [mm] | 125 | 155 | 160 | 205 | 200 | 250 |
| E [mm] | 190 | 190 | 220 | 220 | 220 | 270 |
| F [mm] | 45 | 45 | 45 | 45 | 45 | 45 |
| G [mm] | 45 | 45 | 45 | 45 | 45 | 45 |
| H [mm] | 72 | 72 | 72 | 72 | 72 | 92 |
| I [mm] | 20 | 20 | 20 | 20 | 20 | 22 |

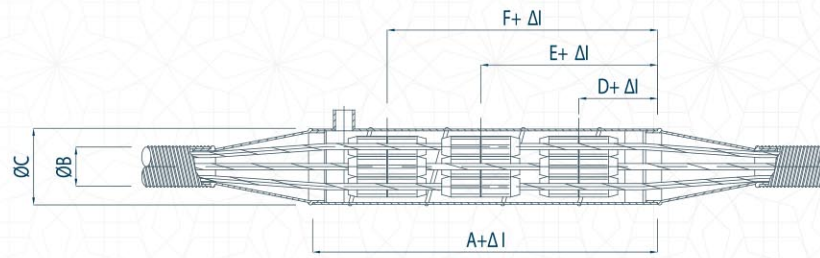
DF SYSTEM



| DF SYSTEM SIZE | 2 | 4 | 6 | 8 | 12 |
|----------------|-----|-----|-----|-----|------|
| A [mm] | 85 | 90 | 110 | 115 | 120 |
| B [mm] | 55 | 60 | 80 | 85 | 90 |
| C [mm] | 90 | 100 | 140 | 150 | 160 |
| D [mm] | 100 | 160 | 230 | 320 | 400 |
| E [mm] | 70 | 80 | 100 | 130 | 160 |
| F [mm] | 560 | 710 | 860 | 950 | 1200 |
| G [mm] | 170 | 200 | 240 | 300 | 330 |
| H [mm] | 140 | 170 | 210 | 270 | 300 |

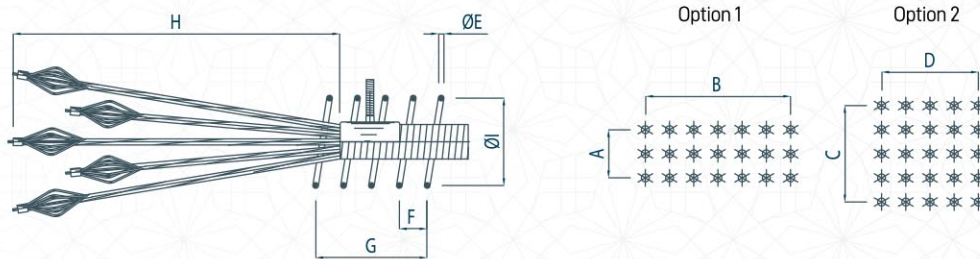
Additional sizes available on request.

CU COUPLING SYSTEM



| CU SYSTEM SIZE | 4T15 | 7T15 | 9T15 | 12T15 | 15T15 | 19T15 | 22T15 | 27T15 |
|----------------|-------|-------|-------|-------|-------|--------|---------|---------|
| A [mm] | 675 | 800 | 950 | 1250 | 1250 | 1300 | 1385 | 1700 |
| B [mm] | 50/45 | 67/62 | 77/72 | 85/80 | 90/85 | 100/95 | 105/100 | 115/110 |
| C [mm] | 140 | 159 | 177 | 193 | 193 | 193 | 219 | 244 |
| D [mm] | 300 | 340 | 400 | 400 | 400 | 400 | 400 | 400 |
| E [mm] | - | - | 800 | 800 | 800 | 800 | 800 | 600 |
| F [mm] | - | - | - | 1200 | 1200 | 1200 | 1800 | 1400 |

ST DEAD END SYSTEM



| ST SYSTEM SIZE | 4 | 7 | 9 | 12 | 15 | 19 |
|----------------|-----|-----|-----|-----|-----|-----|
| A [mm] | - | 80 | - | 80 | - | - |
| B [mm] | 210 | 240 | - | 400 | - | - |
| C [mm] | 80 | - | 160 | 160 | 160 | 240 |
| D [mm] | 80 | - | 160 | 160 | 160 | 240 |
| E [mm] | 10 | 10 | 12 | 14 | 14 | 14 |
| F [mm] | 50 | 50 | 60 | 60 | 60 | 60 |
| G [mm] | 250 | 350 | 400 | 400 | 400 | 400 |
| H [mm] | 800 | 800 | 800 | 800 | 800 | 900 |
| I [mm] | 100 | 100 | 150 | 150 | 150 | 220 |

STEEL STRAND

Post tensioning tendons are usually made of strands with a 15.7 mm (0.62") or 15.2 mm (0.6") diameter.

Tendons can also be made of 12.7 mm (0.5") diameter strands: this system is less used but remains available in TENSA's product range.

Dimensions and properties of 7-wire strands according to prEN 10138-3 ⁽¹⁾

| STEEL DESIGNATION | Y1860S7 | Y1860S7 |
|--|------------------------|---------|
| Tensile strength $R_m (f_{pk})$ [MPa] | 1860 | 1860 |
| Diameter D [mm] | 15.7 | 15.2 |
| Cross sectional area $S_n (A_p)$ [mm ²] | 150 | 139 |
| Mass M [g/m] | 1172 | 1086 |
| Permitted deviation on nominal mass [%] | - | ±2 |
| Characteristic value of maximum force $F_m (F_{pk})$ [kN] | 279 | 259 |
| Maximum value of maximum force F_{m-max} [kN] | 329 | 306 |
| Characteristic value of 0.1% proof force $F_{p0.1} (F_{p0.1k})$ [kN] | 246 | 228 |
| Minimum elongation at maximum force $A_{gt} (L_{0 \geq})$ [%] | 3.5 | 3.5 |
| Relaxation after 1000 hours | at 0.7 $F_m^{(2)}$ [%] | 2.5 |
| | at 0.8 $F_m^{(3)}$ [%] | 4.5 |
| Modulus of elasticity E [MPa] | 195000 | 195000 |

(Notations according to prEN 10138-3, in rounded brackets to ETAG013 where possible)

Other types of strands are available on request, according to main international standards.

(1) Until prEN 10138-3 remains a draft norm, standards and regulations valid at the place of installation can be used.

(2) The requirement for 70% F_m is mandatory.

(3) Values for 80% F_m may be agreed between supplier and purchaser.

MULTI STRAND POST TENSIONING SYSTEMS

Multi-strands systems are provided with a wide range of anchorages and solutions for different construction needs.

They can be used in concrete and composite structures, both for new constructions and the rehabilitation of existing structures where an increase in resistance is required.

INTERNAL MTAI LIVE ANCHORAGE

The live anchorage MTAI is the most used and widely spread type of anchorage, whose compact geometry and reduced deviation angle provides a competitive advantage in all project applications, combined with high performance standards and ease of installation. It can be also used in the unbonded MTAIU version, where single sheathed strands are used.



INTERNAL MTAIM DEAD ANCHORAGE

It is a non-accessible (dead) anchorage which is used in case accessibility during the stressing phases is not allowed. In such a case strands are placed before pouring the concrete of the structure.



MTG COUPLER ANCHORAGE

MTG system is the type of anchorage suitable for the coupling of tendons.

It is fully integrated with the MTAI system and allows installation of a secondary tendon after the primary one has been completely installed.



MTAID ELECTRICALLY INSULATED ANCHORAGE

MTAID anchorage for electrically insulated post tensioning is designed to meet the demand for a total and permanent protection of post tensioning tendons from corrosive agents. This protection is granted by the tendon's complete envelopment, which is made of:

- MTAID anchorage with anchor plate separated from the cast-iron block by means of rigid dielectric disks, plastic connectors positioned inside the cast-iron block and connected to the corrugated ducts by means of tight joint seals:
- full covering plastic protection cap
- plastic ducts in the free length

The electrically insulated post tensioning system offers measurable advantages:

- electrical insulation of the cable from the surrounding environment and consequent protection against corrosion caused by electrochemical phenomena, oxidation and chlorides attack;
- possibility of controlling the protection's integrity through electrical resistance measures during the structure's life - time.

This system has been widely used and tested in the world's largest full scale application of its kind, the 4.3 km long Piacenza viaduct (Italy).

This system is in compliance with class PL3- requirements of PTI/ASBI M12-50.3 "Guide Specification for Grouted Post-tensioning".



MTRN ADJUSTABLE ANCHORAGE

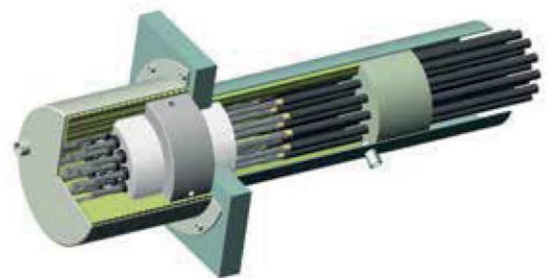
This anchorage has the great advantage of allowing the adjustment to force at any time, depending on the structure's behaviour and the project's construction requirements.

It also gives the possibility of monitoring loads, especially in the first period after the installation of cables, when either the strands relaxation or the viscous effects of concrete can affect the acting forces.

MTRN anchorages are made of a threaded anchorage with a nut, all protected with a cap filled with grease.

The load adjustment operation is carried out with a special ring jack, especially designed for these applications.

This system can be also provided in a fully replaceable version and also with a monitoring system, with load cells and data recording system.



INTERNAL PTS FLAT ANCHORAGE

Bonded post tensioning of slabs or thin walls can be performed with the use of flat anchorages PTS, whose range is from 2 up to 5 strands, whose special shape requires reduced space for installation.

It can be used both with corrugated metal sheath and plastic ducts.



DF ANNULAR ANCHORAGE

Special rectangular anchorages are used for ring and intermediate post tensioning: these anchorages also use a special deviator for tensioning with mono-strand jacks.



CU COUPLING SYSTEM

Single strand CU couplers are used to connect tendons built in different stages. Connection is made with single strand CU couplers, to be placed in different layers enabling a compact shape.



ST ANCHORAGE

It is used as a dead end anchorage, done by creating a bulb end on each of the strands composing the tendon.



EXTERNAL MTAIE ANCHORAGE

This anchorage can be used in external tendons and comes in different versions, such as:

- fully dismantlable (MTAIE), through the presence of an inner steel cone that separates strands and inner protective injection from the surrounding elements in the anchorage zone;
- restressable (MTAIER) by means of a special long protection cap and the use of greased and coated strands;
- not exchangeable (MTAIEEX).



City Center Interchange, Muscat (Oman)

MAIN FEATURES OF MULTI STRAND TENDONS

STRAND DIAMETER 15.7 mm

NOMINAL CROSS SECTION AREA 150mm²

NOMINAL MASS 1172 g/m

CHARACTERISTIC TENSILE STRENGTH $F_{PK} = 1860$ MPa

| STRAND NO. | 4 | 7 | 9 | 12 | 15 | 19 | 22 | 27 | 31 | 37 |
|---|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Nominal cross section area of steel A_p [mm ²] | 600 | 1050 | 1350 | 1800 | 2250 | 2850 | 3300 | 4050 | 4650 | 5550 |
| Nominal mass of steel [kg/m] | 4.69 | 8.20 | 10.55 | 14.06 | 17.58 | 22.27 | 25.78 | 31.64 | 36.33 | 43.36 |
| Characteristic ultimate resisting force of tendon F_{PK} [kN] | 1116 | 1953 | 2511 | 3348 | 4185 | 5301 | 6138 | 7533 | 8649 | 10323 |

STRAND DIAMETER 15.2 mm

NOMINAL CROSS SECTION AREA 139mm²

NOMINAL MASS 1086 g/m

CHARACTERISTIC TENSILE STRENGTH $F_{PK} = 1860$ MPa

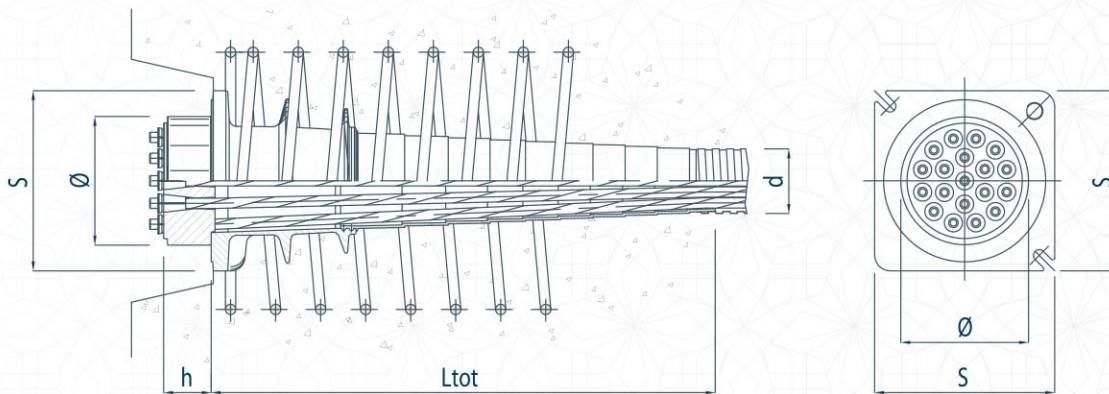
| STRAND NO. | 4 | 7 | 9 | 12 | 15 | 19 | 22 | 27 | 31 | 37 |
|---|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Nominal cross section area of steel A_p [mm ²] | 556 | 973 | 1251 | 1668 | 2085 | 2641 | 3058 | 3753 | 4309 | 5143 |
| Nominal mass of steel [kg/m] | 4.34 | 7.60 | 9.77 | 13.03 | 16.29 | 20.63 | 23.89 | 29.32 | 33.66 | 40.18 |
| Characteristic ultimate resisting force of tendon F_{PK} [kN] | 1036 | 1813 | 2331 | 3108 | 3885 | 4921 | 5698 | 6993 | 8029 | 9583 |

Steel strand properties according to prEN3-10138. Systems can also be used with strands in accordance with ASTM A416.

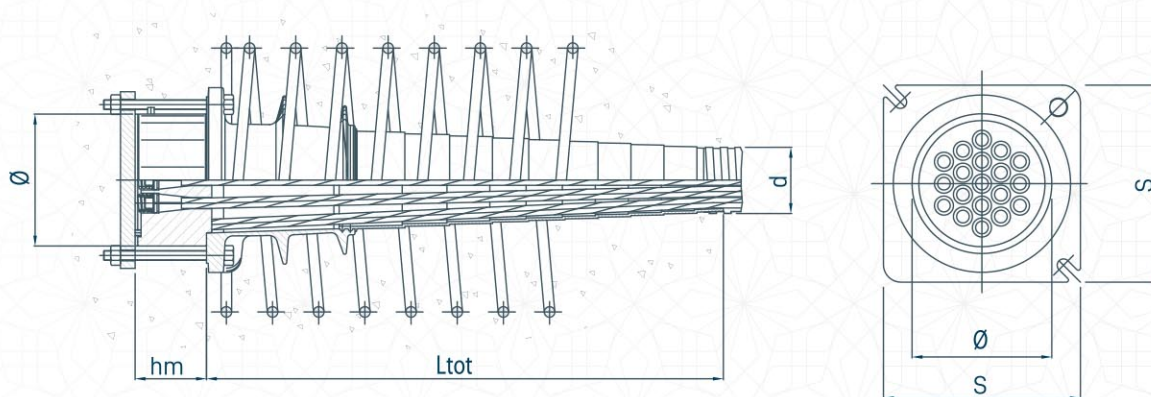
The maximum pre-stressing force to be applied on the tendon is specified in the national standards and regulations in force in the place of use.

MULTI STRAND POST TENSIONING SYSTEMS

MTAI SYSTEM



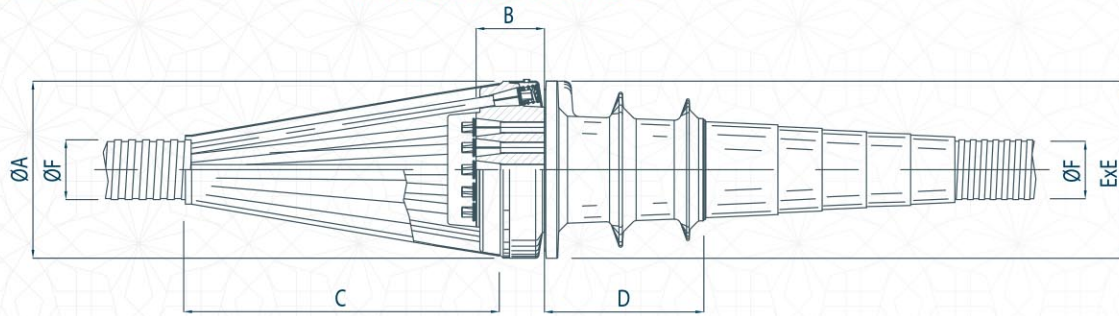
MTAIM SYSTEM



| MTAI/MTAIM SYSTEM SIZE | 4 | 7 | 9 | 12 | 15 | 19 | 22 | 27 | 31 | 37 |
|------------------------|-------|-------|-------|-------|-------|--------|---------|---------|---------|---------|
| Ltot [mm] | 475 | 531 | 688 | 708 | 736 | 783 | 823 | 848 | 1009 | 1107 |
| S [mm] | 150 | 180 | 200 | 220 | 250 | 280 | 300 | 325 | 350 | 400 |
| Ø [mm] | 105 | 125 | 146 | 160 | 176 | 200 | 230 | 250 | 270 | 280 |
| h [mm] | 45 | 49 | 52 | 62 | 69 | 74 | 80 | 87 | 91 | 96 |
| hm [mm] | 77 | 84 | 84 | 92 | 98 | 106 | 110 | 115 | 122 | 131 |
| d (int/ext) [mm]* | 50/45 | 67/62 | 77/72 | 85/80 | 90/85 | 100/95 | 105/100 | 115/110 | 120/115 | 135/130 |

* = in case of use of metal sheath ducts

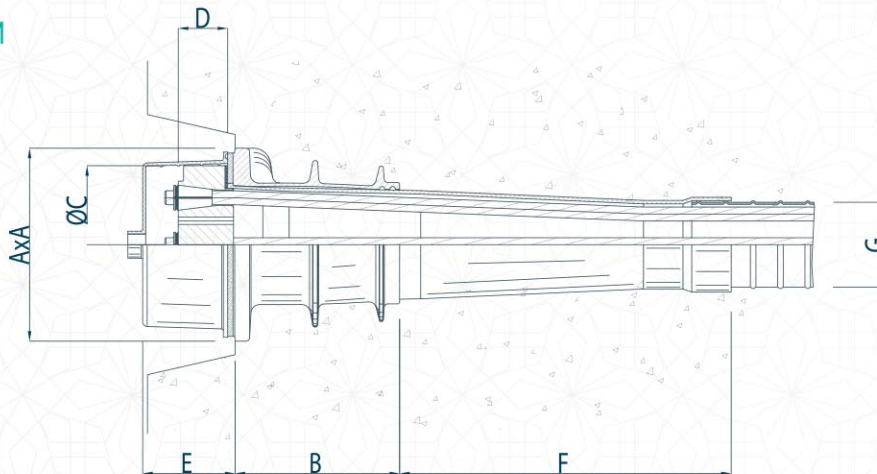
MTG COUPLER SYSTEM



| MTG SYSTEM SIZE | 4 | 7 | 9 | 12 | 15 | 19 | 22 | 27 | 31 | 37 |
|-------------------|-------|-------|-------|-------|-------|--------|---------|---------|---------|---------|
| A [mm] | 185 | 215 | 230 | 248 | 265 | 280 | 340 | 340 | 390 | 430 |
| B [mm] | 110 | 110 | 110 | 110 | 115 | 125 | 130 | 140 | 140 | 150 |
| C [mm] | 330 | 380 | 400 | 430 | 460 | 460 | 600 | 600 | 730 | 815 |
| D [mm] | 100 | 120 | 180 | 190 | 208 | 225 | 240 | 250 | 300 | 360 |
| E [mm] | 150 | 180 | 200 | 220 | 250 | 280 | 300 | 325 | 370 | 400 |
| F (int/ext) [mm]* | 50/45 | 67/62 | 77/72 | 85/80 | 90/85 | 100/95 | 105/100 | 115/110 | 120/115 | 135/130 |

* = in case of use of metal sheath ducts

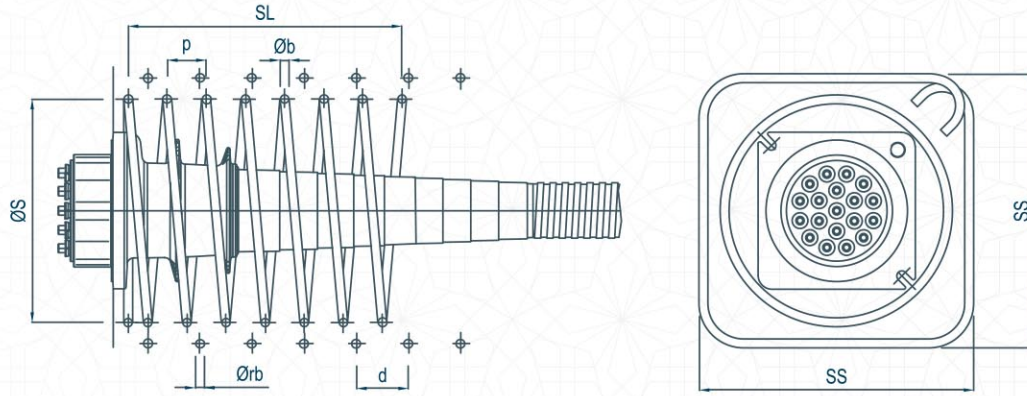
MTAID SYSTEM



| MTAID SYSTEM SIZE | 4 | 7 | 9 | 12 | 15 | 19 | 22 | 27 | 31 | 37 |
|-------------------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|
| A [mm] | 150 | 180 | 200 | 220 | 250 | 280 | 300 | 325 | 350 | 400 |
| B [mm] | 100 | 120 | 180 | 190 | 208 | 225 | 240 | 250 | 300 | 360 |
| C [mm] | 110 | 135 | 160 | 180 | 200 | 220 | 250 | 270 | 285 | 305 |
| D [mm] | 45 | 49 | 52 | 62 | 69 | 74 | 80 | 87 | 91 | 96 |
| E [mm] | 90 | 90 | 90 | 90 | 95 | 100 | 110 | 115 | 125 | 135 |
| F [mm] | 390 | 565 | 500 | 505 | 382 | 560 | 490 | 615 | 610 | 795 |
| G (int/ext) [mm]* | 73/48 | 74/59 | 91/76 | 100/85 | 116/100 | 116/100 | 134/115 | 134/115 | 150/130 | 150/130 |

* = only with plastic ducts

CONFINEMENT AND BURSTING (ADDITIONAL) REINFORCEMENT

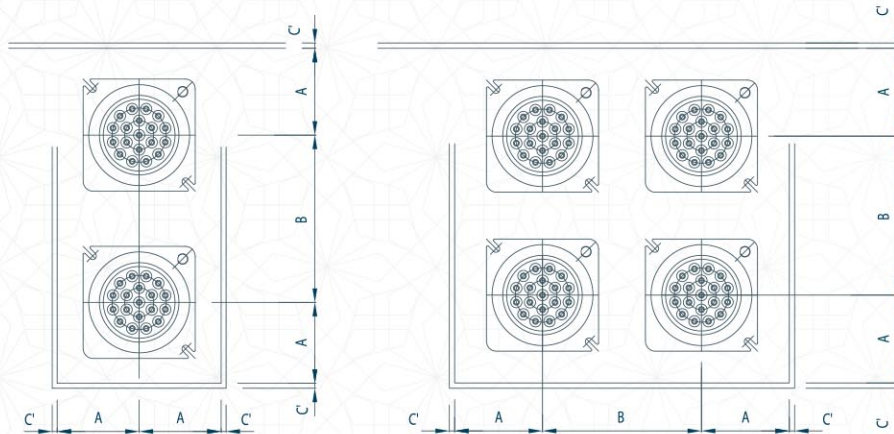


| MTAI SYSTEM SIZE | 4 | | | 7 | | | 9 | | | 12 | | | 15 | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Concrete strength f_{cm-cyl} [MPa] | 25 | 33 | 45 | 25 | 33 | 45 | 25 | 33 | 45 | 25 | 33 | 45 | 25 | 33 | 45 |
| ϕ_s [mm] | 200 | 170 | 150 | 250 | 210 | 180 | 290 | 260 | 230 | 340 | 310 | 280 | 380 | 350 | 315 |
| ϕ_b [mm] | | 10 | | | 12 | | | 12 | | | 14 | | | 14 | |
| SL [mm] | 250 | 225 | 200 | 360 | 300 | 270 | 420 | 360 | 330 | 480 | 420 | 360 | 510 | 450 | 420 |
| p [mm] | | 50 | | | 60 | | | 60 | | | 60 | | | 60 | |
| No. of turns | 5 | 4.5 | 4.5 | 6 | 5 | 4.5 | 7 | 6 | 5.5 | 8 | 7 | 6 | 8.5 | 7.5 | 7 |
| ϕ_{rb} [mm]* | | 8 | | | 10 | | | 10 | | | 10 | | | 12 | |
| d [mm]* | | 50 | | | 55 | | | 55 | | | 55 | | | 60 | |
| SS [mm]* | 230 | 180 | 170 | 310 | 260 | 230 | 380 | 320 | 280 | 440 | 360 | 320 | 490 | 420 | 360 |
| No. of stirrups* | 4 | 4 | 4 | 6 | 6 | 5 | 6 | 6 | 6 | 7 | 6 | 6 | 9 | 8 | 8 |

| MTAI SYSTEM SIZE | 19 | | | 22 | | | 27 | | | 31 | | | 37 | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------|
| Concrete strength f_{cm-cyl} [MPa] | 25 | 33 | 45 | 25 | 33 | 45 | 25 | 33 | 45 | 25 | 33 | 45 | 25 | 33 | 45 |
| ϕ_s [mm] | 410 | 380 | 360 | 470 | 430 | 400 | 500 | 470 | 440 | 540 | 500 | 470 | 560 | 530 | 500 |
| ϕ_b [mm] | | 16 | | | 16 | | | 20 | | | 20 | | | 20 | |
| SL [mm] | 570 | 510 | 450 | 660 | 540 | 480 | 720 | 600 | 540 | 750 | 630 | 570 | 780 | 720 | 630 |
| p [mm] | | 60 | | | 60 | | | 60 | | | 60 | | | 60 | |
| No. of turns | 9.5 | 8.5 | 7.5 | 11 | 9 | 8 | 12 | 10 | 9 | 12.5 | 10.5 | 9.5 | 13 | 12 | 10.5 |
| ϕ_{rb} [mm]* | | 12 | | | 12 | | | 14 | | | 14 | | | 16 | |
| d [mm]* | | 60 | | | 60 | | | 65 | | | 65 | | | 65 | |
| SS [mm]* | 540 | 460 | 410 | 610 | 500 | 450 | 680 | 580 | 490 | 720 | 600 | 530 | 800 | 680 | 600 |
| No. of stirrups* | 9 | 9 | 8 | 9 | 9 | 8 | 11 | 11 | 10 | 11 | 11 | 10 | 14 | 13 | 13 |

* = suggested bursting (additional) reinforcement in the anchorage zone to be verified by the Designer in accordance with Regulations in force at the place of use

CENTRE AND EDGE DISTANCE



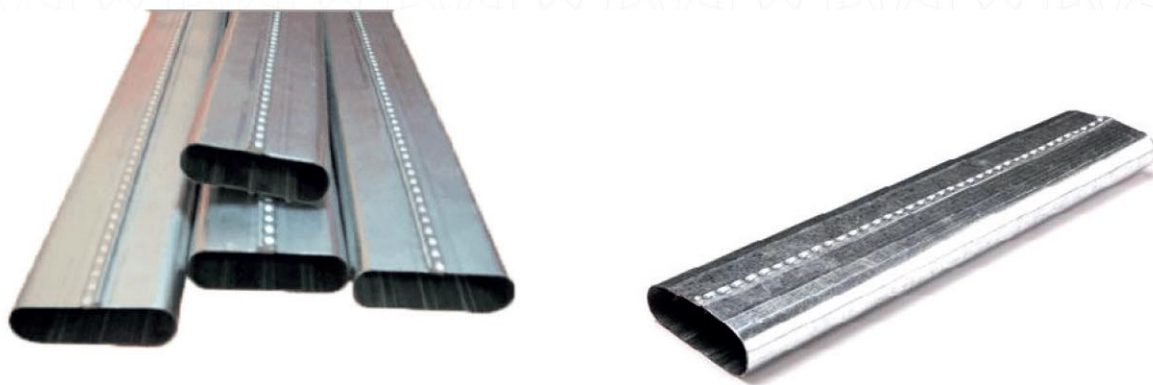
C' – concrete cover in accordance with European Standard

EN 1-1-1992 and national regulations valid at the place of use

| MTAI SYSTEM SIZE | 4 | 7 | 9 | 12 | 15 | 19 | 22 | 27 | 31 | 37 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Minimum edge distance (A) [mm] not including cover | | | | | | | | | | |
| $f_{cm,0 - cyl} = 25 \text{ MPa}$ | 125 | 165 | 190 | 220 | 250 | 280 | 305 | 340 | 365 | 410 |
| $f_{cm,0 - cyl} = 33 \text{ MPa}$ | 110 | 145 | 165 | 195 | 220 | 245 | 265 | 300 | 325 | 360 |
| $f_{cm,0 - cyl} = 45 \text{ MPa}$ | 95 | 130 | 144 | 170 | 190 | 215 | 230 | 260 | 280 | 310 |
| Minimum centre distance (B) [mm] | | | | | | | | | | |
| $f_{cm,0 - cyl} = 25 \text{ MPa}$ | 270 | 355 | 400 | 465 | 520 | 580 | 630 | 700 | 755 | 840 |
| $f_{cm,0 - cyl} = 33 \text{ MPa}$ | 240 | 315 | 355 | 410 | 460 | 515 | 555 | 620 | 670 | 740 |
| $f_{cm,0 - cyl} = 45 \text{ MPa}$ | 210 | 280 | 315 | 360 | 405 | 450 | 485 | 540 | 585 | 640 |

Types of Ducts in PT Slabs

Ducts are available in different materials for different applications and types of tendons. Originally duct was considered primarily as a means of forming a void through the concrete for the tendon and little attention was paid to the possible role of the duct as a barrier to corrosive agents. Largely as a consequence of finding voids in grouted tendons, more emphasis is now placed on the quality, integrity and continuity of the duct as a corrosion barrier in itself. This has resulted in a move toward the use of high density plastic ducts in some states. Nevertheless, previous duct materials are still available and their use continues in other regions. Consequently, the following recommendations should be adapted as appropriate to meet local needs and conditions.



Duct Size

The nominal internal cross sectional area of duct 2.50 times for tendons installed by the pull through method.



EQUIPMENT



EQUIPMENT

10T Mono Jack

- Designed for initialing in the prestressing industry or rock/cable bolting in the mining industry.
- Very light weight, able to be used overhead.
- Can be fitted with flat or solid noses.
- Suits 5, 7, 9.6, 12.7 & 15.2 strand.
- Vertical port orientation

17T Mono Jack

- Designed for initialing in the prestressing industry.
- Has the capability to achieve full tension on 12.7 (0.5") strand.
- Light weight steel design.
- Can be fitted with flat or solid noses.
- Suits 5, 7, 9.6, 12.7 & 15.2 strand.

25T Mono Jack

- Wide range of stroke and wire options.
- Heavy duty construction.
- Anti rotation standard on 0025-18 & 0025-24 models.
- Can be fitted with flat, spring loaded or hydraulic noses.
- Suits 5, 7, 9.6, 12.7, 15.2 & 15.7 strand.

27T Mono Jack

- Lightweight, compact design
- Lower operating pressure to increase pump life

30T Mono Jack

- Higher capacity to meet industry requirements.
- Compact and robust design.
- Can be fitted with flat, spring loaded or hydraulic noses.
- Suits 5, 7, 9.6, 12.7, 15.2 & 15.7 strand.



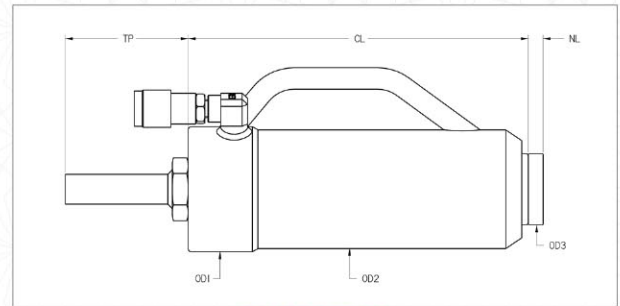
Custom Options

- Anti rotation
- Vertical port orientation

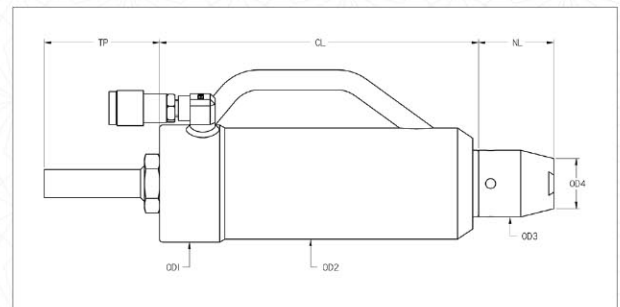
SPECIFICATIONS CONT.

| Part No. | Stroke (mm) | Pressure (bar) | Eff. Area (cm ²) | Force (T) | OD1 (mm) | OD2 (mm) | CL (mm) | TP (mm) | W (kg) |
|-------------------|-------------|----------------|------------------------------|-----------|----------|----------|---------|---------|--------|
| MPT-CH-0010-06-DA | 152 | 620 | 18.14 | 11.5 | 80 | - | 247 | 55 | 7.0 |
| MPT-CH-0017-08-DA | 200 | 690 | 24.98 | 17.6 | 88 | - | 315 | 87 | 10.7 |
| MPT-CH-0025-06-DA | 148 | 690 | 33.25 | 23.4 | 117 | 111 | 262 | 114 | 15.6 |
| MPT-CH-0025-08-DA | 196 | 690 | 33.25 | 23.4 | 117 | 111 | 318 | 115 | 18.5 |
| MPT-CH-0025-12-DA | 300 | 690 | 33.25 | 23.4 | 117 | 111 | 414 | 112 | 23.6 |
| MPT-CH-0025-18-DA | 488 | 690 | 33.25 | 23.4 | 117 | 111 | 605 | 142 | 35.3 |
| MPT-CH-0025-24-DA | 607 | 690 | 33.25 | 23.4 | 117 | 111 | 724 | 144 | 41.6 |
| MPT-CH-0027-06-DA | 146 | 620 | 43.72 | 27.6 | 121 | - | 276 | 115 | 17.9 |
| MPT-CH-0030-08-DA | 200 | 690 | 43.72 | 30.8 | 130 | 124 | 326 | 115 | 22.9 |

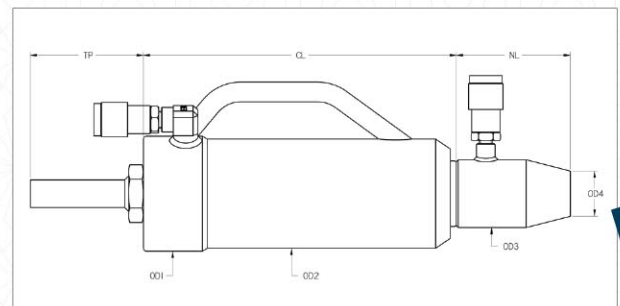
| Nose | OD3 (mm) | OD4 (mm) | NL (mm) |
|-------|----------|-----------|---------|
| S05S | 55 | 45 | 70 |
| S07S | 55 | 45 | 70 |
| S09S | 55 | 45 | 70 |
| S13F | 54 | - | 8 |
| S13S | 55 | 45 | 50 |
| S15F | 54 | - | 8 |
| S15S | 55 | 45 | 50 |
| L05S | 66.6 | 45 | 75 |
| L07S | 66.6 | 45 | 75 |
| L09S | 66.6 | 45 | 75 |
| L13F | 66.6 | - | 14 |
| L13S | 66.6 | 45 | 75 |
| L13PR | 66.6 | 45 | 75 |
| L13PO | 66.6 | 45 <td 75 | |
| L13H | 69 | 46 | 116 |
| L15F | 66.6 | - | 14 |
| L15S | 66.6 | 50 | 75 |
| L15PR | 66.6 | 50 | 75 |
| L15PO | 66.6 | 50 | 75 |
| L15H | 69 | 46 | 116 |



FLAT NOSE



SOLID/PRE/POST NOSE



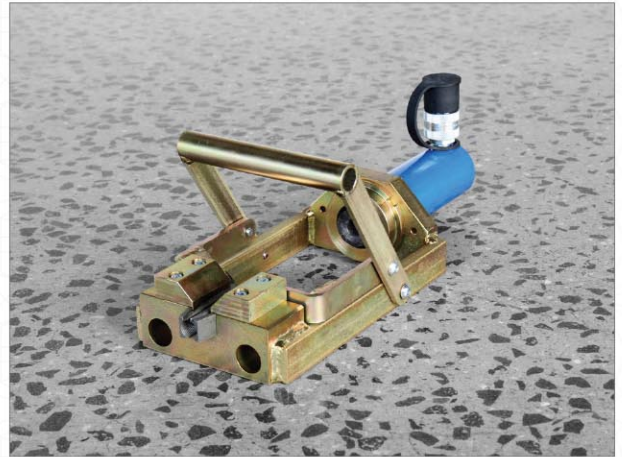
HYDRAULIC NOSE

Features

- Creates an anchor point for prestressing cables. Forms an onion shape to the end of the cable by spreading and separating the individual wires. Thus forming the onion shape on the cable ends.
- Eliminates the need for anchor plates or barrel/wedges.

Specifications

Capacity: 10T
 Strand: 12.7 (0.5") & 15.2 (0.6")
 Finish: Gold zinc plate & painted
 Dimensions: 410mm x 150mm x 75mm
 Handle 150mm high
 Weight: 10kg



Ordering Information

| Part No. | Description |
|-----------|---|
| MPT-OJ-13 | MPT Onion Jack - to suit Ø12.7mm strand |
| MPT-OJ-15 | MPT Onion Jack - to suit Ø15.2mm strand |

Accessories / Spares

| Part No. | Description |
|--------------------|--|
| MPT-OJ-JAW-13 | Ø12.7mm Strand jaws |
| MPT-OJ-JAW-15 | Ø15.2mm Strand jaws |
| MPT-0010-04-SPR | Cylinder 10T / 4" Stroke / Spring Return |
| MPT-0010-04-SPR-BC | Button Cap to suit MPT-0010-04-SPR Cylinder |
| MPT-0010-04-SPR-SK | Seal Kit to suit MPT-0010-04-SPR Cylinder |
| MPT-QA-06F-06M | Quick action coupler - 3/8" Female body / 3/8" NPT Male thread |
| MPT-QA-06-PLUG | Quick action coupler protection plug - 3/8" |
| MPT-OJ-CASE | Carry case |

Features

- Primarily used in the prestressing industry for the affixing of strand chairs.
- Extremely light weight and manually operated. Designed to be used on sites where an air supply is not available.
- This staple machine drives 16 gauge, round crown divergent point staples which are available in stainless steel, galvanised and passivated.



Specifications

Capacity: 180 Staples
 Staple Sizes: 150/19 UC, 150/22 UC & 150/25 UC
 Finish: Black zinc plate & hard anodised aluminium
 Dimensions: 678mm x 352mm x 50mm
 Weight: 3.5kg



Ordering Information

| Part No. | Description |
|----------|--------------------|
| MPT-SM | MPT Staple Machine |

Accessories / Spares

| Part No. | Description | Part No. | Description |
|------------|-------------------------------|-------------|-------------------------------|
| MPT-SM-19G | 150/19 UC Staple - Galvanised | MPT-SM-22P | 150/22 UC Staple - Pasivated |
| MPT-SM-19S | 150/19 UC Staple - S/S | MPT-SM-25G | 150/25 UC Staple - Galvanised |
| MPT-SM-19P | 150/19 UC Staple - Pasivated | MPT-SM-25S | 150/25 UC Staple - S/S |
| MPT-SM-22G | 150/22 UC Staple - Galvanised | MPT-SM-25P | 150/25 UC Staple - Pasivated |
| MPT-SM-22S | 150/22 UC Staple - S/S | MPT-SM-CASE | Carry Case |

Features

- Suitable for a variety of viscosities.
- Steel mesh hinged safety cover.
- Fully enclosed drive system.
- Chain or belt driven.
- Solid or pneumatic front wheels.
- Rear castor wheels or stands.
- Removable panels for easy maintenance.
- Adjustable chain/belt tension.
- Four lifting points.

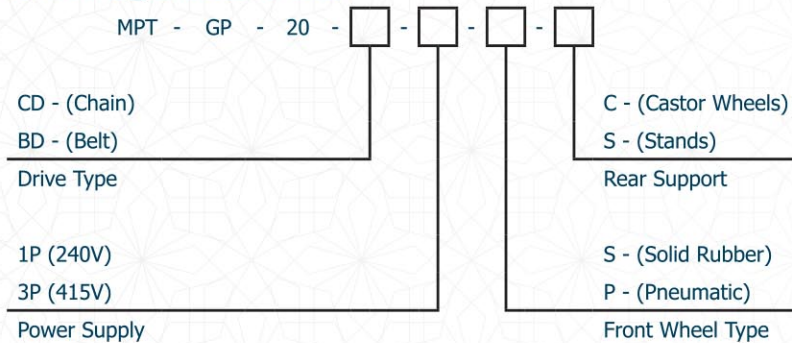
Note: Not suitable for abrasive mixtures.



Specifications

Capacity: 8-12 20kg Bags
 Power: 1P (240V) or 3P (415V)
 Pump: 2682 L/hr (max)
 Finish: Painted MPT blue
 Dimensions: 1440mm x 905mm x 1260mm
 Weight: 250kg

Ordering Information



Accessories / Spares

| Part No. | Description |
|--------------|---------------------------------------|
| MPT-GP-20-DH | 30m Delivery Hose |
| MPT-GP-20-DN | Delivery Nozzle |
| MPT-GP-20-PH | Pressure Hose (Including Fittings) |
| MPT-GP-20-CH | Circulation Hose (Including Fittings) |
| MPT-GP-20-ST | Stator (Rubber) |
| MPT-GP-20-R | Rotor (Worm) |
| MPT-GP-20-SH | Shaft (Including Agitator) |

Standard Features

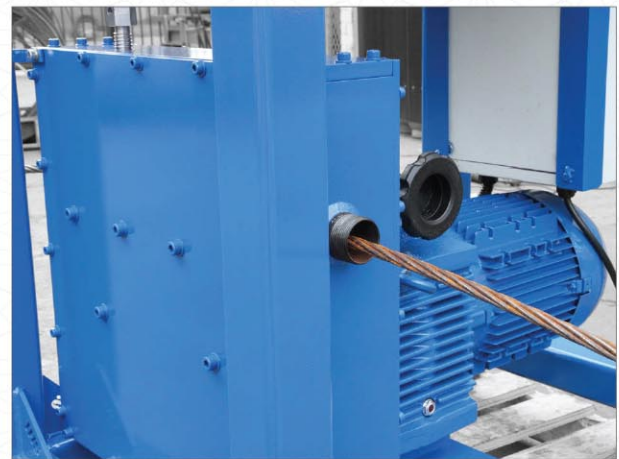
- High torque capacity
- Low to high speed variable operation
- Tension adjustment
- Remote radio control
- Sturdy construction with two lifting points
- Covered & lockable storage box

Optional Features

- Digital feed counter with programmable lengths

Specifications

Strand: 12.7 (0.5"), 15.2 (0.6") & 15.7
 Insertion Length: Up to 100m
 Speed: 43.5 - 230m/min
 Power: 7.5kW
 Supply: 415V 3-Phase
 Dimensions: 1020mm x 725mm x 1235mm
 Weight: 500kg



Ordering Information

| Part No. | Description |
|------------|---------------------|
| MPT-SP-7.5 | 7.5kW Strand Pusher |

Accessories / Spares

| Part No. | Description |
|---------------|---------------|
| MPT-SP-7.5-R | Roller |
| MPT-SP-7.5-RD | Roller Driver |
| MPT-SP-7.5-B | Bearing |

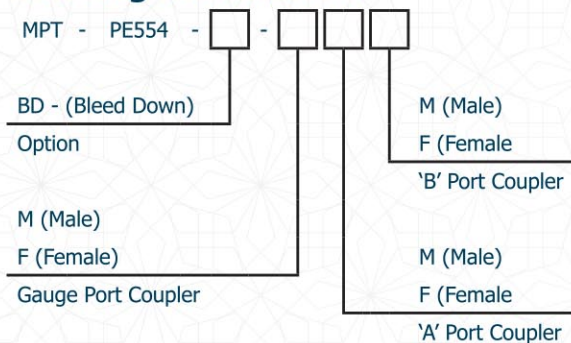
Features

- Light weight and portable.
- 4-way/3-position tandem centre manual valve.
- Advance, hold and return functions.
- Bleed down valve to allow controlled pressure release.
- 3.1m remote motor control.
- Fully customisable to meet your site requirements including larger tank sizes.

Specifications

Motor: 0.84 kW / 220 V / 50 Hz / 1P
15 A / 12000 rpm
Pump: 0-700 bar / 11.5-0.92 L/min
Reservoir: 8.6 L (Usable)
Oil: ISO 46
Dimensions: 391mm x 241mm x 550mm
Weight: 23kg (Dry)

Ordering Information



Accessories / Spares

| Part No. | Description |
|-------------------|--|
| MPT-GAUGE-ANA-4 | 4" Analogue Gauge |
| MPT-GAUGE-ANA-6 | 6" Analogue Gauge |
| MPT-GAUGE-DIG | Digital Gauge |
| MPT-OIL-4 | 4L ISO 46 Standard Hydraulic Oil |
| MPT-QA-06M-06M | Quick action coupler - 3/8" Male body / 3/8" NPT Male thread |
| MPT-QA-06F-06M | Quick action coupler - 3/8" Female body / 3/8" NPT Male thread |
| MPT-QA-06-CAP | Quick action coupler protection cap - 3/8" |
| MPT-QA-06-PLUG | Quick action coupler protection plug - 3/8" |
| MPT-PE554-CASTORS | 2" Castor Wheels (Qty 4) |

6" Analogue Gauge

- Stainless steel housing
- Glycerine filled
- 0-80 MPa scale
- 3/8"-18 NPT Bottom mount



4" Analogue Gauge

- Stainless steel housing
- Glycerine filled
- 0-80 MPa scale
- 3/8"-18 NPT Bottom mount



2.5" Analogue Gauge

- Stainless steel housing
- Glycerine filled
- Dual scale 0-1000 bar / 0-15,000 PSI
- 1/4"-19 BSPP Bottom mount



4" Digital Gauge

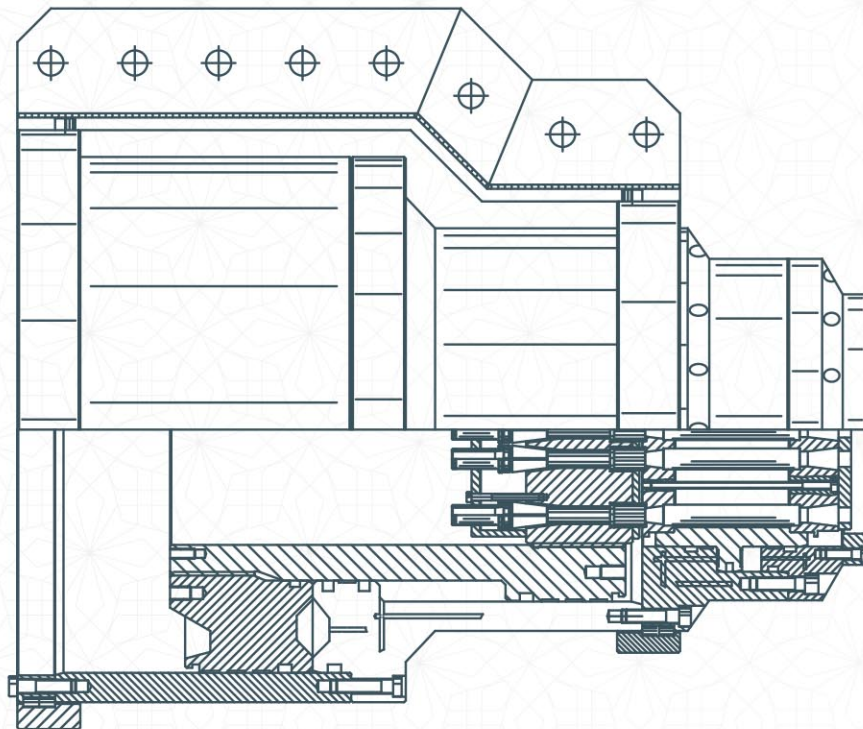
- Stainless steel housing
- Glycerine filled
- MPa scale
- 3/8"-18 NPT Bottom mount





EQUIPMENT PROPERTIES AND DIMENSIONS

An overlook of all the properties and dimensions listed for each equipment.



MULTI-STRAND JACKS

TENSA manufactures several types of "MT" stressing jacks (mono-group), ranging from 1000 up to 10000 kN.

They have been designed and built considering the following stressing needs: minimum strand waste (300 mm to 500 mm), automatic lock-off, easy removal and control of the wedges, jack rotation around its own axis.

MT SERIES

The "MT" jacks have been designed and built by TENSA considering the following stressing needs: minimum strand waste, jack built-in hydraulic circuit, controlled lock-off, easily removed and controlled wedges, jack rotation around its own axis, making it easier to place and wedge onto the tendon. The high functionality and high quality of the material have made this line of jacks very successful under the most severe operating conditions.

MTX SERIES

The "MTX" series jacks, as natural evolution of the "MT" series jack, have been designed and built for stressing in very confined areas, where the overall dimensions of the jack are a fundamental factor.

MTP SERIES

MTP series jacks are the latest evolution of TENSA's stressing equipment. This series has been designed bearing in mind all the lessons learnt from many years of experience on project sites all around the world, and is designed to guarantee top performance during installation.

MTA SERIES

MTA series jacks are the latest development of TENSA's multi-strand jacks, designed with front end master wedges gripping and short strands overlength needed. Sizes and weights are combined to provide a good balance between performance and site needs. Jacks are completed as usual with automatic lock-off system and easy transport and movement connections.





PROJECTS





 (G+P+5) Residential Building

- ▶ **Client:**
Mr. Iman Developers.
- ▶ **Consultant:**
M/s Em Square Engineering Consultant
- ▶ **Contractor:**
M/s Ashyiana Building
- ▶ **Location:** AL Barsha South 4/
DUBAI / UAE.

 **RESIDENTIAL BUILDINGS
(B+G+12TYP. +GYM)**

- ▶ **Client:**
Dubai Investment Real Estate L.L.C.
- ▶ **Consultant:**
M/s A2Z Architectural & Engineering Consultancies
- ▶ **Contractor:**
M/s Al Arif Building Cont.CO.L.L.C
- ▶ **Location:**
Plot no. 2410575 - AT –
AL Nahda Second, DUBAI, UAE.



 **B+G+5 TYPICAL FLOORS**

- ▶ **Client:**
Mr. Taraf Properties DMCC.
- ▶ **Consultant:** M/s Cvtec Consulting Engineers
- ▶ **Contractor:** M/s Majestic Mountains Building Contracting
- ▶ **Location:**
Al Barsha South Fifth, Dubai.





Commercial/residential Building (3B+G+4P+33+M+ROOF)

- ▶ Client: Mr. Waleed Mohammad Mohammad
- ▶ Consultant: M/s National Engineering Burea Archthitectural & Engineering Consultants
- ▶ Contractor : M/s Tiger International General Contracting Co LLC.
- ▶ Location:
Plot No. Jvc I 4phra005 - At – Jumeirah Village.

MIXED USE BUILDING 2B+G+4P+37+R FLOORS.

- ▶ Client:
Mr. Waleed Mohmmad Mohammad
- ▶ Consultant:
M/s AROOM Architects
- ▶ Contractor:
M/s Tiger International General Contracting CO LLC.
- ▶ Location: JVC I 3CHRA005 - AT - AL BARSHA SOUTH FORTH.





**Residential & Comm. Building.
(G+2P+8+R)**

- ▶ **Client:**
Mr. Alya Helal Murshed
Murshed Alhameli.
- ▶ **Consultant:**
M/s ERGA PROGRESS
- ▶ **Contractor:**
M/s Ashyiana Building Contracting.
- ▶ **Location:**
Plot no. 3347258, Al Satwa
Redevelopment / DUBAI / UAE.

**Bin Yaber Driving
Institute (G+1)**

- ▶ **Client:**
Mr. Mohamed Gaber
Abdulla Mohamed Al Harbi
- ▶ **Consultant:**
M/s Dar Al Omran
- ▶ **Contracto:**
M/s Al Memzar Contracting.
- ▶ **Location:**
Jabal Ali Industrial First, Dubai



**(G+6 TYP+ROOF)
RESIDENTIAL BUILDING.**

- ▶ **Client:**
Mr. Myk Global Limited.
- ▶ **Consultant:**
M/s Em Square Engineering Consultant
- ▶ **Contractor:**
M/s Ashyiana Building Contracting.
- ▶ **Location:** Plot no. 685442 I,
Maiseb First / Dubai / UAE.





Commercial & Residential Buildings (G+2P+8TYP)

- ▶ **Client:**
Meraas Estates - L L C
- ▶ **Consultant:**
M/s POE Architects & Engineers
- ▶ **Contractor:**
M/s AL Wathba Building Cont.CO.L.L.C
- Location:**
▶ Plot no. 3347192 - AT – AL SATWA,
DUBAI, UAE.

Residential Building (G+1)

- ▶ **Client:**
Mr. M Rashid Shafiullah
Mr. M Shahid Shafiullah
Mr. M Ahmed Shafiullah
- ▶ **Consultant:**
M/s Al Gafry
- ▶ **Contractor:**
M/s Ashiyana Contracting
- ▶ **Location:** Saih Shuaib Second,
DUBAI, UAE.



**(G + P + 9-STOUREYS + ROOF)
MIXED-USE BUILDING**

- ▶ **Client:** Mr. Abdulrahman Hareb
Rashed Hareb Al Hareb
- ▶ **Consultant:** M/s Sidra
Architectural Engineering Consultancy
- ▶ **Contractor:** M/s Al Memzar
Contracting L.L.C.
- ▶ **Location:** At – Wadi Al Safa 3,
DUBAI, UAE.



**Proposed Labor Camp
(CAMP 15) (G + 2 FLOORS + ROOF)**

- ▶ **Client:**
Mr. AL Qouz Al Awsat.
- ▶ **Consultant:**
M/s Sidra Architectural &
Engineering Consultancy
- ▶ **Contractor:**
M/s Najmat Al Fawares
General Contracting.
- ▶ **Location:** Plot no. 3650963
AL Quoz Ind. Second, Dubai.



**(B+G+1)
COMMERCIAL BUILDINGS**

- ▶ **Client:**
Mr. Saud Nasser Al Shathry
- ▶ **Consultant:** M/s CVTEC
Consulting Engineers
- ▶ **Contracto:** M/s Al Wathba
Building Cont.CO.L.L.C
- ▶ **Location:** Plot no. 6456340 -
AT – WADI AL SAFA 3,
DUBAI, UAE.





2B+G+4P+TECH BLDG. + 32 OFFICES & RES. BLDG

- ▶ **Client:**
M/s Waleed Mohammed
Mohammed
- ▶ **Consultant:**
M/s Design Center Architects
And Engineers Consultants
- ▶ **Contractor:**
M/s Tiger International General
Contracting Co Llc.
- ▶ **Location:**
Plot no. JVC12XHRA004 - AT –
AL BARSHA SOUTH FOURTH





Telal Tower (3B+G+24)

- ▶ **Client:**
H.E. Shaikh Mohammad Bin Ali
Rashed Al Nnuaimi
- ▶ **Consultant:**
Dubai Architectural Research
Team International
- ▶ **Contractor:**
Modern Building Contracting
- ▶ **Location:**
TECOM, Dubai, U.A.E.

Villa (B+G+1)

- ▶ **Client:**
Ahmad Saeed Manana
Ghedair Ejebi
- ▶ **Consultant:**
Al Asri Engineering Consultant
- ▶ **Contractor:**
Progress Constructions
- ▶ **Location:**
Za'abeel 2 Dubai, U.A.E.





◇ 4B+G+P+15+2PH

- ▶ Client:
Arra Limited
- ▶ Consultant:
Architectural & Engineering
Consultants (ARENCO)
- ▶ Contractor :
AB Building Contracting
- Location:
▶ Plot No. D-13, at culture village,
Dubai, U.A.E.

◇ Hospital Building
(3B+G+M+3+2R+2UR)t

- ▶ Client:
Fatima Abdullah Youssef
Khoory
- ▶ Consultant:
Design & Architecture
bureau (DAR)
- ▶ Location:
Um Hurair First, Dubai, U.A.E.



Giovanni Boutique Apartment 2B+G+20TYP+HC+R

- ▶ **Client:**
Neo-Solutions
- ▶ **Consultant:**
Eng. Adnan Saffarini
- ▶ **Contractor:**
AB Building Contracting
- ▶ **Location:**
I369 at Sports City,
Dubai, U.A.E.



4B+G+M+20 Building

- ▶ **Client:**
M/s Maryam Ali AbdallaAlowais
- ▶ **Consultant:**
M/s Rashid Al Owais
- ▶ **Contractor:**
Al Wathba Building Contracting L.L.C.
- ▶ **Location:**
Plot No:6/a At Al Mereija-sharjah

Residential Building (3B+G+7+R)

- ▶ **Client:**
Rashed Mohammed Dahroui Alamri,
Ahmad Suhail Buti Mohammad Alamiri,
- ▶ **Consultant:**
Extreme Line Engineering Consultancy
- ▶ **Contractor:**
Bait Al Yazzi Contracting
- ▶ **Location:**
Al hamriya, Dubai, U.A.E.



Residential Building (1B+G+11+R)

- ▶ **Client:**
H.H.Sheikha Fatima Bint
Mubarak Al Katbi
- ▶ **Consultant:**
Heberger Engineering
- ▶ **Contractor:**
Construction General
Contracting House
- ▶ **Location:**
Abu Dhabi, U.A.E.



 **(B+G+M+2+R)**

- ▶ **Client:**
Sharif, Mohammad, Shoaib,
Sholiqi, Shamima, Shahla Khoory
- ▶ **Consultant:** Islamic Architects
- ▶ **Contractor:**
Bait Al-Yazi Contracting
- ▶ **Location:** Al Suq Al Kabeer,
Dubai, U.A.E.



 **2B+G+18 Building**

- ▶ **Client:**
Abdul Razzaq Abdul Aziz
Ramadan Al Mutawa
- ▶ **Consultant:**
Chawala Architectural
- ▶ **Contractor:**
NARESCO Contracting
- ▶ **Location:**
Al Nahda I, Dubai, U.A.E.



 **Sun City Complex
(G+16+R) (5 Buildings)**

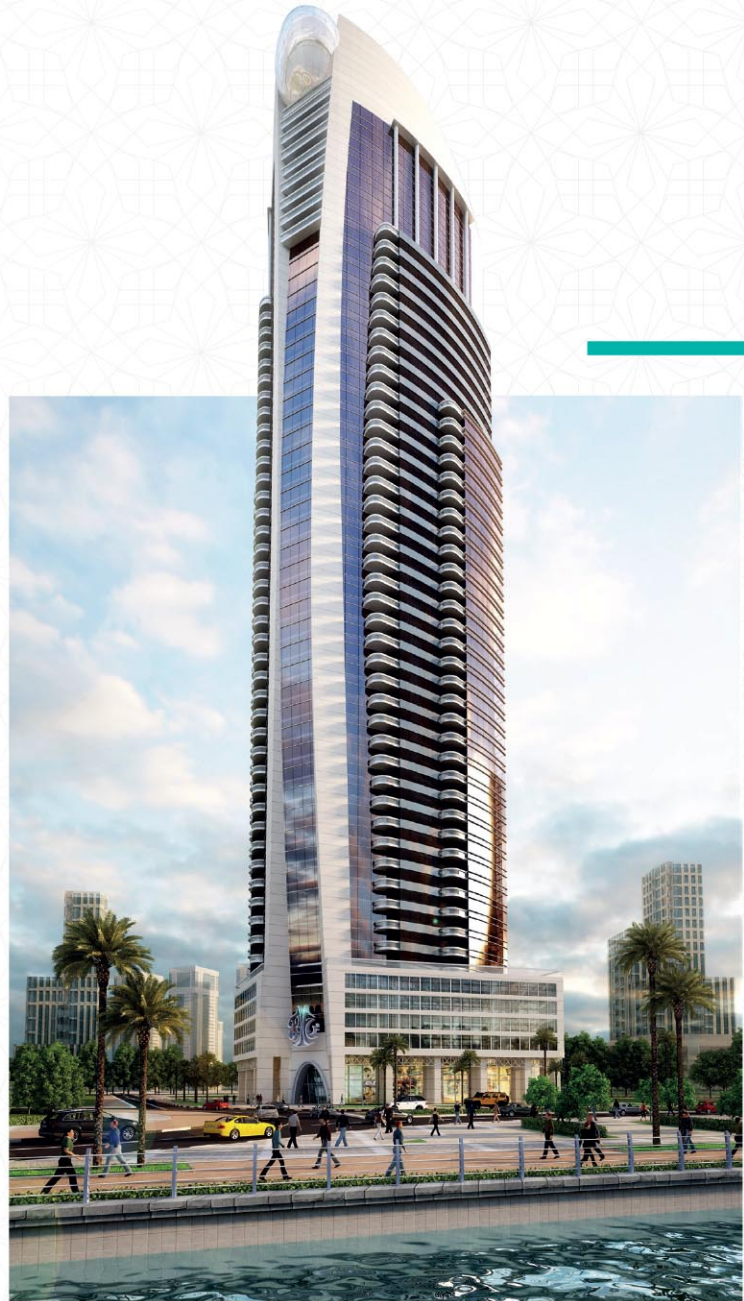
- ▶ **Client:**
Shahr-E-Aftab
- ▶ **Consultant:**
Kish Elite
- ▶ **Contracto:**
Al Hajar Contracting
- ▶ **Location:**
Eastern Coast of Kish Island,
Iran





**PROPOSED BUILDING
G+5P+HEALTH CLUB +
43 TYPICAL+ 1 SERVICE+ ROOF**

- ▶ **Client:**
Shiekh Mohammed Ben
Abdullah Alqasmy
- ▶ **Consultant:**
Sharjah Engineering
Consultant
- ▶ **Location:**
Sharjah



G+5P+HC+SERVICE+
(34TYPICAL,22TYPICAL)

- ▶ **Client:**
Shaikh Mohammed Bin Abdullah
Bin Mohammed Al Qassimi
- ▶ **Consultant:**
Sharjah Engineering Consultant
- ▶ **Location:**
Plot No. 95a Mulk- Al Khan -
Sharjah



◇ **Gulf Oasis B+G+M+50**

- ▶ **Client:**
Ahmad Ghanem Al Swaidi.
- ▶ **Consultant:**
Mazaya Cons. Eng.
- ▶ **Location:**
Plot No. 1206, Al Khan, Sharjah



Al Hili Tower 2B+G+5P+34

- ▶ **Client:**
Ms. Anoud Salla Mousa Abdalla
- ▶ **Consultant:**
Mazaya Consulting Engineers
- ▶ **Location:**
Plot No. 443, Al Majaz I, Sharjah





◊
**(G+5p+33) Proposed
Furnished Apartments
(G+5p+14)**

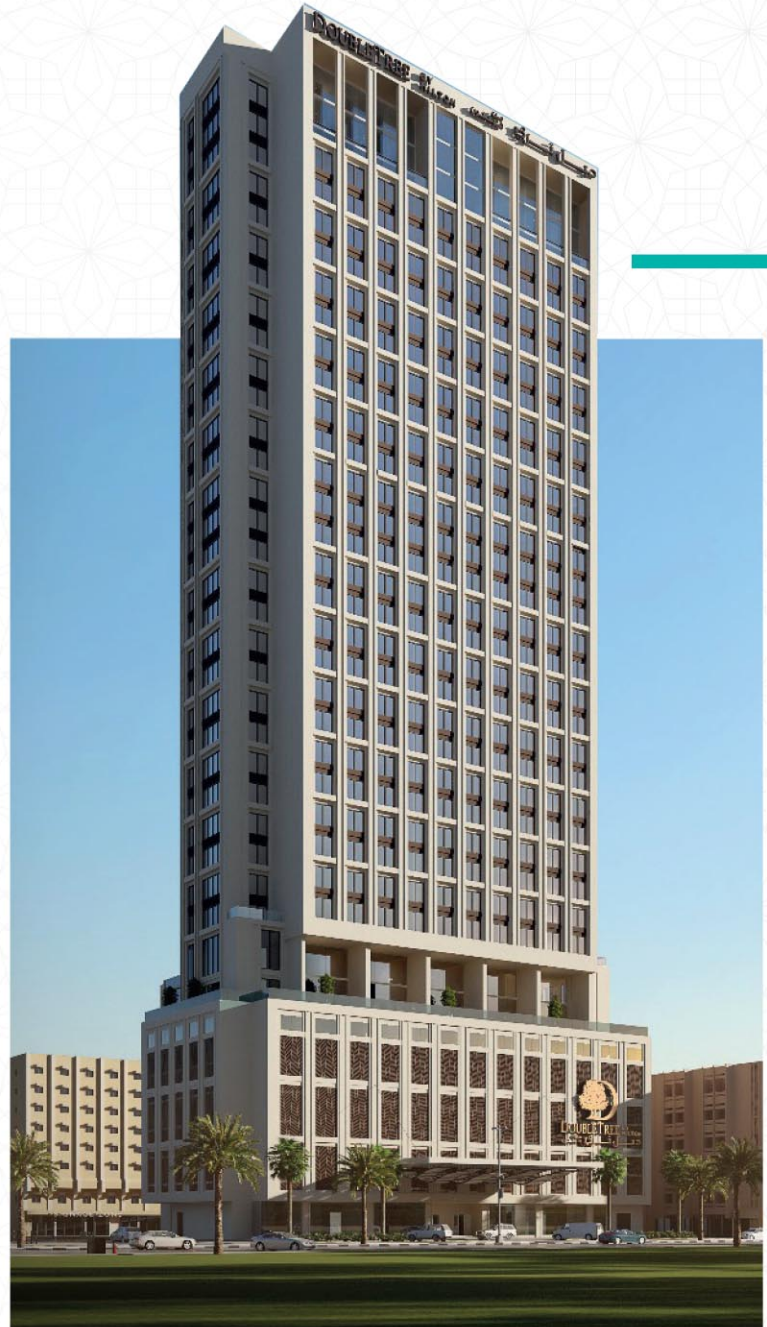
- ▶ **Client:**
Zamnako Yaseen Qader
- ▶ **Consultant:**
Sharjah Engineering
Consultant
- ▶ **Location:**
Plot No. 3789 - Gov No-1284-
In-7, sharjah



Hotel G + 5P + 28

- ▶ Client:
Mr. Mounir Mahmoud Abdul Salam Al Sharif
- ▶ Consultant:
Mazaya Consulting Engineers
- ▶ Location:
Plot I 166 Al Khan, Sharjah





**(G+5P+REST.+H.C+SE.+27 FL)
Proposed Hotel Apartment**

- ▶ **Client:**
Mr. Marwan Yaseen Al Zaeem
- ▶ **Consultant:**
Mazaya Consulting Engineers
- ▶ **Contractor:**
Marwan Gen. Contracting Co. Llc
- ▶ **Location:**
Polt No : 393/a,
Al Majaz-2/ Sharjah

◊ **Pro Build(Gr.+6P+6 Office
(1st floor (office+h.c.)) +
29 Typ.+1 Tech.flr)**

▶ **Client:**

Mr. Khalid Omar Muhsin
Abdalla Alkaf

▶ **Consultant:**

M/s Al Nahda Eng.consultant

▶ **Contractor:**

M/s Al Kawther Building Contracting

▶ **Location:**

Plot No. A153/145(M),
Al-mamzar/al Khan



◊ **Pro. G+3p+
serv.+14 Hotel+hc**

- ▶ **Client:**
Mr: Mohd. Butty Al Abduli
- ▶ **Consultant:**
M/s Cubic Engineering Consultant
- ▶ **Contractor:**
M/s Bakr Bldg.cont.co.llc.
- ▶ **Location:**
Plot No. 217/a (Mulk No.41)
Al Qasimia,sharjah



Proposed Building
(G+5p+15t)

- ▶ Client:
Mr. Mohammed Khalfan
Mohammed Khalfan Alroumi
- ▶ Consultant:
M/s Enmaa Engineering Consultant.
- ▶ Location:
221 / Mulk :1267
Al Khan/ Sharjah



◊ G+5p+h.c+15typical+2 Pent

- ▶ Client:
M/s. Ibrahim Rashed Demas
- ▶ Consultant:
M/s Mazaya Consulting Engineers
- ▶ Contractor:
Marwan Gen. Contracting Co. Llc
- ▶ Location:
Plot No. 803, Al Khan,
Al Mussalla / Al-gharb,sharjah



Proposed Building
B+g+2p+18typ+sw.pool

▶ Client:

Mr: Mohammed Ahmed Ali
Dadabai

▶ Consultant:

Mazaya Consulting Engineers

▶ Contractor:

Neptune.cont.co.llc.

▶ Location:

Polt No :758

Al Majaz - Sharjah



◇ (G+m+6p+1st Floor
(Office+ H.C.)+ 5 Office
Floors+27 Typ

▶ Client:

Mr. Al Waleed Khalid Bin
Khadim

▶ Consultant:

M/s Al Nahda Eng.consultant

▶ Contractor:

M/s Al Sarh Al Kapeer

▶ Location:

Plot No. A100
Al Khan,sharjah



◇ (G+5p+health Club+
32 Typ+service Floor+
Pent House)

- ▶ Client:
Mrs. Reema Auda Musbeh
- ▶ Consultant:
M/s Mazaya Consultaing Engineers
- ▶ Contractor:
M/s High Raise Building Cont. Co.
- ▶ Location:
Plot No. 139 Mulk
Al Mamzar /al Khan



Proposed G+5p+12 Residential Building

▶ Client:

Mr. Abdullah Bin Ahmad Bin
Saeed Al Afeef

▶ Consultant:

M/s International Engineering
Cnonsultants

▶ Contractor:

M/s Alamazon Building Contractor

▶ Location:

Plot No. 156
Al Nahda-sharjah



◊ **Proposed G+5p+15
Commercial &
Residential Building**

▶ **Client:**

Mr. Abdullah Bin Ahmad Bin
Saeed Al Afeef

▶ **Consultant:**

M/s International Engineering
Consultants

▶ **Contractor:**

M/s Alamazon Building Contractor

▶ **Location:**

Plot No. 364
Al Nahda-sharjah



Proposed G+6p+18t+hc Building

▶ Client:

Mr. Abdullah Bin Ahmad Bin
Saeed Al Afeef

▶ Consultant:

M/s International Engineering
Cnonsultants

▶ Contractor:

M/s Alamazon Building Contractor

▶ Location:

Plot No. 180
Al Nahda-sharjah



 **Proposed Building**
(G+6p+19typ)

- ▶ **Client:**
Mr. Yahaya Salman Abdulla
Mouhmad Alakali
- ▶ **Consultant:**
M/s Sharjah Engineering Consultant
- ▶ **Contractor:**
M/s Jabal Hafeet Building Cont.
- ▶ **Location:**
707 Mulk
Al Majaz -3 /sharjah



◆ **Proposed Building
(G+5parking+15typical)**

▶ **Client:**

Mr. Ahmed Ali Marzouq
Safer Almazrouei

▶ **Consultant:**

M/s Sharjah Consulting Engineers

▶ **Contractor:**

M/s High Raise Building Cont. Co.

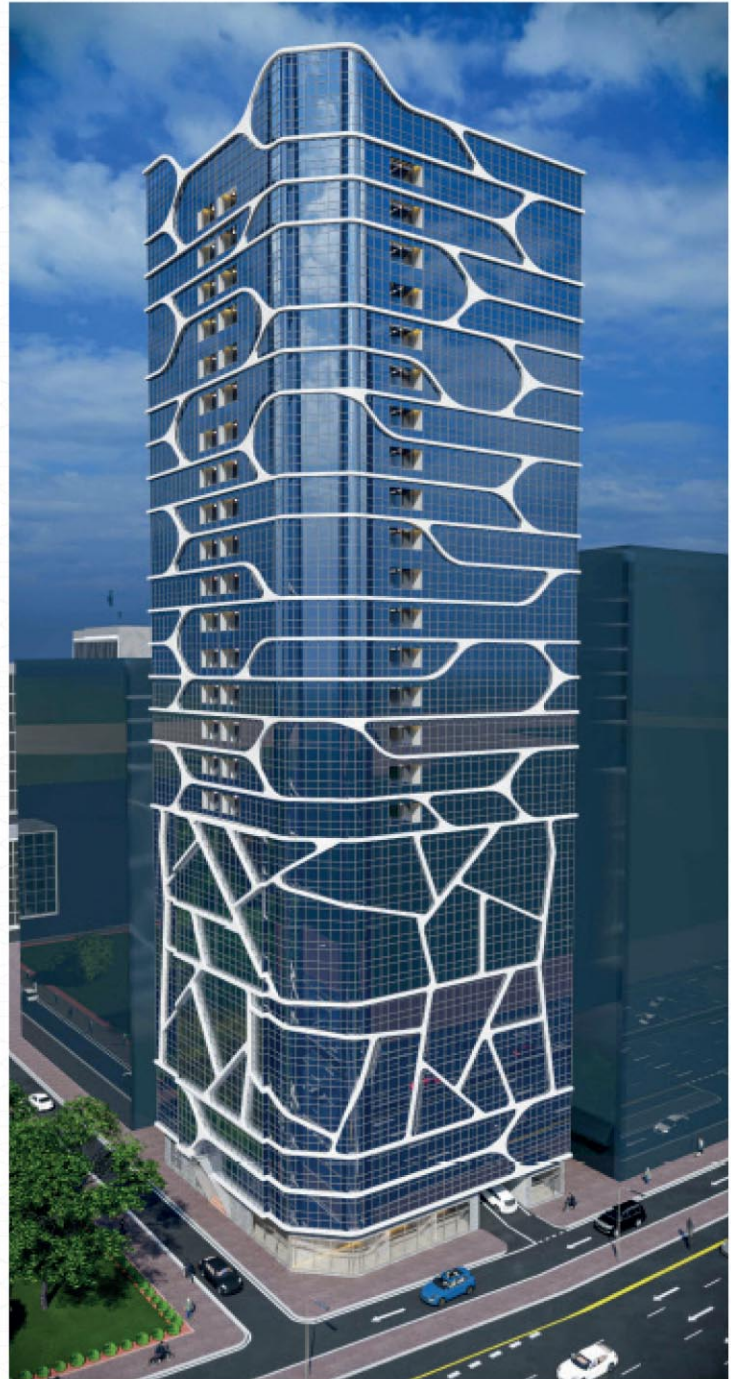
▶ **Location:**

Plot No: 22 ,sector: 332
Al Nahdah,sharjah



◻ **G+7p+3 Hospital+17 Typ.
Floor Residential /
commercial Building**

- ▶ **Client:**
M/s Bashar Mohd Taiseer Samha
- ▶ **Consultant:**
M/s Al Turath Al Omrani
Engineering Consultant
- ▶ **Contractor:**
Al Wathba Building Contracting
- ▶ **Location:**
Plot No. 0071
At City Center Sector-al
Mushairif-ajman.



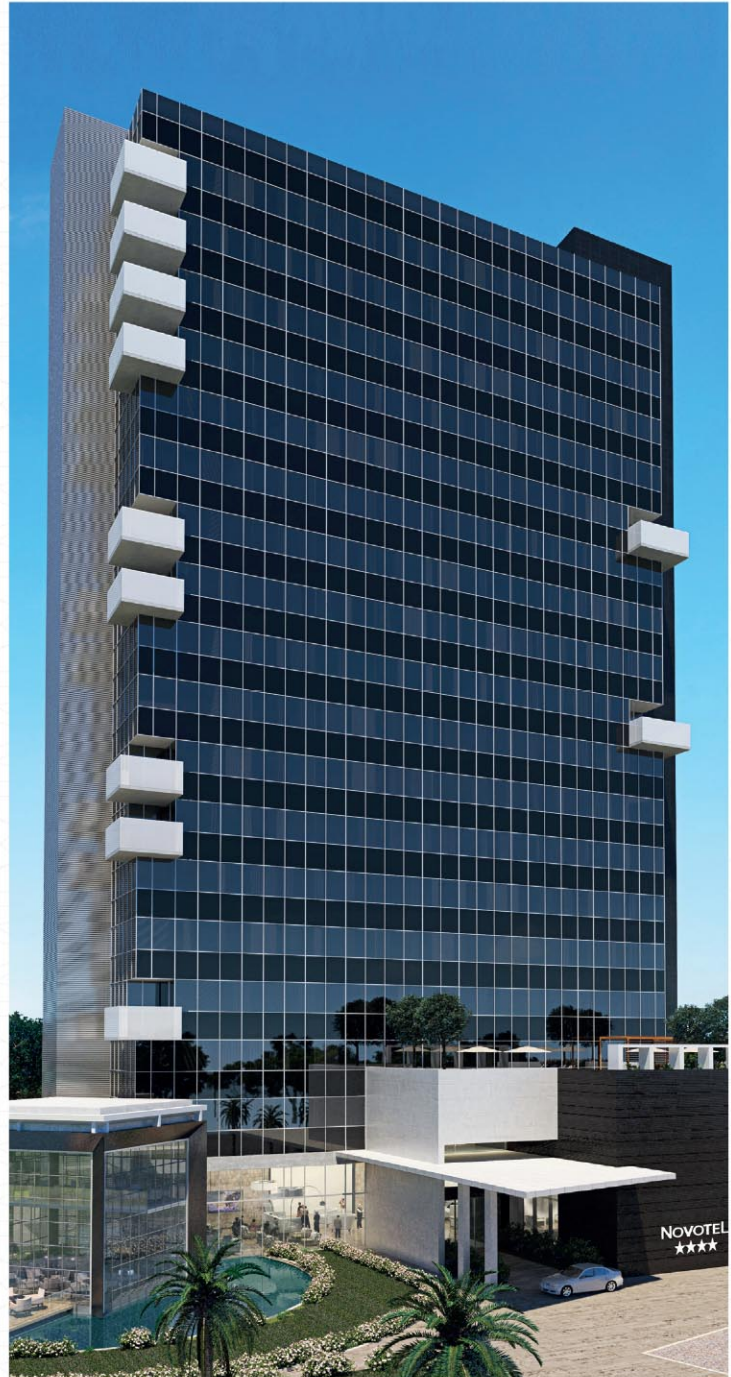
◇ (G+4p+15 Typical Floor+
1 Health Club)

- ▶ **Client:**
M/s Maryam Hamel Khadem
Alqabise
- ▶ **Consultant:**
M/s Al Bait Engineering
Consultants.
- ▶ **Contractor:**
Al Serh Al Kapeer
- ▶ **Location:**
Plot No:(467/gov)-(409/mulk)
At Alqasmia-sharjah



 **Sharjah Expo Hotel**
(1b+g+m+16+ser.block)

- ▶ **Client:**
Mr. Sharjah Expo Hotel Co Llc
- ▶ **Consultant:**
M/s Sharjah Engineering Consultant
- ▶ **Contractor:**
M/s Klampfer Middle East Llc
- ▶ **Location:**
Plot No. (Mulk-1453/govt-820)
Al Khan Sharjah



◇ (G+3p+15 Typical Floor)

- ▶ **Client:**
M/s Sultan Mohamed Khalifa
Hamad Alyahyae
- ▶ **Consultant:**
M/s Al Bait Engineering
Consultants.
- ▶ **Contractor:**
Remal Al Sahraa
- ▶ **Location:**
Plot No:(376/gov)-(105/mulk)
At Alqasmia-sharjah



3B+G+3P+18+HC

- ▶ Client:
Al Qabdah building contracting
- ▶ Consultant:
Mazaya Cons. Eng.
- ▶ Location:
Plot No. 38, Al Mahata, Sharjah



◊ **G+5P+HC+14+ Helipad**

- ▶ **Client:**
Mr. Mounir Mahmoud Al Sharif
- ▶ **Consultant:**
Mazaya Cons. Eng.
- ▶ **Location:**
Plot No. 747, Al Khan, Sharjah





6 COMMERCIAL,
REBUILDING
(G+5+15TY+GYM+ROOF)

▶ Client:

Mr. H.H Sheikh Humaid Bin
Rashid Al Numaimi

▶ Consultant:

M/s Infinity Engineering Consultants

▶ Contractor:

M/s Gulf Asia Building Contracting

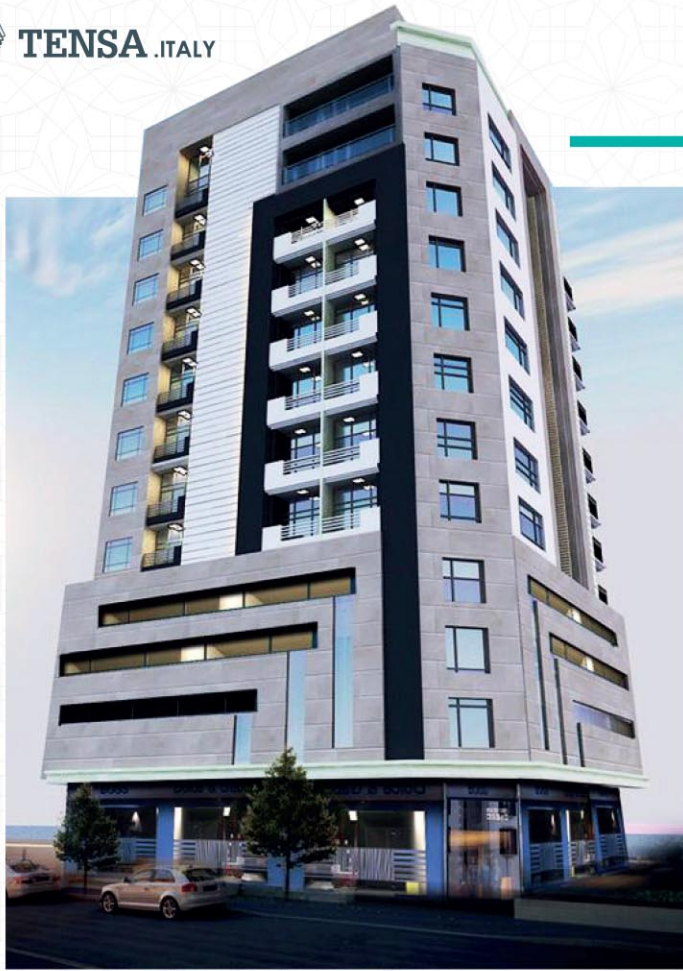
▶ Location:

Plot No. (371,372,373,374,375,376)
Al Jurf - Ajman

◊ **Resi. Tower(G.+5p.+serv.+ 20
Typ.floors+2pent.**

- ▶ **Client:**
Mr. Ismaeel Abd Alwahad
- ▶ **Consultant:**
M/s Mazaya Consultaing Engineers
- ▶ **Contractor:**
M/s Fajar Al Shark Building Cont. Co. Llc
- ▶ **Location:**
Plot No. 408
Al Majaz /sharjah





 **G+3p+9typical Floors**

- ▶ **Client:**
Mr. Obaid Awad Obaid Saeed
Al Swaya Al Tuneiji
- ▶ **Consultant:**
M/s International Engineering
Consultant
- ▶ **Contractor:**
M/s Sarco Building Contracting
- ▶ **Location:**
Plot No. 562
Al Nad, Sharjah

 **G+6+helipad+roof**

- ▶ **Client:**
Mr. Expo Center Sharjah
- ▶ **Consultant:**
M/s Sharjah Engineering
Consultant
- ▶ **Contractor:**
M/s Sarco Building Contracting
- ▶ **Location:**
Al Khan - Sharjah





◇ G+3p+8typ

- ▶ Client:
Mr. Rashed Moattaq Rashed Alrashidi
- ▶ Consultant:
M/s Sharjah Consulting Engineers
- ▶ Contractor :
M/s Al Montaser Building Cont.
- ▶ Location:
Plot No. 595
Al Majaz-3, Sharjah

◇ (G+2P+6T)

- ▶ Client:
Hessa M A Al Hasawi
- ▶ Consultant:
M/s Enmaa Engineering Consultant.
- ▶ Location:
285 / Mulk :17
Sector : Al Khali'ah , Sharjah



G+2p+9 Typical Floors

- ▶ **Client:**
M/s H.E. Mohamed Haji
Abdulla Husain Alkhoori
- ▶ **Consultant:**
M/s Al Bait Engineering
- ▶ **Contractor:**
Al Serh Al Kapeer
- ▶ **Location:**
Plot No:764
At Bu Shaghara -sharjah



G+2p+8 Typical Floor

- ▶ **Client:**
M/s Maryam Ali AbdallaAlowais
- ▶ **Consultant:**
M/s Rashid Al Owais
- ▶ **Contractor:**
Al Wathba Building Contracting L.L.C.
- ▶ **Location:**
Plot No:6/a At Al Mereija-sharjah



◊ B+g+1p+6 Typical Floor

- ▶ **Client:**
Mr. Omran Salim Al Owais
- ▶ **Consultant:**
M/s Rashid Al Owais Engineering Consultants.
- ▶ **Contractor:**
Al Fajr Building Contracting L.L.C.
- ▶ **Location:**
Plot No: 648 At Al Gulaya-sharjah

◊ Prop. Add School (B+g+1)+Exist.school (G)

- ▶ **Client:**
Mr. Ali Mohamed Hassan Humaid Alsuwaidi
- ▶ **Consultant:**
Architecture House
- ▶ **Contractor:**
Golden Falcon
- ▶ **Location:**
2618-2620 / Mulk-1391 Sajaah / Sharjah





G+10 +pent house

- ▶ Client:
Mr. mohamad hashem alshareef
- ▶ Consultant:
M/S Infinity engineering consultant
- ▶ Location:
Ajman – albustan-plot no. 32

Building G+8

- ▶ Client:
Mr. Rashed & Majed &
Suhail Alghafli
- ▶ Consultant:
M/s Infinity Engineering Consultant
- ▶ Location:
Ajman – Alnuimiah-plot No. 142



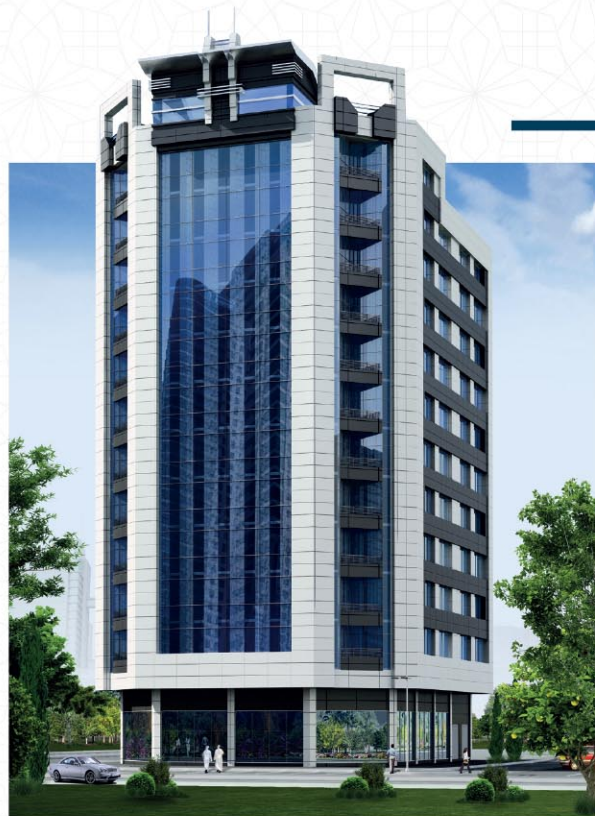


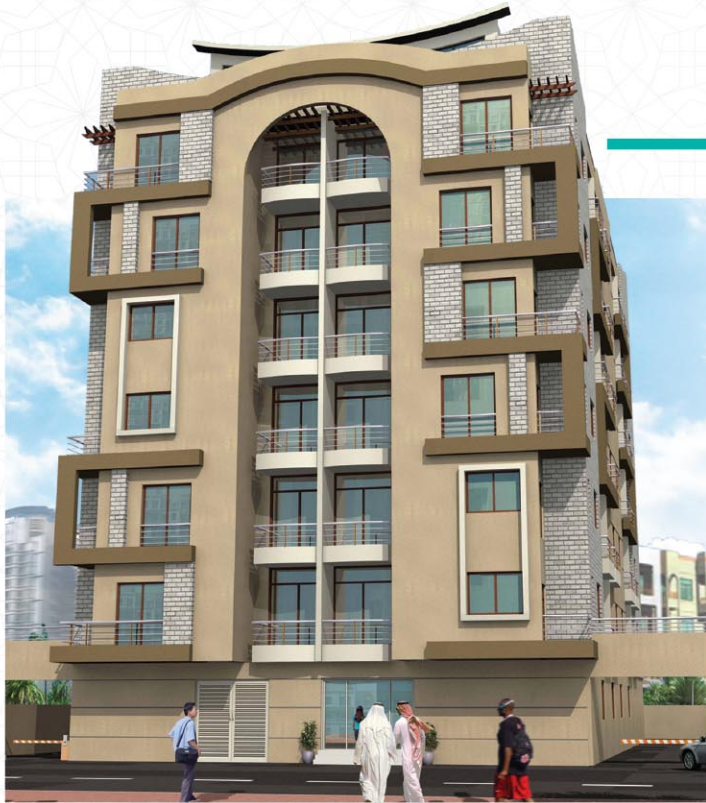
◇ G+4P+10 typical + roof

- ▶ **Client:**
H.H Shikh Humaid Bin Rashed Alnueme
- ▶ **Consultant:**
M/S Infinity engineering consultant
- ▶ **Location:**
Ajman – albustan- plot no. 10

◇ G+10 typical + roof

- ▶ **Client:**
Mr. Hamad bin gulitaa alaghafli
- ▶ **Consultant:**
M/S Infinity engineering consultant.
- ▶ **Location:**
Ajman – plot no. 872





B+G+7 Building

- ▶ **Client:**
Mrs. Fatima Abdalla,
Wife of Sultan Ali Abdalla Al Owais
- ▶ **Consultant:**
Sharjah Engineering Consultants
- ▶ **Location:**
Al -Moileh- Sharjah, UAE,
Plot No. 325

Al Ghanem Business Centre 2B + G + 2P + 13

- ▶ **Client:**
Al Ghanem Real Estate
- ▶ **Consultant:**
Afkar Engineering Consultants
- ▶ **Location:**
Plot No. 1089, Al Majaz, Sharjah





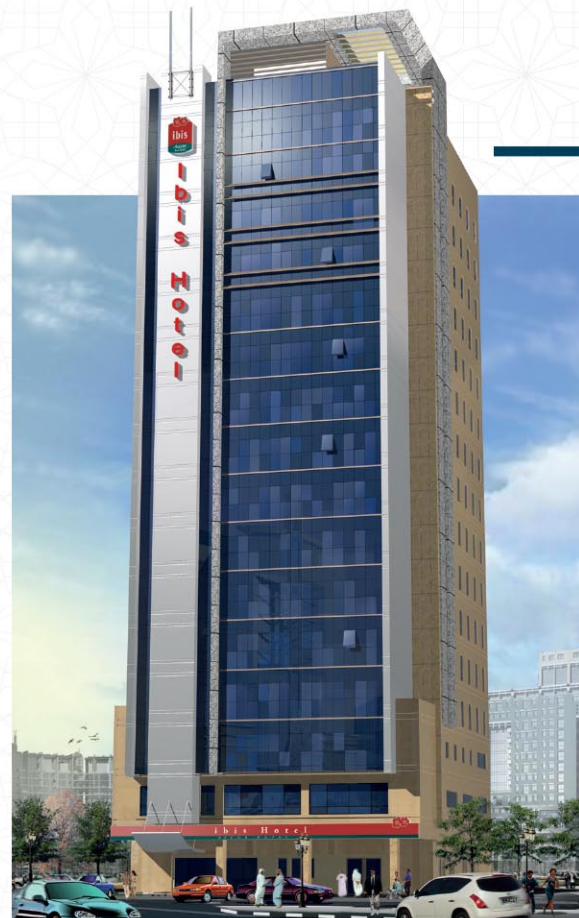
HOTEL APARTMENTS (G + 5 P + 15 TYPICAL + GYM)

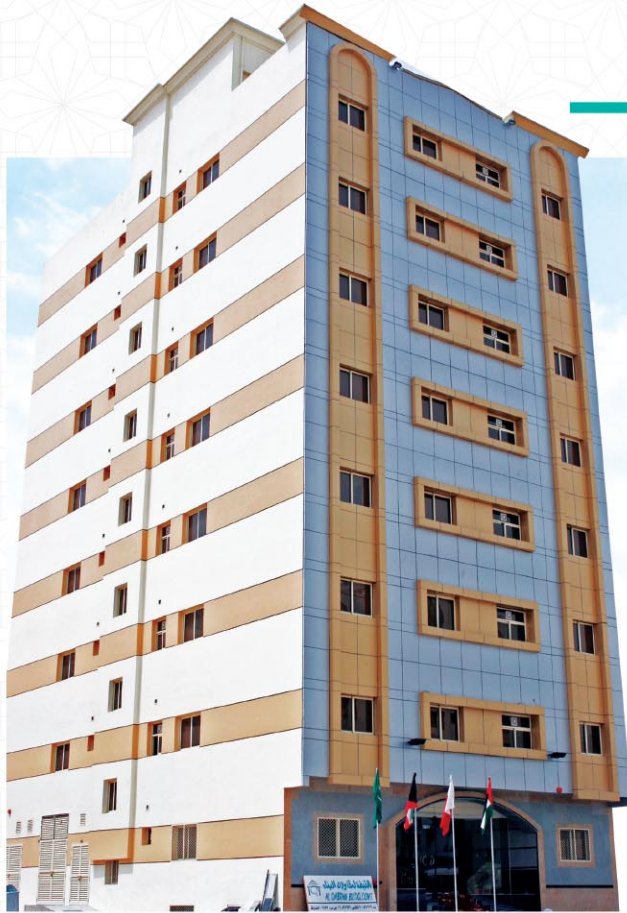
- ▶ **Client:**
Mrs. Moza Ali W.O. Salim
Rashid Al Owais
- ▶ **Consultant:**
M/s Arenco Engineering
- ▶ **Location:**
AL MAJAZ 3-plot 105/A ,SHJ.



I.B.I.S Hotel (3 B + G +14 FLOOR)

- ▶ **Client:**
Dr. Soad Mohamed Al-sobah
- ▶ **Consultant:**
Conin Engineering Consultant
- ▶ **Location:**
Al-majaz-hay Almajaz
Plot No 51 Sharjah





◆ B + G + 7

- ▶ Client:
Mr. Yaqoub Bin Abdul Rahim
Bin Karam
- ▶ Consultant:
Dr. Yaghmour Consulting
Architects and Engineers
- ▶ Location:
Plot No. 361, Al Moileh, Sharjah

◆ G + 8

- ▶ Client:
Mr. Hussain Ibrahim Ahmad Mohamad
- ▶ Consultant:
High Art Engineering Consulting
House LLC
- ▶ Location:
Plot No. 157, al Butaina, Sharjah





◇ G + 10

- ▶ Client:
Mr. Marwan Hussain Mohamad Al Shaali
- ▶ Consultant:
Mazaya Consulting Engineers
- ▶ Location:
Plot No. 798, Al Majarra, Sharjah.

◇ G+1P+5

- ▶ Client:
Mr. Mohd Adib Hejazi
- ▶ Consultant:
International Engineers & Consultants
- ▶ Location:
Plot No. 57-696 , Moileh, Sharjah



G+1P+5 TYPICAL

- ▶ **Client:**
Al Buraq Tr.&ent.co.llc – Abtec -
- ▶ **Consultant:**
M/s Arab & Turk International Engineering
- ▶ **Location:**
Plot No. 696/17- Commercial Muwaile-mussal



8 BUILDINGS G+ P+5 TYPE

- ▶ **Client:**
H.H Shikh Humaid Bin Rashed Alnueme
- ▶ **Consultant:**
Infinity Consultant.Consultant
- ▶ **Contractor:**
Alrehab Building Contracting.
- ▶ **Location:** Plot No 1905 Aljurf Ajman, UAE



Compound 18 Buildings G +5 TYPE

- ▶ **Client:**
H.H Shikh Humaid Bin Rashed Alnueme
- ▶ **Consultant:**
Infinity Consultant.
- ▶ **Contracto:**
Alrehab Building Contracting.
- ▶ **Location:**
1076 Aljurf, Ajman, UAE



◇ villa ground only

- ▶ **Client:**
Mr. Hamad bin gulitaa alaghafli
- ▶ **Consultant:**
M/S Infinity engineering consultant
- ▶ **Location:**
Ajman – musheref-plot no. 284



◇ (G+4floors) - 9 Buildings

- ▶ **Client:**
Tilal Real State
- ▶ **Consultant:**
Mazaya Consulting Engineers
- ▶ **Location:**
Plot No-6781/juwaize-sharjah - Uae

◇ Compound 28 Villas(G+1)

- ▶ **Client:**
H.H.Sheikh Humaid Bin Rashed Al Nuiami
- ▶ **Consultant:**
Infinity Engineering Consultant
- ▶ **Location:**
At Plot No. 1\73 Sector 5 Area -Aljurf –ajman



Basement +G +2flrs

- ▶ **Client:**
Sharjah Bank
- ▶ **Consultant:**
Mazaya Consulting Engineers
- Location:**
- ▶ **Plot No:** 970/ Tejareiat
Mualeh- Sharjah



Center B+G+1 Floor

- ▶ **Client:**
Lulu Mart
- ▶ **Consultant:**
M/s Mazaya Engineering
Consultant.
- ▶ **Location:**
L-plot Number 408 At Almajaz,
Sharja /al-gharb



G + 2 Typical

- ▶ **Client:**
Mr. Ali Abedullah Al Hamrani
- Consultant:**
- ▶ **Mazaya Engineering
Consultant**
- Location:** Ajman Al Romilah
- ▶ **Plot No** 182 . 2 Block 4



Clinic-shops

- ▶ Client:
Mr. Sharjah Airport
International Free Zone
- ▶ Consultant:
M/s Mazaya Engineering.
- ▶ Location:
Al-mussalla /al-gharb



B+G+ 2 Safeer Hypermarket

- ▶ Client:
Al Safeer Group
- ▶ Consultant:
Mazaya Consulting Engineers
- ▶ Location:
Plot No. 1175, Al Majaz I,
Sharjah



B+G+ 2 Safeer Hypermarket

- ▶ Client:
Al Safeer Group
- ▶ Consultant:
Mazaya Cons. Eng.
- ▶ Location:
Plot No. 1176, King Faisal,
Sharjah



**Hyper Market
B+g++m+2 Floors**

- ▶ **Client:**
Mr. Ali Ben Sultan
- ▶ **Consultant:**
Mazaya Consulting Engineers
- Location:**
- ▶ Al-al-nahda Plot No. 331
Pro.al-mussalla /al-gharb



Hyper Market B+g+1 Floors

- ▶ **Client:**
Shk.sultan Bin Abdullah
Bin Sultan Al Qasami & Partners
- ▶ **Consultant:**
Mazaya Engineering Consultant
- ▶ **Location:**
Al-mussalla /al-gharb
Sharjah, Uae



(B+G+3)& Shed (G)

- ▶ **Client:**
Mr. Shk. Mohammed Bin
Abdullah Alqasmi
- ▶ **Consultant:**
M/s Sharjah Consulting
- ▶ **Contractor :**
M/s Al Mawarid Gen
- ▶ **Location:** Plot No. (238 MULK)
IN-3 - SHARJAH



Mosque G+m

- ▶ Client:
Awqaf
- ▶ Consultant:
Infinity Engineering Consultant
- ▶ Location:
Ajman – Aljurf-plot No. 599



MOSQUE G+M

- ▶ Client:
Awqaf
- ▶ Consultant:
Infinity engineering consultant
- ▶ Location:
Ajman – almunzti-
Plot No. 0022

Proposed G+3 Building

- ▶ Client:
M/s. Saud Abdelaziz Alserkal
- ▶ Consultant:
M/s Mazaya Consulting Engineers
- ▶ Contractor:
M/s Remal Al Sahraa Building Cont.
- ▶ Location:
Muwailih Commercial/ Sharjah



G+m+1 Showroom

- ▶ Client:
Mr. salim Obaid Alswaidi
- ▶ Consultant:
M/s Enmaa
- ▶ Contractor:
M/s Al Jawal Contracting.
- ▶ Location:
3222- Govt-mulk:35 I /23
Ard Almustawdaat, Sharjah



Sharjah Sports Club Ladies & Gents (Gym)

- ▶ Client:
Mr:
- ▶ Consultant:
M/s Architecture House
- ▶ Contracto:
M/s
- ▶ Location:
601/mulk No. 1/1085
Al Hazzana, sharjah



Residential Building Ground + 4 Floors

- ▶ **Client:**
M/s. Anoud Sallam Mousa
- ▶ **Consultant:**
M/s Mazaya Consulting Engineers
- ▶ **Contractor :**
M/s Suhaib Bldg. Cont LLC
- ▶ **Location:** Plot No. 752
Al Naba'ah - Sharjah



Proposed Resi. (G+4typ.)

- ▶ **Client:**
Mr. Saif Sultan Rashed
Majed Alshamsi
- ▶ **Consultant:**
M/s Infinity Engineering Consultants
- ▶ **Contractor:**
M/s Modern Systems Contracting
- ▶ **Location:** Plot No. 0233
Nuaimya I , Ajman



Shopping Center B + G + 2 Floors

- ▶ **Client:**
Ali Moussa Ali Sayf Al Naqaby
- ▶ **Consultant:**
M/s Mazaya Consulting Engineers
- ▶ **Contractor :**
M/s Ali Mousa & Sons Contracting
- ▶ **Location:** Plot No.16 Mulk-65
Um Al Tarafa - Sharjah



◆ Comprehensive Improvements
of The Parallel Roads, R881

- ▶ Client:
Road & Transport Authority (RTA)
- ▶ Consultant:
Parsons
- ▶ Contractor:
Sungwon Corporation
- ▶ Location:
Dubai Truck Road, U.A.E.



◆ Dubai Metro Projects
(Only Material Supply)

- ▶ Client:
Road & Transport Authority
(RTA)
- ▶ Consultant: Systra Int
- ▶ Contractor: JT Metro JV
- ▶ Location:
Dubai, U.A.E.

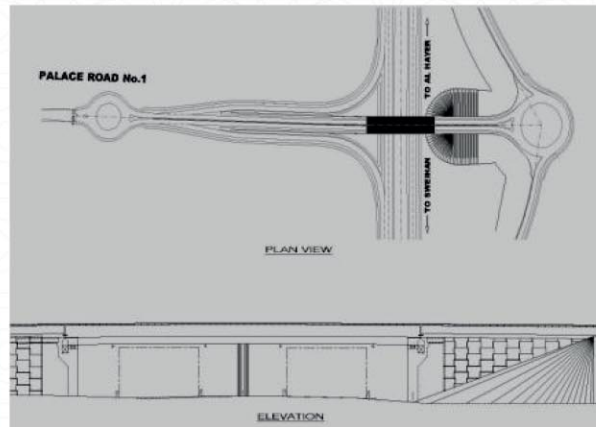
◆ Dubai Mono Rail Project

- ▶ Client:
Nakheel
- ▶ Consultant:
Parsonint
- ▶ Contracto:
Obayashi
- ▶ Location:
Dubai, U.A.E.



Construction of Bridge & Underpass of Nahil (E20) Road

- ▶ **Client:**
Department of Transportation, Abu Dhabi
- ▶ **Consultant:**
AECOM Middle East
- ▶ **Contractor:** BATCO
- ▶ **Location:**
Abu Dhabi / Al Ain Road, U.A.E.



Bridge to Serve the Labour City in Mafraq

- ▶ **Client:**
Municipality of Abu Dhabi
- ▶ **Consultant:**
Jacobs GIBB Ltd
- ▶ **Contractor:**
Al Jaber Transport & General Contracting
- ▶ **Location:** Abu Dhabi / Al Ain Truck Road, U.A.E.



Al Mafraq Interchange

- ▶ **Client:**
Municipality of Abu Dhabi City
- ▶ **Consultant:**
Hyder Consulting
- ▶ **Contractor:**
Al Jaber Transport & General Contracting
- ▶ **Location:** Abu Dhabi, U.A.E.









ANGLO EAST
POST TENSION LLC

AL MAJD
Pre-stressing cont.



TENSA .ITALY



PREVIOUS APPROVED

ANGLO EAST
POST TENSION LLC



PROJECT DETAILS: PROPOSED RETAIL & RESIDENTIAL BUILDING (G+6+GYM)
 ON PLOT NO. 6731278 AT AL BARSHA SOUTH THIRD, DUBAI
 MR.MEZUK MOHAMAD MOHAMAD ASHRAF & SHAMEER KASIM PALIATHAZHATHU

SUBCONTRACTOR / SUPPLIER APPROVAL REQUEST

| | | |
|---|--|--|
| Project No : 267 | Date: 13.07.2022 | Contractor: M/s ASHIYANA CONTRACTING L.L.C |
| Item: POST TENSION. | | MAR No: AC/267/CIVIL/PQ/008 Rev: 0 |
| Spec Clause : 10-13-24.... BOQ :3..... Dwg:S-03-01 TO S-03-08..... | | |
| Spec Description: For POSTENSION WORK | | |
| Sub-Con./Supplier: M/S.ANGLO EAST POST TENSION LLC. | | |
| Manufacturer : M/S.ANGLO EAST POST TENSION LLC. | | |
| Country of Origin : UAE | | |
| Variation from Spec.: | | |
| Encl: PRE- QUALIFICATION BOOK WITH CD | | |
| Date Submitted: ... 13/07/2022..... | Approval required by:/...../..... | |
| Signed:  | Signed: | |
| Main-Contractor: | Sub-Contractor: | |
| Status <input type="checkbox"/> A Approved <input checked="" type="checkbox"/> B Approved as noted <input type="checkbox"/> C Not approved – Resubmit as noted | | |
| Comments: <i>No object to proceed.</i> <i>Sample provision of the vendor.</i> <i>related material submitted and sample to be provided.</i> | | |
| Consultant: EMSQUARE ENGINEERING CONSULTANTS | Signed:  Date: 20/07/2022 | |

Submittal No: -AC/256/MS/DT/018

Date:-25.11.2020

Client: Mr.Mohamad Rashid Shafiullah,Mohammad Shahid Shafiullah & Mohammad Ahmad Shafiullah
Project: PROPOSED G+1 FLOOR RESIDENTIAL BUILD. ON PLOT NO.5310178 AT SAIH SHUAIB II, DUBAI
Contractor: ASHIYANA CONTRACTING LLCS

Type of Submittal

Drawing Material Sub-Contractor

Description: POST TENSION
METHOD OF STATEMENT SOFT COPY (CD) ATTACHED

Enclosures:

Correspondence

Samples

Leaflets

Equal Approved

Catalogues

Letter/Fax

Specified
Brochure

| | | |
|-------------------------------|-------------------------------|-------------------------------|
| Manufacturer | Sub-Contractor | Submitted for: Approved 48652 |
| ANGLO EAST POST TENSION L.L.C | ANGLO EAST POST TENSION L.L.C | Name: Engr. Barakat J.A.E. |

"NOTICE: B.O.Q/SPEC. RELATED TO BE ATTACHED OTHERWISE THE SUBMITTAL WILL BE REJECTED"

Consultant's Comments: Experienced supervisory staff to kept at site to carryout the work as per approved

- 1- Initial stressing of the tendons to be done only when cube results achieve 25% of the slab concrete strength.
- 2- 25% of the slab concrete strength.
- 3- Final stressing of the tendons to be done only when cube results achieve 70% of the slab concrete strength.
- 4- concrete strength.
- 5- Details of the deshuttering and rebaring to be added in the method statement.

Ⓟ All work to be done in compliance with local authorities rules & regulations.

Ⓟ Safety manual to be submitted separately.

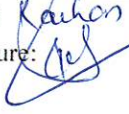
Approved

Approved with comments

Not Approved

Consultant

Name: Kahan

Signature: 

Date:

Submittal No: - AC/256/MS/CIVIL/029

Date:-25.11.2020

Client: Mr.Mohamad Rashid Shafiullah, Mohammad Shahid Shafiullah & Mohammad Ahmad Shafiullah

Project: PROPOSED G+1 FLOOR RESIDENTIAL BUILD. ON PLOT NO.5310178 AT SAIH SHUAIB II, DUBAI

Contractor: ASHIYANA CONTRACTING LLC

Type of Submittal

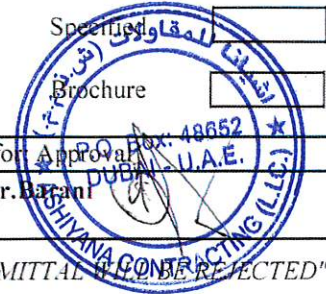
Drawing Material Sub-Contractor

Description: POST TENSION MATERIAL APPROVAL
SOFT COPY (CD) ATTACHED

Enclosures:

Correspondence Samples Leaflets Specified
Equal Approved Catalogues Letter/Fax Brochure

| | | |
|--|--|------------------------|
| Manufacturer | Sub-Contractor/Supplier | Submitted for Approval |
| ANGLO EAST POST TENSION CONCRETE CONT. | ANGLO EAST POST TENSION CONCRETE CONT. | Name: Engr. Barani |



"NOTICE: B.O./SPEC. RELATED TO BE ATTACHED OTHERWISE THE SUBMITTAL WILL BE REJECTED"

Consultant's Comments: Type of strand to be used will be approved subject PT slab design submission

- 1- and approval from authorities.
- 2- Post tensioning system to be used strictly in accordance to the recommendation of the manufacturer.
- 3- All the components to be stored in clean & dry condition.
- 4- All the components shall also be free from loose rust & loose mill scale during fixing in position & concreting work.
- 5- Components or material delivered at site shall be provided with all test certificate.

Approved Approved with comments Not Approved

Consultant
Name: *Kashem*
Signature: *[Signature]*
Date: *[Date]*

Prior to commencement of initial & final stressing, calibration for jacks to be provided.
 Stressing sheet report along with desluttering letter shall be issued to consultant before cutting of strand.
 Grout material cube test to be conducted for final approval.

PROJECT TITLE: 18031 | Residential Building (B+G+5+R) on Plot No:JVT05IMRA003,AL Barsha south fifth, Dubai – UAE.

| | | |
|--|---|---|
| THE EMPLOYER:  TARAF PROPERTIES DMCC | THE ENGINEER:  CVTEC CONSULTING ENGINEERS | THE CONTRACTOR:  |
|--|---|---|

MATERIAL APPROVAL REQUEST

| | |
|---------------------|-------------------|
| MAR. No. | 3020 |
| Revision No. | 00 |
| Date: | 04-05-2021 |

Material Description Material Submittal for Posttension (Anglo East Post Tension LLC)

| | |
|---|---------------------------------|
| Material Trade Name: <input type="checkbox"/> Listed <input checked="" type="checkbox"/> Proposed | Manufacturer / Supplier: |
| Country of Origin: | |

| | | |
|--|----------------------------------|--------------------------|
| Contract Specification Details: | Technical Specifications: | Discipline: Civil |
|--|----------------------------------|--------------------------|

Location / Area of Use: Structural Slabs
Technical Details of proposed materials:

Attachments :-

| | | | |
|----------------------------------|------------------------------|---|--|
| 1 Specification Comparison Sheet | Yes <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | 4 <u>Other Supporting Documents</u> attached (if any): |
| 2 Samples submitted | Yes <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| 3 Original Brochure | Yes <input type="checkbox"/> | N/A <input type="checkbox"/> | |

Notes / Comments:


For CONTRACTOR:
Name: A. Balaji **Signature:** 
Designation: Site Engineer



CVTEC Approval Status / Comments

| | | | |
|--|---|---|--|
| Approval Code- (A) <input type="checkbox"/> Approved | Approval Code- (B) <input checked="" type="checkbox"/> Approved with Comments | Approval Code- (C) <input type="checkbox"/> Incorporate Comments, Revise and Resubmit | Approval Code- (D) <input type="checkbox"/> Not Approved |
|--|---|---|--|

Comments: - *No objection subject to sample board submission*

Name: *Mohaz* **Signature:** 
Designation: *RE* **Date:** *04.05.21*

EMPLOYER Comments

Name: **Signature:**
Designation: **Date:**

| | | | | | |
|---|---|---|-----------------------|-------------|--|
|  |  |  | Document Reference | | |
| | | | DAO-AMC-CIVIL-MAR-035 | | |
| | | | Rev. No. | Date Issued | |
| | | | 00 | 16-06-2021 | |
| MATERIAL SUBMITTAL | | | | Page | |
| | | | | 1 of 1 | |

| | |
|-------------------------|--|
| PROJECT NAME: | BIN YABER DRIVING INSTITUTE / JEBEL ALI |
| CLIENT: | MOHAMED JABER ABDULLA MOHAMED AL HARBI |
| CONSULTANT: | DAR AL OMRAN ENGINEERING CONSULTANTS |
| MAIN-CONTRACTOR: | AL MEMZAR CONTRACTING |

| | |
|-----------------|--|
| SUBJECT: | Material Submittal for Post Tension Works |
|-----------------|--|

| |
|---|
| DISCIPLINE: |
| <input checked="" type="checkbox"/> Civil <input type="checkbox"/> Architectural <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input type="checkbox"/> HVAC <input type="checkbox"/> Others: _____ |

| | | |
|-------------------------------------|---|---|
| We submit the following for: | <input checked="" type="checkbox"/> APPROVAL | <input type="checkbox"/> INFORMATION & RECORD ONLY |
|-------------------------------------|---|---|


| |
|--|
| ENCLOSED: |
| <input type="checkbox"/> Pre-Qualification <input type="checkbox"/> Method Statement <input type="checkbox"/> Calculation <input type="checkbox"/> Samples <input type="checkbox"/> Warranty |
| <input type="checkbox"/> O & M Manual (Final) <input type="checkbox"/> Test Reports <input type="checkbox"/> Compliance Statement <input checked="" type="checkbox"/> Others (Specify) Material Submittal |

| |
|-----------------------|
| OTHER REMARKS: |
| |
| |
| |

| | | |
|--|---|-------------------------|
| Contractor's Authorized Representative: |  | Date: 16-06-2021 |
|--|---|-------------------------|

| |
|--|
| DOCUMENT REVIEW STATUS: |
| <input type="checkbox"/> A - Approved <input checked="" type="checkbox"/> B - Approved as Noted. <input type="checkbox"/> C - Revise and Resubmit. <input type="checkbox"/> D - Rejected |

| |
|--|
| CONSULTANT'S COMMENTS |
| 1. Submit relevant MIR for approval. 2. Provide compliance statement with MIR. 3. Material delivered on site shall be in compliance with the projects approved drawings/specifications. 4. Random sample to be selected for testing as per project's specification. |
| |
| |
| |

| | |
|--|---|
| Consultant's Representative: (Name/MS nature/Date)  Resident Engineer 13/7/2021 | Received by Contractor: (Name/ Signature/Date) |
|--|---|

| | | |
|----------|---|---|
| Employer | Consultant | Contractor |
| |  داتوم للاستشارات الهندسية ENGINEERING CONSULTANTS |  AUTO BUILD CONSTRUCTION |

| | |
|-----------------------|----------------------|
| DOCUMENTS TRANSMITTAL | No. 0018 Rev: 0 |
| | Date: 24-05-2022 |

Project Information: RESIDENTIAL & COMMERCIAL BUILDING ON PLOT NO. 3220139 AT AL HUDAIBA

| | |
|-------------|-------------------------------------|
| Project: | BUILDING (B+ G+2) |
| Employer: | M/S AYESHA FAIROOZ KHAMIS ALSUWAIDI |
| Consultant: | Datum Engineering Consultants |
| Contractor: | Autobuild Construction |

1-Subject & Description : ANGLO EAST POST TENSION LLC


2- Type of Submittal :

Prequalification
 Calculation
 Method statement
 Schedule
 Quotation
 Other

3- Submittal Details:

1. POST TENSION SYSTEM & SYSTEM
2. COMPAY PROFILE AND CERTIFECATES
3.
4.
5.
6.
7.

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

| | |
|---|--|
| Contractor: Eng- Samy Akl Date: 23-05-2022 |  Received by Consultant: 25 MAY 2022 Date: RECEIVED Sign: [Signature] Time: 8:00 AM |
|---|--|

4-Consultant's Response

→ No objection, subject to the following:-

- 1⊕ Sample board for PT System Components shall be submitted.
- 2⊕ Calibration certificate for stressing Jack with gauge shall be submitted.
- 3⊕ PT design Calculations and drawings coordinated with MEP installations and requirements shall be submitted for final review & obtain DM approval.
- 4⊕ All PT works at the Site shall be carried out

Approved
 Approved as noted
 Resubmit as noted
 Rejected

| | |
|---------------------------------------|----------------------------------|
| Consultant: Waleed Date: 25/5/2022 | Received by Contractor: Date: |
|---------------------------------------|----------------------------------|

Approval shall not relieve Contractor of any of his obligations under the Contract or constitute authorization of any change to Contract Documents or variation to the works. Contractor is responsible for dimensions, quantities and coordination with other trades.

as per approved DM drawings, the Designer Engineer's comments and according to the Latest Authorities regulations & Criteria.

| | | | |
|----------|------------|---|---|
| Employer | Consultant |  | Contractor |
| | | |  |

| | | |
|------------------------------|----------|--------|
| DOCUMENTS TRANSMITTAL | No. 0018 | Rev: 0 |
| Date: 24-05-2022 | | |

Project Information: RESIDENTIAL & COMMERCIAL BUILDING ON PLOT NO. 3220139 AT AL HUDAIBA

| | |
|-------------|-------------------------------------|
| Project: | BUILDING (B+ G+2) |
| Employer: | M/S AYESHA FAIROOZ KHAMIS ALSUWAIDI |
| Consultant: | Datum Engineering Consultants |
| Contractor: | Autobuild Construction |


1-Subject & Description : ANGLO EAST POST TENSION LLC

2- Type of Submittal :

Prequalification
 Calculation
 Method statement
 Schedule
 Quotation
 Other

- 3- Submittal Details:**
1. POST TENSION SYSTEM & SYSTEM
 2. COMPAY PROFILE AND CERTIFECATES
 3.
 4.
 5.
 6.
 7.

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

| | |
|---|--|
| Contractor: Eng- Samy Akl Date: 23-05-2022 |  <p>Received by Consultant: 25 MAY 2022 RECEIVED Sign: [Signature] Time: 8:00 AM</p> |
|---|--|

4-Consultant's Response

5. All required tests for concrete casting, initial & final stressing and grouting works shall be done and the related report, result shall be submitted to the Engineer for review & records.

6. Initial stressing value 1500 PST @ 2 days (25%)
Final stressing value 6500 PST @ 6 days (80%)

Approved
 Approved as noted
 Resubmit as noted
 Rejected

| | |
|---------------------------------------|----------------------------------|
| Consultant: Waleed Date: 25/5/2022 | Received by Contractor: Date: |
|---------------------------------------|----------------------------------|

Approval shall not relieve Contractor of any of his obligations under the Contract or constitute authorization of any change to Contract Documents or variation to the works. Contractor is responsible for dimensions, quantities and coordination with other trades.

Technical Review Report

SR Ref: CEDSR-70627

Submission Count: 1

Report Date: 16-Jun-2020

Applicant Information

| | |
|-----------------|--|
| Client Name | WALEED MOHAMMAD MOHAMMAD |
| Trakhees ID | P-0-044611 |
| Consultant Name | DESIGN CENTER ARCHITECTS & ENGINEERING CONSULTANCY |
| Trakhees ID | C-0009-038924 |
| Contractor Name | Anglo East Post Tension (L.L.C) |
| Trakhees ID | C-0017-047940 |

Project Information

| | |
|---------------------|-------------------------------------|
| Project Location | Jumeirah Village Circle |
| Plot No. | JVC12XHRA004 |
| Project ID (if any) | 17097 |
| Project Description | |
| Subject | POST TENSION FOR PODIUM 1,2,3 AND 4 |

Service Request Reference

| | | | |
|-------------------|--------------------|--------------|-------------|
| Service Requested | Post Tension - New | | |
| Service Request # | CEDSR-70627 | Requested on | 03-Jun-2020 |

Review Comments

| | | |
|--|---------------|-------------|
| TKS Structure Comments | Reviewer | yaser.jazar |
| | Review Status | RESUBMIT |
| 1. • PT contractor appointment letter shall be submitted | | |
| Submission is returned without review due to major missing documents ... [To be responded] | | |

Final Status

RESUBMIT

Note:

- This is a system generated Technical Report and doesn't require signatures.
- Refer comments marked as [To be responded] and provide relevant response for Trakhees Review.
- Pending Re-submission requests will be cancelled if not responded in time.
- **Applicants submitting/resubmitting documents or drawings without implementing previous comments OR submitting/resubmitting drawings, data, calculations or information that are incomplete, without sufficient details, unclear, incorrect, not in agreement with other area or disciplines (Architectural/Structural/Services) OR submitting drawings for works already executed at site without mentioning the status of such work etc., will be subject to imposing relevant penalties in compliance with Trakhees CED violation procedures.**

| | | |
|---------------------|---|---|
| CLIENT | CONSULTANT | CONTRACTOR |
| ALYA HELAL ALHAMELI |  |  |

Project: PROPOSED (G+2P+8+R) RESIDENTIAL & COMMERCIAL BUILDING

From: ASHIYANA CONTRACTING LLC

To: ERGA PROGRESS

Technical Submittal

Ref. No. TS/AC/260/003-Rev/01

Date: 27.09-2021

Description of Submittal : Post Tension - 2 Sets

Required By:

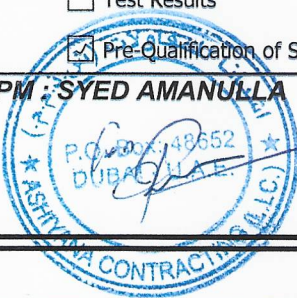
Division: CIVIL

Originator of Submittal : Anglo East Post Tension LLC

Enclosed: Test Results Method Statement Certificate
 Pre-Qualification of Subcontractor Others

Contractor's PM : SYED AMANULLA
Signature & Date

Received By ERGA progress:
Signature & Date



Review Status

A. Approved B. Approved As Noted C. Approved As Noted, Resubmit D. Not Approved, Resubmit

Engineer's Representative Comments:

No OBJECTION SUBJECT TO (COST SAVINGS)

Engineer's Representative :
Signature & Date

Received by Contractor :
Signature & Date

[Handwritten Signature]

Corrections or comments made relative to submittals during this review do not relieve the contractor from compliance with the contract requirements and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents.

10th of MAY 2021

SUBJECT: LETTER OF APPRECIATION

ESKAN ENGINEERING CONSULTANCY HEREBY that **M/S. ANGLO EAST POST TENSION.LLC (P.O.BOX:454648) Dubai, U.A.E.** has worked with us on the following project:-

1-PROJECT: PROPOSED VILLA (G+1), PLOT NO : 6185703, NADD AL SHIBA FIRST-DUBAI- U.A.E

Their credentials and performance are ranked to be very good

This certificate was issued upon their request, without owing any liabilities or obligations whatsoever to our firm

This is for your kind information and record.

With best regards

ESKAN ENGINEERING CONSULTANCY

Amgad Temraz
Managing Director





FUTURE ART



AL MEMZAR

MATERIAL SUBMITTAL FORM

| | | |
|---|---------------------------------------|------------------|
| Reference No: MSF/J-355/2021-004 | Rev:01 | Date: 23/12/2021 |
| Project Name: PROPOSED G+6+R RESIDENTIAL BUILDING | | |
| Owner/Client: MOHD NABIL ABDULRAHIM GARGASH | | |
| Building Permit : 370613 - 4 - 1 | Plot/Parcel ID: 4210249 | |
| Engineer: FUTURE ART ENGINEERING | Contractor: AL MEMZAR CONTRACTING LLC | |

| | |
|--|---------------------------------------|
| Details | |
| Discipline: <input checked="" type="checkbox"/> Civil <input type="checkbox"/> Architectural <input type="checkbox"/> Electrical <input type="checkbox"/> Mechanical <input type="checkbox"/> Others | |
| BOQ Reference: | Tender/Shop Drawing Reference: |
| Specs Reference: | Method Statement Reference: |
| Material Brand / Name: | Supplier: ANGLO EAST POST TENSION LLC |

Material Description: MATERIAL SUBMITTAL AND METHOD OF STATEMENT FOR POST TENSION

Attachments:

- BOQ Sheet Approved Shop Drawing Specs Sheet Technical Data Sheet Sample
 Method Statement Compliance Statement Tests Others

Contractor's Approval

| | | |
|-------------------------------------|------------------------------|--------------------|
| Material/Procurement/QA/QC Engineer | Signature: | |
| Approved By: ENG. KAHTAN | Designation: Project Manager | Signature & Stamp: |

Engineer's Comments

NO objection subject to:
 * DEL accreditation for the proposed material.
 * Site performance as per the requirements of approved PT design, Project Specs and DIT recommendations.

Status: Approved Approved with comments Revise and Resubmit Rejected

| | | |
|------------------------|-----------|---------------------|
| Engineer | Signature | |
| Resident Engineer | Signature | |
| Received By Contractor | Date | Signature and Stamp |

Client's Comments (in case of need)

Status: Approved Approved with comments Revise and Resubmit Rejected

| | | |
|------------------------|-------|-----------------------|
| Signature: | Date: | Received by Engineer: |
| Received By Contractor | Date | Signature and Stamp |



22 December 2019

IACED/0744/19

CONSULTANT : ISLAMIC ARCHITECTS CONSULTING ENGINEERS
PROJECT : COMMERCIAL BUILDING (B+G+M+2+R)
Plot No. : PLOT NO. 312-177 AT AL SOUK AL KABEER, DUBAI, U.A.E.
CONTRACTOR : BAIT AL YAZI CONTRACTING

CLIENT : SHARIF MOHAMMAD SHOAIB, SHAMIMA SHAHLA SHAFIQ, HASHIM AHMAD
ABDULLA KHOORY & FATMA ABDULLA YOUSAF KHOORY & SHAFADA HASHIM
AHMAD KHOORY

TO WHOM IT MAY CONCERN;

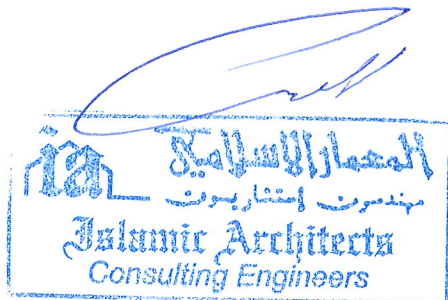
This letter for acknowledgment that "**ANGLO EAST POST TENSION. LLC**"

Had Carry out our aforementioned project in post tension works with "**BAIT AL YAZI
CONTRACTING**" in a technical manner and without any delay or defects.

And we give this letter for acknowledgment.

Best regards,

ISLAMIC ARCHITECTS CONSULTING ENGINEERS





شركة ألف بام لمقاولات البناء ذ.م.م. AB BUILDING CONTRACTING CO. L.L.C.

Date: 30-12-2019

CONTRACTOR: AB BUILDING CONTRACTING CO.L.L.C.

CONSULTANT: ARCHITECTURAL & ENGINEERING CONSULTANTS (ARENCO)

PROJECT : RESIDENTIAL & COMMERICAL BUILDING (4B+G+15+2PH)

Plot No.: D-13, AT CULTURE VILLAGE, DUBAI, U.A.E.

TO WHIOM IT MAY CONCERN

This letter for acknowledgment that "ANGLO EAST POST TENSION. LLC" had Carry out post tension works at our aforementioned" in a technical manner and without any delay or defects.

And we give this letter for acknowledgment.

With best regards

AB BUILDING CONTRACTING CO.L.L.C.



Date: 17-09-2020

To Whom It May Concern

Subject: Letter of Appreciation

National Engineering Bureau (N.E.B) hereby that **M/S. ANGLO EAST POST TENSION. LLC (P.O.BOX:454648) Dubai, U.A.E** has worked with us on the following project:-

1- PROJECT: COMM'L & RES'L BUILDING (2B+G+7+HC) At ALJADAF- DUBAI - U.A.E.

Their credentials and performance are ranked to be very good
This certificate was issued upon their request, without owing any liabilities or obligations whatsoever to our firm
This is for your kind information and record

With best regards

NATIONAL ENGINEERING BUREAU



HEAD OFFICE:

P.O. Box: 26644 - Dubai, U.A.E.

Tel. : +971 4 324 2020
Fax. : +971 4 324 4255

BRANCHES:

UAE | KSA | QATAR | LEBANON

info@neb.ae
www.neb.ae



ISO 9001:2008
OHSAS 18001:2007



Reg. No. 687286
Reg. No. 687419

| | | | |
|----------------|------------------|-------|-------------------|
| Reference No.: | SCSUB 010 | Date: | 03/01/2021 |
|----------------|------------------|-------|-------------------|

| | |
|-----------------------|---|
| Project Description : | RES. BUILDING G+2P+8+R |
| Client's Name : | MR. Abdalkarim Abdulmajeed shehada Aboudaqqa |
| Plot No : | 3347192 |
| Location : | AL SATWA , DUBAI |
| Consultant : | POE Architects & Engineers |
| Contractor : | Al Wathba Building Contracting |

| | |
|---|--|
| FROM: Al Wathba building contracting co. | TO: POE Architects &Engineering |
|---|--|

| | |
|--|---|
| Attachments: | Discipline: |
| <input type="checkbox"/> Samples <input type="checkbox"/> Drawings / Sketches <input type="checkbox"/> Others: | <input checked="" type="checkbox"/> Original Brochure <input type="checkbox"/> Specification <input type="checkbox"/> Others: |
| | <input checked="" type="checkbox"/> Civil / Structural <input type="checkbox"/> Architectural <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> ELV / IT |

| | |
|---------------------------|---|
| SUPPLIER: | |
| Work to be Subcontracted: | POST TENTION FOR SLABS |
| Name of SUBCONTRACTOR | ANGLO EAST POST TENTION L.L.C |
| Country of Origin: | UAE |
| Description & Scope of | DESIGN ,SUPPLYING MATERIALS AND SUPERVISION FOR POST-TENTION FOR SLABS |

| | |
|---|--|
| CONSULTANT/ENGINEER'S COMMENTS & RECOMMENDATIONS: | Received by Consultant: |
| <p><i>approved Anglo East post Tension subjected to:- 1) shop draings and materiel submitted to be submitted and approved</i></p> | <p><i>3/1/2021</i></p> <p>Consultant's Stamp</p> |
| <input type="checkbox"/> Code 1 - Work may proceed. <input checked="" type="checkbox"/> Code 2 - Revise and resubmit. Work may proceed subject to incorporation of comments indicated. <input type="checkbox"/> Code 3 - Revise and resubmit. Work may not proceed. <input type="checkbox"/> Code 4 - Review not required. Work may proceed. | |
| <p><i>AS</i></p> <p>Engineer's Representative</p> | <p><i>3-1-2021</i></p> <p>Date</p> |

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| FOR OWNER'S USE: |
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| Approval Status: |
| <input type="checkbox"/> 1 - Work may proceed. <input type="checkbox"/> 2 - Revise and resubmit. Work may proceed subject to incorporation of comments indicated. <input type="checkbox"/> 3 - Revise and resubmit. Work may not proceed. <input type="checkbox"/> 4 - Review not required. Work may proceed. |

| | |
|-----------|------|
| Signature | Date |
|-----------|------|



| | | | |
|----------|-----------|-------|-------------------------------|
| Ref No.: | CT/SH/076 | Date: | 02 nd January 2020 |
|----------|-----------|-------|-------------------------------|

TO WHOM IT MAY CONCERN

SUBJECT: LETTER OF APPRECIATION

Eng. Adnan Saffarini Office (EAS) hereby acknowledges that **M/s. Anglo East Post Tension L.L.C.** (P.O.Box: 454648) Dubai, U.A.E has worked with us on the following project:-

1. Project: "Giovanni Boutique Suites" Consists of (2B + G+ 20TYP + HC) On Plot No. (R9-11) (682-1369) at Dubai Sports City, Dubai – United Arab Emirates.

Their credentials and performance are ranked to be very good.

This certificate was issued upon their request, without owing any liabilities or obligations whatsoever to our firm.

This is for your kind information and record.

Yours faithfully,

For and on behalf of **ENG. ADNAN SAFFARINI OFFICE**

Sameeh Khasati,
Contracts Manager



Cc: File.

SUBMITTAL TRANSMITTAL SHEET # 1019/PRQ/STR/011

| | | | |
|--------------|---|-------------|------------|
| Project Name | G+P+9 Floors + Roof Mixed use Building on plot No: 6457840 | Project No. | 1019 |
| | | Date | 01-04-2020 |

| | | | |
|------------------|---|-----------|----|
| Submittal No.: | 1019/HB/MD/MEM/ARC/01 | Revision: | 00 |
| Submittal Title: | Pre-Qualification for ANGLO EAST POST TENSION WORKS _For Post tension Works | | |

We are sending herewith under separate cover the drawings / documents / samples listed below:

| ITEM NO. | DWGS. SPECS BOQ REF. | DESCRIPTION | TYPE | COPIES | REMARKS | STATUS |
|----------|-----------------------------------|---|------|--------|--------------|--------|
| 01. | Bill No. 03- Concrete Works | Pre-Qualification for ANGLO EAST POST TENSION WORKS _For Post tension Works | MD | 01 | HARD COPY | |

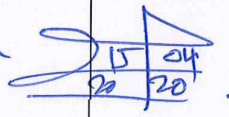
TYPE: SD= Shop Drawings, SM= Sample, GT= Guarantee, MD= Manufacturer's Data, CT= Certificates, TT= Test Results, OT= Other

Sub-Contractor/Supplier / Manufacturer: **M/s Electra Elevator & Escalators**
We certify that the documents / materials submitted herewith have been reviewed in detail and are in strict conformance with the contract drawings and specifications except as otherwise stated.

| | | | |
|---|---|-----------|---|
| Contractor Engr. Name Engr. Nazeh (Project Manager) | Contractor Engr. Signature  AL MEMZAR | Rcv'd By: |  |
| | | Date: | |

Design Consultant Review Comments :

| | |
|--|---|
| Please Refer to the attached documents comments by Structural Engineer. | Consultant Decision |
| | <input type="checkbox"/> Approved |
| | <input checked="" type="checkbox"/> Approved As Noted |
| | <input type="checkbox"/> Not Approved |
| | <input type="checkbox"/> Not Required |

| | | |
|---|---|-----------|
| Consultant Engr. Name Moh'd Nadeem | Consultant Engr. Signature  | Rcv'd By: |
| | | Date: |
| | | Date: |

Corrections or comments made relative to submittals during this review do not relieve the contractor from compliance with the requirements of The Contract. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades and performing his work in a safe and satisfactory manner.

Copy to:

Head Office Consultant QS Other

Sheet No. 01 of 01



Site Staff Comments

| | | | |
|------------------|---|----------------------|---------------|
| Subject: | Comment on Submittal for Post Tension Works Pre-Qualification | | |
| Project: | HAREB Building G+P+9+R Plot No. 645-7840, Wadi Al Safa 3, Dubai UAE | | |
| Main Contractor: | Al Memzar | Received Date: | 01 April 2020 |
| Document No.: | 1019/HB/PRQ/MEM/STR/004 | Revision: | 00 |
| Sub-Contractor: | ANGLO East Post Tension LLC | Area of Application: | ALL PT Slab |
| Submittal Title: | Pre-Qualification for Post Tension Works | | |


This review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Corrections or comments made on the submittals during this review do not relieve the CONTRACTOR from compliance with the requirements of the plans and specifications. An opinion of equivalence of a specific item shall not be interpreted as an opinion of equivalence of an assembly of which the item is a component. Submittal review comments have been made within this format and not on the submittal sheets according to the following:

APP APPROVED
AAN APPROVED AS NOTED
NR NOT REQUIRED
NA NOT APPROVED

Latest available Design drawings, specification, and site requirements have been used in the review with the following conducted remarks.

| Item No. | Comments | Code |
|----------|---|------------|
| | Submittal for Post Tension Works Pre-Qualification has been reviewed and found accepted. | AAN |
| | No objection subject to the followings. | |
| 1 | Submittal is approved for post tension works subcontractor only. | |
| 2 | Full compliance to project specifications and authority regulations. | |
| 3 | Method statement to be submitted separately subject for approval. | |
| | | |
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END OF COMMENTS

| | |
|-------------------------|---|
| Reviewed by STR: | |
| Name: | Ruel Conciso |
| Designation: | Structural Engineer |
| Date: | April 14, 2020 |
| Signature: |  |

| | |
|---------------------------|--|
| Reviewed by ARCH.: | |
| Name: | |
| Designation: | |
| Date: | |
| Signature: | |

| | |
|-------------------------|--|
| Reviewed by MEP: | |
| Name: | |
| Designation: | |
| Date: | |
| Signature: | |

| | | |
|---|---|---|
| Client Mr. SAEED SULTAN MATAR MARKHAN AL KETBI |  Golden Triangle ENGINEERING CONSULTANCY جولدن تريانجيل للاستشارات الهندسية | Main Contractor  AUTO BUILD |
|---|---|---|


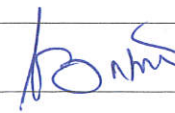
APPROVAL OF SUPPLIER

| | | | |
|---|---|--------------------------|--|
| Project Name: | Proposed Commercial Shops | Project Code: | |
| | | Date: 11-11-2023 | |
| Plot No / Location: 2823337 In Al Khwanej 2nd , DUBAI – U.A.E. | | Ref. No: 05 | |
| Main Contractor: Autobuild Construction L.L.C | | | |
| Department: | <input type="checkbox"/> Architectural <input type="checkbox"/> Civil <input type="checkbox"/> Electrical <input type="checkbox"/> Mechanical <input type="checkbox"/> Structural | | |
| Work Description | Post Tension Works | | |
| S.No. | EEC Specified Sub-Contractor | Same As Specified | Alternative Proposed Sub-Contractor |
| | ANGLO EAST Post Tension LLC | | |
| Enclosure: | | | |
| Reason for Alternation: | | | |
| Submitted By: (Name) Eng. Mohamed | | Signature: | Date: 11-11-2023 |
| Received By: (Name) | | Signature: | Date: |

BELOW PORTION FOR GT USE ONLY

| | | | |
|---|--|-------------------------|--|
| Status: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved as noted <input type="checkbox"/> Resubmitted <input type="checkbox"/> Rejected | | | |
| Comments: <small>(Refer to NEB -SF37)</small> | NO OBJECTION: 1. subject to DM 2. send shop drawings | | <div style="border: 2px solid blue; padding: 5px; display: inline-block;"> <p style="font-size: 24px; margin: 0;">APPROVED</p> <p style="margin: 0;">GOLDEN TRIANGLE CONSULTANT ENGINEERING</p> </div> |
| Signed By: (Name) Ahmed Ammar | Signature: | Date: 13/11/2023 | |
| Hand Over to: (Name) | Signature: | Date: | |
| Client Approval : (Name) | Signature: | Date: | |
| Comments: | <hr/> <hr/> <hr/> <hr/> <hr/> | | |

Clearing of above named documents is 14 days from submission date as per GT requirements.

| | | | | |
|---|-----------------------------|--|---|--|
| Project RESIDENTIAL BUILDING (1B+G+10F+R) ON PLOT NO. 673-1123, AL BARSHA SOUTH THIRD, DUBAI (OXFORD GARDEN 1) | | | | |
| Material Arrival Notice | | | | |
| Notice No. AC/275/CVL/MIR/026 | | Date 06.01.2024 | | |
| Date of Arrival 06.01.2024 | | Time of Arrival As per attached sheets | | |
| Manufacturer TENSA-ITALY | | | | |
| Supplier/Agent Anglo East | | | | |
| Intended Use RCC Works (PT Slab) | | | | |
| Is this material approved for this project? | | Yes <input checked="" type="checkbox"/> | | No <input type="checkbox"/> |
| | | Material Submittal Reference | | Dated |
| Architecture | Structure | Electrical | Mechanical | AC/275/CVL/MS/0021 |
| | | | | 28.12.2023 |
| No | Material Description | | Quantity (Nos.) | Delivery Note |
| 1 | Ancho S3 | | 92 Nos | Way Bill, certificate of origin, mill certificate & delivery note from Anglo East attached |
| 2 | Anchor S5 | | 01 No | |
| 3 | Anchor Block S3 | | 92 Nos | |
| 4 | Anchor Block S5 | | 01 No | |
| 5 | Wedge | | 281 Nos | |
| Total | | | | |
| Initial Inspection: The Manufacturer/ Supplier is approved | | | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Storage facilities are acceptable | | | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| The material is in good condition | | | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Note: One Material Arrival Notice should be made for each material consignment | | | | |
| Received By | Name | Designation | Signature | Date |
| Resident Engineer | Engr. Ahmed Shawky | Resident Engineer |  | 06-01-2024 |
| Received By (Main Contractor) | Engr. Subamani | Project Manager |  | 06.01.2024 |
| Remarks <i>ASubject to installation IR</i> | | | | |