

KIR



MARY

SHANGDONG LEDE MACHINERY CO., LTD
GROOVED FITTINGS





Address 5A Khaled Ibn AlWaid St.,
Sheraton, Heliopolis,
Cairo, Egypt

Tel 2267 5339 - 2266 4920

Fax 2266 4930

Mobile 0122 7389 528 - 0122 7905 248

0121 1178 250 - 0101 9542 941

e-mail info@kirmary.com

sales@kirmary.com

website www.kirmary.com



KIRMARY Co.
For Engineering Supplies



SHANDONG LEDE MACHINERY CO., LTD.

1	PROJECTS LIST
2	LEDE QUALITY CERTIFICATES
3	CONSUITANTS APPROVALS
4	FACTORY MILL CERTIFICATE
5	TEST CERTIFICATES
6	INTERNATIONAL CERTIFICATE UL / FM
7	FITTING SPECIFICATION



PROJECTS LIST

KirMary

Engineering Supplies
Importing & Exporting
Trading Agencies



كبرماري

للتوريدات الهندسية
إستيراد وتصدير
والتوكيلات التجارية

سابقة اعمال الشركة:

لقد قامت شركتنا بالتوريد في هذا المجال الى الشركات الاتية :

- ١- مشروع حي المال و الاعمال CBD (Central Business District) , في العاصمة الادارية الجديدة مع مكتب دار الهندسة وشركة CSCEC الصينية .
- ٢- مشروع حي الوزارات بالعاصمة الادارية مع مكتب دار الهندسة و الشركات التالية : شركة طلعت مصطفى و شركة RED SEA و شركة GAMA و شركة السعدا و شركة الرواد و شركة سمكريت و شركة SIAC و شركة الغرابلي و حسن علام (مرفق صور الاعتمادات) .
- ٣- مشروع البرلمان بالعاصمة الادارية الجديدة مع مكتب دار الهندسة و شركة المقاولون العرب.
- ٤ - مشروع مجلس الوزراء مع مكتب دار الهندسة و شركة اوراسكوم.
- ٥- مشروع وزارة الدفاع الكيان ١١٠ (العاصمة الادارية الجديدة مع الهيئة الهندسية و مكتب صبور و مكتب د . شاكور) .
٦. مشروع منطقة خدمات القادة الخاص بمشروع الكيان ١١٠ و الأركان مع الهيئة الهندسية للقوات المسلحة و مكتب صبور و شركة سمكريت.
- ٧- مشروع محطة كهرباء العاصمة الادارية و مشروع محطة كهرباء البرلس و مشروع محطة كهرباء بني سويف مع شركة Siemens AG Mega Projects تحت اشراف (وزارة الكهرباء) .
- ٨- مشروع مسجد الفتاح العليم مع شركة المقاولون العرب و شركة ARCHRDON مع مكتب د/شاكور.
- ٩- المنصورة ١ ، ٤ ، ٥ (العاصمة الادارية الجديدة مع الهيئة الهندسية للقوات المسلحة و مكتب صبور و مكتب د . شاكور) .
- ١٠ . مشروع جبل الجلالة مع شركة سايتس انترناشونال.
- ١١- مشروع انفاق قناة السويس بالاسماعيلية مع شركة كونكورد و بتروجيت .
- ١٢ . مشروع مدينة زويل للعلوم و التكنولوجيا مع الشركات الاتية (اوراسكوم - ابناء حسن علام - سيمينز - املاك) باعتماد كل من مكتب د / شاكور للاستشارات الهندسية - مكتب ضياء كونسلت - الهيئة الهندسية للقوات المسلحة (مرفق صور من الاعتمادات) .

أ٥ شارع خالد بن الوليد شيراتون - القاهرة تليفون: ٢٢٦٧٥٣٣٩-٢٢٦٦٤٩٢٠/٠٣

موبايل: ٠١٢٢٧٩٠٥٢٤٨ - ٠١٢٢٧٣٨٩٥٢٨ - ٠١٢١١١٧٨٢٥٠ - ٠١٠١٩٥٤٢٩٤١

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للتوريدات الهندسية
إستيراد وتصدير
والتوكيلات التجارية

- ١٣- مشروع مستشفى القوات الجوية مع شركة اوراسكوم مرفق اعتماد الشعبة الجوية من القوات الجوية.
- ١٤- مشروع القناة الفضائية الأزهرية مع مكتب المراسم الدولية مجموعة بن لادن السعودية.
- ١٥- مستشفى علاج الأورام بالمجان بمدينة الأقصر مع المقاولين العرب تحت اشراف مكتب د/شاكر.
- ١٦- مشروع مبنى دار الضيافة مستشفى جامعة ٦ أكتوبر شركة الشروق للمقاولات تحت اشراف مكتب د. شاكر.
- ١٧- مشروع شيلمبرجير مع شركة ابناء حسن علام مع مكتب أيهاف للاستشارات الهندسية (مرفق صورة الاعتماد) .
- ١٨- مشروع كلية الصيدلة جامعة الأزهر مع المراسم مع مكتب الديار للاستشارات الهندسية (مرفق صورة الاعتماد) .
- ١٩- شركة اوراسكوم للانشاء والصناعة وذلك في المشاريع الآتية :
مشروع برج المراقبة مطار القاهرة الدولي - مشروع صالة الرحلات مطار القاهرة الدولي (مرفق صورة من اعتماد مكتب ECG) .
- مشروع بنك الاسكندرية بالقرية الذكية (مكتب INFRA GROUP للاستشارات الهندسية) .
- ٢٠- شركة أوراسكوم للانشاءات بمشروع بنك CREDIT AGRICOLE التجمع الخامس (مرفق اعتماد مكتب ECG للاستشارات الهندسية) .
- ٢١- شركة ميدكوم مصر لتنمية السياحة وذلك في المشاريع الآتية:
مشروع مبنى البورصة المصرية بالقرية الذكية (مرفق صورة من اعتماد مكتب استشاري ال ECG)
- ٢٢- الشركة الهندسية بمشروع MALL OF ARABIA (مرفق اعتماد مكتب ECG للاستشارات الهندسية) .
- ٢٣- تطوير برج المراقبة بمطار القاهرة الدولي - شركة المهندسون المتخصصون (مرفق اعتماد مكتب ECG للاستشارات الهندسية) .
- ٢٤- مشروع مطار الغردقة الدولي شركة المراسم الدولة.

٥ شارع خالد بن الوليد شيراتون - القاهرة تليفون: ٠٣/٢٢٦٦٤٩٢٠-٢٢٦٧٥٣٣٩

موبايل: ٠١٢٢٧٩٠٥٢٤٨ - ٠١٢٢٧٣٨٩٥٢٨ - ٠١٢١١١٧٨٢٥٠ - ٠١٠١٩٥٤٢٩٤١

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- ٢٥- مشروع الشرقية للدخان شركة ديتاك & TCC.
- مشروع مدينة زويل للعلوم والتكنولوجيا مع مشروع جامعة السادس من أكتوبر مع شركة الفسطاط للمقاولات (مرفق طيه اعتماد مكتب شاكر للاستشارات الهندسية).
- ٢٦- مشروع معهد بحوث الفلزات - شاسكو الهيئة الهندسية بالقوات المسلحة.
- ٢٧- هيئة مترو الانفاق الاتحاد المصرى / الفرنسي (الخط الثالث).
- ٢٨- شركة دلتا للإنشاء والتعمير وذلك في المشاريع الآتية :
- مشروع مستشفى وادي النيل - كوبري القبة (مرفق صورة اعتماد مكتب د/ شاكر).
- ٢٩- شركة ريديكون للتعمير Novac وذلك في المشاريع الآتية :
- مشروع مجمع مطاعم أمريكانا بالتجمع الخامس ، (مرفق صورة من اعتماد المكتب الاستشاري ABCG).
- ٣١- شركة وطنية للتجارة والمقاولات وذلك بالمشروعات الآتية :
- مشروع مصنع جهينة اسيوط - مرفق صورة من اعتماد المكتب الاستشاري (شاكر) .
- شركة اليكون للتكييف وذلك بالمشروعات الآتية :
- مشروع سوديك بالسادس من أكتوبر ، مرفق اعتماد الأستشاري (مكتب د . عساف).
- ٣٢- شركة المقاولون العرب /تاتاس باناسونيك وذلك في المشاريع الآتية :
- مشروع مصنع ٨١ الحربي - طريق بلبيس ، مرفق اعتماد الأستشارى (محرم باخوم).
- ٣٣- شركة الأفق للمقاولات وذلك في المشاريع الآتية :
- الحزمة بالقريّة الذكيّة (ريديكون المحور . كونكورديا).
- مصنع البوتوجازات ايدىال بالعاشر من رمضان .
- مشروع مصنع سيدار للزجاج بمدينة السادات (مرفق صورة من اعتماد مكتب KEM الاستشارى).
- ٣٤- فندق شيراتون سومة باي سفاجا - البحر الأحمر.

٥ شارع خالد بن الوليد شيراتون - القاهرة تليفون: ٠٣/٢٢٦٦٤٩٢٠-٢٢٦٧٥٣٣٩

موبايل: ٠١٢٢٧٩٠٥٢٤٨ - ٠١٢٢٧٣٨٩٥٢٨ - ٠١٢١١١٧٨٢٥٠ - ٠١٠١٩٥٤٢٩٤١

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- ٣٥- شركة المقاولون العرب وذلك في المشاريع الاتية :
مشروع إعادة التمرکز - طريق بلبيس
- ٣٦- أبناء حسن علام وذلك في المشاريع الاتية :
مشروع بالم هيلز - التجمع الخامس
- ٣٧- International construction company وذلك بالمشاريع الاتية :
مشروع المستشفى السعودي الألماني الدولي - جسر السويس
- ٣٨- شركة سمكريت مصر وذلك بمشروع مقر البعثة الكويتية .
- ٣٩- شركة ccc مشروع السفارة السعودية - كورنيش النيل.
- ٤٠- شركة ديتاك للمقاولات وذلك في المشاريع الاتية:
مشروع هانيمكس بالتجمع الخامس - والجيزة للأنظمة.
- ٤١- شركة بروتكشن للمقاولات ٦ أكتوبر بمشروع مخازن مترو ماركت FIRE FIGHTING.
- ٤٢- شركة يوني تك وذلك في المشاريع الاتية :
مشروع برج المراقبة مطار القاهرة ادولى . HVAC System
- ٤٣- شركة ABB بمشروع مصنع اسكيب للدهانات بالسادس من اكتوبر.
- ٤٤- شركة اوبتيم للمقاولات وذلك بمشروع مصنع شيبسي وايفا فارما .
- ٤٥- شركة طيبة للمقاولات وذلك في المشاريع الاتية : مشروع نماء بالعاشر من رمضان .
- ٤٦- شركة النيل للمقاولات وذلك بمشروع مخازن مترو ماركت بالسادس من أكتوبر HVAC system .
- ٤٧- شركة الجيزة للمشروعات وذلك بمشروع مصنع ببيسي بالسادس من أكتوبر.
- ٤٨- شركة الشرق للتجارة والصناعة وذلك بمشروع مصنع ايجل للبوليات بالسادس من اكتوبر .
- ٤٩- شركة بروتك وذلك بمشروع شركة بتروجيت اسكندرية.

٥ شارع خالد بن الوليد شيراتون - القاهرة تليفون: ٠٣/٢٢٦٦٤٩٢٠-٢٢٦٧٥٣٣٩

موبايل: ٠١٢٢٧٩٠٥٢٤٨ - ٠١٢٢٧٣٨٩٥٢٨ - ٠١٢١١١٧٨٢٥٠ - ٠١٠١٩٥٤٢٩٤١

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٥٠- شركة نائل استر الدولية وذلك بالمشاريع الآتية :

مشروع فندق JW Marriott Mirage City Cairo.

٥١- مصانع كوكاكولا بجمهورية مصر العربية .

مركز التحرير للتجارة - باناسونيك م . خالد البلتاجي ٠١٠٠١٠٢١٥٧٣ .

٥١- شركة IPI Interstate وذلك بالمشاريع الآتية:

مشروع Paper industry factory

مشروع Sanita

٥٢- شركة دلتا للإنشاءات وذلك بالمشاريع الآتية :

مطار الغردقة الدولي

٥٣- شركة الأفق للمقاولات وذلك بالمشاريع الآتية:

الفطيم /Cairo Festival /Road Steel / البنك الأهلي بالجيزة

٥٤- شركة شاترنج للإنشاءات وذلك بالمشاريع الآتية :

Badea Bank السودان - الخرطوم

٥٥- شركة النيل للإنشاءات وذلك بالمشاريع الآتية :

قرية سندباد سفاجا

٥٦- شركة LEEDS ، المهندسة / مها جبرة ، وذلك بمشروع CAIRO MEDICAL CENTER مرفق

اعتماد مكتب INFRA GROUP.

٥٧- شركة DIYAR ، مجموعة بن لادن السعودية وذلك بمشروع : AL - AZHAR TV CHANNEL

.BUILDING

٥ شارع خالد بن الوليد شيراتون - القاهرة تليفون: ٢٢٦٦٤٩٢٠/٠٣ - ٢٢٦٧٥٣٣٩

موبايل: ٠١٢٢٧٩٠٥٢٤٨ - ٠١٢٢٧٣٨٩٥٢٨ - ٠١٢١١١٧٨٢٥٠ - ٠١٠١٩٥٤٢٩٤١

K I R M A R Y

for engineering supplies Grooved fitting LEDE

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للتوريدات الهندسية
إستيراد وتصدير
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٥٨- شركة الأفق ، مجموعة ECG للاستشاريين و ذلك بمشروع : MALL OF ARABIA.

يمكننا تدعيمكم بصورة من الاعتمادات و أوامر التوريد لكل المشاريع المذكورة اعلاه في حالة احتياجكم لها.....

والله الموفق ،

١٥ شارع خالد بن الوليد شيراتون - القاهرة تليفون: ٢٢٦٦٤٩٢٠/٠٣ - ٢٢٦٧٥٣٣٩

موبايل: ٠١٢٢٧٩٠٥٢٤٨ - ٠١٢٢٧٣٨٩٥٢٨ - ٠١٢١١١٧٨٢٥٠ - ٠١٠١٩٥٤٢٩٤١

E-mail: Kir.mary@yahoo.com

website: www.Kirmary.com



LEDE QUALITY CERTIFICATES

SIEMENS

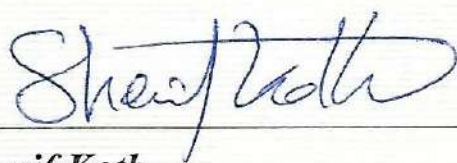
Ingenuity for life

Certificate of Appreciation

Siemens in Egypt would like to thank

Kirmary Co for Engineering Supplies

For their good collaboration with Siemens for the provision of grooved couplings, pipe fittings and accessories for the Fire Fighting systems of all 3 Megaprojects of Egypt.



Sherif Koth

Deputy Project Director,
Siemens Technologies S.A.E.
Megaprojects in Egypt

Siemens Technologies S. A. E.
Egyptian Joint Stock Company Issued Capital : EGP 28,100 000
Commercial Register No. 93429
Tax Card No. 100-413-536 Large Taxpayers Center (Bu6)



Head of Engineering Sector

رئيس القطاع الهندسي

٩٨٧
12 FEB 2018

السادة / شركه اورسكوم للانشاءات

تحية طيبة وبعد

بالأشارة الى خطاب سيادتكم بتاريخ ٢٠١٨/٢/٤ بخصوص الافادة عن حاله منتجات (Grooved Fittings LEDE) بعد تركيبها بمشروع صاله الرحلات الموسمية بميناء القاهرة الدولي منذ عام ٢٠١٠م .

وبالاطلاع على اعتماد إستشارى المشروع المؤرخ فى ٢٠١٠/١٢/١١ وبمعاينه الموقع على الطبيعه تبين عدم وجود أى تسريبات أو مشاكل فنيه وأن القطع بحاله جيدة منذ تركيبها حتى تاريخه .
وتفضلو بقبول وافر الاحترام والتقدير

التوقيع /
مهندس / عطية نكي عبد الحميد
المستشار الهندسى لشبكات ومحطات المياه

٤ .
التوقيع /
مهندس / شريف محمد متولى
مدير إدارة شبكات المياه

التوقيع /
مهندس / هشام محمد كامل
رئيس القطاع الهندسى





**SAUDI
GERMAN
HOSPITAL
CAIRO**

Joseph Teto street, Nozha,
Heliopolis, Cairo, Egypt
Postal code: 47 El Nozha El Gedida
Hotline : 16259
Phone : +202 26252400/99

Certificate

This is to certify that the grooved fitting **LEDE** is used in the Hospital since 2009 and it is working fine without any problems since 2009 till now.

This Letter is without any responsibility on the Hospital.

Maintenance Manager

Eng. Mohamed. Ibrahim.

10 / 2 / 2018

Mob: 01000444181

شهادة لمن يهمة الأمر

تشهد شركة القرى الذكية أن منتجات شركة :-

(Shandong LEDE Machinery co.Ltd for Grooved fittings {UL& ULC& FM& ISO 9001, QC})

المستخدمة في مبني البورصة المصرية بالقرية الذكية تعمل بكفاءة منذ تركيبها عام 2010 وحتى تاريخه بصورة جيدة جداً دون أي مشكلات فنية ونتوقع الإستمرار بنفس الجودة , بعد إنتهاء الضمان (خمس عشرة عاماً)

وإذ نشكر شركة كيرماري للتوريدات الهندسية والإستيراد والتصدير وكيل مصنع :-

(Shandong LEDE Machinery co.Ltd for Grooved fittings {UL& ULC& FM& ISO 9001, QC})

في مصر علي حسن الأداء , وهذه شهادة منا بذلك .



مهندس / محمد حنين

مدير عام الصيانة والتشغيل بشركة القرى الذكية

شركة القرى الذكية

مبنى ١، شارع ٢٦، القرية الذكية، الجيزة، ١٢٥٧٧، جمهورية مصر العربية. تليفون: ٢٠٠٠-٢٠٢٣٥٣٥ - فاكس: ٢٠٠١-٢٠٢٣٥٣٥

SMART VILLAGES COMPANY

BLDG 1, ST 26, Smart Village Egypt, Giza, 12577, Egypt. Tel.: +202 3535-2000 - Fax: +202 3535-2001

www.smart-villages.com

Jan,2018

To whom it may concern,

We hereby informing you that LEDE Grooved Fittings & Couplings products UL approved & FM listed were approved and installed in Cedar Glass Factory-El Sadat City.

We El Ofoq for Trading & Contracting grant that LEDE products were tested and it had shown impeccable quality, high efficiency and durability since their installation back in 2011 and till now with no surfacing problems.

KIRMARY for Engineering Supplies-the sole agent of LEDE- supplied as well 100% of all requested materials for Roots steel Factory, National Bank of Egypt & Kidzania projects with El Ofoq for Trading & Contracting and they always provide us with technical support and fast delivery.

And this is for information only.



تحريراً في : ٢٠١٨/٠٢/٠٥

الى من يهمله الأمر ،،،

تشهد شركة بروتكشن للمقاولات والتصميمات بأن شركة كير ماري للتوريدات الهندسية والاستيراد والتصدير قد قامت باعمال توريد قطع جروف ماركة LEDE والحاصلة على اعتمادات (UL.FM) وذلك في أعمال شبكات مكافحة الحريق بمشاريع (مخازن مترو ماركت ومخازن شركة فارما أوفر سيز ومصنع الييف للصناعات البلاستيكية) أعوام 2010-2011-2012 بحجم اعمال قدرها ٣٠٠٠٠٠٠٠ جنيهاً (ثلاثة مليون جنيهاً لا غير) وأن المنتج يعمل بصورة طبيعية و ممتازة منذ تركيبه وحتى تاريخه وتعمل به الشركة في عدة مشاريع أخرى حالياً .

وهذه شهادة منا بذلك دون أدنى مسئولية على الشركة .

وتفضلوا بقبول فائق الاحترام

شركة بروتكشن للمقاولات

مدير إدارة الميكانيكا
م/ محمد سليمان



القاهرة ٢٠١٨/٢/٥

الى من يهمه الأمر

تحية طيبة وبعد ،،،

نحيط علم سيادتكم انه تم اعتماد وتوريد وتركيب واختبار المنتج GROOVED FITTING LEDE UL.FM من قبل شركة كيرمارى للتوريدات الهندسية الوكيل الوحيد للمنتج بجمهورية مصر العربية . وذلك فى المشاريع الاتية :

- ١- مركز البحوث والالكترونيات ٢٠١٦
- ٢- مشروع ببسى اكتوبر ٢٠١٥
- ٣- مشروع ببسى بورسعيد ٢٠١٤-٢٠١١
- ٤- ببسى طنطا ٢٠١٤
- ٥- شيبسى طنناش ٢٠١٣-٢٠١٤-٢٠١٥
- ٦- شيبسى اكتوبر ٢٠١٤
- ٧- معهد بحوث الغازات ٢٠١٤-٢٠١٥
- ٨- اكتوبر فارما ٢٠١٤-٢٠١٣
- ٩- القاهرة لتكرير البترول ٢٠١٥
- ١٠- رشيد للبترول ٢٠١٠
- ١١- ببسى المنيا ٢٠١٤-٢٠١٥
- ١٢- ببسى سوهاج ٢٠١٤

ونشهد نحن بانه تم عمل جميع الاختبارات الخاصة بالمنتج ووجد ان المنتج يعمل بكفاءة عاليه تحت اى ضغوط ولم يحدث اى اضرار بالمشاريع التى تم الانتهاء منها .
والشركة يسعدها دوام التعاون معكم ،،،،
وتفضلوا بقبول فائق الاحترام ،،،،،

شركة الجيزة للمشروعات
تم تسجيل الشركة رسمياً بالمعاش
١٠٠ - ٣٢٩ - ٥٩٤
٨٠ / ٢٨٠
التوقيع (ب) / بهاء عبد السلام عبد الغنى تغيان
المهندس / مدير عام المشروعات

شركة الجيزة للمشروعات
تم تسجيل الشركة رسمياً بالمعاش
١٠٠ - ٣٢٩ - ٥٩٤
٨٠ / ٢٨٠
موقع الشركة : القاهرة



INTERSTATE PAPER INDUSTRIES
Member of INDEVCO Group



ISO
9001
Quality
Management

OHSAS
18001
Occupational
Health & Safety
Management



التاريخ : 2018-2-5

الى من يهمه الامر،،،

تحية طيبة وبعد

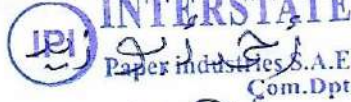
نحيط علم سيادتكم انه تم اعتماد و استخدام منتجات LEDE Grooved Fittings & Couplings الحاصلة على الاعتمادات الدولية UL, ULC & FM فى مشروعات و مصانع الشركة الخاصة بنا و نشهد نحن المالك الاساسى للمشروع ان المنتج يعمل بصفة ممتازة منذ تركيبه عام 2012 و حتى الان و لم يحدث به اى مشاكل و اننا دائما ما نتلقى الدعم الفنى و سرعة التوريد من قبل الوكيل الخاص بالمنتج شركة كيرمارى للتوريدات الهندسية.

هذه الشهادة بناء على طلب شركة كيرمارى للتوريدات الهندسية دون ادى مسؤولية على شركة انترستات للصناعات الورقية.

وتفضلو بقبول فائق الاحترام

شركة انترستات للصناعات الورقية

ادارة الصحة المهنية والسلامة والبيئة



[Handwritten signature]

Eng. Tany Hawwa

01003260580

indevco group in Egypt

February 2018

To whom it may concern,

We hereby informing you that LEDE Grooved fittings & Couplings products UL approved & FM listed were approved and installed in Schlumberger – Egypt Integrated Project.

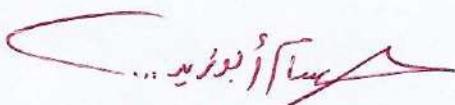
We "MEP & Infrastructure Department - EHAF Consulting Engineers" grant that LEDE products were tested and it had shown impeccable quality, high efficiency and durability since their installation back in 2016 and till now with no surfacing.

KIRMARY for Engineering Supplies – the solo agent of LEDE – supplied well 100% of all requested materials for Schlumberger Project with EHAF Consulting Engineers.

And this is for information only.

Hossam Abu Zeid

Head of MEP & Infrastructure Department


12-2-2018





Our Ref. NAI/T.13/2018

Cairo in 5th February 2018

“To whom it may concern”

We Nile Aster international, hereby confirm that we have purchased and installed during the year 2012/2013 grooved fitting made by Lede and supplied through its local agent Kir Mary Engineering in the (Marriott) renaissance hotel project.

This letter is issued upon the request of the vendor and without any responsibility on our company

Yours faithfully,

Erminio Granata
Managing Director



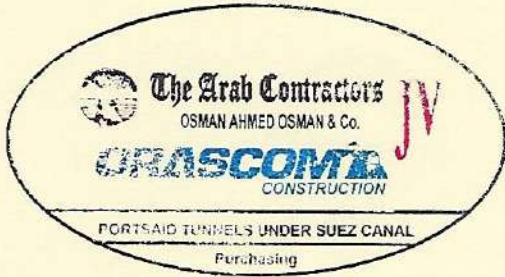
الى من يهمه الأمر ،،،

تشهد شركة اتحاد المقاولون العرب و أوراسكوم بانه قد تم اعتماد واستخدام
المنتج Grooved fittings LEDE UL.FM + LEDE valves UL.FM
والخاصه بشبكات الحريق

بمشروع انفاق قناة السويس بورسعيد وتم التوريد من قبل شركة كيرمارى
للتوريدات الهندسيه – الوكيل الوحيد للمنتج بمصر
وقد تم عمل اختبارات عديده تحت اشراف مهندسين المشروع على المنتج دون
حدوث اى مشكلات فنيه

وهذه شهادة منا بذلك ، دون ادنى مسئوليه من الشركه .

مع الشكر ،،،



إلي من يهمه الأمر

نشهد نحن مركز التحرير للتجارة والصيانة "تاتاس" العامله في مجال الانذار والاطفاء الالي برشاشات المياه التلقائية وأنظمة الاطفاء بالغازات (CO2-FM200) في العديد من المشروعات بمصر

وبصفتنا المقاول المنفذ بالمشروع اعاده التمرکز لشركه هليوبليس للصناعات الكيماويه (مصنع 81 الحربي) وبدء العمل فيه من عام 2011 م و قمنا باستخدام لوازم المواسير من الوصلات الميكانيكيه (Grooved Fitting) من شركة كيرماري وكيل Shandong lede الاقطار من 2" حتي 8" وتعمل منذ عام 2012 م بكفاءة عالية دون حدوث مشاكل فنية او تسريب للمياه حتي تاريخه .

وكذا بصفتنا مقاول المنفذ لعملية انشاء شبكة الحريق برشاشات المياه التلقائية وصناديق الحريق وطفائيات الحريق للمبني الاداري ببتروجيت بالتجمع الخامس قمنا باستخدام نفس النوعية من الوصلات الميكانيكيه (Grooved Fitting) من نفس النوعية وذلك منذ عام 2014 م وتعمل بحالة جيدة دون حدوث مشاكل فنية في تاريخه

وتم تقديم هذه الشهادة بناء علي طلبكم بدون اي مسئوليه قانونيه علي شركتنا

،، وتفضلوا بقبول فائق الاحترام والتقدير ،،

مدير مشروعات انذار الحريق
م/ احمد عبد الرحمن
٢٠١٨



مدير مشروعات إطفاء الحريق
م/ خالد البلتاجي
٢٠١٨



CONCORD
FOR ENGINEERING & CONTRACTING

كونكورد
للهندسة والمقاولات
ش.م.م.

الى من يهمله الأمر ،،،،

تشهد شركة كونكورد للهندسة و المقاولات بانه قد تم اعتماد واستخدام المنتج:

Grooved fittings LEDE UL.FM بمشروع انفاق الأسماعيلية / قناة
السويس وتم التوريد من قبل شركة كيرمارى للتوريدات الهندسية - الوكيل
الوحيد للمنتج بمصر.

وهذه شهادة منا بذلك ، دون ادنى مسئولية على الشركة .

و تفضلوا بقبول وافر الاحترام ،،،

تحريرا في : 2017/05/17

مدير المشروع



الى من يهमे الأمر ,,,

تشهد شركة تارجت للمقاولات والصيانة بأن شركة كير ماري للتوريدات الهندسية والاستيراد والتصدير قد قامت باعمال توريد قطع جروف ماركة LEDE والحاصلة على اعتمادات (UL.FM) وذلك في أعمال شبكات مكافحة الحريق بمشاريع (مخازن فارما أوفر سيز (اسوان – بركة السبع –المطرية –دمنهو – الفيوم – دمياط – شبين الكوم – خاتم المرسلين - ملوى- الناصرية العامرية)) أعوام 2016- 2017- 2018 بحجم اعمال قدرها 2000000 جنيهاً (اثنان مليون جنيهاً لاغير) وأن المنتج يعمل بصورة طبيعية و ممتازة منذ تركيبه وحتى تاريخه وتعمل به الشركة في عدة مشاريع أخرى حالياً .

وهذه شهادة منا بذلك دون أدنى مسئولية على الشركة .

وتفضلوا بقبول فائق الاحترام

شركة تارجت للمقاولات والصيانة



الى من يهمله الامر،

تشهد شركة اوراسكوم للانشاءات و المقاولات بأن شركة كيرمارى للتوريدات الهندسية التى قامت بتوريد منتجات Grooved Fittings & Coupling ماركة LEDE الخاصة بمشروع صالة الرحلات الموسمية بميناء القاهرة الدولى و ذلك فى عام 2010 و كذلك مشروع المبنى الادارى لبنك كريدى اجريكول عام 2012 و عدة مشاريع اخرى كثيرة منها مستشفى القوات الجوية مع الشعبة الجوية للقوات المسلحة، مدينة زويل للعلوم و التكنولوجيا، محطة كهرباء غرب دمياط، محطة كهرباء اسيوط و مشاريع الكيان العسكرى 110 بالعاصمة الادارية الجديدة. و ان جميع المنتجات تعمل حتى الان بكفاءة و جودة عالية و لم نتلقى اى شكاوى فنية من قبل المالك حتى تاريخ تحرير هذا الخطاب.

مدير المستعريات
عبدالله
٩٠٨١٩١٤



CONSUITANTS APPROVALS

Inspection of materials delivered to site

dar

Dar Al-Handasah

06 APR 2025

RECEIVED

Prj. No. _____ Time _____

Date: 25-Mar-2025

Request no. : P0131-K00146-OCC-OF01-XX-MR-ME-000010-00

Project no. & title: RAS EL HEKMA - CENTRAL OFFICES

Employer: MUDON	Engineer: dar	Contractor ORASCOM CONSTRUCTION
---------------------------	-------------------------	---

1. Material / equipment

Description : Fire Fighting Grooved fittings - LEDE

Materials submittal ref. no. : P0131-K00146-OCC-OF01-XX-MS-ME-000070-00

Bill of quantities ref. no. : _____

Quantity : As Per Attached

2. Manufacturer's details

Manufacturer : LEDE

Model no. : _____ Serial no. : _____

Country of origin : Egypt

Date of ARRIVAL on Site : 23-Jan-2025 28-Jan-2025

STORAGE location : Ras El Hekma Central Offices

Submitted by : Eng / *Hazen Mohamed* Signature : *H. Hazen*

dar

Dar Al-Handasah

Project No. _____

Received: _____

Distribution	Action	Info	Filing
ME	✓		
RE	✓		
DE			✓

File No. _____

3. Inspection report

	Yes/No	Initials
Physical damage ?	☐ Yes ☐ No	
Details given above correct ?	☐ Yes ☐ No	
Conform with approved submission ?	☐ Yes ☐ No	
Accessories/ spare parts included ?	☐ Yes ☐ No	

Details : Refer to comments on attached A4

Remarks: *[Signature]*

4. Engineer's Representative comments

The above material has been inspected on site and found at time of inspection to be :

☒ Satisfactory ☐ Unsatisfactory

for incorporation in the permanent works.

Signature *[Signature]* *PNW*

ORASCOM

CONSTRUCTION

RAS EL - HEKMA Project

09 APR 2025

RECEIVED

Q.C

Date: 9-4-2025

Above inspection shall not relieve Contractor of his responsibilities to incorporate in the Works only such materials that are in conformity with the Contract

Submittal For Approval Of Materials

Date: 24-12-2024

Request No: P0152-K00146-OCC-HT01-XX-MS-ME-000036-00

Project No. & Title: WWE241135 - Ras El Hekma Sales Resort.

Employer: MUDON	Engineer: dar	Contractor: ORASCOM CONSTRUCTION
---------------------------	-------------------------	---

1. Material Description (one item only on this form) :

Fire fighting Grooved fitting-Kirmary-Lede

Area of application :	General		
Drawing ref. :		B.O.Q. ref. no.:	
Specification Ref. :	SECTION 211000		
	Standards:		

Compliance sheet-technical data sheet- company Profile-Certificates -Previous Approvals-reference list

2. Manufacturer / Supplier

Company Name :	Lede
Address :	5 Khaled Ibn Al Walid, Sheraton Al Matar, El Nozha, Cairo
Local agent :	Kirmary

3. Delivery :

Country of origin :	China		
Availability	☐ Locally Manufactured ☐ Overseas		
Delivery :	Ex-works/ total duration	[]	[]
	Estimated time of arrival on site		
Program :	Date material required on site	[]	
	Latest date for order	[]	

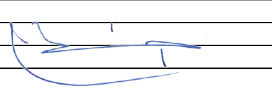
We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted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

Submitted by : Yasmine Khela Signature: 

4. Engineer's Representative Comments:

Refer to attached comments in CRS sheet

Ahmed Hozayen
27/12/2024

Signature: for 	Date: 27-12-2024
--	------------------

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Submittal For Approval Of Materials

Date: 24-12-2024

Request No: P0152-K00146-OCC-HT01-XX-MS-AC-000016-00

Project No. & Title: WWE241135 - Ras El Hekma Sales Resort.

Employer: MUDON	Engineer: dar	Contractor: ORASCOM CONSTRUCTION
---------------------------	-------------------------	---

1. Material Description (one item only on this form) : HVAC Grooved fitting-Kirmay-Lede	
Area of application : General	
Drawing ref. :	B.O.Q. ref. no.:
Specification Ref. : SECTION 232113	Standards:
Compliance sheet-technical data sheet- company Profile-Certificates -Previous Approvals-reference list	
2. Manufacturer / Supplier	
Company Name :	Lede
Address :	5 Khaled Ibn Al Walid, Sheraton Al Matar, El Nozha, Cairo
Local agent :	Kirmay
3. Delivery :	
Country of origin :	China
Availability ☐ Locally Manufactured ☐ Overseas	
Delivery :	Ex-works/ total duration [] [] Estimated time of arrival on site
Program :	Date material required on site [] Latest date for order []
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.	
Submitted by :	Yasmine Khela
Signature: 	
4. Engineer's Representative Comments:	
☐ Approved	
☒ Approved as noted	
☐ Revise and resubmit	
☐ Rejected	
☐ Sample required	
☐ Tests required	
☐ Additional information required	
☐ Manufacturer's guarantee required	
Refer to attached comments in CRS sheet	
Ahmed Hozayen	
27/12/20254	
Signature: 	Date: 27-12-2024

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Received
29-9-2020

Submittal for approval of materials

Date: 29/9/2020

Request no: ACS- MAT- MFF - 0023Rev 00

Project no. & title: E16104-0400S New Administrative Capital -The SENATOR Building

Employer: 	Engineer: 	Contractor:  المقاولون العرب إدارة مشروع مبنى مجلس الشيوخ
--	--	---

1. Material description (one item only on this form) :

GROOVED FITTING FOR FIRE FIGHTING

Sample Board

Technical Submittal attached + CD Catalog+ SAMPLE BOARD

Area of application: MECHANICAL FIRE FIGHTING SYSTEM

Drawing ref: N/A Z

BOQ ref no: N/A

Specification Ref: Section 15101

Standards: ASTM C168, 302, 303

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

List of samples 1- GROOVED ELBOW 90; 2-GROOVED COUPLING

2. Manufacturer / supplier

Company Name: LEDE

Address: 4A KHALED IBN ALWALID ST, SHERANONI IELICCLIS CAIRO, EGYPT

Local agent: KIRMARY

3. Delivery :

Ex-Stock

Country of origin: CHINA

Availability

☐ Locally Manufactured

☒ Overseas

Delivery

Ex-works/ total duration

Estimated time of arrival on site

Program

Date material required on site

Latest date for order

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

Submitted by: Hamed Ramadan

Signature

4. Engineer's Representative comments:

see attached Comment

Signature

AR

Date 18/10/20

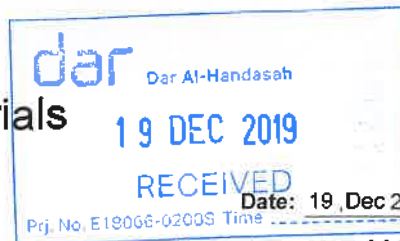
- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents

استنى المهندس
محمود داود
C.O / 10/18

dar

Submittal For Approval Of Materials



Project No. & Title: E18066-0200S - The Central Business District of the New Administrative Capital of Egypt

Request no: MAT-CSCEC-00-ME-HD-0218-00

Employer:	Engineer:	Contractor:

1. Material description (one item only on this form) :

Grooved Fitting For HVAC (Sample Attached)

Area of application : General for all CBD towers (according to the attached material list)

Drawing ref. : B.O.Q. ref. no.: 232113

Specification Ref. : 232113 - HYDRONIC PIPING Standards:

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE
Address : China
Local agent : Kirmary For Engineering Suppliers Grooved Fitting

3. Delivery :

Country of origin : China

Availability
☐ Locally Manufactured ☒ Overseas

Delivery : Ex-works/ total duration [2020/1/15] [2021/6/10]
Estimated time of arrival on site [2020/1/30]

Program : Date material required on site [2019/1/15]
Latest date for order [2020/5/15]

dar	dar	dar	dar	dar
Project No. E18066-0200S				
Received				
Estimate	Accepted	Info	Review	
T.B	C			
H.A.Z	C			
A.B	C			
dar Egypt				

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.

Submitted by : Zhu Yefei / Ramy Samy

Signature:

4. Engineer's Representative comments:

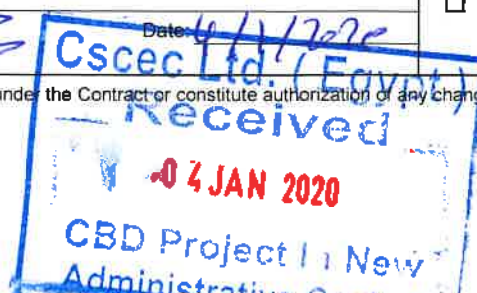
Refer to Comments on attached.
Ramy Homed.
2-1-2020

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☒ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature:

Date: 4/1/2020

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



dar

Submittal For Approval Of

CHINA STATE CONSTRUCTION ENGINEERING CONSULTING GROUP
CSECC
NEW ADMINISTRATIVE CAPITAL
CBD PROJECT IN

Project No. & Title: E18066-02006 - The Central
Owner: Engineer:

Date: 19 Dec 2019

Project No. & Title: E18068-0200S - The Central Business District of the New Administrative Capital of Egypt

Employer:  Arab Republic of Egypt Ministry of Housing, Utilities and Urban Communities /	Engineer: 	Contractor:  中國建築股份有限公司 CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.
--	---	--

Grooved Fitting For Plumbing (Sample Attached)

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

Company Name :	LEDE
Address :	China
Local agent :	Kirmary For Engineering Suppliers Grooved Fitting

Availability ☐ Locally Manufactured ☒ Overseas

Program :	Date material required on site	[2019/1/15]
	Latest date for order	[2020/5/15]

dar				Dar Al-Handasah	
Project No: E18955-03005					
Received					
Distribution	Action	Info			File
T.B					
21/6/10	T.B				
	A.B				
Dar Egypt					

Signature:

Rang Hamed.
4-1-2019

Received Date: 4/1/2023

- | | |
|-------------------------------------|-----------------------------------|
| ☐ | Approved |
| ☒ | Approved as noted |
| ☐ | Revise and resubmit |
| ☐ | Rejected |
| ☐ | Sample required |
| ☒ | Tests required |
| ☐ | Additional information required |
| ☐ | Manufacturer's guarantee required |

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

S-PRC-SS-02(F26) Rev 2

Cscee Ltd. (Egypt)
 Date: 4/1/2020
 Received
 04 JAN 2020
 CBD Project in New
 Administrative City

dan

Submittal For Approval Of Materials

04 MAR 2020

RECEIVED

Prj. No. E18066-0200S Time Date: 4 Mar..2020

Request no: MAT-CSCEC-17-ME-HD-0072-00

Project No. & Title: E18066-0200S - The Central Business District of the New Administrative Capital

Employer:  Arab Republic of Egypt Ministry of Housing, Utilities and Urban Communities New Urban Communities Authority	Engineer: 	Sub Consultant: 	Contractor:  中國建築股份有限公司 CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD
--	---	--	--

1. Material description (one item only on this form) :

Grooved Fitting For HVAC (Sample Attached)

Area of application : CUC

Drawing ref. :

B.O.Q. ref. no. :

232113 - HYDRONIC PIPING

Specification Ref. : 232113 - HYDRONIC PIPING

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE

Address : China

Local agent : Kirmay For Engineering Suppliers Grooved Fitting

3. Delivery :

Country of origin : China

Availability

☐ Locally Manufactured

☒ Overseas

Delivery :

Ex-works/ total duration

15/01/2020

15/01/2020

Estimated time of arrival on site

15/01/2020

Program :

Date material required on site

15/05/2020

Latest date for order

15/05/2020

dar Dar Al-Handasah

Project No. E18066-0200S

Received

Distributed:

Amr. Shv

Amr. B

Ramy

dar Egypt

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.

Submitted by : Zhu YeFei

Ramy Samy

Signature:

[Signature]

4. Engineer's Representative comments:

Refer to Comments on attached.

[Signature]

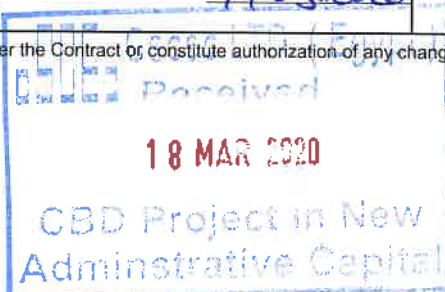
- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☒ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature:

[Signature]

Date: 17-03-2020

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



dar

dar Dar Al-Handasah
Ghaur and Partners
25 APR 2018
RECEIVED
E10104-0400-7 mo
MAT-MFF-0005-Rev 01

Project no. & title: E18104 - 0400S/N-01 Ministry of Foreign Affairs - Plot 9A

Employer: 	Engineer:  	Contractor: 
---	---	---

1. Material description (one item only on this form) :

Grooved Fittings

(Sample Included)

Area of application : All Project

Drawing ref.:

B.O.Q. ref. no.:

Specification Ref. : 15101

Standards.

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier LEDE/KERMARY

Company Name : KERMARY

Address :

Local agent

3. Delivery :

Country of origin :

Availability

○ Locally Manufactured

 Overseas

Delivery :

Ex-works/ total duration**Estimated time of arrival on site**

Program :

Data material required on site

Latest date for order

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.

Submitted by :

Signature:

4. Engineer's Representative comments:

UL LISTED FM approved. ASTM A536 62-45-12 Ductile Iron grooved fittings and couplings are approved as alternative for fire-fighting applications subject to fulfillment of listed attached comments

M.S.

3/3/2018

Signature:

Date: _____

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

02 MAY 2018
RECEIVED

Approved shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



dar

Submittal for approval of materials



Date: 27/06/2018

Request no: SIA-MAT-MCW-0201-Rev.00

Project no. & title: E16104 - 0400S/N-01 Ministry of Foreign Affairs - Plot 9A

Employer: 	Engineer: dar 	Contractor:
---------------	-----------------------------	-----------------

1. Material description (one item only on this form) :

Grooved Fittings For HVAC

(Sample Included)

Area of application : All Project

Drawing ref. :

Specification Ref. : 15100

B.O.Q. ref. no.:

Standards:

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier LEDE/KERMARY

Company Name : KERMARY

Address :

Local agent :

dar Dar Al-Handasah (Shair and Partners)			
Project No: E16104-0400S			
Received:			
Distribution	Action	Rev	Print
T.B	/		
A. Ram	/		
Dar Egypt			

3. Delivery :

Country of origin :

Availability

☐ Locally Manufactured ☒ Overseas

Delivery :

Ex-works/ total duration

Estimated time of arrival on site

Program :

Date material required on site

Latest date for order

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.

Submitted by :

Abdulsalam Ali

Signature:

[Signature]

4. Engineer's Representative comments:

Refer to the attached comments.

[Signature]
3/7/18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature:

A. Ram

Date: 3/7/18

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



dar

dar Par Al-Hanadiah
Ghair and Partners

19 SEP 2018

RECEIVED

Prj. No. E16104-0400S Time _____

Date: 19/9/2018

Request no: SIA-MAT-MWS-0212-Rev.03

Project no. & title: E16104 - 0400S/N-01 Ministry of Foreign Affairs - Plot 9A

Employer:  ADMINISTRATIVE CAPITAL شركة استثمارية المؤسسة العامة للتأمينات الاجتماعية	Engineer: 	Contractor: 
--	---	---

1. Material description (one item only on this form) :

Grooved Fittings For Water Supply

(No Sample)

Area of application : All Project

Drawing ref. :

Specification Ref. : 15140

B.O.Q. ref. no.:

Standards:

Standards: _____

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier LEDE/KERMARY

Company Name : KERMARY

Address :

Local agent :

3. Delivery :

Country of origin :

▮ **Availability**

☐ Locally Manufactured ☒ Overseas

Delivery :

Ex-works/ total duration

Estimated time of arrival on site

Program :

Date material required on site

Latest date for order

dar Dar Al-Handasah (Shair and Partners)			
Project No.: E15161-0400S			
Received:			
DESCRIPTION	AMOUNT	DATE	PAYEE
T.B	/		
So u		/	
A-Ram		/	
1			
Dar Egypt			

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.

Submitted by :

Signature:

4. Engineer's Representative comments:

→ Refer to attached comments.

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☒ Additional information required
- ☐ Manufacturer's guarantee required

Signature:

A. Ra

Date: 23/9/18

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



dan

Submittal for approval of materials

Date: 26-Apr-2018



Project no. & title: E16104-04005/T-03 / New capital / Ministerial buildings (P. No. 7A & 8A)

Request no: SAM - MAT - MFF - 01 REV 04

Employer: 	Engineer: dar	Contractor:
---------------	-------------------------	-----------------

1. Material description (one item only on this form)
LEDE GROOVED FITTINGS

COMPLIANCE SHEET

NO Sample

1 CD

26 APR 2018

RECEIVED

Area of application: MECHANICAL

Drawing ref.: N/A

Specification Ref.: SECTION 16101

B.O.Q. ref. no: N/A

Standards: N/A

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name: SHANDONG LEDE MACHINERY CO., LTD

Address:

Local agent: KIRMARY

CAIRO

3. Delivery:

Country of origin:

Availability

☐ Locally Manufactured

☒ Overseas

Delivery:

Ex-works/ total duration

Estimated time of arrival on site

Program:

Date material required on site

Latest date for order

Mr. Hossain	✓
SOP	✓
ARan	✓
T.B	✓
V.B	✓

02 MAY 2018
RECEIVED

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

Submitted by: **Samah Hassen**

Signature:

4. Engineer's Representative comments:

UL LISTED FM approved, ASTM A536 62-45-12, Ductile Iron grooved fittings and couplings are approved as alternative for fire-fighting applications subject to fulfillment of listed attached comments

M.S

3/5/2018

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☒ Tests required
- ☒ Additional information required
- ☐ Manufacturer's guarantee



Signature: **AR**

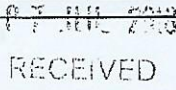
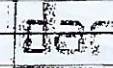
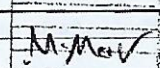
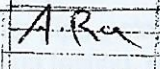
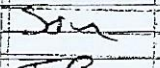
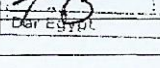
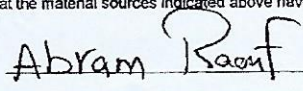
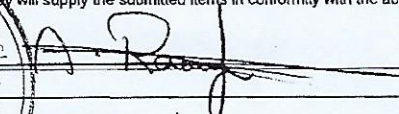
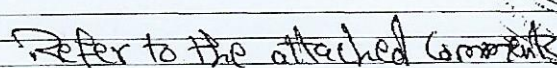
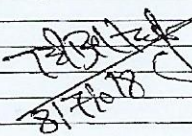
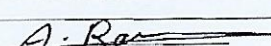
Date: 315118

Submittal for approval of materials

Date: 05 July 2018

Request no: SAM-MAT-MCW118 REV 00

Project no. & title: E16104-0400S/T-03 / New capital / Ministerial buildings (P. No. 7A & 8A)

Employer: 	Engineer: 	Contractor: 
1. Material description (one item only on this form) : LEDE GROOVED FITTINGS UL/FM (FOR HVAC WORKS) ABOVE 2.5"		 P. No. E16104-0400S-T-03
Compliance sheet & Warranty letter - Project Lists - Approvals - Factory Test - Test Certificates - International Certificates - Machines		
1 Sample Board		
1 CD		
Area of application : MECHANICAL Drawing ref. : N/A B.O.Q. ref. no.: N/A Specification Ref. : 15101 Standards: N/A Attach all relevant technical literature marked to identify relevant description, current Test Certificates		
2. Manufacturer / supplier Company Name : LEDE Address : 5A ST. KHALED EBN EL WALEED - SHERATOON, CAIRO, EGYPT Local agent : KIRMARY CAIRO, EGYPT		 (Manufacturer and Partners) Position: General Manager Name: M. Maw Signature: A. Ra Date: 8/7/18
3. Delivery : Country of origin : Availability : ☒ Locally Manufactured ☐ Overseas Delivery : Ex-works/ total duration [] Estimated time of arrival on site [] Program : Date material required on site [] Latest date for order []		    Dar Egypt
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. Submitted by:  Signature:  4. Engineer's Representative comments:   Signature:  Date: 8/7/18		
Approved ☐ Approved as noted ☐ Revise and resubmit ☐ Rejected ☐ Sample required ☐ Tests required ☐ Additional information required ☐ Manufacturer's guarantee required ☐		

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Submittal for approval of materials



Request no: ACC - PAR - MAT - MCW - 0060 - REV.0

Project no. & title: E 16104 - 0400 S / N - 04 - The Parliament Building.

Employer: 	Engineer: 	Contractor:  Arab contractors special buildings administration
---	---	---

1. Material description (one item only on this form) :

Grooved Pipe Fittings and Couplings . .
 Catalog + Sample Board

Area of application : Mechanical - Chilled water networks

Drawing ref. : N/A

B.O.Q. ref. no.: N/A

Specification Ref. : SPEC 15100

Standards: ASTM A536

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE - CHINA

Address : 5A Khaled Ibn Alwalid St., Sheraton , Heliopolis, Cairo , Egypt

Local agent : KIRMARY-EGYPT

dar Dar Al-Handasah Shair and Partners			
Project No. E16104-0400S			
Received:			
Distribution	Station	Info	Field
M. Mar			
Sou			
A. Ram			
T. B			
R. B			
Dar Egypt			

3. Delivery : Ex - stock

Country of origin : LEDE-CHINA

Availability

☐ Locally Manufactured

☒ Overseas

Delivery : Ex-works/ total duration [] []

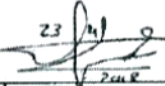
Estimated time of arrival on site [] []

Program : Date material required on site [] []

Latest date for order [] []

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.

Submitted by : Eng. Amr Abd El Aal

Signature: 

4. Engineer's Representative comments:

UL LISTED FM approved, ASTM A536 62-45-12, Ductile Iron grooved fittings and couplings are approved as alternative for fire-fighting applications subject to fulfillment of listed attached comments

M.S

3/5/2018

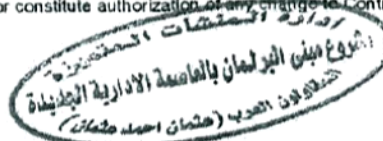
Signature: 

Date: 3/5/18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☒ Tests required
- ☒ Additional information required
- ☐ Manufacturer's guarantee required



Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.





Submittal for approval of materials

Date: 03-05-18

Request no: RME-MAT-MFF-0111-01

Project no. & title: MINISTRIES' COMPLEX (Area 3A & 4A)

Employer: 	Engineer: 	Contractor: 
--	--	--

1. Material description (one item only on this form) :

GROOVED FITTINGS

Attachment: (2 submittals+CD)WITHOUT SAMPLE

Area of application : ALL BUILDINGS

Drawing ref. : N/A

B.O.Q. ref. no.:

Specification Ref. : 15101

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate

2. Manufacturer / supplier

Company Name : LEDE

Address : 5A ST KHALED EBN EL WALEED-SHERATON-CAIRO

Local agent : KIRMARY

3. Delivery :

Country of origin :

Availability

☒ Locally Manufactured

☐ Overseas

Delivery : Ex-works/ total duration [] []
Estimated time of arrival on site [] []

Program : Date material required on site [] []
Latest date for order [] []

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.

Submitted by : Eng.Mohamed Fouad

Signature: 

submitted by : Eng.Wael Elragaby (project manager)

signature

4. Engineer's Representative comments:

UL LISTED FM approved, ASTM A538 62-45-12, Ductile Iron grooved fittings and couplings are approved as alternative for fire-fighting applications subject to fulfillment of listed attached comments.

M. Said
27/5/2018

Signature:  Date: 22/5/18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.





Submittal for approval of materials

dar Dar Al-Handasah
Shair and Partners

26 SEP 2018

RECEIVED

Date: 25-09-18 Time: 2:00

27 SEP 2018

RECEIVED

Request no: RME-MAT-MFF-0172-00

Project no. & title: MINISTRIES' COMPLEX (Area 3A & 4A)

Employer: ACUD ADMINISTRATIVE CAPITAL FOR URBAN DEVELOPMENT العاصمة الإدارية للتطوير العمراني	Engineer: dar	Contractor: RME Flowed Modern Engineering
--	-------------------------	--

1. Material description (one item only on this form) :	dar Dar Al-Handasah (Shair and Partners) Cairo
GROOVED FITTINGS FOR PLUMBING SYSTEM	30 SEP 2018
Attachment: (2 submittals+CD) WITHOUT SAMPLE.	RECEIVED
Area of application : ALL BILIDING	MECHANICAL DEPT
Drawing ref. : N/A	B.O.O. REF. NO:
Specification Ref. : 15140	STANDARDS:
Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.	

2. Manufacturer / supplier	dar Dar Al-Handasah (Shair and Partners)																								
Company Name : KIRMARY	Project No: E15104-04005																								
Address : 5A-KHALED ABN ELWALEED - SHERATOON - CAIRO	Received:																								
Local agent :	<table border="1"> <thead> <tr> <th>Distribution</th> <th>Action</th> <th>Info</th> <th>Filing</th> </tr> </thead> <tbody> <tr> <td>M. M. M. M.</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Spec</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>ARan</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>T.B</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>Boo</td> <td></td> <td>✓</td> <td></td> </tr> </tbody> </table>	Distribution	Action	Info	Filing	M. M. M. M.	✓			Spec		✓		ARan		✓		T.B		✓		Boo		✓	
Distribution	Action	Info	Filing																						
M. M. M. M.	✓																								
Spec		✓																							
ARan		✓																							
T.B		✓																							
Boo		✓																							
3. Delivery :																									
Country of origin :																									
Availability																									
☐ Locally Manufactured ☒ Overseas																									
Delivery :																									
Ex-works/ total duration [] []																									
Estimated time of arrival on site [] []																									
Program :																									
Date material required on site [] []																									
Latest date for order [] []																									

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.

Submitted by : Eng. Mohamed Fouad Signature:

submitted by : Eng. Wael Elragaby (project manager) signature

4. Engineer's Representative comments:	☐ Approved ☐ Approved as noted ☒ Revise and resubmit ☐ Rejected ☐ Sample required ☐ Tests required ☐ Additional information required ☐ Manufacturer's guarantee required
1. Gasket Type shall be identified & selected conforming to quoted Domestic Use. 2. Prior to approval: Verify by approved 3rd party certification, ON LINE CERTIFICATES and catalog data sheets that the quoted Fittings, Couplers and Gaskets are in conformity for quoted water supply applications and Egyptian Local Codes requirements. 3. Samples of Galvanized Grooved End-Fittings and Couplers to be submitted for site quality approval. 4. Submit Factory Galvanization certificates reflecting galvanization details, rate and standard. 5. Our comments on RME-MAT-MFF-0111 to be consider and implemented. M.SAID 27/09/2018	
Signature: Date: 3/10/18	

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Handwritten notes:
Ced/na
5.11/11/18

dar

Submittal for approval of materials



Date: 18/04/2018

Request no:

SOD-MAT-MFF -00123 Rev 04

Project no. & title: Project No.E16104-0400S/T-04 Ministerial Buildings On Plot 9B&10B

Employer: 	Engineer: dar	Contractor:
---------------	-------------------------	-----------------

1. Material description (one item only on this form) :

grooved fittings for steel pipes

1 CD

NO SAMPLE

Area of application : ALL BUILDING

Drawing ref. :

Specification Ref. :

15101

B.O.Q ref. no.:

Standards:

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate

2. Manufacturer / supplier

Company Name : shangdong lede machinery co.

Address : 5a khafed ebn el waleed st., sheraton ,cairo

Local agent : kirmary

3. Delivery :

Country of origin : china (EX-STOCK)

Availability

☐ Locally Manufactured

☒ Overseas

Delivery :

Ex-works/ total duration

Estimated time of arrival on site

Program :

Date material required on site

Latest date for order

dar		Dar Al-Handasah Shair and Partners	
Project No. E16104-0400S			
R/A		Access	Site
N/A			
M. M. M.	✓		
F.B.			
A. R. M.			
S. M.			
H. B. M.			
Dar Egypt			

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.

Submitted by : E/Ragab el fawal

Signature:

4. Engineer's Representative comments:

The listed attached comments shall be considered and fulfilled by Contractor and Manufacturer.

M.S

23/4/2018

Signature:

AR

Date

25/4/18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☒ Tests required
- ☐ Additional Information required
- ☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

26 APR 2018

Re

Submittal for approval of materials 2018

2-8 JUN 2018 RECEIVED
Prj No E16104-0400S/T-04
RECEIVED Request no:

Date: 28/06/2018
SOD-MAT-MCW -00163 Rev 00

Project no. & title: Project No. E16104-0400S/T-04 Ministerial Buildings On Plot 9B&10B

Employer: 	Engineer: 	Contractor: 
--	--	--

1. Material description (one item only on this form) :

Grooved Fittings For Chilled Water Pipes

1CD

1 Board Sample

Area of application: ALL FLOOR

Drawing ref.: N/A

B.O.Q ref. no: N/A

Specification Ref.: 15100

Standards: N/A

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate

2. Manufacturer / supplier

Company Name: shangdong lede machinery co.
Address: 5a khaled ebn el waleed st, sherton, cairo
Local agent: kirmary

3. Delivery :

Country of origin: china

Availability

☐ Locally Manufactured

☒ Overseas

Delivery: Ex-works/ total duration [] []

Estimated time of arrival on site [] []

Program: Date material required on site [] []

Latest date for order [] []

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

Submitted by:

Signature:

4. Engineer's Representative comments:

Refer to the attached Comments

3/7/18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

04 JUL 2018

Signature:

A. Re

Date:

3/7/18

25 APR 2018

RECEIVED

Prj. No. E16104-04005 Time 2115

DAKOR

25-4-2018

Request no:

GAM-MAT-MFF-0130-00

Project no. & title: E15104-0400S- T-07 Ministerial Buildings on Plot 17A-18A

Employer: 	Engineer: 	Contractor: 
---	---	---

1. Material description (one item only on this form) :

Fire Fighting fitting for 2.5" and larger - Grooved Fitting UL /FM

Sample board is attached

Area of application : All Building

Drawing ref. : **Fire Fighting drawing - all building**

B.O.Q. ref. no.:

Specification Ref. : 15101

Standards:

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate

2. Manufacturer / supplier

Company Name : (LEDE)

Address : Sheraton - Cairo

Local agent : KIRMARY

3. Delivery :

Country of origin : China

Availability

☐ Locally Manufactured



Delivery : Ex-works/ total duration

Estimated time of arrival on site

Program :

Date material required on site

Latest date for order

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.

Submitted by : (C.T.O.M) Eng. Ahmed Abdelraouf

Signature:

4. Engineer's Representative comments:

UL LISTED FM approved, ASTM A536 62-45-12, Ductile Iron grooved fittings and couplings are approved as alternative for fire-fighting applications subject to fulfillment of listed attached comments.

M.S.

2/5/2018

Signature: _____

Date: 3/5/18

- | | |
|-------------------------------------|-----------------------------------|
| ☐ | Approved |
| ☒ | Approved as noted |
| ☐ | Revise and resubmit |
| ☐ | Rejected |
| ☐ | Sample required |
| ☒ | Tests required |
| ☒ | Additional information required |
| ☐ | Manufacturer's guarantee required |

S-PRC-SS-02(F26) Rev 1



dar

Submittal for approval of materials



Date: 16-07-2018

Request no: GAM-MAT-MWS-145-00

Project no. & title: E16104-0400S- T-07 Ministerial Buildings on Plot 17A-18A

Employer: 	Engineer: 	Contractor:
---------------	---------------	-----------------

1. Material description (one item only on this form) :

Galvanized Grooved Fitting UL /FM - water supply Network for Inner diameter 150mm and larger

Sample is attached

Area of application : Water Supply network for Inner diameter 150mm and larger as per SCR reply # Gam-GN-SCR-ME-GL-012-00

Drawing ref. : Water Supply network

B.O.Q. ref. no.:

Specification Ref. : 15140

Standards:

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : (LEDE)

Address : Sheraton - Cairo

Local agent : KIRMARY

3. Delivery :

Country of origin : China

Availability

☐ Locally Manufactured

☒ Overseas

Delivery : Ex-works/ total duration [] []
Estimated time of arrival on site [] []

Program : Date material required on site [] []
Latest date for order [] []

dar Dar Al-Handasah (Shair and Partners)			
Proj. No.: E16104-0400S			
Received			
Distribution	Action	Info	Filing
T.B	✓		
S.O	✓		
A.R	✓		
K.G	✓		

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.

Submitted by : (C.T.O.M) Eng. Ahmed Abdelraouf

Signature:

4. Engineer's Representative comments:

Refer to Comments attached.

19/7/2018

Signature: Date: 19/7/18

☐ Approved
☒ Approved as noted
☐ Revise and resubmit
☐ Rejected
☐ Sample required
☐ Tests required
☐ Additional information required
☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



dar

Submittal for approval of materials



Date: 5-May-18

Request no: ORC-MAT-MFF-0149 Rev.01

Project no. & title: E16104-0405 Cabinet Building - New Capital (394)

Employer: ACUD ADMINISTRATIVE CAPITAL مركز الاستثمارات الحكومية	Engineer: dar	Contractor: ORASCOM CONSTRUCTION
---	-------------------------	---

1. Material description (one item only on this form):

Grooved fittings

Sample Board was in Rev. 0

Area of application: FIRE PROTECTION Works - Grooved fittings

Drawing ref.: N/A

B.O.Q. ref. no: SCG-AP17CAB-CABINET-BOQ-F-X-001

Specification Ref.: 15101

Standards: ASTM A47

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name: LEDE

Address: 5A khaled abn el waleed st., sheraton , cairo , egypt

Local agent: KIRMARY Egypt

3. Delivery:

Country of origin: China

Availability

☐ Locally Manufactured

☒ Overseas

Delivery: Ex-works/ total duration

Estimated time of arrival on site

Program:

Date material required on site

Latest date for order

dar Dar Al-Handasah Shair and Partners				
Project No. E16104-04005				
Revision:				
Discussed	Approved	Sig.	Rev.	Rev.
Al-Hor				
Sola				
Al-Hor				
Al-Hor				
Al-Hor				
Al-Hor				
Al-Hor				

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.

Submitted by: *Caroline*

Signature: *Mina*

4. Engineer's Representative comments:

UL LISTED FM approved ASTM A536 62-45-12, Ductile Iron grooved fittings and couplings are approved as alternative for fire-fighting applications subject to fulfillment of listed attached comments.

M.S.AID

7/5/2018

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☒ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature: *A. Ram*

Date: 9/5/18

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



dar

14 MAY 2018
RECEIVED

dar Dar Al-Handasah
Shair and Partners
13 MAY 2018
RECEIVED

Submittal for approval of materials

Date: 13 May, 2018

Request no: RSC-MAT-MFF-0094 Rev.00

Project no. & title: E16104-0400S-05-DAR
Ministerial Buildings 13A&14A

Employer: 	Engineer: 	Contractor: 
--	--	--

1. Material description (one item only on this form) :

Grooved Fittings
Attachment : 2 Submittals + CD + Sample board

Area of application : Mechanical " Fire Fighting "
Drawing ref. : Fire Fighting Drawings
Specification Ref. : 15101
Standards:
Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE
Address : 5A Khaled Ebn El Waleed St., Sheraton , Cairo , Egypt.
Local agent : Kirmay

3. Delivery :

Country of origin : China
Availability : ☐ Locally Manufactured ☒ Overseas
Delivery : Ex-works/ total duration [] []
Estimated time of arrival on site [] []
Program : Date material required on site [] []
Latest date for order [] []

dar
N. Mor
S. Al
A. Ram
T. B
Amr
Dar Egypt

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.

Submitted by : ENG : FADY ELIAS

Signature: 

4. Engineer's Representative comments:

UL LISTED FM approved ASTM A536 62-45-12, Ductile Iron grooved fittings and couplings
are approved as alternative for fire-fighting applications subject to fulfillment of listed
attached comments

M. Said
15/5/2018

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☒ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature:  Date: 20/5/18

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

dar

21 MAY 2018

27 SEP 2018

RECEIVED

Prj. No. E16104-0400S Time 1:30Pm

Submittal for approval of materials

Date: Thursday, September 27, 2018

Request no: RSC-MAT-MCW-0117 Rev.00

Project no. & title: E16104-0400S-1-05-DAR
Ministerial Buildings 13A&14A

Employer: 	Engineer: 	Contractor: 
--	--	--

1. Material description (one item only on this form) :

Grooved fittings for chilled water pipes
Attachment : 2 Submittals + CD + Sample Board

RED SEA CONSTRUCTION

06 OCT 2018

New Capital Tech Office

B.O.C. ref. no.:

Area of application : Mechanical " HVAC "

Drawing ref. : HVAC Drawings

Specification Ref. : 15100

Standards:

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE
Address : 5A Khaled Ebn El Waleed St., Sheraton , Cairo , Egypt.
Local agent : Kirmary

dar Dar Al-Handasah
(Shair and Partners)

Project No. E16104-0400S

RECEIVED

By	Author	Check	Rev
T.B.			
Sek			
APR			
T.B.			
Amr			

3. Delivery :

Country of origin : China

Availability
☐ Locally Manufactured ☒ Overseas

Delivery : Ex-works/ total duration [] []
Estimated time of arrival on site [] []

Program : Date material required on site [] []
Latest date for order [] []

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.

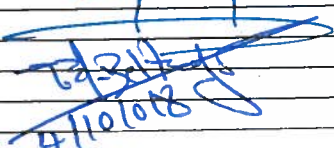
Submitted by : ENG : FADY ELIAS

Signature: 

4. Engineer's Representative comments:

Refer to The attached sheet

shady elsayed


4/10/18

Signature:  Date: 4/10/18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

06 OCT 2018

RECEIVED

Prj. No. E16104-0400S Time

Submittal for approval of materials

Date: 06-10-2018

Request no: TMG-MAT-MWS-0176-Rev No.02

Project no. & title: E16104-0400S Ministerial Buildings plot 15A&16A

Employer: 	Engineer: 	Contractor :  Alexandria Constructions Talaat Mostafa Group
--	--	---

1. Material description (one item only on this form) :

Galvanized Grooved Fitting UL /FM - water supply network for inner diameter 75 mm and larger

Area of application : all buildings
Drawing ref. : water supply network B.O.Q. ref. no.: SCG-2423-15A_16A-BOQ-C&S
Specification Ref. : 15140 Standards: N/A
Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE
Address : Sheraton - Cairo
Local agent : Kirmary

3. Delivery :

Country of origin : CHINA

Availability
☐ Locally Manufactured ☒ Overseas

Delivery :	Ex-works/ total duration	[]	[]
	Estimated time of arrival on site	[]	[]
Program :	Date material required on site	[]	[]
	Latest date for order	[]	[]

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.

Submitted by: Crwon Home(3rd Party QC)
ENG: sabry Ezzeldin Eng. Adel El Barky

P.M ENG: Mohamed Abd Elwahed
Signature

4. Engineer's Representative comments:

Refer to The Comments on The attached sheet

shady elsayed

13/10/2018

Signature: A. Ra

Date: 14-10-18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Received

dar

Submittal for approval of materials



dar Dar Al-Handasah
Shair and Partners

01 MAY 2018

RECEIVED

Proj. No. E16104-04005 Time: 1:30 PM

Date: 1/5/2018

Request no: TMG-MAT-MFF-00099-Rev-No 01

Project no. & title: E16104-04005 Ministerial Buildings Plot 15A & 16A

Employer: 	Engineer: 	Contractor: 
Alexandria Constructions Talaat Mostafa Group		

1. Material description (one item only on this form):

Fire Protection : Grooved Fittings

Sample Board Attached

Area of application : Fire Protection Works

Drawing ref. : N/A

B.O.Q. ref no.: N/A

Specification Ref. : Sections 15101-15300

Standards: ASTM A47/A48/A536

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

dar al-handasah
shair and partners
Mechanical Dept - Dar Cairo

07 MAY 2018

RECEIVED

2. Manufacturer / supplier

Company Name : LEDE
Address : CHINA
Local agent : KIRMARY For Engineering Supplies Egypt

dar al-handasah
shair and partners
Request No: E16104-04005

Specified		
Approved		
Rejected		
Sample		
Tests		
Additional		
Information		
Required		
Manufacturer's		
Guarantee		
Required		

3. Delivery :

Ex- Stock

Country of origin : USA

Availability
☐ Locally Manufactured ☒ Overseas

Delivery : Ex-works/ total duration []
Estimated time of arrival on site []

Program : Date material required on site []
Latest date for order []

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.

Submitted by: ENG. Ashraf Salah
P.M. ENG. Mohamed Abd Elwahed

Signature: C-18/10/1
Signature:

4. Engineer's Representative comments:

UL LISTED FM approved, ASTM A536 62-45-12, Ductile Iron grooved fittings and couplings are approved as alternative for fire-fighting applications subject to fulfillment of listed attached comments
M SAID
7/5/2018

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☒ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature: A. R. Date: 9/5/18

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Attachment: 237 A4 pages + 1 CD

S-PRC-SS-02(F26) Rev 1

10 MAY 2018

RECEIVED

Ministerial Buildings Plot 15A&16A
Time: 10:00 AM

dar

م. أشرف صلاح

إ. محمد عبد الوهيد

Submittal for approval of materials

dar Dar Al-Handasah
Shair and Partners

05 JUL 2018

RECEIVED

Prj. No. E16104-0400S Date: 5-Jul-18

Request no: GRB-MAT-MFF-099-Rev 00

Project no. & title:

E16104-0400S/T-08/Ministerial Buildings on Plots 19B & 20B

Employer: 	Engineer: dar	Contractor: 
--	-------------------------	--

1. Material description (one item only on this form) :

Fire Fighting - Ministries Buildings

Attachment :-

- Hard Copy
- CD
- 1 Sample

Area of application : All Building

Drawing ref. : N/A

B.O.Q. ref. no.: N/A

Specification Ref. : 15101

Standards: N/A

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : Lede

Address : 5A Khaled ebn elwaleed St. , Sheraton , Cairo , Egypt

Local agent : -

dar Dar Al-Handasah
(Shair and Partners)

Project No.: E16104-0400S

Received:

Distribution	Action	Info	Filing
P.B.	☒		
A. Ram	☒		
Sou	☒		
K.C.	☒		

3. Delivery :

Ex-Stock

Country of origin : Egypt

Availability

☒ Locally Manufactured

☐ Overseas

Delivery :

Ex-works/ total duration

Estimated time of arrival on site

Program :

Date material required on site

Latest date for order

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.

Submitted by :

ENG / Ahmed ElMessery

Signature:

19B - 20B

4. Engineer's Representative comments:

Refer to our comments at attached sheets, 5/7/2018

Signature:

A. Ram

Date:

5/7/18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

05 JUL 2018

Submittal for approval of materials

RECEIVED
Prj. No. E16104-0400S Time 2:55

Date: 5-Jul-18

Request no: GRB-MAT-MHD-100-Rev 00

Project no. & title:

E16104-0400S/T-08/Ministeral Buildings on Plots 19B & 20B

Employer: 	Engineer: dar	Contractor: 
--	-------------------------	--

1. Material description (one item only on this form) :

HVAC - Ministries Buildings

Attachment :-

- Hard Copy
- CD
- 1 Sample

Area of application : All Building

Drawing ref. : N/A

B.O.Q. ref. no.: N/A

Specification Ref. : 15101

Standards: N/A

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate

dar Dar Al-Handasah (Shair and Partners)			
Project No.: E16104-0400S			
Received:			
Distribution	Action	Info	Filing
T.B	-		
Sou	-		
A.Ra	-		
K.C	-		
Dar Egypt			

2. Manufacturer / supplier

Company Name : **Lede**

Address : 5A Khaled ebn elwaleed St. , Sheraton , Cairo , Egypt

Local agent : -

3. Delivery :

Ex-Stock

Country of origin : Egypt

Availability

☒ Locally Manufactured

☐ Overseas

Delivery : Ex-works/ total duration

Estimated time of arrival on site

Program : Date material required on site

Latest date for order

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.

Submitted by : ENG./ Ahmed ElMessery

Signature:

19B-20B

4. Engineer's Representative comments:

Refer to our comments at attached sheets

5/7/2018

Signature:

A. Ra

Date:

5/7/18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Submittal for approval of materials



Request no: GRB-MAT-MWS-108-Rev 00

Project no. & title: E16104-0400S/T-08/Ministerial Buildings on Plots 19B & 20B

Employer: 	Engineer: dar	Contractor:
---------------	-------------------------	-----------------

1. Material description (one item only on this form):

Grooved Fittings

for water supply

Attachment :-

- Hard Copy
- CD
- No Sample

Area of application : All Building

Drawing ref. : N/A

Specification Ref. : 15140

B.O.Q. ref. no.: N/A

Standards: N/A

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : Lede

Address : 5A Khaled ebn elwaleed St. , Sheraton , Cairo , Egypt

Local agent : -

3. Delivery :

Ex-Stock

Country of origin : Egypt

Availability

☒ Locally Manufactured

☐ Overseas

Delivery :

Ex-works/ total duration

Estimated time of arrival on site

Program :

Date material required on site

Latest date for order

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.

Submitted by : ENG./ Ahmed ElMessery

Signature:

4. Engineer's Representative comments:

Refer to our comments at attached sheet

4/2/2018

Signature:

Date: 4/2/18

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☒ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Submittal for approval of materials



16-Sep-2018

Project no. & title: Ministry of Justice - Plot 19A

Employer: 	Engineer: dar	Contractor:
---------------	-------------------------	-----------------

1. Material description (one item only on this form) :

Fitting For 2.5" And Larger - Grooved Fittings UL/FM
Soft Copy And Hard Copy Of Catalogue - Without Sample

Area of application : **All Building (19A-20A) - Fire Fighting.**

Drawing ref. : **All Drawings (Fire Fighting)**

B.O.Q. ref. no.: **Cluster 19A-20A**

Specification Ref : **SCG-2423-MINSTRS-SPC-M-F-001-SD-01**
Section : 15101

Standards: **(NFPA &)**

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : **LEDE**
Address : **5A Khaled Ebn Elwaleed Street, Sheraton, Cairo, Egypt**
Local agent : **Kirarmy Engineering Supplies Importing & Exporting Trading Agencies**

3. Delivery :

Country of origin : **China**

Availability :

☐ Locally Manufactured

☒ Overseas

Delivery :

Ex-works/ total duration

Estimated time of arrival on site

Program :

Date material required on site

Latest date for order

dar Al-Handasah (Shair and Partners)				
Project No: E16104-04005				
Received	By	Date	Time	Signature
	M. M. M.			
	S. A. Ram			
	T. B.			
	M. M. M.			

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 submittal items in conformity with the above and deliver same timely.

Submitted by : **Eng. Akram Abdelaziz**

Signature:

4. Engineer's Representative comments:

UL LISTED FM approved, ASTM A536 62-45-12, Ductile Iron grooved fittings and couplings are approved as alternative for fire-fighting applications subject to fulfillment of listed attached comments.

M. Said
23/9/2018

Signature:

Date: **23/9/18**

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

dar Al-Handasah (Shair and Partners) Cairo	
20 SEP 2018	
RECEIVED	
MECHANICAL DEPT	
Prj. No.	Time:

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

S:PRC-SS-02(F26) Rev 1



dar

Submittal for approval of materials

dar Dar Al-Handasah
Shair and Partners

26 NOV 2018

RECEIVED

Prj. No. E16104-0400S Time

Date: 19-Nov-2018
Request no: HAS-MAT-MHD-0180-00

Project no. & title: Ministry of Justice - Plot 19A - E16104-0400S.

Employer: 	Engineer: dar	Contractor: 
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1. Material description (one item only on this form) :

HVAC Grooved Fittings And Coupling
Soft Copy And Hard Copy Of Catalogue - Without Sample

Area of application : All Building 19A-20A
Drawing ref. : All Drawings - HVAC Ducting B.O.Q. ref. no.: Cluster 19A-20A - Section 15100
Specification Ref. : Section 15100 Standards: All American Standard
Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE
Address : 5A Khaled Ebn Elwaleed Street, Sheraton, Cairo, Egypt
Local agent : Kiramary Engineering Supplies Importing & Exporting Trading Agencies

dar Dar Al-Handasah (Shair and Partners)			
Project No.: E16104-0400S			
Received:			
Distribution	Action	Info	Filing
T-B	✓		
300			
A-Ran			
Dar Egypt			

3. Delivery :

Country of origin :
Availability

☐ Locally Manufactured ☒ Overseas

Delivery : Ex-works/ total duration [] []
Estimated time of arrival on site []
Program : Date material required on site []
Latest date for order []

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.

Submitted by : Eng. Akram Abdelaziz

Signature: 

4. Engineer's Representative comments:

Refer to Comments on attached sheet

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☒ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature: A-Ran

Date: 3/12/18

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Submittal for approval of materials



Date: 15/07/2021

Request no: ALAHRAMAT-MAT-MDR-0016

Project no. & title: MSA01 - CONFERENCE & TRAINING CENTER

Employer: 	Engineer: 	Contractor:
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1. Material description (one item only on this form) :

Subject : GROOVED FITTING

Area of application : All Project (SAMPLE ATTACHED)

Drawing ref. : B.O.Q. ref. no. :

Specification Ref. : Standards :

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE

Address :

Local agent : EGYPT

3. Delivery : stock

Country of origin :

Availability
☐ Locally Manufactured ☒ Overseas

Delivery : Ex-works/ total duration [] []
 Estimated time of arrival on site [] []

Program : Date material required on site [] []
 Latest date for order [] []

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.

Submitted by :

Signature :

1. Engineer's Representative comments:

see attached Comment

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature :

Date :

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents



Ref No. : TIC-MS-ME-0006-REV:02 Date 17 / 10 / 2024 Building Name : اسم المبنى : مبنى الجراجات

We are hereby approval on the following Materials : (GROOVED FITTING) تأييد بطلب موافقة لاعتماد المواد التالية : اعتماد مادي

Drawings Ref. (Sheet No.) : مرجع الرسومات : (رقم اللوحة) BOQ Ref. No. : رقم البند في جداول الكميات : (Shair and Partners)
Specification Ref. No. : رقم البند في المواصفات : Material Name (GROOVED FITTING)
Application Area (مجال التطبيق) : GROOVED FITTING Approved by Vendor List : معتمدة بقائمة الموردين : ☒ نعم ☐ لا
Enclosures : المرفقات : DATA SHEET 2- 2- MANUFACTURER / SUPPLIER : الصانع / المورد

Company Name : KIRMARY : اسم الشركة : Country of Origin : بلد التصنيع : ☐ معلوم : ☒ معهود
Address or Phone : العنوان او التليفون : Cairo - Egypt.
Local Agent : الوكيل المحلي :

3- DELIVERY STATUS : حالة التسليم
Date of Material Required on Site : تاريخ المواد المطلوبة في الموقع :
Estimated Date of Arrival on site : التاريخ المتوقع للتسليم في الموقع :

For Contractor :
GM: Manager : مدير المشروع : مهندس / احمد مصلح عبدالعاطي

Action Code & Remarks : كود الاعتماد والملاحظات

(DAR) ملاحظات استشاري الجهة المنفذة (DAR)
Refer To attached Dar Comments.
Contractor & Supplier shall implement all comment prior any commitment.

Action Code : كود الاعتماد
A Approved : معتمد ☐
C Revise - Resubmit : تراجع و بعد تقديمه ☐
B Approved as Noted : معتمد بملاحظات ☒
D Rejected : مرفوض ☐

(HBRC) ملاحظات استشاري الجهة المالكة (HBRC)
(1) (MS) for grooved fitting is accepted as per approval vendor list & technical point of view (2) MIR shall implement all supporting documents (Co, packing list, test certificate) (3) (MS) for storage & installation procedure and to be as per manufacture recommendation, stamped with Authorized Agent (4) Random sample will be taken from the patch for testing in Authorized laboratory.

Action Code : كود الاعتماد
A Approved : معتمد ☐
C Revise - Resubmit : تراجع و بعد تقديمه ☐
B Approved as Noted : معتمد بملاحظات ☒
D Rejected : مرفوض ☐

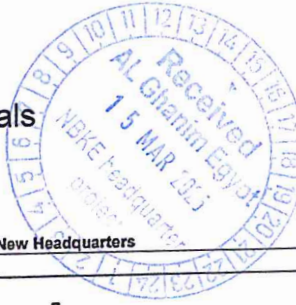
ملاحظة : الموافقة لاتغطي المقاول من التزاماته بموجب العقد فهذه الموافقة ليست امر تغيير
تمت الموافقة على الأعمال المذكورة على أن يتم التنفيذ طبقا للوائح التصميمية المعتمدة ومواصفات المشروع وكافة الوثائق التعاقدية

Consulant (HBRC) Name : اسم وتوقيع استشاري (الجهة المالكة) Date : / / التاريخ

Contractor Agent: Name : اسم العميل : Sign : التوقيع :
Signature : التوقيع :
Date : / / التاريخ :
تمت الموافقة على الأعمال المذكورة على أن يتم التنفيذ طبقا للوائح التصميمية المعتمدة ومواصفات المشروع وكافة الوثائق التعاقدية

(5) size subject to pipe size (see sch 40) (Contractor Responsibility)
Malaak
13/11/2024

Submittal For Approval Of Materials



Date: 03-03-2025

Request no: MAT-AGI-02-G00-ME-FF-0206-00

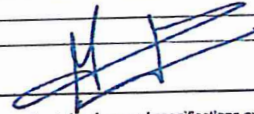
Project No. & Title: E19049-0200S - National Bank of Kuwait New Headquarters

Employer: 	Engineer: dar	Contractor:  Al-Hanash International Inc. Egypt القائم إنترناشيونال للاستشارات مصر ش.م.م عضو في مجموعة شركات قنات القنم والارامه Dar Al-Handasah
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1. Material description (one item only on this form) :		 Dar Al-Handasah Project No.: Received: Distribution: Action: Info: Plan: MAY ✓ AA ✓ KE ✓ File No.:
Alternative Grooved Fitting - LEDE (Without Sample)		
Area of application : All Project	Pjt. No. : Time: 09:00	
Drawing ref. : 1144-CP04-DA-CO-F00-F-7001	B.O.Q. ref. no.: DEVISION 21	
Specification Ref. : 211313/211200	Standards: ASTM A 47 / A 47m-ASTM A536	

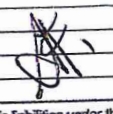
2. Manufacturer / supplier	
Company Name : LEDE	
Address : Cairo, Egypt	
Local agent : KIRMARY FOR ENGINEERING SUPPLIES	

3. Delivery :	
Country of origin : China	
Availability : ☐ Locally Manufactured ☒ Overseas	
Delivery : Ex-works/ total duration [2 DAYS]	
Estimated time of arrival on site [As per our request]	
Program : Date material required on site [03-04-2025]	
Latest date for order [08-03-2025]	

4. LEED : ☐ Yes ☒ No	
Credit :	
List of LEED Attachments : N.A	
LEED Coordinator : Eng. Maichel Hamdy	Signature: 

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.

Submitted by: Eng. Ahmed Eissa Signature: 

5. Engineer's Representative comments:		☒ Approved ☒ Approved as noted ☐ Revise and resubmit ☐ Rejected ☐ Sample required ☐ Tests required ☐ Additional information required ☐ Manufacturer's guarantee required
*Refer to the attached comments.		
Mohamed Yassin - Ahmed Ashraf		
Signature: 		
Date: 15. III. 25		

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

dar

Our Ref.: SYS-SOAC-G-EET-0406-5658

06th April 2025

**Siemens-Orascom-Arab Contractor Consortium
Bureau 175**

Al Horreya axis 90 South Road -5th settlement,
New Cairo - Cairo – Egypt - P.O. Box 245/11835

**Attention to: Mr. Peter Papert
Consortium Representative**

**Project: Electric Express Train – EET Project (Ain Sokhna – Borj Al Arab – Alamein – Marsa Matrouh)
PMC Consultancy Services for the implementation of EET Project**

Subject: Grooved fitting brand (LEDE) and threaded fitting brand (MECH) – Company (Kirmary)– Rev. B

Dear Sir,

With reference to the Consortium Notice of Submission No. HSR-SOA-SUB-SYS-AL-001157 [B] regarding the subject above, please find attached the Review for Grooved fitting brand (LEDE) and threaded fitting brand (MECH) – Company (Kirmary)– Rev. B.

We remain at your disposal for any further information/clarification you may need in this concern.

Yours faithfully,

**Marc SEFFACENE
EET Project Director**



Attachments:

- RCS.

CC: NAT



EGYPT BRANCH

MIVIDA – Business Park No.2 – Building B7 – 3rd Floor – 5th Settlement – New Cairo – Cairo (ARE)

Tel: +20 (02) 6 330 2112 • Fax: +20 (02) 6 330 2114 • Email: egypt@systra.com • Website: www.systra.com



Submission Review and Comment Sheet



REVIEW NOTICE

Green Line			
RCS Number	HSR-SYS-RCS-SOA-AL-001120 [B]		
Transmittal No	HSR-SOA-SUB-SYS-AL-001157 [B]	Document Number	HSR-SOA-MAR-MEPFFS-AL-1400002
Transmittal Date	-	Receiving Date	04/12/2024
Contractor Name	SOAC	Document Revision	B
Designer	SOAC	Location	N/A
Transmittal Subject	MAR - Grooved Fitting Brand (Lede) and Threaded Fitting Brand (MECH) – Company (Kirmary)		
Document Title	MAR - Grooved Fitting Brand (Lede) and Threaded Fitting Brand (MECH) – Company (Kirmary)		

The following Conditional Notes apply to this Review:

- Where an RCS replies to an advance submission, any approval noted is not effective until the formal submission has been received by ER and any progress of the Works shall be at the Contractor's own risk
- Approval or comments by the ER of any equivalent or superior designs, products, services, standards or any other deliverables to those designated in the Contract which are proposed by the Contractor, shall not constitute a variation nor entitle the Contractor to any additional payment or extension of time.
- The status given by the Employer's Representative /General Consultant for this submission does not exonerate or relieve the Contractor from any obligation or liability hereunder. Each such status is given in reliance upon, and subject to the performance by the Contractor of its Works in accordance with and pursuant to the terms, covenants, provisions and conditions of its Contract. Without limitation to the generality of the foregoing, neither the review nor the Approved status of any submittal or portion thereof by the Employer's Representative / General Consultant shall relieve the Contractor of any of its responsibilities whatsoever for the accuracy or integrity of the submittal, or the ability of the Contractor to meet any conditions specified in the submittal. While Employer's Representative / General Consultant retains rights of Approval for all submittals, the areas in which it retains Approved rights is limited to the Employer's Representative / General Consultant scope of work, for the information provided by the Contractor.
- The Contractor may include many documents in one submission (Transmittal form) however where possible, it is ER policy to reply individually to each listed submitted document.
- If appropriate, ER may respond to many documents received on one submission (Transmittal Form) where one response will be applied to the entire submission package.
- Document number shall be a document in the transmission list (usually the first number listed)
- This Review comments comprises all of the pages listed in the footer below
- The Review Notice Status shown below applies to all documents described in the Comments Sheet
- Major (M) classified comments are issued when the referenced document submission fails to meet or describe a requirement in respect of how the submission requirement is organised, implemented or maintained and without correction will introduce a major risk and will jeopardise the effectiveness of the submission if implemented
- Minor (m) classified comments are issued when the referenced document submission fails to meet or describe a requirement in respect of how the submission requirement is organised, implemented or maintained and without correction may jeopardise the effectiveness of the submission.
- The Contractor must state if their response to ER Comments have been incorporated (I) into a revised document or, shall not be incorporated (NI) as described
- Any ASCII character may be used to denote data entry into the fields for M, m, I or NI
- Unresolved comments shall be incremented by a decimal index and all related comments shall remain open until the subject is resolved
- Project procedure EET-SYS-MPL-OPMDOC-GL-CON-1001 provides detailed definition of "Summary Meaning" below

STATUS OF THE REVIEW NOTICE		APPROVED WITH COMMENTS
Status	Summary Meaning	
APPROVED	No objection to proceed	
APPROVED WITH COMMENTS	No objection if the Contractor incorporates comments and resubmits for approval	
REJECTED	Revise and resubmit after fulfilling the comments	
RECEIPT FOR INFORMATION	ER receipt only no action required	

Submission Review and Comment Sheet



REVIEW NOTICE

Green Line			
Transmittal No	P3JV-OCI-ACO-SWE-MAR-00238	Document Number	P3JV-OCI-ACO-SWE-MAR-00238
Transmittal Date	25-08-2025	Receiving Date	25-08-2025
Contractor Name	P3JV-OC-AC-EEPSP	Document Revision	A
Designer	ECG	Location	All Stations
Transmittal Subject	(WF-001310) Material Submittal for Fire Fighting Grooved Fitting - LEDE - Kirmary		
Document Title	(WF-001310) Material Submittal for Fire Fighting Grooved Fitting - LEDE - Kirmary		

The following Conditional Notes apply to this Review:

- Where an RCS replies to an advance submission, any approval noted is not effective until the formal submission has been received by ER and any progress of the Works shall be at the Contractor's own risk
- Approval or comments by the ER of any equivalent or superior designs, products, services, standards or any other deliverables to those designated in the Contract which are proposed by the Contractor, shall not constitute a variation nor entitle the Contractor to any additional payment or extension of time.
- The status given by the Employer's Representative /General Consultant for this submission does not exonerate or relieve the Contractor from any obligation or liability hereunder. Each such status is given in reliance upon, and subject to the performance by the Contractor of its Works in accordance with and pursuant to the terms, covenants, provisions and conditions of its Contract. Without limitation to the generality of the foregoing, neither the review nor the Approved status of any submittal or portion thereof by the Employer's Representative / General Consultant shall relieve the Contractor of any of its responsibilities whatsoever for the accuracy or integrity of the submittal, or the ability of the Contractor to meet any conditions specified in the submittal. While Employer's Representative / General Consultant retains rights of Approval for all submittals, the areas in which it retains Approved rights is limited to the Employer's Representative / General Consultant scope of work, for the information provided by the Contractor.
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- If appropriate, ER may respond to many documents received on one submission (Transmittal Form) where one response will be applied to the entire submission package.
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- This Review comments comprises all of the pages listed in the footer below.
- The Review Notice Status shown below applies to all documents described in the Comments Sheet
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- Minor (m) classified comments are issued when the referenced document submission fails to meet or describe a requirement in respect of how the submission requirement is organised, implemented or maintained and without correction may jeopardise the effectiveness of the submission.
- The Contractor must state if their response to ER Comments have been incorporated (I) into a revised document or, shall not be incorporated (NI) as described.
- Any ASCII character may be used to denote data entry into the fields for M, m, I or NI
- Unresolved comments shall be incremented by a decimal index and all related comments shall remain open until the subject is resolved
- Project procedure EET-SYS-MPL-OPMDOC-GL-CON-1001 provides detailed definition of "Summary Meaning" below.

STATUS OF THE REVIEW NOTICE		APPROVED WITH COMMENTS
Status	Summary Meaning	
APPROVED	No objection to proceed	
APPROVED WITH COMMENTS	No objection if the Contractor incorporates comments and resubmits for approval	
REJECTED	Revise and resubmit after fulfilling the comments	
RECEIPT FOR INFORMATION	ER receipt only no action required	

MATERIAL INSPECTION REQUEST



ORASCOM
CONSTRUCTION

SIEMENS



The Arab Contractors
Oman United States & Co



Green Line

Location Name		Contractor Company		Designer Company	
New Capital Yard		SOAC		DAR	
Issued by Contractor	Name	Sign	Date	Designation	
	Tarek Attia	[Signature]	10-11-2025		
Contractor Reference	MIR-NCY-MEW-CJV-00005				Revision.A
Received by ER	Name	Sign	MIR	DD	MM
	[Signature]	[Signature]		10	11
				YY	h m
				25	02 00
Description of Materials	Grooved fitting & Threaded fitting				
Location to be Used	Green line				
Will Materials be Covered Over when used	No ☐ Yes ☒ Note:				

Strike out items below if Not Applicable

Subject	Ok Y/N	Subject	Ok Y/N	Subject	Ok Y/N
Permanent Works use	Y	Dimension Check	Y	Certificate of Conformance Check	N
Delivery Ticket description	Y	Quantity checked	Y	Test Certificates attached	N
Safe access and material handling	Y	Shelf Life in date	Y	Paint /Galv Check & Certificates attached	N
Packaging Visual damage Check	Y	Storage Condition suitability check	Y	Weld certificates attached	N
Item inside packaging Visual damage check	Y	Drawing compliance check	Y	Specification compliance check	N
FAT Report approved	N	MAR Reference Check and if Comments	Y	Certificates Readable Signed /Stamped	Y
Supplier Name	Kirmar	Item Serial Number and Hard Stamp Check	Y	Country of Origin Check	Y
Factory Release Certificate	N	Test Sample Ref: No and Photo	Y	ETA /CE certificate Check	N
Reference Photos to be attached to File (Number)	N	Sample taken to Approved Laboratory	N	BOQ	N

Item	Description	Unit	Quantity	Arrival Date	Note
1	(Lede) Grooved Flange PN 16 2 1/2 73mm INCH -Adaptor	PCS	15	10-11-2025	
2	(Lede) Grooved Flexible Coupling 2 1/2 73 mm	PCS	110	10-11-2025	
3	(Lede) Grooved Elbow 90 2 1/2 73 mm INCH	PCS	15	10-11-2025	
4	(Lede) Grooved Thrd Reducer 2 1/2 x2 INCH	PCS	10	10-11-2025	
5	(Mech/D300) Threaded Tee 2 INCH	PCS	10	10-11-2025	
6	(Mech/D300) Tee Red Threaded 2x 1 INCH	PCS	110	10-11-2025	
7	(Mech/D300) Tee Red Threaded 2x 1/2 INCH	PCS	115	10-11-2025	
8	(Mech/D300) Threaded Elbow 90 2INCH	PCS	100	10-11-2025	
9	(Mech/D300) Threaded Elbow 90 1 INCH	PCS	120	10-11-2025	

MATERIAL INSPECTION REQUEST



ORASCOM
CONSTRUCTION

SIEMENS



The Arab Contractors
Omar Ahmed Omar & Co



10	(Mech/D300) Elbow Red Threaded 1x 1/2 INCH ✓	PCS	125	10-11-2025	
11	(Lede) Grooved Thrd Mech Tee 2 1/2 x 1 1/2 INCH ✓	PCS	16	10-11-2025	
12	(Lede) Grooved Thrd Mech Tee 2 1/2 x 1 INCH ✓	PCS	16	10-11-2025	
13	(Lede) Grooved Thrd Mech Tee 2 1/2 x 1/2 INCH ✓	PCS	16	10-11-2025	
14	(Mech/D300) Threaded Bushing 1/2 x 1/2 INCH ✓	PCS	16	10-11-2025	
15	(Mech/D300) Threaded Nipple 1/2 INCH ✓	PCS	24	10-11-2025	
16	(Mech/D300) Threaded Nipple 1 INCH ✓	PCS	24	10-11-2025	
17	(Mech/D300) Threaded Galvanized Tee 1/2 INCH ✓	PCS	16	10-11-2025	
18	(Mech/D300) Threaded Galvanized Tee 1 INCH ✓	PCS	16	10-11-2025	
19	(Giacomini) Bell Valve 1/2 INCH ✓	PCS	24	10-11-2025	
20	(Mech/D300) Red Coupling Threaded 1 x 1/2 INCH ✓	PCS	16	10-11-2025	
21	(Mech/D300) Threaded Galvanized Elbow 90 1 INCH ✓	PCS	32	10-11-2025	
22	(Mech/D300) Threaded Galvanized Elbow 90 1/2 INCH ✓	PCS	16	10-11-2025	

Comments by ER

- Storing and Quantities are the Contractor responsibility.

APPROVAL STATUS

Organisation	Name	Sign	Designation	Date	A- AWC- R
Contractor Engineer	For Tarek Attia				A
Contractor QA/QC	Tarek Attia				A
GARB /NAT*					
Employer's Representative	Mohamed Toho		10-11-25		AWC

* Alignment/Bridges: Culvert only

A= Approved; AWC= Approved with Comments; R= Reject

MATERIAL INSPECTION REQUEST

الهيئة القومية للإنشاء



EGYPT
HIGH
SPEED
RAIL
CONSTRUCTION



Green Line

Location Name		Contractor Company		Designer Company	
October Gardens Yard		SOAC		DAR	
Issued by Contractor	Name	Sign	Date	Designation	
	Abdelhalim Mohamed	<i>[Signature]</i>	10-02-2026		
Contractor Reference	MIR-OGY-MEW-CJV-00042			Revision: A	
Received by ER	Name	Sign	MIR	DD	MM
	Mohamed Mohsen			14	02
	YY	HH	MM		
	26				
Description of Materials	Grooved fitting & Threaded fitting Grooved fitting brand (LEDE) and threaded fitting brand (MECH) – Company (Kirmary)				
Location to be Used	Green Line, October Gardens Yard				
Will Materials be Covered Over when used		No ☐ Yes ☒	Note:		
Permanent Works	Yes ☒ No ☐	Certificate of Conformance	Test Certificates attached ☒		
Reference Photos	Yes ☐ No ☒	Delivery Ticket	Weld certificates attached ☐		
Supplier Name	Kirmary	Quantity checked	Paint /Galv Certificates attached ☐		
MAR Reference	HSR-SOA-MAR-MEPFFS-AL-1400002	Shelf Life in date	Lab sample taken ☒		
Reference in BOQ		Storage condition	Sample Ref:		
Item	Description	Unit	Quantity	Arrival Date	Note
1	(Lede) Grooved Flange ANSI 4 INCH	PCS	8	10-02-2026	
2	(Lede) Grooved Rigid Coupling 4 INCH	PCS	40	10-02-2026	
3	(Lede) Grooved Thrd Reducer 2 1/2 x 2 INCH	PCS	4	10-02-2026	
4	(Lede) Grooved Reducer 3 x 2 1/2 INCH	PCS	4	10-02-2026	
5	(Lede) Grooved Flange ANSI 2 1/2 INCH	PCS	25	10-02-2026	
6	(Lede) Grooved Flange ANSI 3 INCH	PCS	1	10-02-2026	
7	(Lede) Grooved Rigid Coupling 2 1/2 INCH 73 mm	PCS	20	10-02-2026	
8	(Kirmary/KM 700) Bronze Check Valve PN 20 1 1/4 INCH -USA	PCS	1	10-02-2026	
9	(Mech/D300) Threaded Union 1 1/4 INCH Brass To Iron	PCS	2	10-02-2026	
10	(Lede) Grooved Thrd Mech Tee 2 1/2 x 1 1/4 INCH	PCS	5	10-02-2026	
11	(Lede) Grooved Reducing Tee 4 x 2 1/2 INCH	PCS	3	10-02-2026	
12	(Lede) Grooved Reducer 4 x 2 1/2 INCH	PCS	3	10-02-2026	

MATERIAL INSPECTION REQUEST

الهيئة العامة للإنتاج



13	(Lede) Grooved Thrd Mech Tee 2 1/2 x 1 1/4 INCH	PCS	4	10-02-2026	
14	(Lede) Grooved End Cap 2 1/2 INCH	PCS	4	10-02-2026	
15	(Lede) Grooved Tee 4 INCH	PCS	4	10-02-2026	
16	(Mech/D300) Threaded Elbow 90 1 INCH	PCS	8	10-02-2026	
17	(Lede) Grooved Elbow 90 2 1/2 73 mm INCH	PCS	30	10-02-2026	
18	(Mech/D300) Threaded Elbow 90 2 INCH	PCS	16	10-02-2026	
19	(Lede) Grooved Flange ANSI 2 INCH	PCS	8	10-02-2026	
20	(JY/Z108) Bronze Gate Valve PN20 WRAS approved 11/4 INCH	PCS	2	10-02-2026	

Comments by:

Comments by:

Our approval is subjected to clear copy from approved project documents (i.e., Specs, BOQ, Civil Defence, Shop drawings, MAR, Calculation notes, etc.)

Quantities, sizes and storage is contractor responsibility.

CO.O, Packing list, BOL should be submitted.

APPROVAL STATUS					
Organisation	Name	Sign	Designation	Date	A-AWC-R
Contractor Engineer			OC.ENG	14-02-2026	A
Contractor QA/QC	Abdelhalim Mohamed	<i>Ask</i>	QC.ENG	14-02-2026	A
Employers Representative	Mohamed Mohsen	<i>MM</i>	Sr. MEP	14/2/26	AWC

* Alignment/Bridges: Culvert only

A= Approved; AWC= Approved with Comments; R= Rejected

Contract No./Name: CORP-PO-100100000048

	AD Ports Group Project	  
PROJECT TITLE	Contract No. CORP-PO-100100000048 Title: Design & Construction of Multi-Purpose Terminal at Safaga Port, Egypt)	

Material Submittal's for Grooved fittings- (Kirmary)- (Iede)

CONTRACTOR'S VERIFICATION STAMP		DOCUMENT STATUS STAMP	
We, Hassan Allam Construction, verify that this contractor's document: - Has been produced and checked in accordance with contractor's quality assurance plan - Is of a standard that will enable the employer to accept it in accordance with the contract - Complies with all requirements of the contract		Ahmed Yehia 29-08-2025 _____ AD Ports Group Code 2 _____ Code	
Following deviations to contract are referenced for which a dispensation has been accepted by the employer: None		☐ Code 1: Work may proceed.	
Other related letters/CTIs which document clarifications associated with this document are listed below: None		☐ Code 2: Revise & Resubmit. Work may proceed subject to incorporation of comments indicated.	
Contractor's Project Manager:   Nour Ismail _____ Project Manager 14-August -2025 _____ Signature Date		☐ Code 3: Revise & Resubmit. Work may not proceed.	
		☐ Code 4: Review not required. Work may proceed.	
The statement "work may proceed" applies to the following work activities associated with the matters contained within the contractor's document:			
Any review, comment or acceptance by employer under this contract with respect to any of contractor's documents shall not in any way be, or deemed to be, an approval of any works or an acceptance that the contractor's documents meet the requirements of the contract, as contractor has the sole responsibility for performing the works in accordance with the requirements of this contract.			

Document Number: 100100000048-V4-7510-00012

001	14-August-2025	Issued for Approval	Ali Shahat 	Nour Ismail 	Mohamed Ezzeldin 
Rev	Date	Reason For Revision	Prepared	Checked	Approved

EMPLOYER: ALSHARIF HOTELS & TOURISM 	PROJECT MANAGER/ ENGINEER HEXAGON - PROJECT & CONSTRUCTION MANAGEMENT CONSULTANTS 	ARCHITECTURE AND MEP CONSULTANT RAAFAT MILLER CONSULTING (RMC) 	CONTRACTOR: CCC EGYPT FOR CONSTRUCTION 	ID and FF&E CONSULTANT SYBILLE DE MARGERIE EL GHONEIMI	STRUCTURAL DESIGN & SUPERVISION E.C.O. - ENGINEERING CONSULTATION OFFICE, EGYPT ENGINEERING CONSULTATIONS OFFICE E.C.O. ABDEL-RAHMAN & ASSOCIATES	PROJECT TITLE: SHEPHEARD HOTEL RENOVATION - EXISTING AND ANNEX BUILDINGS - PACKAGES SH-06B AND SH-06C 
CONTRACTOR NO. 1280	DOCUMENT NO. FM-PQMP-1280-006-001A - (ENGINEER FORM)	REV. NO. / DATE 001/25-05-2025			PAGE 1 of 1	

DOCUMENT TITLE

Material Approval Request (MAR)

PROJECT: SHEPHEARD HOTEL RENOVATION

No.: SH-GENR-MEC-MAR-0162- Rev. No.00

OWNER / INVESTOR: E.G.O.T.H / AL-SHARIF FOR HOTELS AND TOURISM (ASG)

Date: 23/9/2025

PROJECT MANAGER : HEXAGON - PM CONSULTANT

CONSULTANT : RMC/ECO

CONTRACTOR: CCC EGYPT

FROM: CCC EGYPT

To: Hexagon / RMC M/s

Atten:

ATTACHMENTS:

- ☒ SAMPLES
☒ ORIGINAL BROCHURE
☒ SPECIFICATION COMPARISON SHEET
☒ PREQUALIFICATION
☐ VENDOR LIST
☐ OTHERS

DISCIPLINE:

- ☐ CIVIL
☐ ARCHITECTURAL
☐ MECHANICAL
☐ ELECTRICAL
☐ OTHER (STATE)

APPROVAL REQUIRED BY: (DATE)

- SYSTEM : FIRE FIGHTING
SUB-SYSTEM : WET PIPE SUPPRESSION SYSTEM

Attach all relevant technical literature marked by "clouding " to identify relevant description, current test certificates, samples as appropriate.

MATERIAL DESCRIPTION :

GROOVED FITTINGS

Location / Area :

General

Drawing Ref :

General

Specification Ref :

211000

MANUFACTURER/ SUPPLIER

Company Name:

LEDE

Country of Origin:

CHINA

Local Agent:

KIRMARY

DELIVERY :

Production Period:

40 days

Delivery of Works:

10 days

Total Delivery Time:

1.5 month

Expected Date of Delivery on Site:

CONTRACTOR'S REPRESENTATIVE :

Name:

Eng. Bahij Soukariéh

Signature:

Date:

23/09/2025

CONSULTANT COMMENTS:

Refer back to all attachment papers in this submittal and compare with IFC, Spec Drawing, BOQ. Accepted of Grooved fittings Brand Name (LEDE) to be supplied in site by (Kirmary Co. K.M.) - all material must be supported with All certificates, Consultant can take any random sample.

Name:

Eng. Bahij Soukariéh

Signature:

Date:

29.9.2025

PM COMMENTS:

Follow RMC Comments.

Name:

Signature:

Date:

30/9/2025

DISTRIBUTION:

Original:

Copy to:

PROJECT & CONSTRUCTION MANAGEMENT CONSULTANTS

29 SEP 2025

SHEPHEARD HOTEL

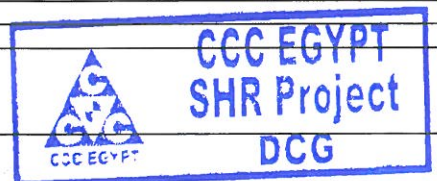
Received

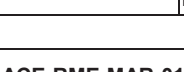
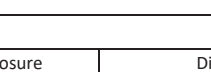
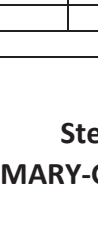
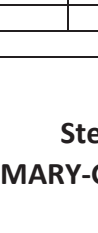
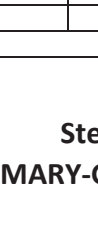
RE Use Only

☐ (A) Approved☒ (B) Approved as Noted

Required:

- ☒ Samples
☒ Tests Certificate
☒ Original Brochure
☐ Manufacturer's Guarantee
☒ More Information
☐ Others

☐ (C) Revise and Resubmit☐ (D) Rejected

	 ACE CONSULTING ENGINEERS MOHARRAM.BAKHOUM	
CONSTRUCTION OF ALSTOM NEW CABLING FACTORY AT BORG AL-ARAB, EGYPT		
Client:	ALSTOM	
Consultant:	ACE Arab Consulting Engineers	
Contractor:	ROWAD MODERN ENGINEERING	
MATERIAL APPROVAL REQUEST (MAR)		
MAR No : ALB-ACE-RME-MAR-0153	Rev 01	Date 18/Sep/2025
☐ Drawing		☐ Elec
☐ Literature		☐ Arch
☐ Calculation		☒ Mech
☐ Specification		☐ HVAC ☐ Plumbing
☐ CD		☐ Fire Fighting & Fire Alarm
☒ Other		☐ General
Purpose:		
☒ Approval ☐ Revision ☐ Information		
References Engineering Documents		
Design Dwg.	Specification	B.O.Q
N/A	211200	
Zone/Area	Location	Level
GENERAL	GENERAL	GENERAL
Axis&Grid	GENERAL	
GENERAL		
Item	Document Ref. No.	Rev
1	ALB-ACE-RME-MAR-0153	01
Date	Title	
18/Sep/2025	Steel Pipes Fittings (KIRMARY-GROOVED FITTING-LEDE)	
Status		
Technical Manager  Name: Signature:		
Quality Manager  Name: Signature:		
Project Manager  Name: Signature:		
Comments : LEDE is approved as a Grooved fitting manufacturer, while Kirmary Co. for Engineering Supplies is initially approved for the supply of Grooved fittings and The contractor shall comply and provide the following documents as per below ACE highlighting BLUE reply:		
Consultant / Engineers Representative		
Action		
Engineer:		
Signature:		
Date:		
(A) : Approved		
(B) : Approved as Noted - Work May Proceed		
(C) : Revise & Re- Submit - Work May Not Proceed		
(D) : Rejected		
(E) : Review Not Required		

AUC Campus Expansion Project



The American
University in Cairo



EHAFC
CONSULTING ENGINEERS



ORASCOM
CONSTRUCTION



SHAKER
CONSULTANCY GROUP



HILL
International

MATERIAL SUBMITTAL FORM – (MAR)

Contract No.: MJ23-002

PEG 1188

Package No.: CP02

TO: Sherif El Attar
Project Director, Hill International

SUBMITTAL NO.: PEG-1188-CP02-DC08-CN-OC-HI-MAR-0310

From: Sherif Gawargy
Project Director, Orascom

Date : 13 September 2025

REVISION: REV 00

Title: Grooved Fittings (Lede) by KirMary

C/ Ref.:



MATERIAL SUBMISSION DESCRIPTION

Discipline: Mechanical

Description of Material : Grooved Fittings (Lede)

Manufacturer : Lede

Supplier / Local Agent / KirMary

Specification: 211313 - 232113

BOQ Ref: NA

Description of Attachments: Datasheet

Description of Samples: NA

Specification Comparison Sheet: attached

Comparison in case of Alternative Submittal

CONTRACTOR SIGNATURE: *[Signature]*

Date: 14/9/2025

Hill Receive:

Consultant Receive:

Returned to Consultant

Contractor Receive:

16 SEP 2025

16 SEP 2025

30 SEP 2025

30 SEP 2025

AUC Campus Expansion Project
Received

AUC Campus Expansion Project
Received

Received Time:

EMPLOYER'S COMMENTS

Name:

Signature:

Date:

PROJECT MANAGEMENT CONSULTANT'S REVIEW - (Hill International)

Name:

Signature:

Date:

SUPERVISION CONSULTANT'S COMMENTS

Refer to attached comments



A- APPROVED



B- APPROVED AS NOTED, WORK MAY
PROCEED – INCORPORATE COMMENTS



C- REVISE / RESUBMIT



D- REJECTED

For & On behalf of (Specify)

REVIEWER

DATE

PROJECT MANAGER

DATE

	SP0170 Obelisk - Solar + BESS EPC		
Document No.	SP0170-SIEM-CI-DAT-073	Revision No.	01
Contractor Document No.	G55071-A2406-DOC-073	Revision Level	IFR

Galvanized Steel fitting

Type: Steel Pipes Grooved Fittings.
Brand: LEDE.

CODE 2
Approved with Comments

Galvanization process should be provided and approved.

شهادة اعتماد فنى

Technical Accreditation Certificate

To Whom It May Concern

الى من يهمه الأمر

Center of Planning and Architectural Studies (CPAS) "Prof. Dr. Abdelbaki Ibrahim & Partners" Expertise House of Engineering Consultancy witnesses that: Kir Mary company for Engineering Supplies technical file in the field of: supply of fire Fighting systems was studied, for products: valves ,Fire Hose Cabinet for brand :KM , SPP Pumps ,Hangers made in USA , Bristol Pumps ,Tiger Steel ERW pipes made in UAE - LEDE Valves for fighting , Plumbing works and Grooved fitting ,MECH threaded fittings 300 di, viking fire hydrants and sprinklers , zurn Drains , water hammer and hose bib upon the company's request.

يشهد من مركز الدراسات التخطيطية والمعمارية "أ.د. عبد الباقي إبراهيم وشركاه" - بيت خبرة في الهندسة الاستشارية بأن شركة: كير ماري للتوريدات الهندسية، قد درست ملفها الفني في مجال: توريد أنظمة إطفاء الحريق لمنتجات: المحابس ماركة KM - صناديق الحريق ماركة KM - مضخات spp - هناجر صناعة USA - مضخات برينسول ومواسير ماركة TIGER - مضخات STEEL صناعة UAE - (محابس حريق - محابس صرف - وصلات جر وفد) ليدى - وصلات فلافوط ماركة MECH - DI 300 - (عساكر الحريق ومرشاشات) فايكيغ ، وذلك بناءً على طلب الشركة.

By examining the technical file, documents and certificates submitted by Royal Top Company, we hereby confirm that they comply with the technical and engineering quality requirements. The aforementioned products are, thus, listed in the Materials and Vendors Lists approved by CPAS in its various projects inside/ outside the Arab Republic of Egypt for a period of **one calendar year** starting from the date of issue listed below.

وطبقاً للملف الفني والمستندات والشهادات المقدمة من الشركة فهي مستوفاة للمتطلبات الفنية وتحقق اشتراطات الجودة الهندسية ويندر إخراجها ضمن قائمة الخامات والمواد المعتمدة لدى المركز في مشروعاته المتنوعة داخل/ خارج جمهورية مصر العربية وذلك لمدة سنة ميلادية تبدأ من تاريخ الإصدار المدرج أدناه.

Noteworthy, this certificate is not considered individually for the approval in any project except after referring to the technical approval request for the project.

علماً بأنه لا يعتد بذلك الشهادة منفردة للاعتماد بأي مشروع إلا بعد الرجوع لطلب الاعتماد الفني الخاص بالمشروع.

In witness whereof, we issued this certificate,

وهذه شهادة منا بذلك،،،

Date of Issue: Tuesday 28/10/2025

صدر في يوم الثلاثاء الموافق ٢٨/١٠/٢٠٢٥

Ven-Cer-2025-010-AG

P.O. Box : 6 Saray - El-Kobba - P.C. : 11712

14 El-Sobky st. - Heliopolis - Cairo - Egypt

Tel : (202) 24190 271 / 843 / 744 - Fax: (202) 22919 341

E-mail : info@cpas-egypt.com - www.cpas-egypt.com

ص.ب: 6 سراى القبة - رمز بريدى : 11712

14 شارع السبكي - خلف نادى هليوبوليس

مصر الجديدة - القاهرة - جمهورية مصر العربية

ت : 24190 271 / 843 / 744 (202)- ف : 341



		COMMENT RESOLUTION SHEET(CRS)						
Project Name		YADA Factory – Al Alamein				Date:		1 April 2026
CRS Reference No.: YADA-RME-PAC-DS-0433		Rev.00	Page:	1 of 1				

Contractor Document Number and Description	Received	Code	PACER Document Reference	Issued
YADA-RME-PAC-DS-0433	1 April 2026	B	CRS-YADA-RME-DS-0433	1 April 2026
Grooved Fitting - Brand : lede - Supplier :kirmary				

S. No.	Drawing/ Report Section or Clause No.	Engineer's Comments	CRS Status (Open / Closed)	Contractor's Response	Remarks
1.		Approved Brand Lede for Grooved fitting.			
2.		Provide sample before delivery for final approval.			
3.		Provide Origin certificate and shipment Docs upon delivery on site.			

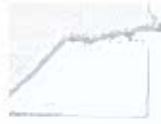
Review Approval Code:

A – Approved as Submitted

B – Approved with Comments

C – Reviewed & Resubmit

D – Rejected



(250ps) UL-FM
27/11/2023

LEDE®

SHANDONG LEDE MACHINERY CO.LTD
Most professional manufacturer of grooved fittings



Technical Consultations Bureau
EL SAHLY - EL SAWY
6, Gaber bn Hian St., GIZA



Alexandria Construction
Document Control Department
1298 Head Quarter Project
New Administrative Capital



1298 - 25 شركة
مهندسي المرافق والإدارة
المستشارية الهندسية

MATERIAL SUBMITTAL (MS)

مستند تسليم المواد

12 NOV 2025

Project Name: المقر الرئيسي لشركة الإسكندرية للإنشاءات	اسم المشروع:	Package: الحزمة:
Project No.: 1298	رقم المشروع:	Phase: الأولى:
Employer: شركة الإسكندرية للإنشاءات	المصير:	Supervision Consultant: EHAFF-CONSULTING EN
Project Manager: م / محمود سراج الدين	مدير المشروع:	Contractor: ALEX CONSTRUCTION COMPANY
From: ALEX CONSTRUCTION COMPANY	من:	Date: 12/11/2025
To: EHAFF CONSULTING ENGINEERS	إلى:	Submittal Ref.: 1298-MS-ELX-EHAFF-FF-25-0015-00
Attn.: السيد المهندس / علي محمد سعد الدين	عناية:	Previous Ref.: مرجع السابق:
Subject: F.F GROOVED FITTING UL/FM (LEDE - CHINA)		الموضوع:

Material/ Equipment For Approval: المواد / المعدات للموافقة عليها

Description: وصف F.F GROOVED FITTING UL/FM AS PAR ATTACHED SUBMITTAL (SECTION 211313)

Specification Reference: مرجع المواصفات Quantity: N/A كمية Bill of Quantities Reference: مرجع قائمة الكميات

Manufacturer's Details: تفاصيل الشركة المصنعة

Manufacturer: LEDE - CHINA

Model Number: رقم الموديل

Date of arrival on site: تاريخ الوصول في الموقع

Certificate of origin: شهادة المنشأ

Storage Location: المخزن الرئيسي للشركة

Serial number: مسلسل

Country of Origin: CHINA بلد المنشأ

Bill of lading: بوليصة الشحن

M / محمود سراج الدين

Main Contractor

المقاول الرئيسي

Action Code Legend: درجات التقييم

(A) Approved موافق (B) Approved as Noted موافق بملاحظات (C) Revise and Resubmit للمراجعة وإعادة التقديم (D) Rejected مرفوض

Notes: ملاحظات

- Production, supply and /or implementation shall proceed only when action code is A / or B. كود A/B يعني أن يستمر التنفيذ.
- Regarding action code C, resubmittal shall be within the limit set in the contract. كود C يعني إعادة التقديم ضمن الوقت المنصوص عليه في العقد.
- Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents. المراجعة لا تعفي المقاول من مسؤوليته إتجاه كافة متطلبات مستندات العقد.
- If rejected please see comments. كود D يعني الرفض ولا بد من الإطلاع على الملاحظات.

Consultant Comments: ملاحظات استشاري الإشراف

Inspection Report: تقرير الفحص

نعم/لا
Yes/No

الفحص الابتدائي
Initial Inspection

استشاري الإشراف
Supervision Consultant

- Physical damage? الأضرار المادية
- Data ils given above correct? التفاصيل الواردة أعلاه صحيحة
- Conforms with approved submission? يتوافق مع التقديم المعتمد
- Accessories / Spare parts included? قطع الغيار متضمنة

Remarks: ملاحظات
Consultant Manager Remarks: ملاحظات استشاري الإشراف

Actions required from Contractor: الإجراءات المطلوبة من المقاول

Attachments: المرفقات

☐ Hard Copy نسخة ورقية ☐ Soft Copy (CD) نسخة إلكترونية

Project Manager/Supervision Consultant
مدير المشروع / استشاري الإشراف

Employer's Representative Comments (if required): ملاحظات ممثل العميل (إذا لزم الأمر)

Employer Representative
ممثل العميل

المحتويات الفنية والنصوص والمرفقات الواردة بهذه النماذج الفنية التي قد يُطلب إستخدامها لتداول أو طلب المعلومات أو الموافقات من قبل أي من الأطراف ذات الصلة بالمشروع (المقاول/المالك/الاستشاري العام) لن يعتد بها من تلقاء ذاتها كسبب أو سند أو أساس للمطالبة بزيادة زمن أو تكلفة المشروع أو تعديل مستندات التعاقد المعتمدة ما لم يتم رصد / تقديم أي مطالبة ذات صلة رسمياً من المقاول إلى الاستشاري العام/ممثل الجهة المالكة خلال 7 أيام من إصدار / استلام هذه النماذج الفنية.



The Arab Contractors
OSMAN AHMED OSMAN & CO.

Movenpick Hotel Hurghada
ACE-PM
MOHARRAM BAKHOUM

17 APR 2026

RECEIVED

ACE-PM
MOHARRAM BAKHOUM

SENT



The Arab Contractors
Osman Ahmed Osman & Co.
المقاولون العرب

ADTIC
Abu Dhabi Tourism Investment Co.
شركة أبوظبي للاستثمارات السياحية
MOVENPICK
HOTELS & RESORTS

Movenpick Hurghada Hotel

Employer:	ADTIC - Abu Dhabi tourism Investment Co.	Contract No (LOA):	MHC_014/2025
Supervision Consultant:	AEC - PM - Moharram Bakhoun	Package:	all packages
Contractor:	The Arab Contractors - Osman Ahmed Osman & Co.	Date:	17/4/2026
Atten to:	Eng. Hesham Fouda	C/Rev:	

MATERIAL SUBMITTAL - (MAR)

Material submission Description

Subject	F.F / SUBMISSION OF FIRE FIGHTING GROOVED FITTINGS FROM LEDE BRAND FROM (KIRMARY CO. FOR ENGINEERING SUPPLIES).	No: MOV-HRG-MAR-MEC-0058	Rev:	00
---------	--	--------------------------	------	----

Discipline :

☐ Arch

☐ Interior Design

☐ Civil

☒ Mechanical

☐ Electrical

Manufacturer (Name & Address):	LEDE	Supplier / Local Agent:	(KIRMARY CO. FOR ENGINEERING SUPPLIES).
Specification:	15060	BOQ Ref:	DIV. 15
Description of Attachments:	TECHNICAL SUBMITTAL	Description of Samples:	
Specification Comparison Sheet:	ATTACHED		

Comparison in case of Alternative Submittal

Item No.	Description of Item	Document ID	Rev.	No. of sheets	Action Code
1	F.F / SUBMISSION OF FIRE FIGHTING GROOVED FITTINGS FROM LEDE BRAND FROM (KIRMARY CO. FOR ENGINEERING SUPPLIES).	F.F	00		B

This is to certify that all items submitted herewith have been checked by the Contractor, are in conformance with the requirements of the Contract Documents, Except as noted below:

Attachment

Contractor

HARD COPY AND SOFT COPY

Authorized Representative

Consultant Reply

Action Codes Legend:

☐ A

Approved

☒ B

Approved as Noted

☐ C

Revise and Resubmit

☐ D

Rejected

Notes:

- Production, Supply and/or Implementation shall proceed only when Action Code is A / or B.
- Regarding Action Code C, resubmittal shall be within the time limit set in the Contract.

Consultant Comments:

Leade is approved and provide sample for final approval
- All material to be approved shall comply to project spec and NFPA and BOQ
- provide Certificate of origin, bill of lading and all bill submittal shall submitting upon delivery of material to site
- provide Methods of statement



The Arab Contractors
OSMAN AHMED OSMAN & CO

THE OWNER/OPERATOR
Authorized Representative

17 APR 2026

Supervision Consultant
Authorized Representative

RECEIVED
MOVENPICK HOTEL RENOVATION

ECG
ENGINEERING CONSULTANTS GROUP

SHAKER
CONSULTANCY GROUP

SIAC



البنك الأهلي المصري
SIAC NATIONAL BANK OF EGYPT



اسم المشروع : مشروع إنشاء البنك الأهلي المصري بالعاصمة الإدارية
رقم المشروع : ٢٦٠٥

طلب اعتماد مواد	
الرقم : SIAC/MAT/ME/209	إصدار رقم : (00)
التاريخ : ٢٠٢١/١١/٠٦	مرجع الرسومات :
الموضوع : Firefighting System Pipe- Grooved Flanged	

نوع التقديم :	
☐ عينات	☒ مستندات
التوصيف :	

☐ أنشائي	☐ معماري	☐ كهرباء	☒ ميكانيكا	☐ أخرى
م	اسم المادة	توصيف المادة	المورد	بلد التصنيع
١	Firefighting System Pipe- Grooved Flanged	Firefighting System Pipe- Grooved Flanged	LEDE	China

مهندس المسؤول : م / التوقيع : التاريخ : ٢٠٢١ / ١١ / ٠٦

استلام الاستشارة : التاريخ : ٢٠ / /

ملاحظات :-

1. Sample shall be submitted for approval prior delivery to the jobsite.
2. Certificate of origins and packing lists shall be submitted upon delivery of each patch.

اعتماد الاستشارة : الاسم : التوقيع : التاريخ : ٢٠ / /

اعتماد الاستشارة :

توقيع المهندس المشرف	معتمد	☐ أ
الاسم :	معتمد مع ملاحظات ويمكن للعمل أن يستمر بناء على الملاحظات.	☒ ب
التوقيع :	معتمد مع ملاحظات وبعاد التقديم للاعتماد.	☐ ج
	الطلب مرفوض ولا يعاد للتقديم مرة أخرى.	☐ د

استلام المقاول : الاسم : التوقيع : التاريخ : ٢٠ / /

Issue No. 01
Issue Date 02/09/2019



QP/NBE/MG/06

Signature

26 APR 2026

Technical Office Dpt
H.Q.

MAC FOR MOBILITY
MANUFACTURING

Employer

CKD Vehicle Assembly Plant-Phase 2

MATERIAL SUBMITTAL (MAT)

HASSAN ALLAM

CONSTRUCTION

Contractor

Signature

MAT NO.:	MMM2-HAC-ECG-MAT-ME-0011	Rev. (00)
Subject: Grooved Fitting - LEDE	Submittal Issue Date	22-Apr-2026
Manufacturer: LEDE	Enclosure	Discipline:
Supplier: Kirmay	Data Sheet ☒	Civil ☐
Activity: General	Sample ☒	Architectural ☐
Attachment:	Specification ☐	Mechanical ☒
Hard Copy (A4 Pages (130))	prequalification ☐	Electrical ☐
Soft Copy	Soft Copy ☒	Roads ☐
	Other ☐	Landscape ☐
		Survey ☐
		General ☐



References Documents			
Item	Document Ref. No.	Rev.	Title
1	MMM2-HAC-ECG-MAT-ME-0011	0	Grooved Fitting - LEDE

Technical Office Manager

Moustafa Shaltout

Signature

Signature

HASSAN ALLAM
CONSTRUCTION

CKD Vehicle Assembly Plant (Phase 2)

CONSULTANT RESPONSE:

Factory Test Certificate and
Country of original shall be provided with each batch material
in site

- Pipes and Fitting shall be same standard
- Installation shall be as per Manufacturer's instructions
- Random samples could be taken for Third Part tests for
 - Tension Test for Fitting / Couplings as per ASTM A 535.
 - Tension Test for bolts as per ASTM A 193.
 - Sealability, tension pressure test as per ASTM F 57-06, ASTM D 912

Consultant / Engineer's Representative

Returned To Contractor: Document Status *ASTM D 2240*

Name:

Signature:

Date:

Signature
26/4/26

(A): Approved

(B): Approved as Noted - Work May Proceed

(C): Revise & Re-submit - Work May NOT Proceed

(D): Rejected - Without Review



وارد
1248 - مشروع حدائق القسطاط

11 FEB 2025



MATERIAL SUBMITTAL (MS)

مستند تسليم المواد

Project Name:	مشروع حدائق القسطاط	اسم المشروع:	الأشواق - مرحلة خامسة
Project No.:	1248	رقم المشروع:	TP-16
Employer:	الجهاز التنفيذي لمشروعات تعمير القاهرة الكبرى	المقاول:	إيهاف
Project Manager:	م / رشا السيد	Supervision Consultant:	إيهاف
From:	الخرافي ناشيونال	Contractor:	الخرافي ناشيونال
To:	المهندسون الاستشاريون إيهاف	Date:	10-02-2025
Attn.:	ع / محمد حلمي	Submittal Ref.:	1248-TP16-MS-MECH-25-054-R-00
Subject:	HB01 & B09 Grooved Fittings For Fire Fitting Fighting	Previous Ref.:	اعتماد

Material/ Equipment For Approval:	المواد / المعدات للموافقة عليها
Description:	وصف HB01 & B09 Grooved Fittings For Fire Fitting Fighting
Specification Reference:	مرجع المواصفات
Quantity:	كمية
Bill of Quantities Reference:	مرجع فكتور الكميات
Manufacturer's Details:	تفاصيل الشركة المصنعة
Manufacturer:	LEDE (KIRMARY)
Model Number:	رقم الموديل
Date of arrival on site:	تاريخ الوصول في الموقع
Certificate of origin:	شهادة المنشأ
Storage Location:	مكان التخزين
Serial number:	مستند
Country of Origin:	بلد المنشأ
Bill of lading:	بوليصا الشحن



Action Code Legend: درجات التقييم

(A) Approved موافق (B) Approved as Noted موافق بملاحظات (C) Revise and Resubmit للمراجعة وإعادة التقديم (D) Rejected مرفوض

Notes: ملاحظات

- Production, supply and /or implementation shall proceed only when action code is A / or B. كود A/B يعني أن يستمر التنفيذ.
- Regarding action code C, resubmittal shall be within the limit set in the contract. كود C يعني إعادة التقديم ضمن الوقت المنصوص عليه في العقد.
- Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents. المراجعة لا تعفي المقاول من مسؤوليته إتجاه كافة متطلبات مستندات العقد.
- If rejected please see comments. كود D يعني الرفض ولابد من الإطلاع علي الملاحظات.

Consultant Comments: ملاحظات استشاري الإشراف

Inspection Report: تقرير الفحص

نعم/لا
Yes/No

الفحص الإبتدائي
Initial Inspection

إستشاري الإشراف
Supervision Consultant

- Physical damage? الأضرار المادية
- Deta ils given above correct? التفاصيل الواردة أعلاه صحيحة
- Conforms with approved submission? يتوافق مع التقديم المعتمد
- Accessories / Spare parts included? قطع الغيار متضمنة

Remarks: ملاحظات

Consultant Manager Remarks: ملاحظات إستشاري الإشراف

Actions required from Contractor : الإجراءات المطلوبة من المقاول

Attachments: المرفقات

☐ Hard Copy نسخة ورقية ☐ Soft Copy (CD) نسخة إلكترونية

Employer's Representative Comments (if required): ملاحظات ممثل العميل (إذا لزم الأمر)

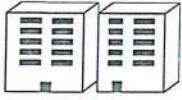
Project Manager/Supervision Consultant

مدير المشروع / إستشاري الإشراف

Employer's Representative

ممثل العميل

قسم مصر القديمة محافظة القاهرة



Request For Inspection



Date: 08/03/2025

Request No. ACC-RFI

Project No. & title:

Employer: مجلس الشيوخ	Engineer: القطاع الهندسي مجلس الشيوخ	Contractor:  The Arab Contractors Osman Ahmed Osman & Co. المقاولون العرب عثمان أحمد عثمان وشركاه
--------------------------	---	--

We request your attendance to inspect the following works :

اعتمادات فنية لخامات شركة كيرماري (انتاج شركة LED)

1. Type : Buildings

2. Inspection time:

Date : 11/03/2025

3. Location :

Building

Floor

Element

Drawing No.

4. Inspection

☒ First

☒ Second

☐ Third

5. Purpose of the inspection:

1. Surveying

- ☐ Setting out
- ☐ Levels
- ☐ Verticality

3. Structure

- ☐ Formwork
- ☐ Reinforcement
- ☐ Concreting

5. Architecture

- ☐ Blockwork
- ☒ Plaster
- ☐ Metals
- ☐ Woods & Plastics
- ☐ Doors & Windows
- ☐ Wall Finish
- ☐ Floor Finish
- ☐ False Ceilings
- ☐ Roofing
- ☐ Waterproofing
- ☐ Painting
- ☐ Furniture

2. Earthworks

- ☐ Formation
- ☐ Sides of Excavation

4. Electro-Mech.

- ☐ First Fix
- ☐ Second Fix

Others (Specify) :

اعتماد قطع جروف

Particular Details :

Submitted by :

Eng: AMR MOKHTAR

Signature :

6. Inspection Report

Signature

Date/Time of inspection :

7. Engineer's Representative comments:

The works are :



Approved



Approved as Noted



Rejected

Signature:

Date:

Attach all relevant particular test forms

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

28 APR 2023

ORASCOM
CONSTRUCTION

مشروع أبراج مدينة العلمين الجديدة (II) LD-01

EGC
ENGINEERING CONSULTANTS GROUP S.A.

Alamein

LD-01

المالك: وزارة الإسكان و المرافق و المجتمعات العمرانية	الإستشاري: جماعة المهندسين الإستشاريين	المقاول: اوراسكوم
(Submittal)		
طلب اعتماد مواد		

إلى الإستشاري :-	جماعة المهندسين الإستشاريين	من المقاول العام :	اوراسكوم	II
رقم الطلب	LD01-OC-ECG-MD-ME-006674	الإصدار	00	التاريخ
الموضوع	Material Submittal HVAC Network Grooved Fitting (LEDE)			
نوع الاعمال	إنشائي	معماري	كهرباء	ميكانيكا
Building: (GN)	Level: (GN)	Activity: (GN)	Supplier: (KIRMARY)	
عدد النسخ	البيان / الوصف			
1	Material Submittal HVAC Network Grooved Fitting (LEDE)			
2				

تعهد المقاول: المستندات المرفقة تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في المشروع من قبل المقاول

المقاول	المكتب الفني	مدير المكتب الفني
استلام الإستشاري	بواسطة:	التوقيع:
بتاريخ:		
ملاحظات الإستشاري		
Refer to comments in the attached (x A4).		
الإستشاري المختص	الإعتماد بواسطة:	التوقيع:
29/4/26		
أ	معتمد	ج
ب	معتمد مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات	د
اعتماد الإستشاري	م/.....	بتاريخ:
استلام المقاول	الإستلام بواسطة:	بتاريخ:
TYPE : SD:Shop Drawing CA:Calculation SM:Sample MS:Method Statement GT:Guarantee TF:Temporary Facilities MD:Manufacturer's Data OT:Other CT:Certificates TT: Test Results		
التوزيع قبل الاعتماد :		
المالك :		
التوزيع بعد الاعتماد :		
المالك	المقاول	الإستشاري
مدني	كهرباء	ميكانيكا
تخطيط	تخطيط	تخطيط
Q.S		

طلب اعتماد مواد/مورد/مقاول باطن (MS)

رقم الطلب 201-Nasser-MS-M-0023 Rev. (00)	المالك : وزارة الصحة والسكان	مشروع: مستشفى ناصر العام - بنى سويف
صفحة (1/1)	التاريخ (2024 / 10 / 14)	الشركة المنفذة شركة المراسم الدولية
	المقاول العام الهيئة القومية للإنتاج الحربي	الإستشاري العام مركز إستشارات وبحوث التنمية والتخطيط التكنولوجي - جامعة القاهرة (DRTPC)

قسم التقديم:

☐ انشائي	☐ معماري	☐ مساحة	☐ كهرباء	☐ صحي	☐ تكييف	☒ حريق	☐ غازات طبية	☐ اخرى
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1. صفة التقديم :

1	عينات	2	خامات	3	كتالوج	4	اعتمادات
---	-------	---	-------	---	--------	---	----------

2. التقديم بالغرض

☐ للعلم
 ☒ للاعتماد
 ☐ اخرى

تفاصيل التقديم:

م	البيان/ الوصف	المصنع / المورد	أرقام مراجع المستندات	عدد النسخ	مراجع العقد
					المواصفات
1	Grooved Fittings for Fire Fighting Network	LEDE		1	المقاييس

ملاحظات المقاول:

تم تسليم العينات بالموقع

مدير تنفيذ الإلكترونيات الاسم : م/ ايمن سيد عبد العزيز التوقيع :	مدير المكتب الفني الاسم : م/ محمود الصياد التوقيع :
--	---

ملاحظات الإستشاري :

أوافق على تقديم المقاول للمواد/المورد/المقاول
 مع ملاحظة أن المقاول مسؤول عن جودة المواد/المورد/المقاول
 مشروع: مستشفى ناصر العام - بنى سويف
 وزارة الصحة والسكان

A- Approved. ☒ X
 B- Approved with comment, res. limit. ☒ ✓
 C- Not Approved, new submittal is needed. ☒ X

Engineer : 
 Note: the approval of submittal does not release the contractor from his responsibilities. Date: 9.12.2024

 Ref to attached 1A4
 comment sheet

الاسم: التوقيع: التاريخ: (2024 / /)

إستلام الإستشاري :-	إستلام الشركة المنفذة بعد الإعتماد :-
الاسم:	الاسم:
التوقيع:	التوقيع:

مجموعة الهندسة للاستشارات (اسيدج)
استشاري الاعمال الميكانيكية
أ.د. / محمود فؤاد

Project Name :		مشروع أعمال مكافحة الحريق - القصر العيني		إسم المشروع :
Zone :	المنطقة :	Site Name :	القصر العيني - جامعة القاهرة	إسم الموقع :
		Site Location:		مكان الموقع :

MATERIAL / EQUIPMENT SUBMITTAL/ DRAWINGS

تقديم مواد للإعتماد / مخططات

Previous Submittal if any :	رقم التقديم السابق إن وجد :	Submittal No :	(29)	رقم التقديم :	New Submittal	☐ تقديم جديد
Previous Submittal Date if any :	تاريخ التقديم السابق إن وجد :	Submittal Date :	14/10/2024	تاريخ التقديم :	Resubmittal	☒ إعادة تقديم

For Approval	إعتماد ☒	For Comments	ملاحظات ☐	For Information	معلومات ☒	Purpose Of Submittal	الغرض من التقديم
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Plumbing	صحي ☐	Fire Fighting	مكافحة حريق ☒	HVAC	تكييف ☐	Discipline	التخصص الهندسي
Other Speciality: Please Specify							تخصص هندسي آخر: برجاء تحديد التخصص ☒

Certificate إعتامد ☒	Sample عينة ☐	Tech Data فنية معلومات ☒	Calculations حسابات ☐	Attachments المرفقات
Other Data أخرى معلومات ☐	Cover letter مرفق خطاب ☒	Compliance sheet جدول توافقي ☐	Drawing مخطط ☐	Catalogue كتالوج ☒

Note: Please Use The Attachment In Case Items Are More Than The Provided Space .						جدول مواد/ أجهزة Material/ Equipment	
يرجى إرفاق جدول إضافي في حالة زيادة عدد بنود المواد المقدمة عن المساحة المتاحة بالجدول						عدد المرفقات : NO. of Attachments	
Appr.Status حالة التقديم	Measurement وحدة القياس	Specification رقم المواصفة Ref.	Manufacturer/ Supplier المصنع / المورد	Origin بلد المنشأ	Amount الكمية	Name, No. And Description إسم ورقم وتوصيف المادة	
			LEDE	China		SEAMLESS BLACK STEEL PIPE GROOVED FITTINGS	

We Clarify That Above Submittal Is Strictly Adhored With Contract Specifications Except Otherwise As Stated Below.		Contractor's Remarks	
يتمتع المقاول بأن التقديم ملتزم التزاما تاما بالمخططات و مواصفات العقد كما يذكر (إلحاق)			
Contractor Site Manager	مدير الموقع / المقاول المنفذ	Contractor Site Manager	مدير الموقع / المقاول العام
Name :	الإسم :	Name :	الإسم :
Signature :	التوقيع :	Signature :	التوقيع :
Date :	التاريخ :	Date :	التاريخ :
		Exceptions	
		استثناءات	

Contractor Technical Office Recommendations We Clarify That Above Submittal Is Strictly Adhered With Contract Specifications Except Otherwise As Stated Below		اعتماد المكتب الفني للمقاول المقاول مع الإقرار بالالتزام الكامل بالشروط والمواصفات للمشروع

Contractor Technical Office Representative		ممثل المكتب الفني للمقاول
Name :		الإسم :
Signature :		التوقيع :
Date :		التاريخ :

(CU Engineering Administration) Owner Representative		مهندس المالك (الإدارة الهندسية)
Name :		الاسم :
Signature :		التوقيع :

توصيات إستشاري المالك	Owner Consultant's Recommendations
إعتماد المخططات والمواد لا يعني المتناول من التزاماته التعاقدية.	Approval Of The Above Materials Does Not Relieve The Contractor From His Contractual Obligations.
يتم اعتماد الماد كمواد مؤقتة فالاعتماد هنا اعتبار القطع بناء على الاستخدام وان لم يكن فيه القطع الحاصل على Am / 4 و 5 و 6 و 7 و 8 و 9 و 10 و 11 و 12 و 13 و 14 و 15 و 16 و 17 و 18 و 19 و 20 و 21 و 22 و 23 و 24 و 25 و 26 و 27 و 28 و 29 و 30 و 31 و 32 و 33 و 34 و 35 و 36 و 37 و 38 و 39 و 40 و 41 و 42 و 43 و 44 و 45 و 46 و 47 و 48 و 49 و 50 و 51 و 52 و 53 و 54 و 55 و 56 و 57 و 58 و 59 و 60 و 61 و 62 و 63 و 64 و 65 و 66 و 67 و 68 و 69 و 70 و 71 و 72 و 73 و 74 و 75 و 76 و 77 و 78 و 79 و 80 و 81 و 82 و 83 و 84 و 85 و 86 و 87 و 88 و 89 و 90 و 91 و 92 و 93 و 94 و 95 و 96 و 97 و 98 و 99 و 100 و 101 و 102 و 103 و 104 و 105 و 106 و 107 و 108 و 109 و 110 و 111 و 112 و 113 و 114 و 115 و 116 و 117 و 118 و 119 و 120 و 121 و 122 و 123 و 124 و 125 و 126 و 127 و 128 و 129 و 130 و 131 و 132 و 133 و 134 و 135 و 136 و 137 و 138 و 139 و 140 و 141 و 142 و 143 و 144 و 145 و 146 و 147 و 148 و 149 و 150 و 151 و 152 و 153 و 154 و 155 و 156 و 157 و 158 و 159 و 160 و 161 و 162 و 163 و 164 و 165 و 166 و 167 و 168 و 169 و 170 و 171 و 172 و 173 و 174 و 175 و 176 و 177 و 178 و 179 و 180 و 181 و 182 و 183 و 184 و 185 و 186 و 187 و 188 و 189 و 190 و 191 و 192 و 193 و 194 و 195 و 196 و 197 و 198 و 199 و 200 و 201 و 202 و 203 و 204 و 205 و 206 و 207 و 208 و 209 و 210 و 211 و 212 و 213 و 214 و 215 و 216 و 217 و 218 و 219 و 220 و 221 و 222 و 223 و 224 و 225 و 226 و 227 و 228 و 229 و 230 و 231 و 232 و 233 و 234 و 235 و 236 و 237 و 238 و 239 و 240 و 241 و 242 و 243 و 244 و 245 و 246 و 247 و 248 و 249 و 250 و 251 و 252 و 253 و 254 و 255 و 256 و 257 و 258 و 259 و 260 و 261 و 262 و 263 و 264 و 265 و 266 و 267 و 268 و 269 و 270 و 271 و 272 و 273 و 274 و 275 و 276 و 277 و 278 و 279 و 280 و 281 و 282 و 283 و 284 و 285 و 286 و 287 و 288 و 289 و 290 و 291 و 292 و 293 و 294 و 295 و 296 و 297 و 298 و 299 و 300 و 301 و 302 و 303 و 304 و 305 و 306 و 307 و 308 و 309 و 310 و 311 و 312 و 313 و 314 و 315 و 316 و 317 و 318 و 319 و 320 و 321 و 322 و 323 و 324 و 325 و 326 و 327 و 328 و 329 و 330 و 331 و 332 و 333 و 334 و 335 و 336 و 337 و 338 و 339 و 340 و 341 و 342 و 343 و 344 و 345 و 346 و 347 و 348 و 349 و 350 و 351 و 352 و 353 و 354 و 355 و 356 و 357 و 358 و 359 و 360 و 361 و 362 و 363 و 364 و 365 و 366 و 367 و 368 و 369 و 370 و 371 و 372 و 373 و 374 و 375 و 376 و 377 و 378 و 379 و 380 و 381 و 382 و 383 و 384 و 385 و 386 و 387 و 388 و 389 و 390 و 391 و 392 و 393 و 394 و 395 و 396 و 397 و 398 و 399 و 400 و 401 و 402 و 403 و 404 و 405 و 406 و 407 و 408 و 409 و 410 و 411 و 412 و 413 و 414 و 415 و 416 و 417 و 418 و 419 و 420 و 421 و 422 و 423 و 424 و 425 و 426 و 427 و 428 و 429 و 430 و 431 و 432 و 433 و 434 و 435 و 436 و 437 و 438 و 439 و 440 و 441 و 442 و 443 و 444 و 445 و 446 و 447 و 448 و 449 و 450 و 451 و 452 و 453 و 454 و 455 و 456 و 457 و 458 و 459 و 460 و 461 و 462 و 463 و 464 و 465 و 466 و 467 و 468 و 469 و 470 و 471 و 472 و 473 و 474 و 475 و 476 و 477 و 478 و 479 و 480 و 481 و 482 و 483 و 484 و 485 و 486 و 487 و 488 و 489 و 490 و 491 و 492 و 493 و 494 و 495 و 496 و 497 و 498 و 499 و 500 و 501 و 502 و 503 و 504 و 505 و 506 و 507 و 508 و 509 و 510 و 511 و 512 و 513 و 514 و 515 و 516 و 517 و 518 و 519 و 520 و 521 و 522 و 523 و 524 و 525 و 526 و 527 و 528 و 529 و 530 و 531 و 532 و 533 و 534 و 535 و 536 و 537 و 538 و 539 و 540 و 541 و 542 و 543 و 544 و 545 و 546 و 547 و 548 و 549 و 550 و 551 و 552 و 553 و 554 و 555 و 556 و 557 و 558 و 559 و 560 و 561 و 562 و 563 و 564 و 565 و 566 و 567 و 568 و 569 و 570 و 571 و 572 و 573 و 574 و 575 و 576 و 577 و 578 و 579 و 580 و 581 و 582 و 583 و 584 و 585 و 586 و 587 و 588 و 589 و 590 و 591 و 592 و 593 و 594 و 595 و 596 و 597 و 598 و 599 و 600 و 601 و 602 و 603 و 604 و 605 و 606 و 607 و 608 و 609 و 610 و 611 و 612 و 613 و 614 و 615 و 616 و 617 و 618 و 619 و 620 و 621 و 622 و 623 و 624 و 625 و 626 و 627 و 628 و 629 و 630 و 631 و 632 و 633 و 634 و 635 و 636 و 637 و 638 و 639 و 640 و 641 و 642 و 643 و 644 و 645 و 646 و 647 و 648 و 649 و 650 و 651 و 652 و 653 و 654 و 655 و 656 و 657 و 658 و 659 و 660 و 661 و 662 و 663 و 664 و 665 و 666 و 667 و 668 و 669 و 670 و 671 و 672 و 673 و 674 و 675 و 676 و 677 و 678 و 679 و 680 و 681 و 682 و 683 و 684 و 685 و 686 و 687 و 688 و 689 و 690 و 691 و 692 و 693 و 694 و 695 و 696 و 697 و 698 و 699 و 700 و 701 و 702 و 703 و 704 و 705 و 706 و 707 و 708 و 709 و 710 و 711 و 712 و 713 و 714 و 715 و 716 و 717 و 718 و 719 و 720 و 721 و 722 و 723 و 724 و 725 و 726 و 727 و 728 و 729 و 730 و 731 و 732 و 733 و 734 و 735 و 736 و 737 و 738 و 739 و 740 و 741 و 742 و 743 و 744 و 745 و 746 و 747 و 748 و 749 و 750 و 751 و 752 و 753 و 754 و 755 و 756 و 757 و 758 و 759 و 760 و 761 و 762 و 763 و 764 و 765 و 766 و 767 و 768 و 769 و 770 و 771 و 772 و 773 و 774 و 775 و 776 و 777 و 778 و 779 و 780 و 781 و 782 و 783 و 784 و 785 و 786 و 787 و 788 و 789 و 790 و 791 و 792 و 793 و 794 و 795 و 796 و 797 و 798 و 799 و 800 و 801 و 802 و 803 و 804 و 805 و 806 و 807 و 808 و 809 و 810 و 811 و 812 و 813 و 814 و 81	

التقييم من قبل إدارة المشاريع وفقاً للإستشاري				التقييم الفني		
A	Approved	يعتمد	B	Approved As Noted Resubmittal Is Not Required	c	Approved As Noted Resubmittal Is Required
				يعتمد بملاحظات بدون إعادة تقديم		يعتمد بملاحظات مع إعادة تقديم
D	Disapproved	مرفوض	E	No Action لم يتخذ إجراء	F	Returned For Incompletion Of Information
						يعاد لعدم اكتمال المعلومات

Owner Consultant Representative		ممثل إستشاري المالك
Name :		الاسم :
Signature :		التوقيع :
Date :		التاريخ :

طلب اعتماد مواد

رقم الطلب: MS/R5/Z01/ME/040	Rev.0	المالك : هيئة المجتمعات العمرانية	مشروع الحي السكني R05 - (Zone 01) بالعاصمة الإدارية الجديدة
صفحة 1/1	التاريخ : 3-11-2020	الإستشاري: جماعة المهندسين الإستشاريين ECG	المقاول : شركة أوراسكوم للإنشاءات

1. قسم التقديم:

☐ انشائي	☐ معماري	☐ كهرباء	☐ صحي	☐ تكييف	☒ حريق	☐ أخرى
---------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------------------	--	-------------------------------

2. صفة التقديم:

1	عينات	2	خامات	3	كتالوج	4	أخرى
---	-------	---	-------	---	--------	---	------

3. التقديم بالغرض:

☐ للعلم ☒ للاعتماد ☐ أخرى

4. الموقع:

المنطقة : Zone 01

المبنى :

التجمع :

5. تفاصيل التقديم:

م	البيان/ الوصف	المُصنع / المورد	أرقام مراجع المستندات	عدد النسخ	مراجع العقد اللوحة المقايضة مواصفات	كود الإعتدال
1	Fire Fighting Fittings (Grooved Fittings & Couplings)	LEDE / KIRMARY		2	13915	B

ملاحظات المقاول:

- Certificates
- Projects List
- Company Profile
- Catalogue
- Compliance Statement
- Sample board
- Test Reports
- Previous Approvals

مهندس المكتب الفني الأسم :	مدير المكتب الفني الأسم :
التوقيع :	التوقيع :

ملاحظات الإستشاري:

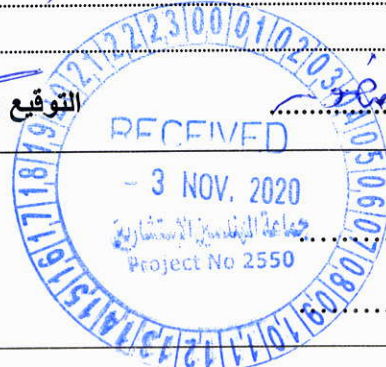
☐ معتمد	(A)
☒ معتمد مع ملاحظات	(B)
☐ يعاد تقديمه بعد استيفاء الملاحظات	(C)
☐ مرفوض ولا يعاد تقديمه	(D)

يتم تقديم كود إمتاء لإخراج الجرد
ملاحظات الإستشاري: ...
R5

التوقيع :

التوقيع :

استلام المقاول بعد المراجعة الأسم :	استلام الاستشاري الأسم :
التوقيع :	التوقيع :



Black Sand Project

Submittal Serial No.: E2017-FF-MAS-0021		Rev. 0			
SUBMITTAL TRANSMITTAL FORM TRANSMISSION OF DRAWINGS, DOCUMENTS, MATERIALS, ETC.		Date: October 20, 2020			
		Attachment: 184 Pages (A4-Size)			
		Submitted for: CODE			
		Approval: v			
		Information:			
Consultant: Cosmos-E for Engineers and consultants		ACTION:			
Contractor: H. A. Construction		Approved: A			
WE ARE SENDING HEREWITH / UNDER SEPARATE COVER, THE DRAWINGS/ DOCUMENTS / SAMPLES LISTED BELOW.		Approved as Noted: B			
		Not Approved: C			
		For Information: D			
Drawings, Spec. BoQ. Ref.	Item Seq. Number	Description	Type	Code Submittal	Action
		GROOVED FITTING FROM : LEDE UL / FM - SUPPLIER: KIRMARY	MAS		
FOR CONTRACTOR :		Tarek Hassan	Date:	October 20, 2020	
NOTE:- SAMPLES ARE ATTACHED Consultant to enter Action Codes and Remarks, and return to Contractor Remarks: CONSULTANT'S COMMENTS: <i>Refer to attached comments</i>					
FOR CONSULTANT :		A-Ham	Date:	4/11/2020	

TYPE: SD: Shop Drawing	AD: As Built Drawing	DD: Design Document	QS: Quantity Surveying	MS: Method Statement	MAS: Material Approval Submittal
PMD: Project Management Documents	GN: General Submittal	PQ: Prequalification			
Trade: CI: Civil	AR: Architectural	SS: Structural Steel	ME: Mechanical	PL: Plumbing	PI: Piping
FF: Firefighting	FA: Fire Alarm	EL: Electrical	IC: Instrument & Control	CP: Composite	GN: General Trade
CAS: Civil, Arch & Structural Steel	MEP: Mechanical, Electrical, Plumbing.	HSE: Safety	QAC: Quality Assurance & Control		

Consultant :	Cosmos -E	Contractor :	H. A. Construction	Sub-Contractor :	
Date:		Date:		Date:	
Signature:		Signature:		Signature:	



M. Hamdy



Our Ref. No. EMD/3/80/M
Your Ref.No. 4340
Date: 6/10/2020

MESSRS: ARAB CONTRACTORS & ORASCOM Construction JV

GREATER CAIRO METRO Line 3- Phase 4B
SUB: CONTRACT No. 80/M

Technical Files of Workshop Equipment

Dear Sirs,

Reference to your letters no. CML/PH4B/NAT/14815 and no. CML/PH4B/NAT/14817 dated 15/9/2020, concerning the submitted technical file of compressed air pipe 0.5 in and compressed air grooved fitting respectively, kindly find herewith attached NAT comments on the following technical files which have been reviewed and returned to you stamped as follow:-

DOCUMENT	NO.	STATUS
Compressed air pipe size 0.5 in	940-G3-JVC-41A-MSL-0255-A	Approved as Noted
Compressed air groove fittings	940-G3-JVC-41A-MSL-0256-A	Approved as Noted

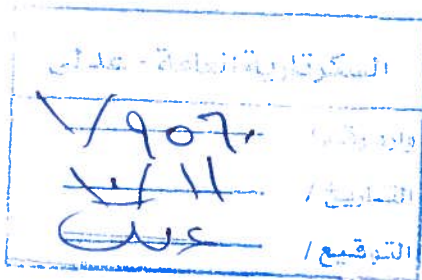
We Remain,,,

Khaled
[Signature]

[Signature]

Yours Faithfully

Eng. Gamal Gad Abouteet
Head of E.M.D

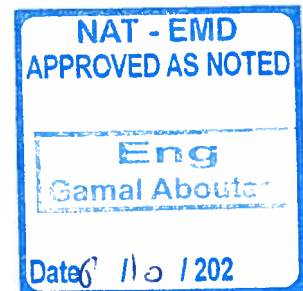


ENCL: -

- NAT comments (2 pages).
- Stamped document form (2 pages).

Copy to Systra (cover letter and NAT comment sheets only)

ARAB REPUBLIC OF EGYPT
GREATER CAIRO METRO
AL THAWRA LINE - LINE - PHASE (4B)



Khaled

Material Submittal (MSL)

Discipline: Mechanical
Type of Document: Material Submittal
Title: Compressed air grooved fittings
Lot: 41A
Group: G3
Main Use: Depot Buildings
Description: Compressed air grooved fittings
Manufacturers: LEDE
Supplier: KIRMARY
SPC. Reference: 59M-TD-INF-ALL-SPC-EHF-3450
Samples: N/A

Document No.

Rubric			Group		Issuer			Lot			Ref			Number						Ind.
9	4	0	G	3	J	V	C	4	1	A	M	S	L	0	0	2	5	6	A	

طلب اعتماد مواد

MS/R5/Z03/Mech/0220	رقم الطلب: Rev.02	المالك : هيئة المجتمعات العمرانية	مشروع الحي السكني R05 - (Zone 3) بالعاصمة الإدارية الجديدة
صفحة 1/1	التاريخ : 2020 / 09 / 22	الإستشاري : جماعة المهندسين الإستشاريين ECG	المقاول : ASGC Construction

1. قسم التقديم:

☐ انشائي	☐ معماري	☐ كهرباء	☐ صحي	☐ تكييف	☒ حريق	☐ أخرى
---------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------------------	--	-------------------------------

2. صفة التقديم:

1	☐ عينات	2	☐ خامات	3	☐ كتالوج	4	☐ أخرى
---	--------------------------------	---	--------------------------------	---	---------------------------------	---	-------------------------------

3. التقديم بالغرض:

☐ للطعم ☒ للاعتماد ☐ أخرى

4. الموقع:

المنطقة : ZONE 3 التجمع : All Clusters المبني :

م	البيان / الوصف	المصنع / المورد	أرقام مراجع المستندات	عدد النسخ	مراجع العقد	كود الإعتدال
					المقايضة	الوصفات
1	Grooved fitting and Coupling for fire fitting system in Building	KIR MARY LEDE		2	13915	13915

ملاحظات المقاول:

- تم وضع علامات إسترشادية بالكتالوج المرفق
- تم إرفاق شهادة المنشأ
- العيونة : تم إرسالها سابقاً
- الكتالوج : تم إرسال عدد (2) سابقاً للاعتماد

5. تفاصيل التقديم:

مهندس المكتب الفني الاسم : التوقيع :	مدير المكتب الفني الاسم : التوقيع :
--	---

ملاحظات الإستشاري:

☐	(A) معتمد
☒	(B) معتمد مع ملاحظات
☐	(C) يعاد تقديمه بعد استيفاء الملاحظات
☐	(D) مرفوض ولا يعاد تقديمه

الدورات Groove fittings طبقاً للعلامة
لاستخدام تحت UL/FM approved
مع إمدادات لاستخدام بالكتالوج
إتاك طبقاً لـ "مواصفات" إشتراكية المصنع واللوحات
التيقنات المعتمدة
كجزء من اعتماد مدير مدينى لفنى منتج طبقاً لشرط الإشتراكية

01 OCT 2020

استلام المقاول بعد المراجعة

الاسم

التوقيع



استلام الإستشاري

الاسم

التوقيع

Material Approval Request

Reviewed

Mr Usama Salem 10/02/2025

Ref. No: MAR-CPC16-OC-ACE-00299-00		Rev. No:00	
Project Name: P1-Multi-Family Clusters "C1 & C2 & C4"		Date: 10/02/2025	
Employer: ORA Developers		Contractor: Orascom Construction	
Engineer: JLL		Supervision Consultant: ACE	
Cluster: C1&C2&C4	Building No.:General	Floor Level: General	Activity: General
Subject: Fire Fightings Valves and fittings - Mech/Kirmary (No sample Attached)			

Proposed Material Details (prepared by Contractor)

Contractor is responsible for providing sufficient information to allow the SSC to make a decision on suitability of proposed materials

Civil ☐	Structural ☐	Architectural ☐	Mechanical ☒	Electrical ☐
HVAC ☐	Plumbing ☐	Other (please specify): ☐		

Material and Manufacturer Details

Supplier/ Agent:	kirmary	Specification no.:	21 13 13 21 12 00
Product Name:	Mech / kirmary	Compliance Sheet:	☒ Submitted ☐ Not Submitted
Purpose/ Use:	Fire Fighting valves And fittings	BoQ Item no.:	21 13 13 21 12 00

Description of Material to be inspected:

Fire fightings fittings and valves – kirmary

Attachments:

- RFI
- Company profile.
- Data sheet.
- Compliance sheet.
- Previous approvals.
- Test certificate.
- Civil defence approval.

Authorised Personnel:	Job title:	Signature:
Suzan william	Material Manager	suzan

ORASCOM
Date: 05-02-2025
ZED East Cluster C1 & C2
New Capital

Site Supervision Consultant Response:

Remarks:

Technically approved as per attached material list.

Fire fighting valves : kirmary UL - origin : USA

Threaded fittings : MECH (DI) UL/FM - Pr. Gauge : winters - USA

Mechanical TEE : IEDE - FM

Civil defense & test and origin certificates should be submit .

Submittal Final Status:

☐ A - Approval ☒ B - Approved as noted ☐ C - Revise and Resubmit ☐ D - Rejected ☐ E - Review not Required

Is Employer approval required ? Yes ☐ No ☐

Authorised Personnel:	SSC Engineer's Signature:	Date:
Yasser Hassan		11/2/2025

**Mansoura 8 - Phase 2
New Administrative Capital**

Submittal Transmittal No. E2523-SIAC-Cosmos-Mar-Mech-0054				Rev. 0	
SUBMITTAL TRANSMITTAL FORM TRANSMISSION OF DRAWINGS, DOCUMENTS, MATERIALS, ETC.				30/12/2025	
				SUBMITTED FOR * CODE APPROVAL 1 YOUR INFORMATION 2 3	
CONTRACTOR: SIAC-Industrial Construction & Engineering Co. RE: CONTRACT E2523 - Phase 2 Package No.:				System- Mech E2523 - Phase 2	
WE ARE SENDING HERewith / UNDER SEPARATE COVER, THE DRAWINGS/ DOCUMENTS / SAMPLES LISTED BELOW. (DELETE AS NECESSARY)				ACTION ** APPROVED A APPROVED AS NOTED B NOT APPROVED C FOR INFORMATION D	
QTY	DRWS., SPEC. OR BOQ. REF.	ITEM SEQ NUMBER	DESCRIPTION	+ TYPE	CODE Submittal Action *
1	----	1	FIRE FIGHTING VALVES SPRINKLER PIPES AND FITTINGS CABINETS SWITCHES SUPPORTS Supplier: KIRMARY	MD	1 B
COPIES 1 Soft Copy Only					
Samples					
			FOR CONTRACTOR		
Consultant to enter Action Codes and Remarks, and return to Contractor REMARKS: CONSULTANT'S COMMENTS Approved as noted code (B). 1-Approval all materials from civil defense , 2-UL Listed/ FM Approval as per specs of project and requirement of civil defense. 3- Submit sample for approval. 4-Required visit for inspection of materials. 5-Updated for all certificates. Eng.shehta mohamed					
COPIES TO					
			FOR CONSULTANT		
			DATE:		
TYPE : SD:Shop Drawing CA:Calculation SM:Sample MS:Method Statement GT:Guarantee TF:Temporary Facilities MD OT:Other CT:Certificates TT:Test Results MK:Mock-up					
ROUTING					
FROM: TO: Consultant Contrator					
Date Date: Date: Date:					
Signature Signature: Signature: Signature:					
* Code to be entered by Contractor ** Code to be entered by Consultant					



Eng.shehta mohamed

5th Square Compound - Lake Residence Project



حديقة



Submittal Transmittal No. 158-LRP-MS-MEC-091		Rev. 0
SUBMITTAL TRANSMITTAL FORM TRANSMISSION OF MATERIALS.		Date: 15/06/2025
Al-Marasem International For Development		SUBMITTED FOR * CODE
RE: 5th Square Compound		APPROVAL 1
LAKE RESIDENCE PROJECT		YOUR INFORMATION 2
Package No.: Lake Residence		1
TO: ECG SITE OFFICE		ACTION **
WE ARE SENDING HERewith / UNDER SEPARATE COVER, THE DRAWINGS/ DOCUMENTS / SAMPLES LISTED BELOW. (DELETE AS NECESSARY)		APPROVED A
		APPROVED AS NOT B
		REVISE AND RESUB C
		REJECTED D
		NOTED N
SR	DRWS., SPEC. OR BOQ. REF.	ITEM SEQ NUMBER
DESCRIPTION		
ENGINEERING CONSULTANTS GROUP S.A. Technical Office Department		
Grooved Fittings for Fire Fighting		
B: APPROVED AS NOTED WORK MAY PROCEED SUBJECT TO INCORPORATION OF CHANGES INDICATED By: [Signature] Date: 16/6/2025 Permission to proceed does not relieve the contractor from his contractual obligations		
Manufacturer: LEDE		
Origin: CHINA		
Attached: 242 A4+ CD +SAMPLE		
Eng. Mohamed Sayed FOR CONTRACTOR		
Consultant to enter Action Codes and Remarks, and return to Contractor		
REMARKS:		
CONSULTANT'S COMMENTS		
Grooved fittings for fire fightings by LEDE - CHINA are approved as noted. - Sample are approved. - updated certificate (UL/FM, test, Mill test, origin warranty, packing list, - etc) should be submitted upon site delivery. - civil defense certificate approval are required upon site delivery.		
COPIES TO		
Eng. Emad Eldin Amin FOR CONSULTANT		
DATE: 17-6-2025		
Corrections or comments made relative to submittals during this review do not relieve the contractor from compliance with the requirements of the drawings 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. 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.		
TYPE: SD: Shop Drawing CA: Calculation SM: Sample MSS: Method Statement GT: Guarantee TF: Temporary Facilities MD: Manufacturer's Data		
OT: Other CT: Certificates TT: Test Results MK: Mock-up MS: Material Submittal		
* Code to be entered by Contractor ** Code to be entered by Consultant / PM		

الطلب لم يتم قبوله فتم رفعه كـ (B) في استمارة الترخيص
كما تم إرسالها إلى اللجنة لمناقشة طلب الاستدراج وقبوله
قبل البدء في العمل وتقرير الأثر على الموقع

17/6/2025

2025-06-17



MATERIAL SUBMITTAL - MS

Project Name:	MOEg Plaza Redevelopment	Project Manager:	N/A
Project No:	23-0641-CM-HT-MPR	Supervision Engineer:	RMC
Employer:	ENOVA	Contractor:	Shaker
			PCP

From:	PCP	Date:	Tuesday, October 15, 2024
To:	ENOVA	Time:	12:00 AM
Ref.:	0641-PCP-ENV-MS-0082	Rev.:	0
		Subject:	Grooved fitting

Discipline	STR	ARC	MECH.	ELEC.	CALC	OTHERS	Sample	Yes	No

Issued For	APPROVAL	INFORMATION	COORDINATION	OTHERS

Item No.	Description of Specified Item (Name, Type, Size, Capacity, Specific Use, etc.)	Description of Proposed item (Name, Type, Size, Use, etc.)	Spec. / BOQ Ref.	Manufacture	Supplier	Approval Code
1	Grooved fitting	from 2.5 " to 6"	211313 & 232113	LEDE	Kimary	B

This is to certify all items submitted here, have been checked by the contractor, are in conformance with the requirements of the contract documents, except as noted below:

Attachments:

1. Item in Boq .
2. Data Sheet .
3. Approvals .
4. Certificates.



Contractor

Authorized Representative

Comments:

Refer to attached comment's

Eng/ Mostafa Nassar

Supervision Engineer

Authorized Representative

Distribution	Original	Copy

Action Code Legend:

A = Approved B = Approved as Noted C = Revise and Resubmit D = Rejected

*Production, supply and / or implementation shall proceed only when action code is A / or B.

*Regarding action code C, resubmission shall be within the time set in the contract.

Project Submittal

Project Name: Attijariwafa bank HQ
Project No. AWBE3025
Employer: Attijariwafa bank

Project Manager:
Consultant:
Contractor:

CHROME
SHAKER/ARCHIMID
NEXTEP

						TRANSMITTED FOR	CODE
From:	NEXTEP		Date	June 16, 2025		APPROVAL	1
To:	SHAKER/ARCHIMID		Time			INFORMATION	2
Sub type	MS	Trade	MECH	Disc.	FF	RESPONSE	CODE
Floor		Ser.	6	Rev.	0	APPROVED	A
						APPROVED AS NOTED	B
Subject	Grooved Fittings Alternative					REVISE & RESUBMIT	C
Ref.	AWBE3025.MS.MECH.FF.6.0					REJECTED	D

SR.	Ref. Number OR BOQ Ref.	DESCRIPTION		Manufacturer's / Supplier	Attachments	ACTION
1	1	Grooved Fitting		LEDE		
2						
3						

Contractor Authorized Representative :

Name : Mina Victor Farouk Title: Senior Procurement Engineer Stamp:

Consultant Comment :

- Grooved Fitting from .LEDE approved as manufacturers
- All fittings, coupling, and gaskets must be UL & FM listed in addition stamping by manufacturer name, country, size, schedule 40 and weight.
- All Gaket proprietary Formulation (EPDM)
- All installtion should be as per manufacture recommendation
- Provide certificate of origin

Name : Eng/ sayed ibrahim Title: Senior mechanical Engineer Stamp

PM Comment :

Name : Documentation Department Title: NEXTEP Stamp

By: Monzer/Ramez

		MATERIAL SUBMITTAL:			
ZED Towers	Contract No:	ORA-WST-COM-04/00-CPC14-01/25	Reference No.	ZEDW-04-CSC-ECG-S-CT-ME-00005	
Title :	Fire Fighting (Grooved Fittings)	Revision No:		00	
		Date :		11-06-25	
Employer:	Ora Developers Egypt	Engineer:	Mace	Supervision Consultant:	ECG
MATERIAL SUBMISSION DESCRIPTION					
Discipline : ☐ C-Civil ☐ S-Structure ☐ A-Architecture ☐ E-Electrical ☒ M Mechanical ☐ O Others					
Description of Material : Fire Fighting (Grooved Fittings)					
Specification / Control Document Reference : BOQ Section 211000 - SPEC Section 211000					
Manufacturer (Name & Address) : LEDE					
Supplier / Local Agent : LEDE					
Description of Attachment : Data & Tests & Certificates & Pervious Approval					
Description of Samples & Catalog : NONE					
Specification Comparison Sheet :					
Contractors QA/QC					
Name :					
Comments:.....					
☐ Compliant		☐ Rejected			
Sign :- Yasser EL-Shami					
Consultant Approval Status					
These drawing / materials have been reviewed for design intent only. The review does not relieve the Contractor of his obligations under the contract to construct the Works with the Design Drawings and with Manuals that comply with the specification.					
Comments:					
- LEDE is approved for grooved fire fighting fittings. - Pressure rating shall be as per project specs. - Rigid or flexible fittings shall be used as per site conditions and engineer request. - Certificate of origin shall be submitted with materials delivery .					
14/6/2025		Sign&date:.....			
PMC Technical Manager (MEP / Construction)		A- Compliant ☐ B- Compliant with comments ☒ C- Not Compliant ☐			
Name :		Signature :			
Project Director Review		Date :			
Name :		Signature :			
		Date :			



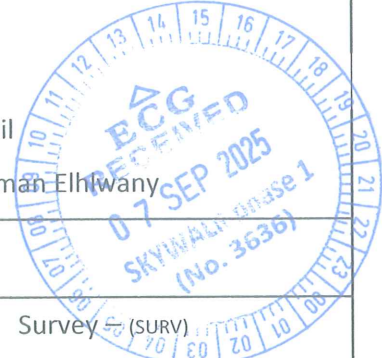
ECG DC Received

Mr Mohamed Rehem Jun 11 2025 3:43 PM

			MATERIAL SUBMITTAL:		
ZED Towers		Contract No: 2731		Aconex No.ZEDW-02-RME-ECG-S-CT-ME-00274	
Title : Fire Fighting Grooved Fitting			Date : 09/07/2025		
			Revision No: 01		
Employer: Ora Developers Egypt		Engineer: Mace		Supervision Consultant: ECG	
TO ECG		CC ORA MACE			
MATERIAL SUBMISSION DESCRIPTION					
Discipline : ☐ C-Civil ☐ S-Structure ☐ A-Architecture ☐ E-Electrical ☒ M Mechanical ☐ O Others					
Description of Material : LEDE					
Location : HVAC					
Usage : A&D					
Specification / Control Document Reference :				211000	
Manufacturer (Name & Address) : LEDE					
Supplier / Local Agent : KIRMARY					
Description of Attachment : as per attached					
Description of Samples & Catalog :				1 soft Catalog & 1 simple board	
Specification Comparison Sheet :					
Contractors QA/QC					
Name : Eng.Ramy Hassan					
Comments :					
☒ Compliant		☐ Rejected		Sign : 	
Consultant Approval Status					
These drawing / materials have been reviewed for design intent only. The review does not relieve the Contractor of his obligations under the contract to construct the Works with the Design Drawings and with Manuals that comply with the specification.					
Comments:					
-Mill test certificate and country of original certificate shall be provided with each patch in site. -FACTORY TEST CERTIFICATE FOR MECHANICAL PRPPERTIES SHALL BE PROVIDED. -OUR APPROVAL FO FFSYSTEM WATER System -All fittings shall be with stand 1.5 working pressure at least Eng . Taha ECG مراجعة المهندس الاستشاري ENGINEERING CONSULTANTS GROUP S.A. Technical Office Department H.Q. B: APPROVED AS NOTED WORK MAY PROCEED SUBJECT TO INCORPORATION OF CHANGES INDICATED <i>Taha Eladily</i> Date.....20/07/25.... Permission to proceed does not relieve the contractor from his contractual obligations					
				A- Compliant ☐ B- Compliant with comments ☒ C- Not Compliant ☐	
Name : Sign&date:.....					
PMC Technical Manager (MEP / Construction)					
Name :		Signature :		Date :	
Project Director Review					
Name :		Signature :		Date :	

MATERIAL SUBMITTAL (MS)

Project Name	: SKY WALK WEST	Date	: 07 / 09 / 2025
Employer	: SKY Development	Sub. No.	: SKY-3636-KORRA-ECG-MS-FF-006 Rev.01
		Contract	: 3636
		Location	: Pump Room
Consultant	: ECG	To	: Eng.: Rano Nabil
Contractor	: Korra Energi	From	: Eng.: Abdelrahman Elhwany


Material/Equipment Description: Material Submittal – Grooved Fittings
Submittal Category:

- | | | |
|---|--|---|
| ☐ Architecture – (ARCH) | ☐ Civil/Structure – (ST) | ☐ Survey – (SURV) |
| ☒ MEP – (MEP) | ☒ Fire Protection – (FF) | ☐ Plumbing – (PL) |
| ☐ HVAC – (HVAC) | ☐ Electrical – (ELECT) | ☐ Light Current – (E-LC) |
| ☐ Infrastructure – (INFRA) | ☐ Mobilization – (MOB) | ☐ Hand Soft scape |
| ☐ Roads | ☐ Elevators – (ELEV) | ☐ General – (GEN) |

Spec. Reference	: 15310	B.O.Q Reference	: 15-F.F-1-(A,B)	Quantity ()	
Manufacturer	: LEDE	Date of arrival on site	: -----		
Model Number	: as per attach. material list	Serial number	: as per attach. material list		
Country of Origin	: China	Certificate of origin	: -----		
Storage Location	: -----	Bill of lading	: -----		

Attachements: -

☒ Hard Copy () Sheets ☐ Soft Copy (CD) ☐ Samples ()

Note: Please Clarify the Attachements if any.

Eng.


Action Code Legend:

(A) Approved (B) Approved as Noted (C) Revise and Resubmit (D) Rejected

Notes :

- Production, supply and /or implementation shall proceed only when action code is A / or B.
- Regarding action code C, resubmittal shall be within the limit set in the contract.
- Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents.
- If rejected please see comments.

Consultant Comments:

✓ Sample for h/bet. containing to be submitted for review.
 ✓ ASTM A 395 ductile iron, enamel paint,
 ✓ gasket rated temp. up to 110°C, 300 PSI.
 ✓ updated all test, origin, ul, fm, packing list. to be
 Provided for review & Approval.



5 AUG 2025

Material Submittal Report

Mid Town Sky Mall
E3

Midtown Sky Mall B PK14-MEP (Phase 3)
Package 14 Phase 3

Project Name / المشروع

Contract NO : اسم / رقم العقد

Mail B

Building Name / اسم المبنى

Type of work / نوع الأعمال

Mech
ميكانيكا

Elec
كهرباء

Finishing
تشطيبات

Civil
اكتفاي

Ref.no / الرقم المرجعي

Date / تاريخ التقديم

SK14-PH3-SP-MSR-ME-0015

05 August 2025

00

Rev.no / طبعة

Smart Power
5 AUG 2025

Contractor / اسم المقاول

استلام
GROOVED COUPLING

Material Name
اسم المادة

LEDE

Vendor / Name
اسم المصنع

MATERIAL SUBMITTAL OF FLEXIBLE COUPLING GROOVED FITTINGS
(LEDE)

Description / وصف المواد
Material

Attachment / المرفقات

Data Sheet , Technical Submittal

15300

BOQ Item / بند المقايمة

Area of Application / التطبيق

Contractor / المقاول

Name / الاسم

Project Manager
مدير المشروع

Name / الاسم

Signature / التوقيع

Tech. Office
مدير المكتب الفني

Review Result / نتيجة المراجعة

Evaluation / التقييم

Date Receive / تاريخ الاستلام

D Rejected / مرفوض
C Rejected and resubmit / مرفوض ويطلب تقديم
B Approved as noted / معتمد بشروط
A Approved / معتمد

Receiver / المستلم

- * LEDE is technically approved for grooved fittings.
- * Model of the approved flexible coupling is (XGCT2).
- * Flexible couplings of building's structural joints are the only grooved fittings allowed to be used unless otherwise formally specified.
- * The number of expansion couplings depends on the expansion distance of the structural separation joints and to be checked with structure engineer in site and to be calculated by Manufacturer.
- * Coupling gasket shall be lubricated by vegetable grease prior tightening on pipe.
- * All flexible couplings shall be subject to the same hydrostatic pressure.
- * All papers from UL/FM certificates, country of origin, etc. to be attached with M.I.R.

Project Management / إدارة المشروع

CMD
مدير عام المقاولات والشركات

Project Manager
مدير المشروع

MEP Manager
مدير الميكانيكا والكهرباء والتدفئة

T.O Manager / STO Manager
مدير المكتب الفني / مدير المقاولات والشركات

Name / الاسم

Name / الاسم

Name / الاسم

Name / الاسم

Signature / التوقيع

Signature / التوقيع

Signature / التوقيع

Signature / التوقيع

13 AUG 2025



شركة وادي النيل للمقاولات والاستثمارات العقارية
Wady El Nil Contracting & Real Estate
Investment Co.

الاستشاري العام : كلية الهندسة جامعة عين شمس

Owner:-

Project:- المبنى الجديد للهيئة القومية للاستشعار من بعد وعلوم الفضاء

Material Date Sheet (MAS)

TRANSMITTAL No. :	FIRE-FIGHTING-13	DATE:	13/07/2025	REV:	0
-------------------	------------------	-------	------------	------	---

TO : كلية الهندسة جامعة عين شمس

ATTN: Project Manager

WE ARE SENDING:		SUBMITTED FOR:	ACTION TAKEN:
☐ Letter (L)	☐ Report (RP)	☐ Approval	☐ Approved as Submitted
☐ Material Date Sheet (MAS)	☐ Prequalification (PQ)	☐ Your Use	☐ Approved as Noted
☐ Drawings (DW)	☐ Request For Info. (RFI)	☐ As Requested	☐ Submit
☐ Time Schedule (SCH)	☐ Shop Drawing (SD)	☐ Review and Comment	☐ Resubmit
☐ Payment Certificate (INV)	☐ QA/QC Document (QC)	☐ For Information	☐ Returned
☐ Material/Sample Inspection (MIR)	☐ Quantity Survey (QS)	SENT VIA:	☐ Returned for Approval
☐ Specifications	☐ Safety/Environment		☐ Returned for Correction
☐ Other		☐ Separate Cover / Mail	☐ Due Date:

Attached Documents Subject:

ITEM	COPIES	SPECS. REF	DESCRIPTION	REV	STATUS
1	1	13312 (Fire Fighting)	قطع اتصال حديد اسود / مجلفن من النوع grooved إنتاج LEDE (برجاء التكرم من سيادتكم بالاعتماد لتوافره للتوريد في الوقت الحالي وعدم توافر الشركات المصنعة الأخرى).	0	الدور الخامس والسادس (أ)

Dear Sir,

Please Find the enclosed Documents for the above mention Subject.

1 sets of Hard copies

Best Regards

MAIN Contractor

DATE: 13/07/2025

MAIN Consultant: LEDE grooved fitting

Project Manager

- A ☐ Approved as submitted
B ☒ Approved AS Noted.
C ☐ Rejected

Office For Electronic Submittal Action Code
A Approved
B Approved as noted
C Resubmit
D Reject
Date: 5-8-2025
Signature: [Signature]

Palm Hills New Cairo – AD PK

Material Submittal

Client : Palm Hills Developments
Contract Reference :
From Contractor : CRC- Dorra
To Consultant : Shaker Consultancy Group (SCG)
Issued for : Approval

Issue Date: 15/07/2025
Contractor P.M.
(Eng. Mohamed Gamea)

Signature

Ref.	Project Code	Cont.	Phase	LOCATION	Cat.	Serial	Rev.
MS	PNC-ADPK	CRC	ADPK	ADPK	MEC	031	00

Title:	FIRE FIGHTING FITTINGS
Description:	FIRE FIGHTING FITTINGS
Manufacturer:	LEDE, MECH
Supplier:	KIRMARY
Used Location:	ADMIN PARK



Attachments

No.	Description
1	BOQ & Material List & TEST & Certificates & Previous Approval & data sheet & Compliance Sheet & Vendor List
2	2 SAMPLE

References

Specs.	
--------	--

Consultant's Comments / Requirements

- LEDE & MECH brand for fire fighting Fittings are approved
- Grooved fittings & threaded fittings should be UL/FM

Status Code:



(A) Approved



(B) Approved as Noted



(C) Resubmit



(D) Rejected

Reviewed & Replied by:
Eng.

Signature:

Mohamed Reda.

Date: 20/7/2025

00	14/05/2025	Approval
Revision No.	Date	Reason

Project
ITDA Warehouse LUXOR

Owner
HASWL

Owner Consultant
PGESCO

Contractor
Hassan Allam Construction (HAC)

Material Submittal Title
Galvanized Grooved Fitting
Brand : LEDE

10184-9-VHC-M00Z-00114
001

10184-CP-102-HAC-MSL-MECH-0092
00

PGESCO
Improving Services in Engineering

Supplier Document Status

CODE: **2**

Code 1 = Work may proceed
Code 2 = Revise and resubmit. Work may proceed subject to resolution of indicated comments.
Code 3 = Rejected, Revise and resubmit. Work may not Proceed.
Code 4 = Review not required.

Permission to proceed does not constitute acceptance or approval of design details, calculations, analyses, test methods or materials developed or selected by the Supplier and does not relieve the Supplier from full compliance with contractual obligations.

Responsible Engineer - **Dwidar, Mohame**
Date Issued - **6/1/2025 11:**
Supplier Requirement Category -
Equipment No. -

PGESCO. Document No.:

Design By	Eng. Ahmed Abdelrhman	Contractor Document No.:	Rev.
Checked By	Eng. Ahmed Abdelrhman		
Approved By	Eng.	10184-CP-102-HAC-MSL-MECH-0092	00

Comments:

-Updated ISO 9001 certificate shall be provided.

-Show for which piping class sheets these grooved fittings will be used for.

-Specify and mark the selected products that will be provided.

-Specify the sizes of the selected products.



(Submittal)

طلب اعتماد مواد

إلى الإستشارى :-		جماعة المهندسين الإستشاريين		من المقاول العام :		اوراسكوم	
رقم الطلب		LQ-OC-ECG-MSL-ME-0237		الإصدار		00	
الموضوع		Fire Fighting Grooved Fittings		المرفقات		3 Hard copies + 1CD	
		Supplier : LEDE					
		Manufacturer : LEDE					
المنطقة		Zone 06		رقم البند		رقم المواصفه	
نوع الاعمال		إنشائى		معمارى		كهرباء	
		ميكانيكا		ميكانيكا		مساحة	
		اخرى					

م	البيان / الوصف	عدد النسخ
1	Fire Fighting Grooved Fittings (LEDE)	3

تعهد المقاول: المستندات المرفقة تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام فى المشروع من قبل المقاول

المقاول

مدير المكتب الفنى

مهندس اول خامات

APPROVED AS NOTED

Date

بتاريخ:

التوقيع:

بواسطة:

استلام الإستشارى

ملاحظات الإستشارى

Refer to Comments in the attached (X4).

الإستشارى المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ:
------------------	------------------	----------	---------

يعاد التقديم مرة اخرى بعد اتمام الملاحظات

ج

معتمد

أ

الطلب مرفوض

د

معتمد مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات

ب

اعتماد الإستشارى	استلام المقاول
بتاريخ: / /	بتاريخ: / /
TYPE : SD:Shop Drawing CA:Calculation SM:Sample MS:Method Statement GT:Guarantee TF:Temporary Facilities MD:Manufacturer's Data	OT:Other CT:Certificates

التوزيع قبل الاعتماد :

المالك :	الإستشارى :
----------	-------------

التوزيع بعد الاعتماد :

المالك	الإستشارى	مدنى	معمارى	كهرباء	تكييف	ميكانيكا	تخطيط	Q.S
--------	-----------	------	--------	--------	-------	----------	-------	-----



Material Submittal

From: JIDAAR Construction & Development

To: ACE

Serial No.:	SLR-JID-ACE-P06-MS-MECH-0038			Rev.:	00	Action Approved A Approved as Noted B Rejected & Resubmit C For Information D
Parcel#:	06	Location/Building:	Cluster 7,2,8	Date:	21/11/24	
Category:	☐ STR ☐ INFRA ☐ ARCH ☒ MECH ☐ ELEC					
Subject:	Fire Fighting Expansion Joint					
Manufacturer:	LEDE		Supplier:		KIRMARY	

Write Submittal body here:

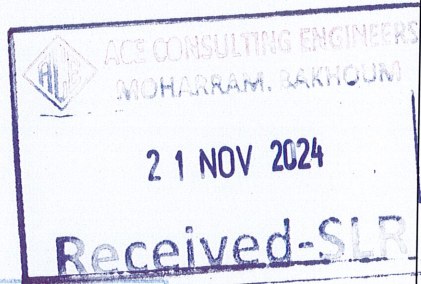
- FIRE FIGHTING EXPANSION JOINT SIZES 4" & 6".

Attachment: 1. List the attachments here:

- Data sheet
- Calculation

Samples:

Need Sample (1)



- Enclosure/Attachment:**
- ☐ Vendor List:
[xx] Pages – Size Ax
 - ☐ Previous Approvals:
[xx] Pages – Size Ax
 - ☐ IFC Drawings:
[xx] Pages – Size Ax
 - ☐ Shop Drawings:
[xx] Pages – Size Ax
 - ☐ Specs/Compliance:
[xx] Pages – Size Ax
 - ☐ BOQ:
[xx] Pages – Size Ax
 - ☒ Data Sheets:
[xx] Pages – Size Ax
 - ☐ Test Reports:
[xx] Pages – Size Ax
 - ☐ Certificates:
[xx] Pages – Size Ax
 - ☐ Samples

Initial: Eng. Karim Nasr

Contractor Signature: *[Signature]*

T.O.M Signature: *[Signature]*

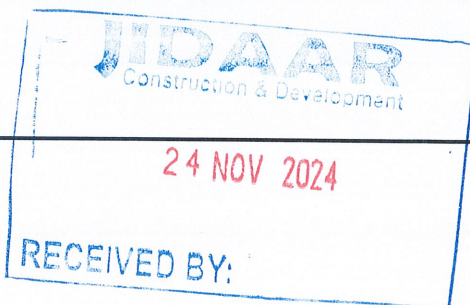
Comment:

based on Technical Data sheet and calculation
No objection To Proceed the material with provided sample

Nasser okasha
23-11-2024

Consultant Technical Office Manager:

Name: *[Signature]*
Signature: *[Signature]*
Date: 23-11-24



مشروع جوهرة كورنيش النيل مسلسل () رقم الطلب ()

طلب استلام اعتماد اعمال الحريق (Zone 1&2)

ثانيا: القطع الجروف (Groove fitting) (ماركة ليدو)

برج ()

بتاريخ ١٩/١١/٢٠٢٠ ج

منسوب الدور

بعد معاينة الكتالوجات المرفقة تبين انها :

مرفوضة

☐

مقبولة بملاحظات

☒

مقبولة

☐

ملاحظات

يتم حسب المواصفات الفنية وبادول الكمية للأقطار
في كبر من ٢ بوصة فقط ~~وأكبر من ٢ بوصة~~ وتحتل منه
تشغيل لا يقل عن 300 PSI

الاستشاري/ المالك

شركة مصر للتعمير

أحمد ملاح

المقاول

شركة يثرب

Al



CamScanner

مشروع (480) NEW SIX CENTRAL MEDICAL WAREHOUSES –

طلب اعتماد مواد

المالك: شركة المخازن الاستراتيجية للمنتجات والأجهزة الطبية SWC الاستشاري: مكتب الإستشارات الهندسية – الكلية الفنية العسكرية
الهيئة المصرية للشراء الموحد والإمداد والتموين الطبي
والإدارة التكنولوجية الطبية U.P.A

مقدم من : شركة اوراسكوم ويتز	موجه إلى: مكتب الإستشارات الهندسية – الكلية الفنية العسكرية
أسم وتوقيع المرسل: مهندس/ أمجد جرجس	
مهندس/ بيشوي سلويز	
بتاريخ: 2024 / 8 / 11	بتاريخ: 2024 / /

إصدار رقم: 00

رقم النموذج: WOJV-ECO-SMW-CAI-ME-MAT-0002

عنوان النموذج/		حسب مستندات التعاقد		بديل	
مستند	عدد النسخ	البيان/ الوصف	المصنع/ بلد الصنع	رمز المواصفات	رمز المقايسة
1	2	Firefighting GROOVED FITTINGS	Kirmaty / EGYPT		
2	1	FROM: kirmaty			
		CD			
		الدور:	الجزء:		

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ
الملاحظات			20 / /
لا يتم الموافقة على بلد المنشأ			
2			

ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى

أ = معتمد

د = الطلب مرفوض ويعاد التقديم مرة أخرى

ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات

اعتماد الاستشاري	م/م	بتاريخ
استلام المقاول	الاستلام بواسطة	20 / 8 / 17
		20 / /

Received
21 AUG 2024
WEITZ-ORASCOM - SMWH Project

مكتب الإستشارات الهندسية
الكلية الفنية العسكرية

التوزيع قبل الاعتماد : التوزيع بعد الاعتماد

No.	المالك	الاستشاري	المالك	المقاول	مدني	معماري	كهرباء	تكييف	ميكانيكا	تخطيط	Q.S
									X		

مكتب الإستشارات الهندسية
«و.د.د.»
رقم: ١٨٢٠
التاريخ: ٢٠٢٤ / ١ / ١٢

[illegible]

MATERIAL SUBMITTAL (MS)

Project Name: Villette Project No.: 1089 Employer: Soreal Project Manager: Eng. Amr Al-Rakaiby	Phase: Zone (D&E) – Multi Family Consultant: ABCG Contractor: Talenco Contract: P13															
From: Talenco For Engineering & Contracting To: Active Brains Consulting Group Attn: ENG. Mahmoud Kamel Subject: Grooved Fitting LEDE.	Date: 7-5-2020 Submittal: 1089-P13-MS-TAL-ABCG-PLUM-GN-20-0020 Rev: 00															
Material / Equipment For: Approval Description: (Grooved Elbow 90 – Grooved Coupling XGQTI). Specification Reference: N/A Quantity: N/A	Bill of Quantities Reference: N/A															
Manufacturer's Details: KIRMARY Egypt. Manufacturer: KIRMARY. Model Number: N/A Country of Origin: Egypt. Storage Location: Site.	Serial Number: N/A Certificate of Origin: N/A Date of arrival on site: N/A Bill of lading: N/A															
Attachments: 2 Copies of (A4) Catalogs + 1 Sample Board.																
Action Code Legend: (A) Approved (B) Approved as Noted (C) Revise and Resubmit (D) Rejected																
Notes : - Production, supply and /or implementation shall proceed only when action code is A / or B. - Regarding action code C, resubmittal shall be within the limit set in the contract. - Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents. - If rejected please see comments.																
Consultant Comments: <table border="1"> <thead> <tr> <th>Inspection Report:</th> <th>Yes/No</th> <th>Initials Inspector Engineer</th> </tr> </thead> <tbody> <tr> <td>1- Physical damage?</td> <td></td> <td></td> </tr> <tr> <td>2- Details given above correct?</td> <td></td> <td></td> </tr> <tr> <td>3- Conforms with approved submission?</td> <td></td> <td></td> </tr> <tr> <td>4- Accessories / Spare parts included?</td> <td></td> <td></td> </tr> </tbody> </table>		Inspection Report:	Yes/No	Initials Inspector Engineer	1- Physical damage?			2- Details given above correct?			3- Conforms with approved submission?			4- Accessories / Spare parts included?		
Inspection Report:	Yes/No	Initials Inspector Engineer														
1- Physical damage?																
2- Details given above correct?																
3- Conforms with approved submission?																
4- Accessories / Spare parts included?																
Remarks: *LEDE Approved only For UL/FM Fittings.																
Consultant Manager Remarks: * All Fitting 2.5" and larger Should be grooved Fittings only.																
Actions required from Contractor : * Contractor should Apply Material selection to be rigid or Flexible																
Attachements: Fittings ☐ Hard Copy ☐ Soft Copy (CD)																
Employer's Representative Comments:																
CC: SOREAL Senior Project Manager Eng. Kamel Ismail																



Supervision Consultant
Authorized representative

Employer Representative
Authorized Representative



MATERIAL SUBMITTAL (MS)

09 JAN. 2020



Project Name: Arab Investment Bank Headquarter

Project No. : 1185

Employer : Arab Investment Bank

Project Manager : EHA Consulting Engineers

Package : Main Package

Phase : Construction

Supervision Consultant: EHA Consulting Engineers

Contractor : El Soadaa Group

From : El Soadaa Group

To : EHA Consulting Engineers

Attn. : Eng. Mohamed Helmy

Date : 28/12/2019

Submittal Ref.: 1185/SOD/EHF/MS/MEC/019/0032-00

Previous Ref.: N/A

Subject: Grooved Fittings - (LEDE / KIRMARY)

Material/ Equipment For Approval:

Description: Grooved Fittings - (LEDE / KIRMARY)

Specification Reference :

Quantity :

Bill of Quantities Reference :

Manufacturer's Details:

Manufacturer : LEDE / KIRMARY

Model Number :

Serial number :

Date of arrival on site :

Country of Origin: CHINA

Certificate of origin :

Bill of lading :

Storage Location:

Main Contractor :

Attachments: 2 Catalogues & Compliance Sheet & Previous Manufacture's Works & Test Certificates & UL FM & CD & 01 sample Board

Action Code Legend:

(A) Approved

☒ (B) Approved as Noted

(C) Revise and Resubmit

(D) Rejected

Notes :

- Production, supply and /or implementation shall proceed only when action code is A / or B.
- Regarding action code C, resubmittal shall be within the limit set in the contract.
- Review does not relieve the contractor from responsibility of compliance with all requirements of contract documents.
- If rejected please see comments.

Consultant Comments:

Inspection Report:

- Physical damage?
- Details given above correct?
- Conforms with approved submission?
- Accessories / Spare parts included?

Yes/No

Initials Inspector

Engineer

* bill of lading is required for delivered note
* The contractor must submit the material from the same manufacturer

Remarks :

Consultant Manager Remarks:

* The usage for fittings according to requirements
* Pressure rating of primary assets

Actions required from Contractor:

* The delivered materials must be inspected before installation.

Attachments:



Hard Copy



Soft Copy (CD)

* The delivered material

Supervision Consultant

not by sample

Employer's Representative Comments (if required):

Employer Representative

RECEIVED

28 DEC 2019



* distribution letter required for final approval
* used for his lighting only.

Project Name:- Al Hammam Agricultural Drainage Water treatment plant.

MOL OC AC HAC
JOINT VENTURE



19 DEC 2021



Contractor:-
MOL-OC-AC-HAC-JV

CONSULTANT:-
Katib&Alami (K&A)

Client:-
GOE (Water Departments)

Material Submittal

From	MOL-OC-AC-HAC-JV			To	Katib&Alami (K&A)	
Transmittal No	NDWTP-MT-CV-ME-KA-ON-0286	Rev	00	Date	18-Dec-21	
Subject	SPRINKLERS-HYDRANTS-GROOVED FITTINGS-VALVES- FIRE HYDRANT- THREADED FITTINGS- FIRE HOSE CABINETS- SWITCHES-DRAINS- AIR VENT- HANGERS			Attachment	Data sheet , pre approval & cheek	
Manufacturer:	VIKING-LEDE-MECH-ZYFIRE-SYSTEM SENSOR-POTTER-ZURN-VALMATIC-ERICO	Supplier	KIRMARY	Area Of Application	ALL	
Discipline	☐ Civil / Str.	☐ Arch.	☐ Elect	☒ Mech	☐ Other	
Ser	Description				No of Copies	
1	PRE-QUALIFICATION FOR KIRMARY & DATA SHEETS FOR PRODUCTS				2	

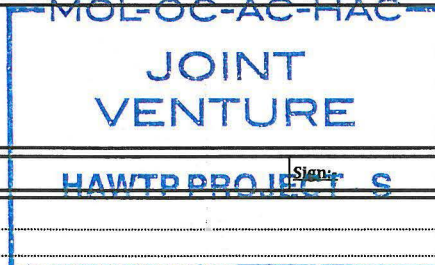
Contractor Commitment:-

the document attached has been reviewed regarding to contract and consider acceptable to be used in the project

Contractor

on shore civil manager
ENG. Nagy Azmy

[Signature]



PROJECT DIRECTOR
ENG. Waleed Fahmy

[Signature]

Consultant Receiving

Name:-

Sign:-

Date:-

Consultant Remarks

** Refer to our Revised Sheet for Comments*

Assigned Consultant Engineer	Name:-	Sign:-	Date
A ☐ Approved	C ☐ Re-submit after rectify comments		
B ☒ Approved with comments, the work can proceed according to notes	D ☐ Rejected		

Consultant Approval

Name:-

Contractor Receiving

Name:-

Distribution before approval

Consultant

Client



Distribution After approval

Client

Contractor

Consultant

Civil Arch Elect HVAC Mech Planning Q.S

24

F.F


ORASCOM
CONSTRUCTION

GEM Tourist Walkway
Technical Submittal

طلب اعتماد خامات

أوراسكوم للإنشاءات Orascom Construction	من المقاول :	محرم-باخوم ACE	الى الاستشاري :
--	--------------	-------------------	-----------------

Project Code	Area	Initiator	Trade	Document Type	Serial No.	Revision
GEM	0	OC	MG	P M S L	0 0 0 2 4	00

٢٠٢٤ يوليه ١٧	التاريخ	00	الإصدار		GEM-0-OC-MG-PMSL-00024-00	رقم الطلب				
2 files	المرفقات	Technical Submittal Grooved fitting and accessories				الموضوع				
KIREMARY CO (LEDE)		المورد				المنطقة				
		ميكانيكا	☒	كهرباء	☐	معماري	☐	إنشائي	☐	نوع الاعمال

البيان / الوصف	م
Lede Quality Certification	١
Consulting Approvals	٢
Factory Mill , Test UL/FM Certificates	٣
Fitting Specification	٤
ARAB CONSULTING ENGINEERS Received Grand Egyptian Museum Date: 1.8 JUL. 2024 Time:	٥
ORASCOM CONSTRUCTION GEM Tourist Walkway Project Code No.:553	٦

المدير المسئول	عمار ملو	التوقيع:	بن تاريخ:
مدير المشروع		التوقيع:	بن تاريخ:
استلام الاستشاري		التوقيع:	بن تاريخ:

ملاحظات الاستشاري

١ لا مانع من اعتماد قطع ليد (Lede) معتمدة من الشركة المصنعة
 ٢ يرجى تقديم إبيات لفئة موصفا بها الطرازات التي سيتم استخدامها تكونه
 ٣ متوافقة مع مواصفات الشركة وخطوط البناء والهيكل
 ٤ يرجى تقديم لوحة اعتماد ليد وخطوط البناء والهيكل

 معتمد ☐

ب معتمد مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات

ج الطلب مرفوض - يعاد التقديم مرة أخرى بعد اتمام الملاحظات

اعتماد الاستشاري	الاسم: س/علاء خلف	التوقيع:	بن تاريخ: 4/8/2024
استلام المقاول	الاسم: محمد سعد	التوقيع:	بن تاريخ: ٦/٨/٢٠٢٤

		Plasma Fractionation and Purification Plant Phase 1 (GEPD)	
		Material Submittal (MS)	

CONTRACTOR: Orascom Construction (OC)	Owner: Grifols Egypt for Plasma Derivatives (GEPD) Consultant: Arab Consulting Engineers (ACE) "Moharram-Bakhoum"	No.: GEPD-OC-ACE-MSL-ME-00032 Rev.: 00
		Date: 29 th of April 2023

1. Submittal Discipline:

☐ Architecture
 ☐ Structural
 ☐ Electrical
 ☒ Mechanical
 ☐ Others

2. Submittal Type:

01	☒ Material	05	☐ Method Statement	09	☐ Insurance	13	☒ Samples	17	☒ Prequalification
02	☐ Drawing	06	☐ Safety	10	☐ Catalog	14	☐ Calculation	18	☐ Compliance Sheet
03	☐ Sketch	07	☐ Schedule	11	☐ System	15	☐ Bending List	19	☒ Data Sheet
04	☐ QA, QC Document	08	☐ Reports	12	☐ Equipment	16	☒ Certificate	20	☐ Others

Subject: Material Submittal for Grooved fitting (Steel & Galvanized)

Submittal detail:

SN	Description	Manufacture /Supplier	Rev.	Remarks
1	Material Submittal for Grooved fitting (Steel & Galvanized)	LEDE /KIRMARY	00	- Attached 3 Samples - Total Pages: Pgs.

2. Submittal For:

☒ Approval

☐ Information

Issued By:

Technical Office Chief Engineer

Name: Eng.Ahmed Ashraf

Signature: Ahmed Ashraf



Technical Office Manager

Name: Eng. Manal Ghaly

Signature: *Manal Ghaly*

ACE Comments:

Code B

1-All fittings must be UL listed and FM stamped and certificate to be provide.

2-Pipe and fittings should be same standards also gaskets,bolts and nuts.

3-Certification of origin and test is required.

4-installation shall be as per NFPA and method of statement.

5-installation shall be supervised and approved according to manufacture recommendation.

☐ Approved	A
☐ Approved As Noted	B
☐ Revise And Resubmit	C
☐ Rejected	D

ACE Eng.: **Ahmed Gaber**

Signature: **A.Gaber**

Date: **03./05./2023**



اسم المشروع : مستشفى دهب المركزي					C.C. 1717	
Material Submittal نوع المستند : نموذج تقديم عينات مواد						
رقم الطلب	05	REV	00	المرفقات	As Attached + CD + Sample	
رقم البند في المقايسة	211000		رقم المواصفات الفنية		211000	
التاريخ	06-Jul-21		نوع التقديم		MECH	
الغرض من التقديم	وصف التقديم					
اعتماد عينات	FIRE FIGHTING GROOVED FITTING من انتاج شركة LEDE					
مهندس المكتب الفني	م محمد رفاعي					
التوقيع	التوقيع					
إستلام الاستشاري العام	التاريخ					
ملاحظات الاستشاري العام						
(LEDE) approved for grooved fitting in fire fighting pipe line subject to: * pipe and fitting should be same sandblast - also jackets salt blast * Test and origin certificate should be submitted with material delivery * Use only marked fitting only (cross Tee not accepted) * Samples kept in site for material delivery - * flexible and rigid coupling should be use in the pipe line as specified - and mechanical Tee - * Use only approved machine for grooved the pipe * Refer to the notes inside the submitted						
تتبع مع تلافى	تتبع مع تلافى		يعاد تقديمه بعد تلافى		مرفوض - D	
الملاحظات - B	الملاحظات - B		الملاحظات مع عدم التنفيذ - C		الملاحظات مع عدم التنفيذ - C	
تتبع مع تلافى	تتبع مع تلافى		يعاد تقديمه بعد تلافى		مرفوض - D	
الاستشاري العام						
التوقيع	التوقيع		التوقيع		التوقيع	
التاريخ	التاريخ		التاريخ		التاريخ	

طلب اعتماد العينات بالموقع

عقد رقم: 01

مشروع: تطوير صالة البوليفينج شيراتون الرياضي

العيينة المقدمة : إكسسوارات أجهزة مكافحة الحريق (Fire Fighting)
عيينة رقم : 14
" Fitting Grooves & Valve "

الى : شركة المدن للخدمات الرياضية و الشبابية .

مراجعة رقم : 01

تاريخ تقديم العينة : 2020 / 09 / 28

من : شركة انتجرا مصر .
إشارة الى : مهندس الالكتروميكانيكالى لدى الاستشاري .

توصيف للعيينة المقدمة

Grooved Fittings LEDE (UL / FM)

توصيف العينة :

اسم المصنع :

اسم المورد أو الوكيل المحلي :

المواصفات : طبقا للمرفقات

بند رقم : (1-1) مكافحة الحريق.

شهادة مقارنة بالعينة المرسله :

مرفق العينات : داتا شبييت بدون عينات .

تاريخ التوقيع :

توقيع مدير المشروع :

ختم بتاريخ استلام الاستشاري للطلب

ختم بتاريخ تسليم الطلب للمقاول

ختم بتاريخ استلام المقاول

Submit
INTEGRAT
Date 28/09 /2020

Receive
INTEGRAT
Date 5 / 10 /2020

مراجعة مدير المشروعات لدى المكتب الاستشاري

التاريخ : 28/09/2020

التوقيع :

الاسم :

ملاحظات على العينة المرسله

كود الاعتقاد : 33
يرجى ان يلتزم بتعليمات الشركة المصنعة للتركيب والتعليق
داهول الصانعة وامتثالها لالحاير المصنعة

التاريخ :

التوقيع :

الاسم :

موافقة (A)

موافقة مع وجود ملاحظات (B)

رفض ويتم إعادة الطلب مرة أخرى (C)

مرفوض (D)

توقيع مشرف الموقع المندوب لدى الاستشاري

نيابة عن اسم المكتب الاستشاري :

التاريخ : 10/10/2020

التوقيع :

الاسم : محمود المصري

التاريخ : 12/01/2025
خطاب إعتاماد مورد



إخطار بإعتاماد مورد

السادة شركة كيرماري للتوريدات الهندسية

تحية طيبة وبعد ،،،

نود ان نحيطكم علماً أنه بعد الاطلاع على منتجات شركتكم و التي تتكون من :

- SPP Fire Pump
- Kirmary Valves
- Kirmary Cabinets
- Lede Valves
- Leda Grooved Fitting
- Mech Ductil Iron Threaded Fitting
- Tiger Steel Pipes

و نفيد لسيادتكم انه تم دراسة المواصفات الفنية للمنتجات المذكورة و جدنا انها تحقق المواصفات المطلوبة و ترتقى ان تكون منتجات معتمدة من قبل مكتب محمد طلعت للإستشارات الهندسية.

لذلك نخطر سيادتكم انه تم اعتماد المورد المذكور كمورد معتمد في مشاريعنا القادمة.

وذلك اخطار منا لكم بذلك

وتفضلوا بقبول فائق الاحترام والتقدير،،،



12/01/2025
مينا زغلول

التاريخ : 12/01/2025
خطاب إعتداد مورد



إخطار بإعتداد مورد

السادة / القائمين على مشروع اوجيستا .

تحية طيبة وبعد ،،،

نود ان نحيطكم علماً أنه بعد الاطلاع على منتجات شركة كيرمارى للتوريدات الهندسية و التى تتكون من :

- SPP Fire Pump
- Kirmar Valves
- Kirmar Cabinets
- Leda Valves
- Leda Grooved Fitting
- Mech Ductil Iron Threaded Fitting
- Tiger Steel Pipes

و نفيد لسيادتكم انه تم دراسة المواصفات الفنية للمنتجات المذكورة و جدنا انها تحقق المواصفات المطلوبة و ترتقى ان تكون منتجات معتمدة من قبل مكتب محمد طلعت للاستشارات الهندسية.

لذلك نخطر سيادتكم انه تم اعتماد المورد المذكور كمورد معتمد فى مشاريعنا القادمة.

وذلك اخطار منا لكم بذلك

وتفضلوا بقبول فائق الاحترام والتقدير،،،

مقدمه لسيادتكم
مدير قسم الميكانيكا
م/ مينا زغلول





كيوب للإستشارات الهندسية
CUBECONSULTANTS
DESIGNS AND ENGINEERING CONSULTATION



كونكورد للهندسة والمقاولات
18-Jan-25

المقاول:
التاريخ:

إسم المشروع: أوجيس-
المالك: جهاز مستقبل مصر للتنمية المستدامة
إدارة المشروع: كيوب للإستشارات الهندسية CUBE

MATERIAL TRANSMITTAL MT حافظة اعتماد عينة / مواد

SUR STR ARCH ELEC **MECH** GENERAL

رقم الصادر: EF-CON-CUBE-MT-MECH-029
رقم الاصدار: REV. 00

إلى: كيوب للإستشارات الهندسية CUBE من: كونكورد للهندسة والمقاولات
رقم العقد:

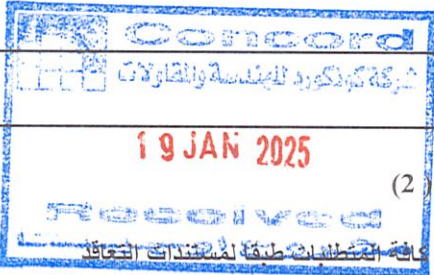
الرد / التقييم	عدد النسخ	العينة	المصنع / المورد	رقم الإصدار	وصف البند	الرقم
المهندس الاستشاري		رقم الكتالوج / الخ ...			إسم/ نوعية العينة، الأبعاد، السعة، الاستخدام ... إلخ	
بمعرفة						
B	1	Company profile	KIRMARY	0	(KIRMARY) For (Grooved Fittings & Threaded Fittings) - Mech & Lede	1
						2
						3
						4
						5

هذا إقرار من المقاول بأن جميع المستندات المقدمة قد تم فحصها بمعرفته، وهي مطابقة للمواصفات ومتماشية مع بنود ومستندات العقد ما عدا التالي:

المقاول: *إيه ال ربح*
الاسم والتوقيع:

ملاحظات الاستلام:

لصفاً للخطاب الوارد من مكتب التصميم بتاريخ 2025-10-12
مع تقديم عينة للاعتماد مع عمل الاختبار اللازم على ان يكون الاعتماد النهائي بعد تقديم العينة.



إلى: كونكورد للهندسة والمقاولات
من: كيوب للإستشارات الهندسية CUBE
التاريخ:

ملاحظات عامة:

تعريف بدرجات التقييم:

- يتم استكمال الأعمال في حالة أن يكون التقييم (1) أو (2)
- التحقق من الكميات يتم بمعرفة المقاول
- هذا الفحص لا يعفي المقاول من مسؤوليته تجاه مطابقة كافة المستندات طبقاً لمستندات التعاقد

- لا توجد ملاحظات
- يتم تنفيذ الملاحظات ✓
- يعاد التقديم بعد اتمام الملاحظات
- غير مقبول

المهندس الاستشاري

أحمد 20-10-19



قاعدة محمد نجيب العسكرية
أعمال تنفيذ مشروع مركز البيانات التبادلي

طلب اعتماد مواد

المالك: الهيئة الهندسية للقوات المسلحة	الاستشاري: شاكر
مقدم من: HA Technologies	موجه إلى: مدير المشروع
قسم المشتريات:	أسم وتوقيع المستلم: مهندس:
بتاريخ: 31/12/2019	بتاريخ: 31/12/2019

إصدار رقم: 00

رقم النموذج: HAT-DC-110-MN-MECH-F.F-005

بدل	حسب مستندات التعاقد	عنوان النموذج: LEDE GROOVED FITTINGS UL & FM For Firefighting Works
رمز المقايسة	رمز المواصفات	المصنع/بلد الصنع
	Section 15310	(KIRMARY)
ممسلسل	عدد النسخ	البيان/ الوصف
1	1	LEDE GROOVED FITTINGS UL & FM for Firefighting Works + Sample Board

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ: 200 / /
------------------	------------------	----------	-----------------

الملاحظات

Accepted.

Certification of origin and test of factory for Grooved fitting will be used on project

Selection of each compound will be used in the project for approval

2020/1/1

ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى

أ = معتمد

د = الطلب مرفوض ويعاد التقديم مرة أخرى

ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات

اعتماد الاستشاري	م/	بتاريخ: 200 / /
استلام المقاول	الاستلام بواسطة	بتاريخ: 200 / /

التوزيع قبل الاعتماد: التوزيع بعد الاعتماد

No.	المالك	الاستشاري	المالك	المقاول	الاستشاري			
					مدني	معماري	كهرباء	تكيف
					ميكانيكا	تخطيط	Q.S	

30/Oct/19

التاريخ

إصدار رقم:

2607-FF-MECH-MAT-034

ممسلسل

إنشاء مبنى البنك التجاري الدولي CIB بالحي المالي بالعاصمة الإدارية

موضوع:

2607

رقم المشروع:

البنك التجاري الدولي CIB

المالك:

جماعة المهندسين الاستشاريين و مجموعة شاكر الاستشارية

الاستشاري العام:

حسن علام للإنشاءات

المقاول العام:

الوصف: طلب اعتماد مواد ميكانيكا

مكان الاستخدام / المبنى: البنك التجاري الدولي CIB		عينة	طبقا للقائمة المعتمدة	طريق
نوع الأعمال	ميكانيكا	كهربية	إشعاعي	مساحة
مواد موردة بالموقع	أقتراج جديدة	أخرى	أخرى	أخرى
بند رقم: من بجدول الكميات				
رقم الموصوفة: 15101				
رقم البند:				
KIRMARY				
LEDE				
المرفقات:				
- عدد (311) ورقة A4				
- عدد (1) CD				
- عدد (1) Sample board				
- عينات				
- كتالوجات				
- مواصفات				
- بيانات فنية				
- بنود ملحقة				
Grooved Fittings.				
30/Oct/19				
التوقيع				
م/ طارق أبو النور				
التوقيع				
م/ وليد محرم				
التوقيع				
م/ محمد نصار				
مدير المكتب الفني للمقاول				
مدير التركيبات				
مدير المشروع				
مستند (أ)				
مستند بملاحظات (ب)				
يعاد التقديم لاستيفاء الملاحظات (ج)				
مرفوض ولا يعاد التقديم مرة أخرى (د)				
قرار المهندس الاستشاري				
التعليق:				
Refer to Comments on the attached "A4" Sheet.				
SHAKER CONSULTANCY GROUP Project CIB				
إستلام الإستشاري				
إستلام المقاول				
إستلام المالك				

MARK

10-11-2019

Commercial International Bank of Egypt

Comments:

1. Certificate of origin as well as packing list shall be included in each MIR.
2. Only Flanges / Adaptor flanges of Class 150 is accepted.
3. Sample could be taken of each supplied patch to go through the following tests by an approved third party.
 - a. Tension test for Fittings/couplings as per ASTM A536.
 - b. Tension test for bolts as per ASTM A183.
 - c. Seal ability, tension & hardness tests for gasket as per ASTM F37-06, ASTM D 412, & ASTM D2240.

End of Comments





MATERIAL SUBMITTAL (MS)



Project Name: Magdi Yacoub Global Heart Centre - Cairo

Project No. : 1214-01

Employer : Magdi Yacoub Heart Foundation

Project Manager/Site Supervision Consultant "Engineer": EHAFC Consulting Engineers

Package : Main Works

Phase : Phase 2

Contractor: Orascom Construction

From : Orascom Construction

Date : 14-Sep-2021

To : EHAFC Consulting Engineers

Submittal Ref.: 1214-01-MS-ORASCOM-EHAF-MECH-21-030-00

Attn. : Eng. Neville Clayson

- Previous Ref.:

Subject : Galvanized grooved fittings for dry fire system

Welding outlet fittings



Material/ Equipment for Approval:

Description: : Galvanized grooved fittings for dry fire system

Welding outlet fittings

Specification Reference : 211200 – 211313 - 211316

Quantity : 2

Bill of Quantities Reference : N.A

Manufacturer's Details:

Manufacturer : LEDE

Model Number : -----

Serial number : -----

Date of arrival on site: -----

Country of Origin: China

Certificate of origin: -----

Bill of lading : -----

Storage Location: Orascom site

Contractor
Ramzy Srouji
Authorized Representative

Action Code Legend:

(A) Approved

(B) Approved as Noted

(C) Revise and Resubmit

(D) Rejected

Notes :

- Production, supply and /or implementation shall proceed only when action code is A / or B.
- Regarding action code C, resubmittal shall be within the limit set in the contract.
- Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents.
- If rejected please see comments.

Project Manager/Site Supervision Consultant "Engineer" Comments:

Inspection Report:

- Physical damage?
- Details given above correct?
- Conforms with approved submission?
- Accessories / Spare parts included?

Yes/No

Initials Inspector

Engineer



Remarks : -----

Project Manager/Site Supervision Consultant "Engineer" Remarks:

Refer to the attached comments

Actions required from Contractor :

Attachments: 1 x A4



Hard Copy



Soft Copy (CD)

Project Manager/Site Supervision Consultant "Engineer"
Authorized representative

Employer's Representative Comments (if required) :

Employer
Authorized representative

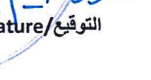
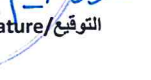
Owner/ المالك قياده المنطقة الشماليه العسكريه	Consultant/ الاستشاري 	Contractor/ المقاول 
--	---	---

Contract No/العقد رقم	Project : 5830/المشروع
------------------------------	-------------------------------

MATERIALS SUBMITTAL REQUEST/ طلب إعتاماد مواد

Date/التاريخ 2-Jun-22	REV. NO: 00/رقم المراجعة	5830-TA-MAR-ME-0128	رقم الطلب
BOQ Item No/رقم البند		Section: Mech/القسم	

Notes/ملاحظات	Attachments / المرفقات	Supplier / الشركة المنتجة	Description/البيان	SN/م
2 نسخة	DATA SHEET	LEDE	GROOVED COUPLING EXPANSION JOINT	1

Date/التاريخ Signature/التوقيع 	Position/الصفة Signature/التوقيع 	Date/التاريخ Signature/التوقيع 	Date/التاريخ Signature/التوقيع 	Position/الصفة Signature/التوقيع 	Date/التاريخ Signature/التوقيع 
--	--	--	--	--	--

PROVED AS NOTED ☐ معتمد بملاحظات	A-APPROVED ☐ أ - معتمد
D-REJECTED ☐ د - مرفوض	C-REVISE & RESUBMIT ☐ ج - يراجع ويعد تقديمه

APPROVAL COMMENTS/نص الإعتاماد

- يتم عمل البسات اللازمه طرقت عدد القطع اللازمه التركيب عند كل فاصل انشائي لتجنب الجريد
 - قبل التوريد
 - يتم التركيب وفقاً لطريقه التركيب المرفقه
 - يتم تقديم شهادات البسات عند التوريد



Date/التاريخ Signature/التوقيع Position/الصفة Name/الاسم	Date/التاريخ Signature/التوقيع Position/الصفة Name/الاسم	Date/التاريخ Signature/التوقيع Position/الصفة Name/الاسم	Date/التاريخ Signature/التوقيع Position/الصفة Name/الاسم
---	---	---	---

SUPPLIER'S DOCUMENT FRONT SHEET

For A3 / A4 Document Only

PROJECT TITLE : HVAC System - Gasco WESTERN DESERT GAS COMPLEX "TRAIN D"

PROJECT No. : 5072-200

PURCHASE ORDER No. : 5072-200-164-06-1-59

SUPPLIER NAME : The Egyptian Company for Energy and Cooling Projects (Gas Cool)

EQUIPMENT / PACKAGE DESCRIPTION :

EQUIPMENT / PACKAGE TAG No. :

DOCUMENT CODE IDENTIFICATION : G15

DOCUMENT TYPE :

DOCUMENT TITLE : Concession Request (Coupling)

SUPPLIER OWN DOCUMENT NUMBER (ORIGINAL)	Rev.	Date	Authorized Supplier Name	Signature
	0		Eng. Maged Samir	Isaeed
5072-200-164-06-1-Q-G15-0015				

SUPPLIER DOCUMENT NUMBER (As per the SDR)	TOTAL No. OF PAGES	REVISION No.
5072-200-164-06-1-Q-G15-0015	1	0

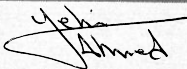
PURCHASER REVIEW OF SUPPLIER DOCUMENT

Permission to proceed does not constitute acceptance or Approval of design details, calculations, test methods of materials developed or selected by the Supplier and does not relive the Supplier from full compliance with full contractual or other obligations.

PURCHASER REVIEW CODE

- ☒ 1. WORK MAY PROCEED.
- ☐ 2. REVISE AND RESUBMIT, WORK MAY PROCEED SUBJECT TO INCORPORATION OF COMMENTS AND CHANGES INDICATED.
- ☐ 3. REVISE AND RESUBMIT, WORK MAY NOT PROCEED.
- ☐ 4. REVIEW IS NOT REQUIRED, WORK MAY PROCEED.
- ☐ H. THE DOCUMENT IS ON HOLD AS INDICATED AND HAS TO BE RE-SUBMITTED FOR REVIEW.

PURCHASER APPROVAL

NAME : Yehia Ahmed SIGNATURE :  DATE : 24-03-2024

SUPPLIER / SUB-CONTRACTOR CONCESSION REQUEST

SECTION (I) – BY SUPPLIER / SUB-CONTRACTOR

CONCESSION REQUEST No: 15	REVISION: 0
MR / SUB-CONTRACT REF No:	ITEM No:
PACKAGE/TITLE DESCRIPTION: Train – D	
SUPPLIER / SUB-CONTRACTOR NAME: The Egyptian Company for Energy and Cooling Projects (GAS COOL)	
CONTACT ADDRESS:	TELEPHONE No FAX No
33 Abdulrazik El Sanhoury St. off Makram Ebied Nasr City - Cairo - Egypt	(+202) 23492231 (+202) 23492239 02/23492234

DETAILS OF CONCESSION REQUESTED ATTACH CONTINUATION SHEETS IF NECESSARY:

CONTINUATION SHEETS ATTACHED

POSSIBLE IMPACT:

☐ COST IMPACT ☐ SCHEDULE IMPACT ☐ QUALITY IMPACT ☐ HSE IMPACT ☒ OTHERS

REQUESTED BY	TITLE	SIGNATURE	DATE
Eng. Maged Samir	Project Manager		18-02-2024

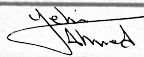
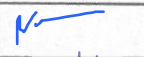
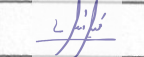
SECTION (II) – ACCEPTANCE BY ENPPI

RESPONSE TO CONCESSION REQUEST: ☒ ACCEPTED (SUPPLIER TO PROCEED)

☐ ACCEPTED WITH COMMENTS (SUPPLIER / SUB-CONTRACTOR TO ISSUE REVISED CONCESSION REQUEST)

☐ REJECTED (SUPPLIER TO STOP)

REMARKS:

TITLE	NAME	SIGNATURE	DATE
ORIGINATOR :	Yehia Ahmed		24-03-2024
PROJECT ENGINEERING MGR. (PEM):	Nadia El-Sayed		25-03-2024
PROJECT MANAGER (PM) :	Moner Mousa		25-03-2024
CUSTOMER (IF APPLICABLE) :	Mohamed Bassiony		

		Consolidated Consultants			
Project : SAJA Farma Project					
From Contractor MEP :		To Consultant:		Consolidated Consultants	
Project Manager MEP :		Project Manager :		Mr. Mohamed M. El-Masry	
MEP Submittal					
Submitted For					
☐ Fire Fighting		☐ Plumbing		☐ HVAC	
☐ Other					
No.		SAJA.SUB.FF.18.00		REV	
Issue Date		19/2019		00	
Subject		Grooved fittings			
Manufacturer		LEDE		Location: China	
Supplier		Kirmary		Location: Al-Khankah - Cairo	
Attachment		1 Catalogue 2 copy + Soft Copy			
Item no	Description				Notes
1	Grooved fittings				
Contractor MEP Engineer			Contractor Project Manager		
Consultant Receiving By		Date		Signature / Stamp	
Consultant Response					
Supply and installation should be as per Specs, B.O.C and all standard codes					
☒ Approved ☐ Rejected					
Consultant Response		Date		Signature / Stamp	
Contractor Receiving By		Date		Signature / Stamp	

APPROVED 26 SEP 2019



محضر اعتماد عينة
Sample Inspection Report

R3/D3-Mixed Use : المنطقة / Zone				اسم المشروع : عمارات الإسكان المختلط (الحى السكنى الثالث) المجاورة الثالثة	
Type of work / نوع الأعمال				الشركة الهندسية للإنشاء والتعمير - CRC	
ميكانيكا .Mech	عزل ISO	كهرباء .Elec	تشطيبات Finishing	إعتمادى Civil	المقاول/Contractor
رقم الطلب/request No :			تاريخ الطلب/Request Date		رقم البند/Items No :
CNC03-CRC-UDC-SAR-037		REV.00	26-02-19		
اسم المورد/Supplier Name :				وصف المواد / Description Material	
KIRMARY		شركة		قطع التوصيل ال (groove) لمواسير السيمليس LEDE حاصلة على UL-FM	
المرفقات / Attach :					
بيانات فنية + عينة					
بند المواصفات / Specifications					
اجتمعت اللجنة بحضور كل من :					
م. محمد سليمان		رئيس اللجنة		م. احمد العربى	
م. خالد الدالى		عضو اللجنة - عن مكتب الاستشارى		م. محمد قرج مروان	
م. محمد الديب		عضو اللجنة - عن مكتب الاستشارى		م. محمد كمال	
م. اشرف خيرى		عضو اللجنة - عن الشركة الهندسية للإنشاء والتعمير		م. عبدالرحمن فتحى	
التاريخ الاستلام / Date Receive :				التقييم / Evaluation	
D	مرفوض Rejected	C	يعاد التقديم Resubmit	B	معتد بشروط Approved as noted
				A	معتد Approved
المستلم / Receiver :					

القرار والتوصيات / Recommendation :

براماً آخذ عيانه عند التوريد لهدر اختياره على يدى



التوقيعات :

2 - محمد قرج مروان

4 - محمد كمال

6 - اشرف خيرى

1 - م. احمد العربى

3 - م. خالد الدالى

5 - م. محمد الديب

7 - م. عبد الرحمن فتحى

يعتمد السيد نائب رئيس الجهاز



5 +
UDC

HASSAN ALLAM

SHAKER
CONSULTANCY GROUP

Owner:- هيئة المرافق العامة

Project:- El Mansoura -2

Zone_1

TRANSMITTAL

TRANSMITTAL No. :	HAC - Splus -MEP -Z1-0772	DATE:	10-Oct-2019	REV:	0
-------------------	---------------------------	-------	-------------	------	---

TO: 5+ UDC Consultant Resident Engineer
ATTN: Eng. Mostafa Abd Allah
Resident Engineer

WE ARE SENDING:		SUBMITTED FOR:	ACTION TAKEN:
☐ Letter (L)	☐ Report (RP)	☐ Approval	☐ Approved as Submitted
☒ Material Data Sheet (MAS)	☐ Prequalification (PQ)	☐ Your Use	☒ Approved as Noted
☐ Drawings (DW)	☐ Request For Info. (RFI)	☐ As Requested	☐ Submit
☐ Time Schedule (SCH)	☐ Shop Drawing (SD)	☐ Review and Comment	☐ Resubmit
☐ Payment Certificate (INV)	☐ QA/QC Document (QC)	☐ For Information	☐ Returned
☐ Material/Sample Inspection (MIR)	☐ Quantity Survey (QS)	SENT VIA:	☐ Returned for Approval
☐ Specifications	☐ Safety/Environment	☒ Attached	☐ Returned for Correction
☐ Other:		☐ Separate Cover / Mail	☐ Due Date: 17-Oct-2019

Attached Documents Subject:

Attachments:

HAC-Splus -Z1- MAS-0228

Grooved Coupling
- LEDE -

Dear Sir ,
Please Find the enclosed Documents for the above mention Subject .
3 Sets of Hard Copies

Best Regards

HAC MAIN Contractor

DATE: 10-Oct-2019

Eng. Mostafa Morsy

Project Manager

Splus Consultant

DATE: 10-Oct-2019

Eng. Mostafa Abd Allah

Resident Engineer

Code B as Noted
16/10

Owner:- هيئة المرافق العامة

Project:- El Mansora -2

Document Submittal Sheet

Civil ☐ Mechanical ☒ Electrical ☐ Plumbing ☐ HVAC ☐ Other ☐

Subject: Grooved Coupling
- LEDE -

Submittal No.: HAC-5plus -Z1- MAS-0228

Rev.: 0

Date: 10-Oct-2019

From: HAC - Project Manager

To: 5Plus - Site Manager

Submittal	Code
For Erection	1
For Information	2
For Quotation	3
For Approval	4

WE ARE FORWARDING HERewith UNDER SEPARATE COVER, THE DRAWINGS/DOCUMENTS/SAMPLES LISTED BELOW

ITEM	COPIES	SPECS. REF	DESCRIPTION	REV.	TYPE	ENGINEER ACTION	
						Submittal Status	Code
1	A4		Grooved Coupling - LEDE -	0	MAS	4	B

HAC MAIN Contractor
Eng. Mostafa Morsy

DATE: 10-Oct-2019

Project Manager

ENGINEER REMARKS:

- Approved as manufacture.
- Installation shall be as per NFPA and method of installation
- Installation shall be supervised and approved according to manufacture recommendations
- Certificate of origin to be provided

approved as noted
Code B
18/10

5plus Consultant
Eng. Mostafa Abd Allah

Resident Engineer

DATE: 10-Oct-2019

ACTION CODE TO BE ENTERED BY ENGINEER		TYPE:	
Approved	A	OT	Other
Approved As Noted	B	SA	Sample
Resubmit	C	SD	Shop Drawing
Rejected	D	SK	Sketch
		WD	Working Drawing

5+ تم تسليمه 5+ 10/10/19

19 / 10 / 17

OC Orascom Construction 	Project New Capital (NN1, COC, CCC) Material /Sample Approval	AFEA Armed Forces Engineering Authority ACUD ADMINISTRATIVE CAPITAL FOR URBAN DEVELOPMENT العاصمة الإدارية للتنمية العمرانية Administrative Capital for Urban Development			
Number: OC-MA-GEN-00-7004	REV 02	Date: January 13, 2019	Num. Of Pages : 1 + 215 A4		
Area / Location:		Project: NN1, COC, CCC			
Item used:					
Discipline:					
Structure ☐	Mechanical ☒	Architecture ☐	Electrical ☐		
Description:					
Grooved steel fitting for firefighting by LEDE					
References:					
SECTION 15310-PIPING AND FITTING MATERIAL					
Attachments:					
1- Catalogues 2- Approvals 3- Specification 4- Compliance Sheet					
Attachments :					
01-Data sheet 02-Manufacturer certificate 03-calibration certificate 04-Free sample 05- Color Chart		06-Copy of standards 07-Copy ref. DWG/specifications 08-Sketch / As built 09-Test Results 10-CDs 11-Catalogues			
Delivery : Country of origin : Local Manufactured ☐ Overseas ☒					
For Contractor: Name: Bassem Moawad Consultant Review:					
Date: <u>13/01/19</u> Date:					
Results:					
The client / consultant has inspected this submittal with all its contents and the result is:					
Ser. No	Item Description	Status			
1	Grooved steel fitting for firefighting by LEDE	(A)	(B) ☒	(C)	(D)
Note: *Approved as manufacture. *All approval and origin certificate shall be provided. * Sample material shall be provided					
Legend: (A): Approved (B): Approved with comments (C): Revise and Re-Submitt (D): Rejected:					
Signature :	ACUD			Date:	



LD-01

المالك: وزارة الإسكان و المرافق و المجتمعات العمرانية

(Submittal)

طلب اعتماد مستندات

إلى الإستشاري :-		جماعة المهندسين الإستشاريين		من المقاتل العام :		اوراسكوم	
رقم الطلب		LD01-OC-ECG-MD-ME-0688		الإصدار		0	
الموضوع		Lede Grooved fitting for Fire & plumbing		المرفقات		1 Sample	
المنطقة		كامل المشروع		البرج		النموذج	
نوع الاعمال		إنشائي		معماري		كهرباء	
						ميكانيكا	
						مساحة	
						اخرى	
م		البيان / الوصف					
1		1-Lede Grooved fitting for Fire 2-Lede Grooved fitting for plumbing 3-Sample					
عدد النسخ		2					

تعهد المقاول: المستندات المرفقة تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في المشروع من قبل المقاول

المقاول		مدير الجودة		مدير المكتب الفني	
استلام الإستشارى		بواسطة		التوقيع	
بالتاريخ		26/11/2019		Emet M. Wissa	

ملحقات الاستشاري

- L&P is approved brand for fire lighting & plumbing grooved fittings as per approved vendors list, compliance sheet should be provided item by item for both fire & plumbing specs.
- Letter of country of origin should be provided.
- Item selection shall comply with approved BOR, specs & (design or shop) drawings according to project requirements.

5/2/2019 بتاريخ: التوقيع: الإتماد بواسطة: الاستشاري المختص

☐ أ معتمد
☒ ب معتمد مع ملاحظات - يمكن للمقاول ان يستمر بناءا على الملاحظات
☐ ج يعاد التقديم مرة اخرى بعد اتمام الملاحظات
☐ د الطالب مرفوض

اعتماد الإستشارى	م/.....	بتاريخ/...../.....
استلام المفاوض	الإستلام بواسطة :	بتاريخ/...../.....

TYPE : SD:Shop Drawing CA:Calculation SM:Sample MS:Method Statement GT:Guarantee TF:Temporary Facilities MD:Manufacturer's Data
OT:Other CT:Certificates TT: Test Results

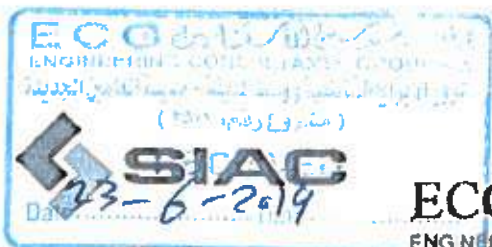
التوزيع قبل الاعتماد :

المالك :	الإستشاري :
----------	-------------

التوزيع بعد الاعتماد :

الإستـ					المقاول	المالك
مبنى	معمار	كهرباء	تكييف	ميكانيكا	تخطيط	O.S





مشروع أبراج مدينة العلمين الجديدة
قطعة أرض رقم (LD-07)

وزارة الإسكان والمرافق والتنمية العمرانية
مصلحة التخطيط العمراني والبيئة



الشركة الهندسية للصناعات والتشييد
(م.ب.ك)

ECG
ENGINEERING CONSULTANTS GROUP SA
جامعة المهندسين الاستشاريين
(ECG)

وزارة الإسكان والمرافق والتنمية العمرانية
هيئة المجتمعات العمرانية الجديدة - جهاز مدينة العلمين الجديدة

طلب اعتماد مواء

من المقاول العام:		الشركة الهندسية للصناعات والتشييد (م.ب.ك)		إلى الاستشاري:		جامعة المهندسين الاستشاريين (ECG)	
رقم الطلب	SIAC/LD-07/MAT/190	الإصدار	Rev.00	التاريخ	٢٠١٩/٠٦/٢٢	رقم الطلب	٢٠١٩/٠٦/٢٢
الموضوع	Grooved Fitting For Fire Fighting System	المرفقات	Sample + Catalogue + CD				
نوع الاعمال	إنشائي	معماري	كهرباء	ميكانيكا	مساحة	أخرى	أخرى
م	البيان / الوصف	عدد النسخ	المصنع / بلد المصنع	رمز المرافقات	رمز المقايضة		
١	Grooved Fitting For Fire Fighting System (LEDE)	١	LEDE/ CHINA				

تعهد المقاول: المستندات المرفقة تعتبر ملزمة للاستخدام في المشروع من قبل المقاول.

مدير المشروع	مدير المكتب الفني	By: [Signature]	Date: 4/7/19
--------------	-------------------	-----------------	--------------

ملاحظات الاستشاري:

- All Fitting Must be UL & FM Stamped and Certificate to be provided.
- Test Certificate for Gasket Mechanical Properties to be provided at least 1.5 working pressure for FM System.
- Warranty shall be extended to 15 year.
- Installation Must be as per Manufacturer Instructions.

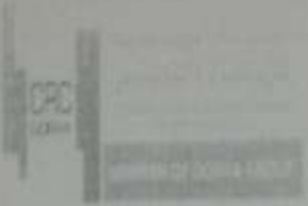
الإستشاري المختص (ECG)	الاعتماد بواسطة:	التوقيع:	التاريخ:
------------------------	------------------	----------	----------

معتمد ☐ معتمد مع ملاحظات - يمكن للمقاول ان يستمر بتأدية عمل الملاحظات ☒ بعد التقديم مرة أخرى بعد اتمام الملاحظات ☐ العطب مرفوض ☐ ج

اعتماد الاستشاري	الاعتماد بواسطة:	التوقيع:	التاريخ:
اعتماد المالك إن لزم الأمر	الاعتماد بواسطة:	التوقيع:	التاريخ:
استلام المقاول	بواسطة:	التوقيع:	التاريخ:

التوزيع بعد الاعتماد:	المالك	جهاز مدينة العلمين الجديدة
الإستشاري	معماري	كهرباء
ميكانيكا	تخطيط	Q.S





Material Approved Submittal

طلب اعتماد مواد

الى الاستشاري :-	جماعة المهندسين الاستشاريين ECG	من المقاول العام :	الشركة الهندسية للإنشاء والتعمير
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رقم الطلب	CRC/ECG/LD05/MAR/MEC/080	الإصدار	00	التاريخ	27-01-2019
الموضوع	Cast Iron Grooved Fittings for Fir Fighting - LEDE BY KIRMARY				
نوع الاعمال	إنشائي	معماري	كهرباء	ميكانيكا	مساحة

م	البيان / الوصف	عدد التسليم	المصنع / بلد المنشأ	رمز المواصفات	رمز المقايمة
1	Cast Iron Grooved Fittings for Fir Fighting - LEDE BY KIRMARY	3	KIRMARY	15310	FF-B0Q

تعهد المقاول: المستندات المرفقة تنسبها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في المشروع من قبل المقاول

المقاول	مدير قسم الكهرباء وميكانيكا م/ محمد عبد الجليل	مدير المكتب الفني م/ فادي عادل	مدير المشروع م/ حمدي توفيق
التوقيع / التاريخ			

استلام الاستشاري	بواسطة	التوقيع	29-1-1984
------------------	--------	---------	-----------

ملاحظات الاستشاري
LEDE is approved brand for fire fighting grooved fittings as per approved vendor list
for sizes of 65 mm & larger.
- Letter of country of origin should be provided upon delivery.
- Item selection shall comply with approved spec's, BOM & design or shop drawing according to project
requirements, delivery shall be as per provided sample & random selection shall be tested as per site engineer
instructions shall be as per provided instructions shall be submitted upon delivery to site engineer.

الاستشاري المختص	الاعتماد بواسطة	التوقيع	29-1-1984
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معتد مع ملاحظات - يمكن للمقاول ان يستمر ببناء على الملاحظات
معتد
بعد التقديم مرة اخرى بعد التمام للملاحظات
الطلب مرفوض

اعتماد الاستشاري	م/	تاريخ	/...../.....
استلام المقاول	الاستلام بواسطة	تاريخ	/...../.....

التوزيع قبل الاعتماد:

الاستشاري:	الاستشاري:
------------	------------

التوزيع بعد الاعتماد:

المالك	الاستشاري	المقاول
مديني	معماري	معماري
كهرباء	تخطيط	تخطيط
ميكانيكا	ميكانيكا	ميكانيكا
Q.S	Q.S	Q.S



وزارة الدفاع
إدارة المهندسين العسكريين
مشروع ١١٠

REF: P110-MA-MEP-000228

التاريخ: ٢٠١٨/٠٩/٠٥

لجنة اعتماد مواد

رقم الطلب:	تاريخ الطلب:	مقدم من شركة : سامكرت
☐ DATA SHEET	☐ CATALOGUES	☐ SAMPLE
☐ CERTIFICATES	☐	☐

إلى جميع الشركات والمكاتب الاستشارية

تم اعتماد العينة الآتية :

وصف العينة : قطع توصيل مواسير مجلفنة لمياة الشرب

إنتاج شركة : LEDE

NO	MANUFACTURE	NAME
1	LEDE	قطع توصيل مواسير مجلفنة لمياة الشرب

• نحيطكم علما أنه لا مانع من قبول العينة مع عمل الاختبارات الآتية عليها وتقديمها مرده أخرى للاعتماد مع شهادات هذه الاختبارات :-

١ - بالنسبة للـ (BRAND:- LEDE) GROVED ELBO - جلفنة (INCO STEEL)

٢ - بالنسبة للجلفنة (HOT DEEP GALVANIZED - ASTM A 90 - A90M // ASTM A123 - A123M) لقياس درجة الجلفنة و درجة السمية لمادة الجلفنة

• علي ان يكون سمك الجلفنة لا يقل عن ٧٥ ميكرون مع مراعاة ما جاء في ASTM A123-A123M

رئيس لجنة الاعتماد

عقيد / محمد جمال سلطان

عضو (٢)

التوقيع

ملازم أ / محمد المرساوي

عضو (١)

التوقيع

نقيب / احمد عايدى رمضان

تعليمات: في حالة استخدام الشركات مواد غير معتمدة من المكتب الفني سيتم مصادرتها وإتلافها

التاريخ: ٠٣ سبتمبر - ٢٠١٨

المشروع: ال ١١٠ الحربي

المسلسل: 1119/S/AR/2018

الموضوع: اعتماد العرض الفني

السادة / المكتب الفني (ادارة المهندسين العسكريين)

تحية طيبة وبعد-

بالإشارة إلى الموضوع عالية وإلى خطاب سيادتكم رقم P110-ME-MEP-SC-01083 بتاريخ ٢٠١٨/٠٨/١٣، المقدم من شركة سامكرت بخصوص اعتماد العرض الفني فيما يخص قطع توصيل مواسير مجلفنة لمياه الشرب ماركة LEDE.

نحنيطكم علما أنه لا مانع من قبول العينة مع عمل الاختبارات الاتية عليها وتقديمها مرة أخرى للاعتماد مع شهادات هذه الاختبارات:-

• بالنسبة لـ (BRAND:- LEDE) GROVED ELBO - جلفنة (INCO STEEL)

• بالنسبة للجلفنة (Hot deep galvanized -ASTM A90-A90M // ASTM A123-A123M)

لقياس درجه الجلفنة ودرجه السمية لماده الجلفنة

* على ان يكون سمك الجلفنة لا يقل عن ٧٥ ميكرون مع مراعاة ما جاء في ASTM A123-A123M

وتفضلوا بقبول فائق الاحترام،،،

مدير ادارة الأعمال الكهروميكانيكية
بالمشروع
م / مصطفى عبدالمجيد



مدير المكتب الفني للأعمال الكهروميكانيكية

بالمشروع

م/إسماعيل رشاد



صورة إلى: السيد العميد/ وليد هلال
صورة إلى: السيد المهندس/ أحمد شاهين (مدير عام مشروع ١١٠ ضيبور)

¹ *Journal of the American Statistical Association*, 1997, 92, 1039-1051.



طلب اعتماد مواد

رقم النموذج: MAT-MECH-FF-HAT-DCP-004

الطلب مقبول طبقاً للملاحظات المرفقة وكذا يتم عمل فرز كامل لكل الشحنات المعروضة وأخذ عينات عشوائية لعمل التحاليل والاختبارات اللازمة.

28/11/2018

Owner : Ministry of Defense - Power Section

Consultant : Shaker Consulting

General Contractor : Orascom Construction Industries



Material Submittal Form (MSF)

☐ Architectural ☐ Civil ☐ Structural ☐ Electrical ☐ HVAC ☒ Plumbing & Fire ☐ Others

NUMBER : P418-OC -PS - MS -Mech- 047

DATE : 26/2/2018

☒ Catalogues ☒ Samples ☒ Prequalifications ☒ Certificates ☒ Data sheets

Material Description

Grooved Fittings

Grooved Fittings - LEDE

Drawing/Spec/BOQ Ref

Country of Origin

China

LEDE

Supplier

Kirmary/ Approved Equal

Submitted By :

Mech. Material Team Ledar

Eng : Marco Magdy



Material Manager

Eng : Baher Lotfy

Consultant

☐ Approved ☒ Approved as noted ☐ Revise & Resubmit ☐ Reject

Comment :

الطلب مقبول طبقاً للمواصفات المرفقة وكذا يتم عمل
فزر كامل لكل العينات الموردة وأخذ عينات عشوائية
لعمل التحاليل والاختبارات اللازمة.

5/14/2018





Owner:- Authority of Puplic Utilites
 Project:- El Mansoura - 1

المالك : هيئة المرافق العامة
 مشروع : المنصورة (1)

Material Approval Submittal

Civil ☐ Architect ☐ Electrical ☐ Plumbing ☐ HVAC ☐ Fire Fighting ☒

Subject: Grooved Fittings & Couplings
 From: HAC Project Manager
 To: 5+ UDC Resident Engineer

Submittal No.: HAC-5plus-MAS-FF-0002
 Date: 19/Aug/2017
 Rev.: 0

Submittal	Code
For Approval	1
For Information	2
For Quotation	3
For Erection	4

WE ARE FORWARDING HERewith UNDER MATERIAL LISTED BELOW

NO.	PAGE	SPECS. REF	DESCRIPTION	REV.	TYPE	ENGINEER ACTION	
						Submittal Status	Code
1			Grooved Fittings & Couplings Supplier: Kimmary Manufacture: LEDE Sample Catalogue & Data Sheet	0	SA CT	1	(B) PBE RESUB NOT

NAME - HAC - Technical Manager - Eng. Reham El-Shafei
 NAME - HAC - Project Director : Eng. Hamdi Swilam

SIGNED: _____
 SIGNED: _____

DATE: 19/Aug/2017
 DATE: 19/Aug/2017

ENGINEER REMARKS: 1- Contractor to provide mark-up for models should be used at site
 2- Contractor to provide another resubmittal after mark-up all models should be used
 3- The manufacturer approval

ACTION CODE TO BE ENTERED BY ENGINEER		TYPE:	
Approved	A	OT	Other
Approved As Noted	B	SA	Sample
Resubmit	C	DT	Data Sheet
Rejected	D	SK	Sketch
		CT	Catalogue

CC:



الاستشاري العام



AL MANSOURA 4

PROJECT

طلب اعتماد مواد (MS)

HASSAN ALLAM
CONSULTING

حسن علام للاستشارات
المقاول العام

HASSAN ALLAM
CONSULTING

حسن علام لتكنولوجيا
المقاول MEP

اسم المشروع: AL MANSOURA 4

المالك: الاستشاري العام الجليلي معماريون

الاستشاري المختص:

المقاول: حسن علام لتكنولوجيا

رقم التعديل: 00
رقم الطلب: MECH-008
التاريخ: 08/10/2017

المرجع:

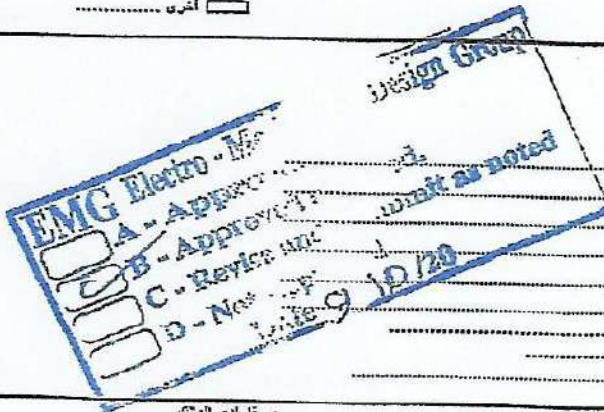
ملاحظات:

نوعية النشاط:

- ☐ مقنن أو تشريع
☐ معماري
☐ ميكانيكي
☐ كهربائي
☐ أخرى

- ☐ عتبات
☐ التفتيش الأمامي
☐ بيان مقارنة المواصفات
☐ شهادات الضمان والاختبارات
☐ وثائق أخرى

وصف المادة: Grooved Fittings & Copling



الموقع/المنطقة: Main buildings Annex & Villages

مراجع الوثائق: MECHANICAL

مراجع المواصفات:

التصنيف / المورد: LEDE Manufacturer

اسم الشركة: Supplier: Kirmary

رقم الملف:

التاريخ:

التاريخ:

مدة الإنتاج:

إجمالي وقت التوريد:

التاريخ المتوقع للتوريد بالموعد:

تقديم طلبات العمل:

استلام مدين المشروع:

استلام الاستشاري:

ملاحظات الاستشاري/مدير المشروع:

must be LEDE ULFM

Handwritten signature and notes

Handwritten signature and notes

Handwritten signature and notes

Handwritten signature and notes

A مستند ☐

B ملاحظات ☒

المطلوب:

عناكب

شهادة الاختبارات

المواصفات الأصلية

شهادات الضمان

معلومات إضافية أخرى

C راجع ويعد تقديمه قبل التوريد

D غير مستند ☐

 مكتب المهندسين الاستشاري حسين صبور الإستشاري العام و المشرف علي التنفيذ	مشروع المنصورة (5) طلب اعتماد مواد	 HASSAN ALLAM TECHNOLOGIES
--	---	--

التاريخ : 28/08/2017
رقم الطلب : 3
رقم البند : 00

المشروع : Mansoura (5)
العميل : F.F
المقاول : Hassan Allam Technologies

م	اسم المادة	وصف المادة	المرفقات	ملاحظات
		Grooved fittings & Coupling	Compliance Sheet Catalogues Certificates Previous Approvals Sample board	
		Supplier: Kirmary Manufacturer: LEDE		

مدير المشروع (المقاول) :  التاريخ : 28-8-2017
الممثل (الاستشاري) : التاريخ :

د	ج	ب	ا
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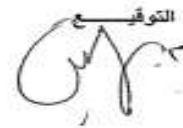
نص الاعتماد :-
المستلم اذ قام بمقابلة مع مهندس ابراهيم شكري

المستلم اذ قام بمقابلة مع مهندس ابراهيم شكري

التوقيع

المالك

التاريخ



الاستشاري

التاريخ

مدير التنفيذ

مدير المشروع

الممثل (المقاول) :

د : مرفوض

ج : يعدل ويعاد التقديم

ب : معتمد بشروط

ا : معتمد

طلب اعتماد

التاريخ: 2018/9/16	اسم المشروع: نادي مصطفى كامل - الاسكندرية	رقم المشروع: المبنى الرئيسي
المالك: اداره النوادي والفنادق للقوات المسلحة	الاستشاري: مكتب حسين صبور للاستشارات	المقاول العام: مقاول التكييف والحريق المصريه لاعمال التكييف والتجاره - توتال اير

1- قسم:

1	☐ معماري	5	☐ تكييف	9	☐ خطوط كهرباء
2	☐ انشائي	6	☒ حريق	10	☐ شبكات مياه
3	☐ كهرباء	7	☐ زراعة	11	☐ شبكات صرف
4	☐ ميكانيكا	8	☐ اخرى	12	☐ طرق

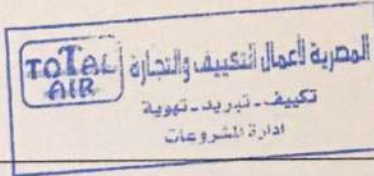
2- تفاصيل الاستفسار:

مرفق لسيادتكم المواد المستخدمه في المشروع وذلك للمراجعة والاعتماد

- Grooved Fitting - LEDE (China) → code (B)
- Threaded Fitting - MECH → (B)

مدير المشروع

الاسم:
التوقيع:



مهندس المشروع

الاسم:
التوقيع:

رد الاستشاري
مجمع تصحيح من ارجاء المبدأ والاعتماد الاستشاري تصحيحه بالموقع له و
التصحيح من قبل الاستشاري
① Grooved Threaded - LEDE Mechanical from 2.5 inch more
② Mech. (as ductile Iron pipe fittings) < 2.5 inch

التاريخ: 2018/9/16

التوقيع:

صورة الي المالك:

الاسم:

التاريخ:

التوقيع:

المواد التي تم فحصها بالموقع

☐ مرفوض

☐ مقبول بملاحظات

☐ مقبول

مدير المشروع

الاسم:

التوقيع:

التاريخ:

الشركة القابضة لمصر للطيران قطاع المشروعات وصيانة المنشآت □ الإدارة العامة للمشروعات / □ الإدارة العامة لصيانة المنشآت		مستندات تنفيذ المشروع (2)	
عملية : رفع كفاءة محطة إطفاء الحريق بالمجمع الإدارى لمصر للطيران وتأمينها إطفانيا وإنشاء خزان		□ طلب إتمادات / □ تقديم متطلبات	
المالك : الشركة القابضة لمصر للطيران		أمر إتماد رقم 2020/2019/1-11	
المقاول العمومى : الشركة المصرية للمشروعات والنظم الكهروميكانيكية - كونكس		تاريخ 2020 / 07 / 19	
أهداف الطلب : ☐ للإعتماد قبل التنفيذ ☐ للمراجعة قبل الإعتماد ☐ للعلم ☐ للدراسة والإفادة ☐ للحفاظ		مسلسل الطلب ()	

السيد المهندس / أحمد مدبولى. (مدير المشروع)

تحية طيبة وبعد ،،،

برجاء التكرم باتخاذ اللازم بالموافقة على اعتماد (Submetal) لشبكة مواسير الحريق داخل مبنى المجمع الإدارى واردة أدناه وطبقاً للمطلوب أعلاه :-
أولاً : بيانات عامة :-

م	نوعية المرفقات	وصف بيان المرفقات
1	رسومات تنفيذية	عدد 1 مخطط لشبكة مواسير الحريق داخل مبنى المجمع الإدارى .
2	عينات / كتالوجات	مرفق ملف بالكتالوجات للخامات المستخدمة لشبكة المواسير وهى : 1- كتالوج شركة سيجما لصناعة المواسير السيملس. 2- كتالوج شركة حبش لصناعة المواسير البلاستيك. 3- كتالوج شركة LEDE ويشمل جميع أنواع ال Fitting Groove 4- كتالوج شركة Viking ويشمل (محابس العزل - الرشاشات - Tamper.s). 5- كتالوج شركة Giacomini والخاص بالمحابس الكرة.
3	نتائج اختبارات	
4	مستخلصات	
5	عرض أسعار أعمال إضافية .	
6	أخرى (.....)	

هذا وتفضلوا بقبول فائق الاحترام ،،،

عن جهاز الإشراف من مصر للطيران
استلمت الطلب والمرفقات وسيتم البت فيها خلال أسبوع وتسليم الرد للمقاول
الاسم : <u>محمد مدبولى</u> التوقيع : <u>محمد مدبولى</u>
التاريخ : 200 / ١٩ / ٨

مدير المشروع
الاسم : <u>محمد مدبولى</u> التوقيع : <u>محمد مدبولى</u>
التاريخ : 200 / ١٩ / ٨

جهاز الإشراف على المشروع			
رأى جهاز الإشراف	☐ يعتمد	☒ يعتمد مع ملاحظة	☐ مرفوض
	☐ غير مستوفى	☐ للعلم	☐ مرفوض مع ملاحظة

الملاحظات: يتمتع مع ملاحظة
مراجعة مستوفى
وإرساله لمراسل

مدير المشروع (مصر للطيران)
يعتمد طبقاً لرأى جهاز الإشراف ويلتزم المقاول بتنفيذ كافة ما جاء به قبل التنفيذ
الاسم : <u>محمد مدبولى</u> التوقيع : <u>محمد مدبولى</u>
التاريخ : 200 / ١ / ١

عن جهاز الإشراف لمصر للطيران
المهندس المشرف
الاسم : <u>محمد مدبولى</u> التوقيع : <u>محمد مدبولى</u>
التاريخ : 200 / ١٩ / ٨

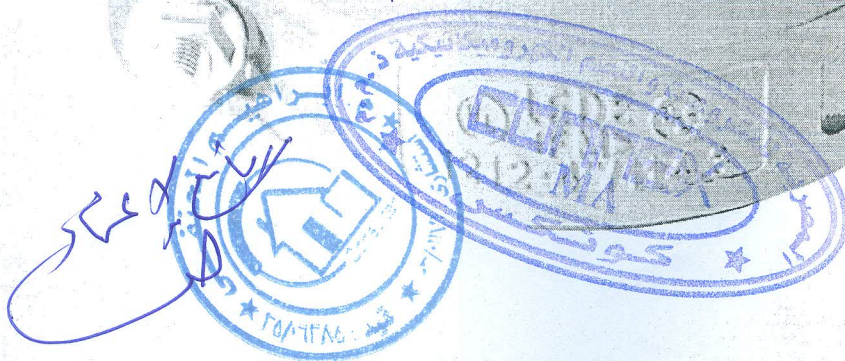
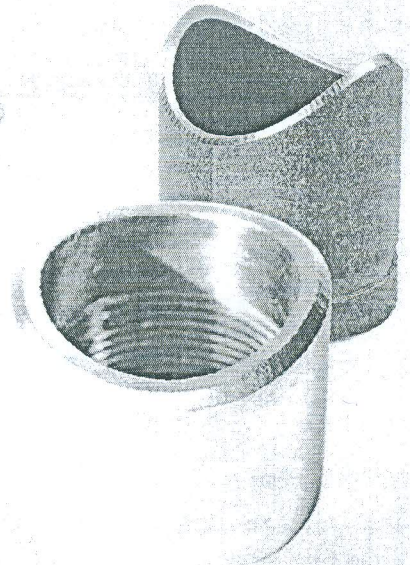
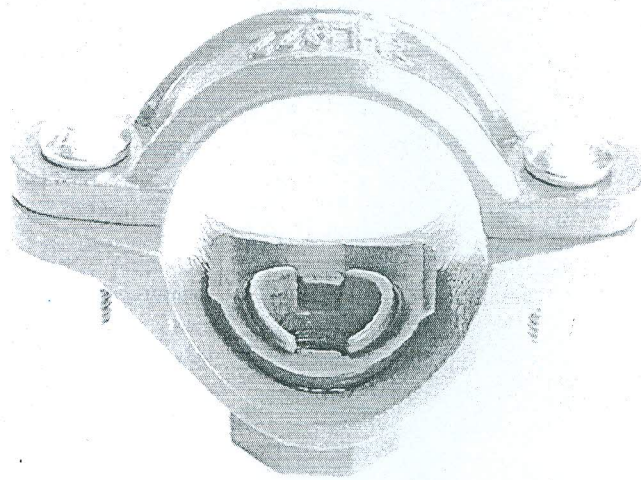
LEDE®

SHANDONG LEDE MACHINERY CO.,LTD.

مراي د اړه لکه بالا سوارا

صورت ۴۰

۱۹/۸۹
c.c.



LEIDE

INTERNATIONAL APPROVAL

FM APPROVED

Certificate of Compliance
This certificate is issued for the following:

Non-Gasketed Pipe Fittings for Aboveground Fire Protection Systems

Model J01
Grooved Outlet Welded Pipe Outlet

Model J01
Threaded Outlet Welded Pipe Outlet with either NPT or BSPT Threads

Prepared for:
Shandong Leide Machinery Co., Ltd.
Fang Zhang Zi
Jiaotangzi, Chao County
Tangshan City, Hebei Province 064000
China

Manufactured at:
Shandong Leide Machinery Co., Ltd.
Fang Zhang Zi
Jiaotangzi, Chao County
Tangshan City, Hebei Province 064000
China

FM Approvals Class: 1920 - "Pipe Couplings and Fittings for Aboveground Fire Protection Systems"
Approval Identification: 1908093

Approval Granted: July 22, 2016

To verify the availability of the Approved product, please visit www.fmapprovals.com.

See Approval in order to understand field performance, continuing surveillance, audits, and other conditions to the manufacturer as shown in the Approval chart, or contact nearest FM Approvals office.

David B. Palmer
David B. Palmer
AVP, Manager of Fire Protection
FM Approvals
151 Boston-Portland Turnpike
Norwood, MA 02062, USA

FM Approvals

CERTIFICATE OF COMPLIANCE

Certificate Number: 20080101-014901
Project Reference: FM3001-2008-0101
Issue Date: 2016-01-01

Issued to: SHANGHONG LEIDE MACHINERY CO., LTD.
No. 2008
Chao County, Hebei
Shandong Province
China

This is to certify that the product complies with the requirements of the Standard: UL 203

Standard for: FITTINGS, WELDED OUTLET
Model: J01, J02

Have been investigated by UL in accordance with the Standard for certification of the product.

Standard for: UL 203 WELDED OUTLET FITTINGS FOR FIRE PROTECTION
ULC-203 WELDED OUTLET FITTINGS

Additional Information: See the UL Catalog Certification Directory at www.ul.com for additional information.

Only those products bearing the UL Certification Mark should be fabricated in compliance with the UL Standard.

Look for the UL Certification Mark on the product.

David B. Palmer
David B. Palmer
AVP, Manager of Fire Protection
FM Approvals
151 Boston-Portland Turnpike
Norwood, MA 02062, USA

UL

Certificate of Environment Management System
Issued to: SHANGHONG LEIDE MACHINERY CO., LTD.
No. 2008
Chao County, Hebei
Shandong Province
China

ISO 14001

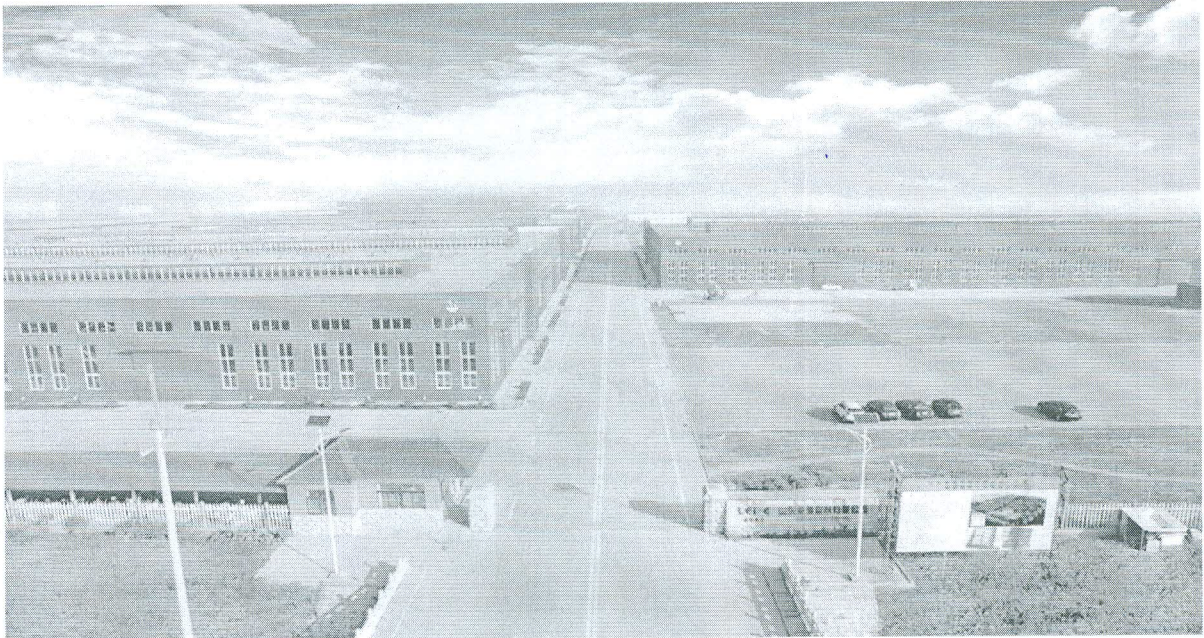
Shanghai Zhongsheng Certification Center

FM APPROVED

Certificate of Compliance
This certificate is issued for the following:

PIPE COUPLINGS AND FITTINGS FOR ABOVEGROUND FIRE PROTECTION SYSTEMS

Model: X00T1, X00T2, X00T3, X00T4, X00T5, X00T6, X00T7, X00T8, X00T9, X00T10, X00T11, X00T12, X00T13, X00T14, X00T15, X00T16, X00T17, X00T18, X00T19, X00T20, X00T21, X00T22, X00T23, X00T24, X00T25, X00T26, X00T27, X00T28, X00T29, X00T30, X00T31, X00T32, X00T33, X00T34, X00T35, X00T36, X00T37, X00T38, X00T39, X00T40, X00T41, X00T42, X00T43, X00T44, X00T45, X00T46, X00T47, X00T48, X00T49, X00T50, X00T51, X00T52, X00T53, X00T54, X00T55, X00T56, X00T57, X00T58, X00T59, X00T60, X00T61, X00T62, X00T63, X00T64, X00T65, X00T66, X00T67, X00T68, X00T69, X00T70, X00T71, X00T72, X00T73, X00T74, X00T75, X00T76, X00T77, X00T78, X00T79, X00T80, X00T81, X00T82, X00T83, X00T84, X00T85, X00T86, X00T87, X00T88, X00T89, X00T90, X00T91, X00T92, X00T93, X00T94, X00T95, X00T96, X00T97, X00T98, X00T99, X00T100, X00T101, X00T102, X00T103, X00T104, X00T105, X00T106, X00T107, X00T108, X00T109, X00T110, X00T111, X00T112, X00T113, X00T114, X00T115, X00T116, X00T117, X00T118, X00T119, X00T120, X00T121, X00T122, 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Shandong Lede Machinery Co.,Ltd. was founded in 2003,which owns 600 staffs and mainly engages in the production of Grooved Fittings, the annual production capacity can reach 30,000 tons. Now LEDE has been the leading manufacturer on grooved fittings in the world.

LEDE is committed to supplying the high price performance ratio products, for grooved fittings, LEDE has been approved by FM and UL, and in 2015, LEDE will get LPCB and VDS together too.

LEDE owns three big factories with advanced electric furnaces and automatic lines, the product is machined with CNC and the surface is coated with red epoxy powder, electrophoretic paint, orange paint or galvanization. The mold center keeps developing new products which can satisfy diverse requirements from different customers.

LEDE products have been sold to most of the countries and areas in the world like America, Canada, Europe, Russia, Australia, Middle East, Asia, Africa, etc., and LEDE is becoming one famous and reliable brand for the customers.

LEDE products are wildly used in various fields as follows:

1. Automatic sprinkler system for Fire Fighting Protection on Commercial, Civil and Municipal constructions like water supplying, gas supplying, heat supplying, drainage, air conditioning, etc.
2. Industrial pipeline system on shipping, mine, oil field, textile, power plant, paper making, beverage and steel making, etc.
3. Pipeline system on subway station, railway station, airport, seaport, bridge, channel, etc.



Push-on Coupling
XGQT4
P10



Angle-pad Coupling
GKS
P10



Rigid Coupling
XGQT1
P11



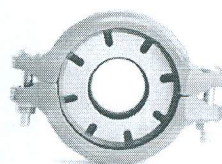
Flexible Coupling
XGQT2
P12



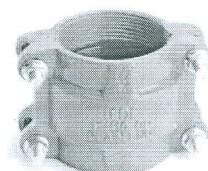
Flexible Coupling (Heavy-duty)
1212
P13



Rigid Coupling (Heavy-duty)
1512
P13



Reducing Flexible Coupling
XGQT3
P14



HDPE Coupling
P14



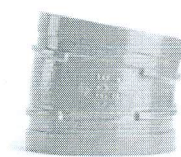
90° Elbow
XGQT01
P15



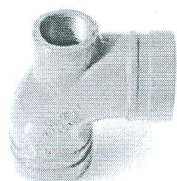
Grooved 45° Elbow
XGQT011
P16



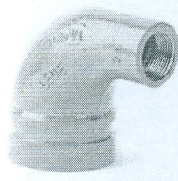
Grooved 22.5° Elbow
XGQT012
P17



Grooved 11.25° Elbow
XGQT013
P17



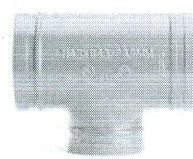
Drain Elbow 90°
2601
P18



90° Reducing Elbow
XGQT014
P18



Grooved Tee
XGQT03
P19



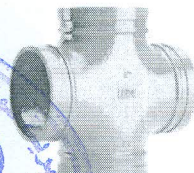
Grooved Reducing Tee
XGQT03
P20



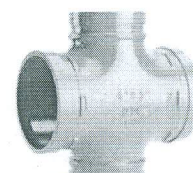
Bullhead Tee
XGQT03
P22



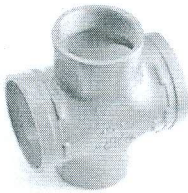
Threaded Reducing Tee
XGQT03S
P23



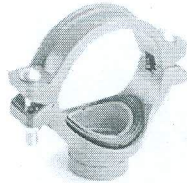
Grooved Cross
XGQT05
P25



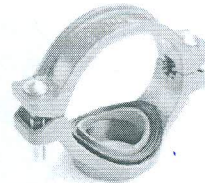
Grooved Reducing Cross
XGQT05
P27



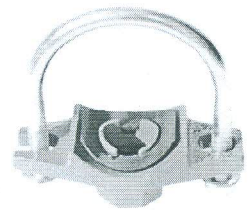
Threaded Reducing Cross
XGQT05S
P28



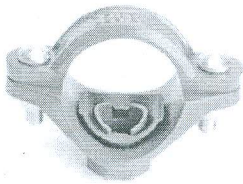
Grooved Mechanical Tee
XGQT04G
P30



Threaded Mechanical Tee
XGQT04
P32



U-Bolt Mechanical Tee
041
P35



Small Threaded Mechanical Tee
L922
P35



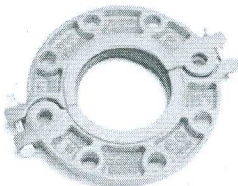
Grooved Reducer
XGQT07
P36



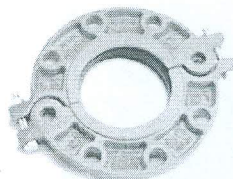
Threaded Reducer
XGQT07S
P38



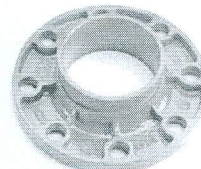
Grooved Eccentric Reducer
XGQT072
P40



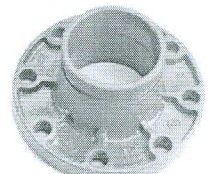
Grooved Flange PN16
XGQT09
P40



Grooved Flange ANSI125/150
L991
P41



Flange Adaptor PN16
XGQT08
P41



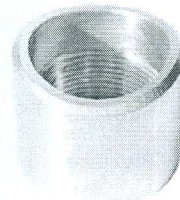
Flange Adaptor ANSI125/150
L981
P42



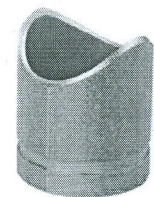
Grooved Cap
XGQT06
P42



Cap with Eccentric hole
XGQT061
P43



Threaded Outlet
J01
P44



Grooved Outlet
J02R
P45



تاريخ: 2018-08-12
المشروع: Building 110/39

الموضوع:- اعتماد عينة قطع توصيل مواسير مجلفنة لمياة الشرب مورد كيرمارى من مقال سامكريت
بخصوص المشروع بعالية, والى العرض الفنى المقدم من مقال سامكريت اعتماد عينة قطع توصيل مواسير مجلفنة
لمياة الشرب من مورد كيرمارى
العرض مقبول

على المقال تقبل شهادة للحفنة بانها تصلح لمياة الشرب ونسبة السومية

وتفضلوا بقبول فائق الاحترام

م/ عمرو شاهين
مدير تصميمات الكهرباء والميكانيكية
المجموعة الاستشارية شاكِر



SHAKER
CONSULTANCY GROUP
Project 110

طلب اعتماد

رقم الطلب :	452
التاريخ :	3/4/2018
اسم المشروع :	منتجع عطية الجلالة البحرية - مجمع المطاعم

المالك :	الاستشاري :	ضياء كونسولت	المقاول :	شركة المشروعات الهندسية
----------	-------------	--------------	-----------	-------------------------

☐ معماري ☐ مدني ☐ كهرباء داخلي ☐ كهرباء خارجي ☐ صحي داخلي ☐ صحي خارجي
☐ مساحة ☐ أخرى (الحريق)

☐ سابقة أعمال	9
☒ كتالوجات	10
☐ عينات	11
☐ أخرى	12

☐ خطوات تنفيذ الهندسة	5
☐ الامن والسلامة	6
☐ البرنامج الزمني	7
☐ تقارير	8

☐ مواد	1
☐ رسومات تنفيذية	2
☐ استكش	3
☐ مستندات مراقبة الجودة	4

تفاصيل الطلب

البند	توصيف البند	مواصفات	قائمة الكميات	رسومات	ملاحظات
1	Approval of data sheet for : Grooved & Thread Fittings <i>Ledee</i>				

مدير المشروع المقاول
 الاسم: هاني النمد
 التوقيع: *[Signature]*

مهندس المقاول المسئول
 الاسم: *[Signature]*
 التوقيع: *[Signature]*

تعليق الاستشاري

[Signature]

المهندس :

الاسم :

التوقيع :

التاريخ :

رقم الإصدار		مشروع جبل الجلالة	
التاريخ		طلب اعتماد رسومات تنفيذية / مستندات / عينات	
٢٠١٨	٩		
الكود	سبب التقييم **		
1	الاعتماد		
2	للمتابعة		
3	(		
الكود	الاعراض **		
A	مشكلة		
B	مشكلة بسلامة		
C	غير متأكد وبمادة تقوية		
D	مرفوض		



SITES
INTERNATIONAL

المصري الهادي	من : شركة
سايتس انترناتيونال	الي : شركة

رقم الطلب :

الاجراء	الوصف	رسومات / مقايضة الكميات / المواصفات	م
	LEDE	Fitting Groove	
(B)	مرفوض لتلاصق ولوحة عيناك		

استلام الاستشاري

توقيع المقاول : ٢٠١٨ / ٩ / ١٣

ملاحظات الاستشاري :

لرباع سبب اعتماد ما، حيث DE لا يوجد
الحريه في اختياره ليرتبط بوضع الموانع
المنع ومطلبات الدفاع المنع

توقيع الاستشاري :

صورة الى :
المستلم :
التوقيع :

استلام المقاول :
التوقيع :

٢٠١٨ / ٩ / ١٣

	ARCHIRODON CONSTRUCTION OVERSEAS CO. S.A. 	AL FATAH AL ALIM MASQUE		Rev.
		Issued For	For Approved	
		Ref. No.	09026-PMG-000-00-F07	0.0
		Serial No.	0030	
	Pages.	56		

SHAKER CONSULTANCY GROUP
 Mearaj City, Cairo Ring Road, buildings 2075-2078,
 Maadi, Cairo, Egypt
 Attn.: Eng. Mohamed Menshawy
 Attn: Eng. Mohamed Hamdy
 Tel+202-25204500
 Fax. +202-25204505



DOCUMENTS TRANSMITTAL

Dear Sir,

The documents itemized below are for your attention and action as indicated.

Specs. No/ Paragraph Ref	Drawing /Document code	Rev.	Title / description	Purpose	Remarks
15012, 15051, 15057, 15132, 15241, 15246, 15310, 15315, 15330, 15355, 15360, 15375	60064-G-MEC-MAT-020	00	Firefighting System Pipe Fitting	For approval	CODE B

Required by	Checked by
Mohamed Gamal	Ibrahim Gergis
Document Control	Mec. Engineer
	

Number & Type of Copies: 1 Original + 2 Copies + 1 Soft Copy (SHAKER).

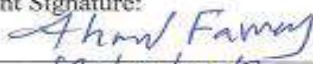
SHAKER Comments:

- All threaded or ground fittings shall be applicable for ~~300 HB~~ (300 psi) Max working pressure.
- Method statement for installation and test shall be provided.
- All threaded or ground fitting shall be UL/FM as per NFPA and specifications.
- American Standard shall be used.

Approval Status:

CODE B

Consultant Signature:


 18/9/2017



وزارة الدفاع
إدارة المهندسين العسكريين
مشروع ١١٠

REF:P110-MA-MEP-00015

التاريخ: ٢٠١٧/٠٤/٢٥

لجنة اعتماد مواد

رقم الطلب: P110-M-MEP-SC-0 041	تاريخ الطلب: ٢٠١٧/٤/٤	مقدم من شركة: إدار العالمية		
DATA SHEET ☐	CATALOGUES ☐	SAMPLE ☐	CERTIFICATES ☐	☐

الى جميع الشركات والمكاتب الاستشارية

تم اعتماد العينة الآتية :

(١) وصف العينة : FITTING GROOVED (بأقطار ٨ بوصة فيما فوق بمنطقة الأنفاق)

انتاج شركة : LEDE

• مع ضرورة الاخذ في الاعتبار بالآتي :

١- اختيار عينة عشوائية عند التوريد للموقع لعمل TEST CERTIFICATES بمعامل معتمدة.

٢- يتم الفحص الظاهري طبقا للعينة المعتمدة.

رئيس لجنة الاعتماد

(التوقيع)

عضو (٢)

(التوقيع)

عضو (١)

(التوقيع)

تعليمات: في حالة إستخدام الشركات مواد غير معتمدة من المكتب الفني سيتم مصادرتها وإتلافها

مدينة زويل للعلوم والتكنولوجيا
أعمال تنفيذ مبنى Service Tunnel (B04,A,B,D,E) &

طلب اعتماد مواد

30

المالك: مدينة زويل للعلوم والتكنولوجيا	الاستشاري: المجموعه الهندسيه الاستشاريه Cgman
مقدم من: سيمنز	موجه إلى: الهيئه الهندسيه للقوات المسلحه (ط 14)
اسم وتوقيع المرسل: 14/1/14	اسم وتوقيع استشاري الهيئه: 14/1/14
اسم وتوقيع طاقم الاشراف: 14/1/14	اسم وتوقيع طاقم الاشراف: 14/1/14
بتاريخ: 2015 / 8 / 10	بتاريخ: 2015 / 8 / 10

إصدار رقم: 01

رقم النموذج: MAT/ B04/Mech./034

بدیل		حسب مستندات التعاقد		عنوان النموذج / Grooved Fittings	
رمز المقاييس	رمز المواصفات	المصنع/بلد الصنع	البيان/ الوصف	عدد النسخ	مسلسل
		LEDE	Grooved Fittings <u>Submittal includes</u> - Catalogue	3	1

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الملاحظات	برجاء تقديم جميع الملاحظات المرفقة
-----------	------------------------------------

أ = معتمد ☐ ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى ☐
ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات ☐ د = الطلب مرفوض ويعاد التقديم مرة أخرى ☐

اعتماد طاقم الاشراف	14/1/14	200
استلام المقاول	14/1/14	200

التوزيع قبل الاعتماد: التوزيع بعد الاعتماد

No.	المالك	الاستشاري	المالك	المقاول	الاستشاري			
					مدني	معماري	كهرباء	تكييف
					ميكانيكا	تخطيط	Q.S	



مدينة زويل للعلوم والتكنولوجيا
أعمال تنفيذ مبنى النانو

طلب اعتماد مواد

المالك: مدينة زويل للعلوم والتكنولوجيا	الاستشاري: المجموعه الهندسيه الاستشاريه Cgman
مقدم من: الهيئة الهندسية للقوات المسلحة (ط 14)	وجه إلى: مدير المشروع
اسم وتوقيع المرسل: العقيد / احمد بركات	اسم وتوقيع المستلم:
بتاريخ: 20 / /	بتاريخ: 20 / ٤ / ٢٠١٥

إصدار رقم: 00

رقم النموذج: MAT/B6/MECH/15310/002

عنوان النموذج / Grooved Fittings		البيان / الوصف	عدد النسخ	مستند
مستند	بدل	المصنع / بلد	المواصفات	رمز المقايسة
		15310		
		Grooved Fittings For Fire Fighting System (LEDE) " مرفق 2 عينه "	4	1

تعهد المقاول: المستندات المرفقة تم تدقيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الاستشاري المختص المجموعة الهندسية الاستشارية	الإعتماد بواسطة:	التوقيع:	بتاريخ: 200٩ / ٤ / ٢٠
الملاحظات الرجوع إلى الملاحظات في إجاب المرفقة			

ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى

أ = معتمد

د = الطلب مرفوض ويعاد التقديم مرة أخرى

ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات

اعتماد الاستشاري	م /	بتاريخ: 200٩ / ٤ / ٢٠
استلام المقاول	الاستلام بواسطة	بتاريخ: 200 / /

التوزيع قبل الاعتماد : التوزيع بعد الاعتماد

No.	المالك	الاستشاري	المالك	المقاول	الاستشاري			
					مدني	معماري	كهرباء	تكييف
					ميكانيكا	تخطيط	Q.S	

مؤرخة	A ☒	
موافقة بملحوظة	B ☐	رأي الاستشاري: نعم لا نهج من استشارة بالإضافة ما ذكره (LED, H/CH, DL, FAH)
رفض	C ☐	
التاريخ : / /		الاسم :-
		التوقيع :-
		رأي المالك:
التاريخ : / /		الاسم :-
		التوقيع :-

Proj. no. : E10025-0100S	Employer: SAUDI BINLADIN GROUP	Request No. MR- M- 13915- 03 - B
Engineer: dar al-handasah	Contacto: SAUDI BINLADIN GROUP	REV.: 01 Date 18-May-2013

Submittal for Approval of Materials

1. Material description : Pipe fittings for fire fighting system

ATTACHMENTS :

A- SAMPLES NOT INCLUDED
B-CATALOG MANUFACTURER DATA SHEETS

Area of application : Main Terminal Building Project : Hurghada international Airport
Drawing ref. : E0577-2-TD-FF-01 B.O.Q. Ref. No. : BO/MTB/13/44
Specification Ref. : C 13915 Standards : refer to spec

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE
Address :
Local Agent : KIRMARY for engineerigs suppliers

3. Delivery :

Country of origin : China

Availability

☐ Locally Manufactured

☒ Overseas

Delivery : Ex-works/ total duration 25-12-11 TO 06-02-13
Estimated time of arrival on site 15-06-13
Program : Date material required on site 20-06-13
Latest date for order 10-05-13

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.

Submitted by : Engr. Magdy Badran

Signature: [Signature]

4. Engineer's Representative comments:

Contractor request for applying new manufacturer to supply the behaviour of type is approved subject

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature [Signature]

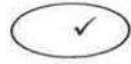
Date : 21.5.2013

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Project No.: E13087-0100S Upgrading of Al-Azhar Mosque and Campus	Employer:  مجموعة بن لادن السعودية SAUDI BINLADIN GROUP	Request No. MS-M-332510-007-A-00
Engineer:  dar al-handasah shair and partners s.a.l.	Contactor:	Date 4-Aug-16

04 AUG 2016

RECEIVED Submittal for Approval of Materials



1. Material description (one item only on this form) : one Coupling sample

Pipe fittings for seamless pipes for firefighting system

Area of application : External fire fighting network
 Drawing ref. : AZH-MOSQ-SD-RE-F-002 B.O.Q. Ref. No. : 332510
 Specification Ref. : 332510/ 212200 Standards :

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : LEDE

Address :

Local Agent :

dar al-handasah shair and partners	
Prof:	
Received:	
HR	✓
Art	
Info	
File	
File no.	16

3. Delivery :

Country of origin : China

Availability

☐ Locally Manufactured ☒ Overseas

Delivery Ex-works/ total duration []
 Estimated time of arrival on site []

Program Date material required on site []
 Latest date for order []

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.

Submitted by : _____ Signature For/MAED

4. Engineer's Representative comments:

Refer to attached comments.

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☒ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature _____ Date : 16/8/16

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



dar al-handasah
shair and partners

Project name: Upgrading of Al-Azhar Mosque and Campus Facilities
Project No: E13087-0200S

Submittal No.: MS-M-332510-007-A-00

Submittal date: 04/08/2016

Material description: Firefighting pipe fitting

Material manufacturer / Supplier: LEDE

Material country of origin: China

Action: Approved as Noted (code B)

Mechanical comments:

LEDE coupling is accepted in Azhar mosque project especially, but approval is subjected to cover below comments

1. Contractor / supplier is requested to provide sample of rigid coupling prior any purchasing order and/or material delivery to site.
2. Final approval is subject to civil deference approval
3. Contractor is requested to submit a method statement clarifying installation and connections with others for approval prior any execution on site.

Best Regards,

Mohamed Merdash



ACE CONSULTING ENGINEERS
MOHARRAM BAKHOUM

ميدان الجمهورية المتحدة 5 El Gomhounia El-Mottaheda Square
الدقي، الجيزة، ج.م.ع. Dokki, Cairo, Egypt
ص.ب. ٦٢ الدقي P.O. Box 62 Dokki
تليفون ٢٠٢ ٣٣٣٧ ٧١٢٠ Tel - 202 3337 7120
فاكس ٢٠٢ ٣٧٤٩ ٨٢٥٤ Fax - 202 3749 8254

القاهرة في: ٢٠١٢/٢/٢٢ www.ace-engineers.com

خطاب رقم : م-١٩٩/٢٠١١

رقم المشروع : ٠٨٠٧١ (مصنع 81 الحربي)

الموضوع : العرض الفني للقطع الخاصة لزوم اعمال الحريق .

خطاب المفاوض رقم : ٢٠١٢/٤/٩ بتاريخ ٢٠١٢/١/٢ .

السادة/ شركة المقاولون العرب (عثمان أحمد عثمان و شركاه)

السيد المهندس/ مدير المشروع

تحية طيبة و بعد.....

بالإشارة الي الموضوع عاليه ، والى خطابكم عاليه بخصوص العرض الفني للقطع الخاصة لزوم اعمال الحريق نحيطكم علما بان الكتلوجات الفنية

لقطع الاتصال انتاج LEDE مقبولة فنيا بالملاحظات التاليه :

١. توضيح الأماكن التي يراد استخدام تلك القطع بها .
 ٢. ان يتم التوريد من خلال الوكيل مع ضرورة موافقات بيانات الوكيل وشهادة الوكالة .
 ٣. يتم موافقاتنا بمسابقة اعمال الماركة في مصر .
- مرسل للعلم و سرعة اتخاذ اللازم.

و تفضلوا بقبول فائق الاحترام

التوقيع ٠٣

مهندس/ ياسر فاروق
رئيس جهاز الإشراف
المهندسون الاستشاريون العرب
محرم - باخوم

- صورة / شركة هيلوبوليس للصناعات الكيماوية .
- صورة للمكتب .
- صورة حفظ .

الكيان الجديد - العاصمة الإدارية الجديدة

طلب اعتماد مواد

الاستشاري: جماعة المهندسين الاستشاريين

المالك: هيئة الشئون المالية للقوات المسلحة

مقدم من : شركة اوراسكوم	موجه إلى : جماعة المهندسين الاستشاريين
اسم وتوقيع المرسل : مهندس/ البير بدور	اسم وتوقيع المستلم : م/ رضا عفيفي
بتاريخ: 2016 / 04 / 04	بتاريخ: 2016 / /

اضداد برقم: 00

رقم النموذج: OC/ECG/ME/FF/MAT/0016

عنوان النموذج /		حسب مستندات التعاقد		يديل
مستسل	عدد النسخ	البيان / الوصف	المصنع / بلد الصنع	رمز المواصفات
1	4	LEDE (KIRMARY) FOR GROOVED FITTING FOR FIRE FIGHTING SYSTEM	CHINA	13915
2	2	لوحة عينات		
3	1	نسخة الكترونية		
		الدور: الكل	الجزء: الكل	

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المفاضل

20/04/13	مبارك	الإعتماد بواسطة	الاستشاري المختص
5. as per attached comments of Alternative Supplier) REFERENCE TO THE (M O M O D) KINDLY FIND THE ATTACHED MATERIAL SUBMITTAL.			

ج = معتد مع ملاحظات وبعاد التقديم مره اخرى.

د = الطلب مرفوض وبعاد التقديم مره اخرى.

ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناءً على الملاحظات ☐

اعتماد الاستشاري	١٥	٢٠١٦/١٢/١١	مبلغ
استلام المقاول	٢٧	٢٠١٦/١٢/١١	مبلغ

التوزيع قبل الاعتماد : التوزيع بعد الاعتماد

No.	المالك	الاستشاري	المالك	المقاول	مدني	معماري	شهر ماء	تشييع	ستاتيكيا	تخطيط (Q.S)
-----	--------	-----------	--------	---------	------	--------	---------	-------	----------	-------------

[illegible]

NEW ENTRY - NEW ADDRESS ONLY			
Dep.	12/2		
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PROSECUTION		✓	
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SHAKER



Document Control Ref. No. Record Ref. Project No. Serial # Date
S 0 7 0 1 15 / 05 0 1 1 F F 0 2 0 7 1 7

THE.07.01.REC.S

Transmittal Info

Specs. Division # / Section # : Fire Protection Section 15310
Transmittal Reference : Grooved Fitting

Transmittal purpose

☐ For information ☐ For review ☒ For Approval ☐ For use on site

Transmittal for submission of

☐ Shop Drawings ☐ Samples / Mock-Ups ☒ Catalogues ☐ Reports
☐ Site / Works Photos ☐ Time Schedule ☐ Certificate of Origin ☐ Others

No. of copies/items : 3

Deviation from contract:

#	Description / البيان	Rev. No. رقم المراجعة	Sheet Size مقاس اللوحات	Qty. عدد / كمية	Action Code كود الاجراء
01	Grooved Fitting (LEDE)	00	A4	182	N
02					
03					
04					
05					
06					
07					
08					
09					
10					

☐ A Approved ☒ N Approved with notes ☐ R To resubmit ☐ D Rejected

Contractor Engineer name/اسم مهندس المقاول: Hazem Abdallah Date/التاريخ: 02 / 07 / 17 Signature/توقيع: Hazem

I hereby confirm receipt of the aforementioned documents/items original.

Consultant Engineer name: /اسم المهندس الاستشاري date: 3 / 7 / 2017, hour: AM/PM Signature: /التوقيع

Approval Notes: ملاحظات الاعتماد

Reviewed by/بالمراجعة: / قام بالتاريخ: / / 17 Signature/التوقيع:

Transmittal returned to contractor at: / / 2017 THE Signature Cont. Signature: / توقيع المقاول

Record Control

مراقبة السجل

Office copy	Project File	Engineer	Site Manager	Projects Manager
By Fax	By Fax	By Fax	By Fax	By Fax
Date	Date	Date	Date	Date
By Fax	By Fax	By Fax	By Fax	By Fax
By Fax	By Fax	By Fax	By Fax	By Fax
By Fax	By Fax	By Fax	By Fax	By Fax
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By Fax	By Fax	By Fax	By Fax	By Fax

TRANSMITTAL نموذج تقديمات المرحلة الثانية

 CRÉDIT AGRICOLE	Credit Agricole Head Office Complex	 Hill International
ECG مجموعة الاستشارات الهندسية ENGINEERING CONSULTANTS GROUP S.A.		ORASCOM CONSTRUCTION

MATERIAL SUBMITTAL FORM

Contract No.: PEG 1092

Package No.: CON

TITLE:	: Grooved Fitting	SUBMITTAL NO.:	1092-CON-CN-OC-MAR-15417-0003
TO:	Mr. Salama Tayel Project Manager	DATE:	22-07-2012
FROM:	Eng. Joseph A. Keryakos Project Manger	REVISION NO:	Rev. 00

Discipline:	Fire fighting system
Description of Material	Victaulic hole cutting Grooved mechanical tee model XGQT04
BOQ Ref	DIV 13 special construction
Manufacturer (Name & Address)	LEDE
Supplier / Local Agent	KIRMARY
Description of Attachments	• Technical data sheet • Test Certificates • Reference list
Description of Samples	None
LEED Requirement Compliance	Not Applicable
Comparison in case of Alternative Submittal Specification Comparison Sheet	1. They have the same quality and certifications (UL & FM) as the approved type 2. Material available on stock whenever required which not affect the work progress.

CONTRACTOR SIGNATURE: *[Signature]* **Date:** 22-7-2012

NAME: **Signature:** *[Signature]* **Date:** 1st Aug. 12

NAME: **Signature:** *[Signature]* **Date:** 2-8-2012

REVISIONS/CONSULTANTS COMMENTS:

This product is technically approved as an alterenative to specified one. Therefore clode 2.4 section 01600 is applicable.

☐ A-APPROVED
 ☒ B-APPROVED AS NOTED, WORK MAY
 ☐ C-REVISE / RESUBMIT
 ☐ D-REJECTED

PROCEED = INCORPORATE COMMENTS

For & On behalf of (ECG- Engineering Consultants Group) Name: Signature: <i>[Signature]</i> Date: 24 JUL 2012	APPROVED DATE: 29/07/12
PMC RECEIVE: SUP. CONSULTANT RETURN: <i>[Signature]</i>	SUP. CONSULTANT RECEIVE: CONTRACTOR RECEIVE: <i>[Signature]</i>

 CRÉDIT AGRICOLE ECG  ENGINEERING CONSULTANTS GROUP S.A.	Credit Agricole Head Office Complex	 Hill International ORASCOM  CONSTRUCTION
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MATERIAL SUBMITTAL FORM	
Contract No.: PEG 1092	Package No.: CON

Kindly be noted that this submittal is alternative to Victaulic grooved fitting
 REF. 1092-CON-CN-OC MAR-15417-0004 for the following:

1. They have the same quality and certifications (UL & FM) as the approved type.
2. They have material available on stock whenever required which not affect the work progress.

ECG ENGINEERING CONSULTANTS GROUP APPROVED AS Noted Incorporate / Comments By <u> </u> Date <u>29/07/12</u>	
---	--

August 10, 2015

Attention: Eng. Tarek Omran

Gentlemen,

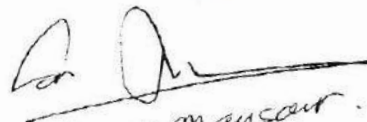
Project: -ECG File No. 1984.

Subject: Material Submittal and Approval

With reference to your letter dated 04.08.2015, regarding to your reply on ECG's Material transmittal. Please, find herewith our final comments on the same subject material

Very truly yours,
ECG Engineering Consultants Group S.A.

Girgis Kamel


Essam Mansour
10/4/2015

Attachment: as stated above.

Technical submittals requested from the contractor		Comments on replies sent from the contractor
No	تقرير اختيار انابيب مواسير السيلين و قطع الجروف ماركة LEDE	Approved
1-	INTER PIPE ماركة الصنع اوكراي السيلين اوكراني	Approved
2-	INTER PIPE ماركة الصنع اوكراي السيلين اوكراني	Approved
3-	INTER PIPE ماركة الصنع اوكراي السيلين اوكراني	Approved
4-	CRANE- HATTERSLEY ماركة الصنع اوكراي السيلين اوكراني	The submitted cast iron gate valve not approved.
5-	CRANE- HATTERSLEY ماركة الصنع اوكراي السيلين اوكراني	Approved
6-	CRANE- HATTERSLEY ماركة الصنع اوكراي السيلين اوكراني	Approved
7-	missing items	contractor to submit the following: 1. sample for grooved fittings and grooved couplings for final approval. 2. sample for PVC and PPR pipes and fittings for final approval. 3. flexible connector flanged type as per specs. 4. hydro bladder tanks type GT-U, 16 bar operating pressure 400L. 5. hydro bladder tanks type GT-U, 10 bar operating pressure 80L. 6. Bronze ball valve.

Remarks:

- 1- Proceed with hot deep galvanization process on the steel pipes ASAP. note : galvanization shall be according to the egyptian standard code for potable water
- 2- All approved materials shall be delivered to site ASAP.
- 3- Shop drawings are not yet submitted for approval.
- 3- Time schedule to be submitted including the following: mobilization, shop drawings, material delivery to site, installation, testing and commisioning.

The above is to be considered as top urgent.



٢٠١٠/١١/٣٠	التاريخ
	نوع الطلب :-
✓	للاعتد
	للمعلومية :-
	الكود :-
A	اعتماد بدون ملاحظات
B	اعتماد بملاحظات
C	اعتماد مع إعادة التقديم
D	غير معتمدة



مشروع مبنى البورصة المصرية
B135

شركة مصر للتنمية الهندسية
ميدكوم

طلب اعتماد رسومات/مواد

MTR-MEC -034

REV: - 00

بديل	حسب مستندات التعاقد	المرق	البيان/ الوصف	عدد النسخ	مسل
رمز المقايسة	رمز المواصفات	المرق	Grooved - Coupling مرفق لسيادتك عينة من الخاص بأعمال الحريق ماركة LEDE (شاملة شهادات المنشأ والجدة الخاصة بالعينة (المذكورة) .		١
	الباب الثالث عشر				

التاريخ :- ٢٠١٠ / ١١ / ٣٠

١١ / ١٢ / ٢٠١٠

توقيع مدير المشروع :-

التاريخ :-

استلام الاستشاري :-

التاريخ :-

استلام المالك :-

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول			
تاريخ	التوقيع	الإعتماد بواسطة:	الملاحظات
٢٠٠ / - / -			الملاحظات
Approved as noted (B)			
To be complying with approved Pipes.			
٥٩ Ashraf M. 12			

تاريخ	تاريخ	اعتماد الاستشاري
٢٠٠ / - / -	١٤ / ١١ / ٢٠١٠	جماعة المهندسين الاستشاريين
٢٠٠ / - / -	١٤ / ١١ / ٢٠١٠	استلام المقاول
		شركة مصر للتنمية الهندسية

Trade: -

C:- Civil works
A:- Architectural works
E:- Electrical works
F:- Fire Fighting works
P:- Plumbing works
H:- HVAC works
L:- Landscape works

TYPE: SD-Shop drawings

MTR- materials SK- SKET
GT- Guarantee
MD- Manufactures Data
CT- Certificates
DOC- Document
TES- Test results
OT- Other

Action code

A: APPROVED
B: APPROVED AS NOT
C: NOTED FOR RESUB
D: NOT APPROVED



Schlumberger

Supervision and Construction



Management

MATERIAL SUBMITTALS

Project Name: Schlumberger - Egypt Integrated Base

Project No.: 1011

Employer: Schlumberger

Project Manager: Eng. Ashraf eldegwi

Form: HAC

To: EHAF

Subject: Fire Fighting Grooved Fittings

Material / Equipment For Approval

Description: Fire Fighting Grooved Fittings

Specification Reference: Project spec: 15300 Quantity: 7 Bill of Quantities Reference: 7

Manufacturer's Details

Manufacturer: LEDE

Model number: Serial number: NA

Country of Origin: China

Storage location: 2

Date of arrival on site: 7

* Attachments

Soft Copy + Hard copy

Package: _____

Phase: 1

Supervision consultant: EHAF

Contractor: Hassan Allam

Date: 23/03/2016

Ref.: 1011/MS/HAC/FF/16/019 Rev.03

For the Engineer use only:

INSPECTION REPORT

- 1- Physical damage?
- 2- Details given above correct?
- 3- Conforms with approved submission?
- 4- Accessories / Spare parts included?

Remarks:

Yes/No Initials Inspector engineer

Yes/No Initials Inspector engineer

To: HAC

Action Code Legend:

☐ Approval

☒ Approved as Noted

☐ Revise and Resubmit

☐ Rejected

Note:

- Production, supply and /or implementation shall proceed only when action code is 1 / or 2
- Regarding action code 3, resubmit within the limit set in the contract.
- Review does not relieve the contractor from responsibility of compliance with all requirements of contract documents.

Remarks:

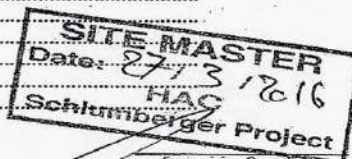
Sizes and quantities are subject to the final approval of shop drawings.
For each building and HAC's responsibility.
Country of origin certificate along with all supporting documents like
bill of lading and packing list.
Coordinate with other trades.

Actions Required:

Attachments:

From: EHAF

Date: 26-3-2016



Supervision Consultant
Authorized representative



Schlumberger

Supervision and Construction
Management

HASSAN ALLAM
CONSTRUCTION

MATERIAL SUBMITTAL (MS)

Project Name: Schlumberger – Egypt Integrated Base

Project No. : 1011

Employer: Schlumberger

Project Manager: Eng. Ashraf El Degwi

Form: HAC

To EHAF

Subject: Grooved Fitting for Compressed Air Network

Package:

Phase: 1

Supervision consultant: EHAF

Contractor: Hassan Allam

Date : 10/5/2016

Ref. : 1011/MS/HAC/PL/16/054 Rev.2



Material / Equipment For Approval

Description: Grooved Fitting for Compressed Air Network

Specification Reference : Project Spec 15131

Quantity: NA

Bill of Quantities Reference : NA

Manufacturer's Details

Manufacturer : LEDE

Model number : NA

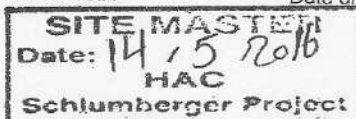
Country of origin: China

Storage location : NA

Serial number : NA

Date of arrival on site: NA

* Attachments :- ☒ Hard Copy



[Signature]
Main Contractor
Hassan Allam

Nots :-

Material Submittal is Resubmit According To RFI-Ref: 11011/RFI/HAC/Mech/16/15

For the Engineer use only :
INSPECTION REPORT



- 1- Physical damage?
- 2- Details given above correct?
- 3- Conforms with approved submission?
- 4- Accessories / Spare parts included?

Yes/No	Initials Inspector	engineer
☒	<i>[Signature]</i>	<i>[Signature]</i>
☒	<i>[Signature]</i>	<i>[Signature]</i>
☒	<i>[Signature]</i>	<i>[Signature]</i>

Remarks:

To: *HAC*

From: *EHAF*

Date: *14-5-2016*

Action Code Legend :

- ☐ Approval ☒ Approved as Noted ☐ Revise and Resubmit ☐ Rejected

Note :

- Production, supply and /or implementation shall proceed only when action code is 1 / or 2
- Regarding action code 3, resubmittal shall be within the limit set in the contract.
- Revive dose not relieve the contractor form responsibility of compliance with all requirments of contract documents.

Remarks :

** Sizes and quantities are HAC's fully responsibility and subject to final approval of all related shop drawings.*
** Subject to inspection done upon delivery on site.*

Actions Required :

** Coordinate with other trades.*
** Provide Consignment of origin certificate along with*

Attachments: *bill of lading and packing list*

Supervision Consultant
Authorized representative

[Signature]



KIR MARY

21 el fayrouz st.- el fayrouz tower- ain shams

Invoicing : (Invoicing should include TAXES) Address : EGYPTIAN FRENCH JV FOR CIVIL WORKS Accountancy Department Cairo Metro line 3 Contractors H. 45 24 el Falaky Street- Bab El Louk CAIRO EGYPT		Contact : MR. WAFEL BAHG Tel : 012 79 05 748 Mail : klr.mary@psh.com	
Cost center : 5100		PURCHASE ORDER N° 0241 / 0010 / L017172 OF 11/09/2011	
Delivery : EGYPTIAN FRENCH JV FOR CIVIL WORKS - TRAMWAY STATION Cairo Metro line 3 Tramway Station - Anasheya CAIRO EGYPT		Total amount of order : 20,290.35 EGP Type of payment : CINQUE Term : CHEQUE AGAINST DELIVERY Transport : BY YOUR MEANS INCLUDED Conditions : DELIVERY NOTE TO BE ATTACHED TO INVOICE	
PR N° : 30116057		Per/2010/01 DUBAMA ABDEL HAFEEZ Tel : 02 278 54 122 Fax : 02 279 45 561 Role : Engineer : ERIC FUMBERT	
Internal N° : 35987			

P.O. Number must be mentioned on Delivery Notes and Invoices. Without the number payment will not be processed.
 Copy of the sales tax to be provided with the Invoice.

Delivery of the goods shall be considered as formal acceptance of the purchase conditions with or without supplier's signature of this Order.

N°	Part N°	Cost	Quantity	Unit	Part Unit	Unit Price	Amount
1	SPA ELB-GROY90-6LED	5100	4430	19/09/2011	50.000 PC	370.000	13,600.00
	GROOVED ELBOW 6" - 90° LEDE ULFM					15.00	272.000
2	SPA ELB-GROY45-6LED	5100	4430	19/09/2011	20.000 PC	290.000	4,930.00
	GROOVED ELBOW 6" - 45° LEDE ULFM					15.00	246.500

Total amount supplies :	18,530.00
SALES TAX 10%	1,853.00
WITHOLDING TAX -0.5%	-92.65
Total amount TAXES included (EGP)	20,290.35



HEAD OF SECTION	HEAD OF DEPT.	DEPUTY A & T	ADM. & FIN. MANAGER	CAIRO METRO LINE 3 JV PROJECT MANAGER	THE SUPPLIER Date and signature with the Quick "sign as approved" and commercial stamp.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i> 18/9/2011	<i>[Signature]</i> 18.09.2011		

مشروع : الحريق بالمجمع بالاساس من اكتوبر	الوثائق : ورقية (√) عدد النسخ (1) إلكترونية () عدد النسخ ()	تاريخ : 2013/11/7	م : الشركة الشرقية (إيسترن كومبانى)
شركة المنفذة : شركة TCC للمقاولات	المهندس/حسن وهبة	الوظيفة : رئيس قطاعات المشروعات العامة والمدير التنفيذي للمجمع الصناعي بالاساس من اكتوبر ويرج العرب	شركة : شركة TCC للمقاولات
بريد الإلكتروني : موبايل :	تليفاكس :		

الغرض من الإصدار

☐ علم
 ☐ لإتخاذ إجراء
 ☒ موافقة
 ☐ لختم
 ☐

المحتويات

الوثيقة	رقم الإصدار	ملاحظات
العرض الفني الخاص ب (LEDE System Grooved Fitting) بعد المراجعة تمت الموافقة على المنتج على ان يتم التوريد خلال الوكيل - شركة كيرمارى للتوريدات الهندسية .	1	

ملاحظات : الملاحظات : صورة للسادة شركة ديتاك
 السيد المهندس/احمد السواح (المحترم)
 مدير المشروع

Since 1974
TCC
 Technical Consultation
 12/11/2013

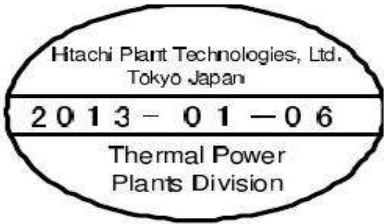
أصدرها	المراجع	المستلم

HITACHI

ENGINEERING SHEET

Doc. No.	XBH-EGME-PF-10-00754		
Revision	0	Page No.	1/50

PROJECT	 Middle Delta Electricity Production Company Banha Power Station 750 MW Combined Cycle Project
 Power Generation Engineering and Services Company	
 HITACHI Inspire the Next Hitachi Plant Technologies, Ltd.  TOYOTA TSUSHO CORPORATION	
CONTRACT NO. / SPECIFICATION NO.	10064-CP-118 / 10064-9-3PS-PY21-00001
COMPONENT IDENTIFICATION NO.	10064-9-3PS-PY21-00001
SUPPLIER	KIRMARY COMPANY FOR ENGINEERING SUPPLIES
TITLE	Piping Fitting Data Sheet For Fire Protection System

MANUFACTURER	SHANDONG LEDE MACHINERY
For Permission to Proceed This document is the property of Hitachi Plant Technologies, Ltd., Japan. This document or any information contained in this document may not be released or exploited without the written consent of Hitachi Plant Technologies. 	

Revision History					
Rev.No.	Date	Revision Details	Prepared	Checked	Approved
					✓
0	06-01-2013	Issued for review	M.Elashry / M.fakhry	Y. Aoki / M. Yamaguchi	Y.Oda

Purpose		Distribution		Issued by : Thermal Power Plant Mechanical Construction Dept.	
☒ Permission to Proceed	MDEPC	3	Toyota Tsushou	1	Date 2013-01-06
	PGESCO	3			Prepared M. elashry / M.fakhry
☐ Review					Checked Y. Aoki
☐ Information					M. Yamaguchi
☐ Final					Approved Y.Oda



10064-9-V18-PY21-00030 001
XBH-EGME-PF-10-00754 00

Supplier Document Status

CODE: 1

Code 1 = Work may proceed
 Code 2 = Revise and resubmit. Work may proceed subject to resolution of indicated comments.
 Code 3 = Rejected. Revise and resubmit. Work may not Proceed.
 Code 4 = Review not required.

Permission to proceed does not constitute acceptance or approval of design details, calculations, analyses, test methods or materials developed or selected by the Supplier and does not relieve the Supplier from full compliance with contractual obligations.

Responsible Engineer - Aty Desouky
 Date Issued - 2013/02/06 , 03:46:49 PM
 Supplier Requirement Category -
 Equipment No. -

Material Submittal Report

Project Name: Electromechanical works for SEDICO store in OCTOBER city

Type of work				Contractor	ELECON
Mech ☐ .	Elec. ☒ .	Finish ☐	Civil ☐		
request No 10	Rev: 0	Request date 15/1/2012		Items No	Material Name: Grooved connection
Supplier Name:		LEDE		Description Material: Grooved connection UL/FM approved	
Attachment Documents, Samples and catalogs					
Specifications no:					

Contractor

Project Manager	Name: Gamal abdelnaser Signature:.....	Tech. Office Engineer	Name: Amr Shehab Signature:.....
-----------------	---	-----------------------	-------------------------------------

Inspection Result

Evaluation							Date Receive: -- / -- / ----	
Approved	1	Approved as noted	2	Resubmit	3	Rejected	4	Receiver:.....

Recommendation:

Rec-226

15-02-2012

Approved

22/2/02

Project Management:

Project manager	Name : Signature : Date : --- / --- / ---	Consultant	Name : Signature : Date : --- / --- / ---
-----------------	---	------------	---



FACTORY MILL CERTIFICATE



NO.3998, WEST WAIHUAN NO. ROAD, WEIFANG CITY, SHANDONG, P.R. CHINA

BUYER:KIR MARY IMPORT AND EXPORT

ADD:5A khaled ebn el waleed St, Sheraton buildings- Cairo , Egypt

Fittings												
Material	ASTM A536 62-45-12/QT450-13											
Mechanical Property	Elongation at Break(%)				Tensile Strength(Mpa)				Yield Strength(Mpa)			
	18.1				512				422			
Component Elements(%)	C	Ce	Cr	Cu	Fe	Mg	Mn	Mo	Ni	P	Si	S
	3.800	0.006	0.040	0.150	94.050	0.030	0.160	0.030	0.050	0.020	2.750	0.002
Conclusion: The material for the casted body of Grooved Fittings Conforms to ASTM A 536												
Coupling +Bolts & nuts												
Material	ASTM A536 62-45-12/QT450-13											
Mechanical Property	Elongation at Break(%)				Tensile Strength(Mpa)				Yield Strength(Mpa)			
	18.1				512				422			
Component Elements(%)	C	Ce	Cr	Cu	Fe	Mg	Mn	Mo	Ni	P	Si	S
	3.800	0.006	0.040	0.150	94.050	0.030	0.160	0.030	0.050	0.020	2.750	0.002
Bolt Property	ISO898											
	Elongation after Break(%)				Tensile Strength(N/mm2)				Yield Strength(N/mm2)			
	20				850				694			
Conclusion: The material for the casted body of Grooved Fittings Conforms to ASTM A 536 The material for the bolts and nuts Conforms to ISO898(equate to to ASTM A183)												
EPDM(D2000)Rubber Gasket												
Rubber No.	7110404169			Temperture	23℃			Inspection No.C1509				
Items				Specifications			Inspection		Conlusion		Test	
Normal	Hardness(shoreA) (Rubber size)		33~76	55~60			58		OK		GB/T531	
			89~219	60~65			63					
			≥273	63~68			65					
	Tensile strength(Mpa)		≥11			14.98		OK		GB/T528		
	Ultimate elongation(%)		≥350			366.40		OK				
Heat aged125℃*70H	Change in hardness(max)		≤+10			3		OK		GB/T3512		
	Change in tensile		≤-20			-5.62		OK				
	Change in ultimate		≤-40			-18.23		OK				
	Compression permanent		≤30			16.64		OK				
Conlusion:Rubber Compound are in accordance with EPDM(D2000) standard												
Hydrostatic test												
All the products except grooved flange can pass the test as follows												
1. Hydrostatic pressure test:600Psi/5minutes no leakage												
2. Breakage pressure test: 1200Psi/5minutes no leakage												
For grooved flange, the test pressure is as follows:												
1. Hydrostatic pressure test:500Psi/5minutes no leakage												
2. Breakage pressure test: 1000Psi/5minutes no leakage												



TEST CERTIFICATES



**CENTRAL METALLURGICAL RESEARCH
AND DEVELOPMENT INSTITUTE,**

إدارة الشؤون الهندسية

تقرير ضغط

تاريخ الاصدار: ٢٠٢١/١٢/٢٩			
اسم العميل	الشركة الصينية البرج الايقوني		
عدد العينات	١	شكل العينات	٢١/٥٤٣٥
بيانات العينات	عنه مجمعه من pipe with grooved fitting	الرقم الكودي للعينات Heat No	
	Pip350mm (LEDE)Grooved elbow 90-350mm x GQT01 (LEDE)Grooved Tee 350mm XQT 03 (LEDE)Grooved reducer350-250mm XQT 03 (LEDE)Grooved coupling 250mm XQT 1 (LEDE)Grooved End cop 250 mm XQT 06		
تاريخ استلام العينات	٢٠٢١/١٢/٢٩	تاريخ إجراء الاختبار	٢٠٢١/١٢/٢٩
الجهاز المستخدم	طلبة ضغط		
رقم الملف	١٧١٤	عدد صفحات التقرير	١

نتائج الاختبار

تم اختبار العينة تحت ضغط ٤٠ بار لمدة ٣٠ ثانية ولم يحدث أى انهيار

- نتائج الاختبارات تمثل العينة المقدمة للمركز فقط

ولاتمثل الإنتاج أو أى كميات أخرى طرف جهة تقديم العينة

- التقارير التى يصدرها المركز سرية وتخص الجهة الطالبة وحدها ولايجوز إعطاء صورة منها

لأى جهة أخرى.

- تتقضى مسؤولية المركز عن تسليم باقى العينات له خلال ٣٠ يوما من صدور التقرير أو

إستفاد العينة فى الاختبارات

مدير ادارة الخدمات الفنية

المسئول الفنى

القائم بالعمل



Handwritten signature in blue ink.

Handwritten signature in blue ink.



TEST CERTIFICATE

Certificate No : MCL / 1351701G/A
Customer Name : شركة كيرمارى للتوريدات الهندسية والاستيراد والتصدير والتوكيلات التجارية
Customer Address : ١٥ شارع خالد ابن الوليد- شيراتون هليوبليس- القاهرة
Project Name : مشروع الكيان بالعاصمة الادارية الجديدة- 110 Ministry of Defense
Consultant Name : للاستشارات الهندسية SABBOUR
Sample Description : 2" * 1" XGQT04 LEDE Grooved Mechanical Tee Sample (prepared by the customer) with printed data: LEDE XGQT04- 603X
Test Description : Hydrostatic test up to 27 bar
Test Duration : 15 minuets
Received Date : 15/05/2017
Date of Test : 21/05/2017

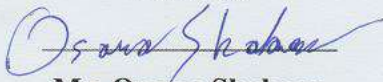
Test Result :-

The sample withstand hydrostatic pressure up to 27 bar for 15 minuets without observing any leakage or cracks from the sample body.

N.B.

- These results are only applicable for the sample supplied to the lab.

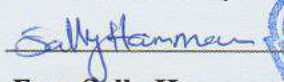
Tested by



Mr. Osama Shabaan

Lab Technician

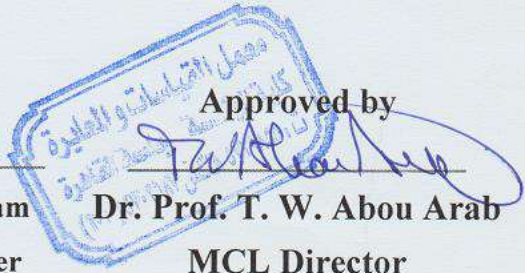
Reviewed by



Eng. Sally Hammam

Technical Manager

Approved by



Dr. Prof. T. W. Abou Arab

MCL Director

Issue Date : 24/05/2017



TEST CERTIFICATE

Certificate No : MCL / 1351701G/E
Customer Name : شركة كيرمارى للتوريدات الهندسية والاستيراد والتصدير والتوكيلات التجارية :
Customer Address : ١٥ شارع خالد ابن الوليد- شيراتون هليوبليس- القاهرة :
Project Name : مشروع الكيان بالعاصمة الادارية الجديدة- 110 Ministry of Defense :
Consultant Name : للاستشارات الهندسية SABBOUR :
Sample Description : 3" XGQT01 LEDE Grooved Elbow Sample (prepared by the customer)
with printed data: LEDE 88.9MM XGQT01
Test Description : Hydrostatic test up to 27 bar
Test Duration : 15 minuets
Received Date : 15/05/2017
Date of Test : 21/05/2017

Test Result :-

The sample withstand hydrostatic pressure up to 27 bar for 15 minuets without observing any leakage or cracks from the sample body.

N.B.

- These results are only applicable for the sample supplied to the lab.

Tested by

Mr. Osama Shabaan

Lab Technician

Reviewed by

Eng. Sally Hammam

Technical Manager

Approved by

Dr. Prof. T. W. Abou Arab

MCL Director

Issue Date : 24/05/2017



NATIONAL RESEARCH CENTER
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
Scientific Services (CUASS)
Material Test Lab.
Ceramics, Polymers and
Solid Matter Department.

المركز القومي للبحوث

الدقى - القاهرة - جمهورية مصر العربية
وحدة التحاليل والخدمات العلمية المركزية
معمل اختبار المواد
قسم السيراميك والبلاستيك والمواد الصلبة



تقرير الاختبارات

رقم التقرير	MOI 4865 08 2015
إسم الشركة أو العميل	شركة المهندسون المتخصصون والمكتب الاستشاري ECG
تاريخ الطلب	٢٠١٥/٨/٣
المنتج المطلوب إختباره	طلب إجراء اختبار الضغط الهيدروستاتيكي على عينة قطع مواسير سبمس قطر ٢ بوصة جنول ٤٠ ، عينة قطع الجروف كبلن ماركة LEDE موديل XGQT1 مقاس ٢ بوصة ، لزوم مشروع برج المراقبة بمطار القاهرة الدولي ، والوارد من شركة كيرماري للتوريدات الهندسية .
المواصفات المستخدمة	طبقا للمواصفات المعمول بها في هذا المجال
النتائج	جميع نتائج الاختبارات مدونة ومبينة بالتفصيل في صفحات التقرير المرفقة (عدد صفحات التقرير ٣ صفحات) .
الفريق العامل	كمبيوتر / نجلاء محمد عبد السميع كمبيوتر / سارة عبد الرحمن اسماعيل كمبيوتر / نهى سمير ربيع كمبيوتر / فتى سالم سيد محمود
القائمون بالتشغيل والاختبارات	هندسة مساعد / فاطمة الزهراء فكري هندسة مساعد / احمد سيد ابراهيم كيميائي / عمرو عبد الرحمن الشافعي
اشراف	أ.د/ مصطفى زكي مصطفى أ.د/ أبو الفوح عبد المنعم عبد الحكيم أ.د/ عبيد محمد محمد أبو السعود
المدير المسئول	الأستاذ الدكتور / مصطفى زكي مصطفى رئيس مجلس إدارة وحدة التحاليل والخدمات العلمية المركزية ورئيس قسم السيراميك والبلاستيك والمواد العظمية وممثل الإدارة العليا ومدير الجهة بالوكالة
تاريخ الإصدار	٢٠١٥/٨/٣
ظروف التشغيل والاختبارات	كل الاختبارات قد تمت عند ٢٣ °م ودرجة رطوبة ما بين ٥٠ - ٦٠ % مع إجراء جميع المعايير اللازمة لأجهزة القياس بصفة دائمة ومستمرة .

١٢٢١ مباشر ٢٢٢٨٧٨٠٢ شارع التحرير - الدقى - القاهرة
١٠٨٤ وفاكس

داخلى

٢٢٢٧١٦٦٥ - ٢٢٢٧١٤٤٩ - ٢٢٢٧١٢٦٢
٢٢٢٧١٦٣٥ - ٢٢٢٧١٩٣٣ - ٢٢٢٧١٧٢٨





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Material Test Lab.
Ceramics, Polymers and
Solid Matter Department.

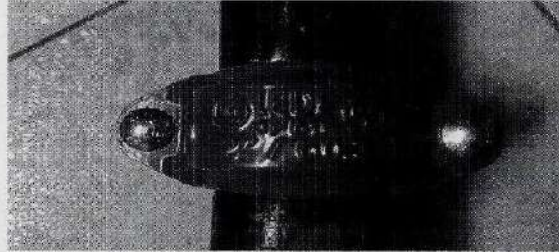
المركز القومي للبحوث

الدقى - القاهرة - جمهورية مصر العربية
وحدة التحاليل والخدمات العلمية المركزية
معمل اختبار المواد
قسم السيراميك والبلاستيك والمواد الصلبة



نتائج اختبار الضغط الهيدروستاتيكي

على عينة قطع الجروف كيلن ماركة LEDE موديل XGQT1 مقاس ٢ بوصة
لزوم مشروع برج المراقبة بمطار القاهرة الدولي والواردة من شركة كيرمارى للتوريدات الهندسية
لصالح شركة المهندسون المتخصصون والمكتب الاستشارى ECG



* تم عمل اختبار الضغط الهيدروستاتيكي الداخلى عند ٤٠ بار بار لمدة ٦٠ دقيقة عند درجة حرارة الغرفة ٢٣°م ولم يلاحظ بالعينه اى تسريب او تأثير او انبعاج او انهيار .
ونقد أعطى لكم هذا التقرير بناء على طلبكم ممثلا فقط نتائج اختبار الضغط الهيدروستاتيكي على عينة قطع مواسير سيملس قطر ٢ بوصة جدول ٤٠ ، عينة قطع الجروف كيلن ماركة LEDE موديل XGQT1 مقاس ٢ بوصة لزوم مشروع برج المراقبة بمطار القاهرة الدولي ، والواردة من شركة كيرمارى للتوريدات الهندسية ، لصالح شركة المهندسون المتخصصون والمكتب الاستشارى ECG ، ودون ائنى مسئولية تجاه قسم السيراميك والبلاستيك والمواد الصلبة بمعمل اختبار المواد بالمركز القومى للبحوث فى تحديد وانقضاء العينات المرسله للاختبار . علما بأن نتائج هذا التقرير تمثل العينات الواردة ولا تمثل أي نوعية أخرى مماثلة سوف تخزن وتشتون بمواقع التطبيق والتفتيد والاستخدام بعد سحب هذه العينة الممثلة ولا يجوز استخدام هذا التقرير فى الدعاية والإعلان عن المنتج المختبر الا بعد الرجوع الى المركز القومى للبحوث والاتفاق على ذلك .

مع ملاحظة ألا يتم نقل وتصوير هذا التقرير بما يشمله من نتائج إلا متكاملًا وموافقة مسبقة من قسم السيراميك والبلاستيك والمواد الصلبة بمعمل اختبار المواد بالمركز القومى للبحوث بالقاهرة .

رئيس مجلس إدارة وحدة التحاليل

والخدمات العلمية المركزية

ورئيس قسم السيراميك والبلاستيك

والمواد الصلبة

أ.د. مصطفى زكى مصطفى





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Scientific Services (CUASS)
Material Test Lab.
Ceramics, Polymers and
Solid Matter Department.

المركز القومي للبحوث

الدقى . القاهرة . جمهورية مصر العربية
وحدة التحاليل والخدمات العلمية المركزية
معمل اختبار المواد
قسم السيراميك والبلاستيك والمواد الصلبة



المسادة / شركة المهندسون المتخصصون والمكتب الاستشارى ECG

تحية طيبة ... وبعـد ...

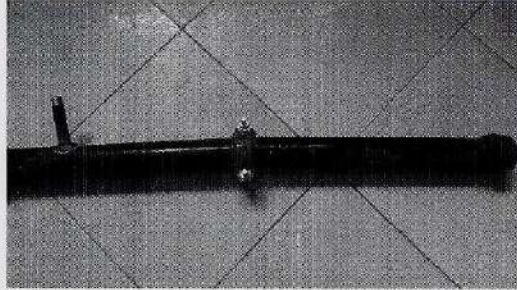
بالإشارة إلى خطاب شركة كيرمارى بتاريخ ٢٠١٥/٨/٣ بشأن إجراء اختبار الضغط الهيدروستاتيكي على عينة قطع مواسير سيملس قطر ٢ بوصة جدول ٤٠ ، عينة قطع الجروف كبلان ماركة LEDE موديل XGOT1 مقاس ٢ بوصة ، لزوم مشروع برج المراقبة بمطار القاهرة الدولي ، والواردة من شركة كيرمارى للتوريدات الهندسية .

و فيما يلى نتائج هذه الاختبارات التى تمت على العينات الواردة من قبلكم علما بأن هذه النتائج تمثل فقط العينات الواردة الى قسم السيراميك والبلاستيك والمواد الصلبة بمعمل اختبار المواد بالمركز القومي للبحوث .

نتائج اختبار الضغط الهيدروستاتيكي

على عينة قطع مواسير سيملس قطر ٢ بوصة جدول ٤٠
لزوم مشروع برج المراقبة بمطار القاهرة الدولي والواردة من شركة كيرمارى للتوريدات الهندسية

لصالح شركة المهندسون المتخصصون والمكتب الاستشارى ECG

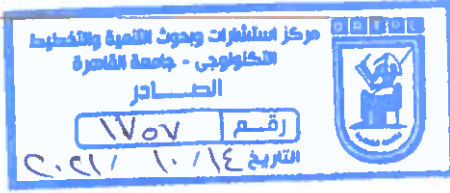


* تم عمل اختبار الضغط الهيدروستاتيكي الداخلى عند ٤٠ بار بار لمدة ٦٠ دقيقة عند درجة حرارة الغرفة ٢٣° ولم يلاحظ بالعينة اى تشقق او تأثير او انبعاج او انهيار .



٢٢٢٧١٦١٥ - ٢٢٢٧١٤٤٩ - ٢٢٢٧١٣٦٢
داخلى ١٠٨٤ وفاكس ٣٣٢٨٧٨٠٣ : مباشر ١٢٢١
شارع التحرير - الدقى - القاهرة





رقم الوارد : ٢٠٢١/١٠/١٣

رقم الصادر : ٢٠٢١/١٠/١٤

العميل شركة كير مارى للتوريدات الهندسية والتوكيلات التجارية

تقرير فنى عن كوع رقم (XGQT011-2 1/2") وحرف T رقم (LZXGQT03S)

- LEDE Grooved fitting – galvanized Elbow 45 2 ½ (Model X GQT011) UL FM
- LEDE Grooved fitting – galvanized Tee 2 ½ X 2" (Model X GQT03S) UL FM

بناءً على طلب شركة كير مارى للتوريدات الهندسية والتوكيلات التجارية لاجراء اختبار الجلفنة للكوع وحرف T

- طبقا للمواصفة الامريكية رقم ASTM/ASTM A123-15 A653

و مقدمة الى استشارى مشاريع العاصمة الادارية الجديدة ومشروع حى المال و الاعمال (CBD)

و العينة موردة الينا بمعرفة العميل نفيد سيادتكم بما يلى



متوسط وزن الجلفنة (جم/م ²)	متوسط سمك الجلفنة (ميكرومتر)	توصيف القياس
441.0	63±2.5	السطح الداخلي
444.5	63±3.0	السطح الخارجي
442.75	63.25	متوسط القراءة على الوجهين

بناء على النتائج السابقة وطبقا للمواصفة ASTM A653 فإن العينات التي تم اختبارها تتطابق مع التوصيف رقم Z 700 الأمريكية

وطبقا للمواصفة رقم ASTM A 123 -15 فهي تحقق Coating Grade 85

اختبار السمية:

تم تعريض طبقة الجلفنة للعينات الى مياه بدرجات حرارة مختلفة (درجة الغليان) تم تبريدها وتحليل المياه والتأكد من وجود العناصر السامة مثل الزرنيخ ، الرصاص ، القصدير و الزنق ووجد ان طبقة الجلفنة خالية من اى نوع المواد السامة

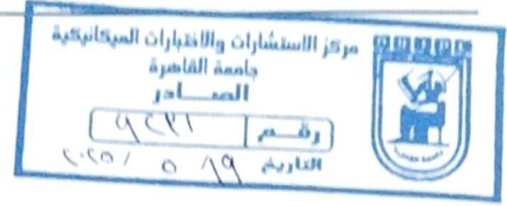
النتائج المبينة لا تمثل الا العينة التي تم اختبارها و اى استخدام لها لتمثل كميات اخرى هو مسئولية المورد

2021
14
الباحث الرئيسي

أ.د/ محمد رشاد طه

د. محمد زكي عبده





العميل: شركة الغانم انترناشونال ايجيبت	الوارد بتاريخ: ٢٠٢٥/٥/١٥
مشروع: بنك الكويت الوطني المقر الجديد (بالعاصمة الإدارية)	الصادر بتاريخ: ٢٠٢٥/٥/١٩
الاستشاري: دار الهندسة	

تقرير فني بعمل الاختبارات التالية:

- 1- Mechanical Properties
- 2- Chemical Analysis
- 3- Microstructure Investigation Report (D.I. Grade).



صورة العينة التي تم اجراء الاختبارات عليها

النتائج:

1- Mechanical Properties:

Ultimate Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)	Hardness (H B)
450	332	12	151.3

2- Chemical Analysis:

C	Si	S	P	Mn	Ni	Cr	Mg	V	Cu	Fe
3.58	2.71	0.03	0.05	0.29	0.04	0.04	0.04	0.003	0.072	Bal



الباحث الرئيسي
أ.د/ محمود كامل محمد

محمود كامل محمد
٢٠٢٥/٥/١٩



3- Microstructure Investigation:

Structure: Ferritic – Pearlite matrix

Graphite form: Type I (ASTM A247)

Nodule count: 120 nodules/mm²

Nodule shape: Mostly spherical

Percent ferrite: 70 %

Percent Pearlite: 30 %

الخلاصة:

بعد عمل الاختبارات للعينة الموضحة بالصورة والمرسلة من قبل شركتكم فقد اجتازت الاختبارات بنجاح طبقاً للمواصفة
الأمريكية ASTM A536 Grade 65-45-12

النتائج المبينة بالتقرير لا تمثل إلا العينة التي تم اختبارها وأي إسقاط لها على كميات أخرى مسئولية العميل.

الباحث الرئيسي
أ.د/ محمود كامل محمد

محمود كامل محمد
٢٠٢٥/٥/١٩



INTERNATIONAL CERTIFICATE UL / FM

Fittings, Grooved and Plain End

COMPANY

SHANDONG LEDE MACHINERY CO LTD

No 3998

West Waihuan N Rd

Weicheng District

Weifang, Shandong 261057 China

EX15229

View model for additional information

Model(s): [XGQT038](#), [XGQT072S](#)

Grooved fitting, Model(s): [011](#), [2131](#), [2231](#), [2601](#), [3131](#), [3233](#), [5113](#), [5131](#), [6131](#), [6331](#), [7131](#), [7132](#), [7232](#), [7332](#), [7333](#), [7432](#), [7501](#), [7502](#), [7503](#), [7601](#), [7602](#), [8104](#), [8114](#), [L01](#), [L981](#), [XGQT01](#), [XGQT011](#), [XGQT011L](#), [XGQT011X](#), [XGQT012](#), [XGQT013](#), [XGQT014](#), [XGQT01L](#), [XGQT01S](#), [XGQT03](#), [XGQT03+](#), [XGQT030](#), [XGQT030S](#), [XGQT03L](#), [XGQT03-R3](#), [XGQT03S](#), [XGQT05](#), [XGQT06](#), [XGQT061](#), [XGQT062](#), [XGQT07](#), [XGQT071](#), [XGQT07S](#), [XGQT08](#), [XGQTS03](#)

Last Updated on 2025-02-20

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Fittings, Rubber Gasketed

COMPANY

SHANDONG LEDE MACHINERY CO LTD

No 3998

West Waihuan N Rd

Weicheng District

Weifang, Shandong 261057 China

EX15228

Trademark and/or Tradename: "PREM", "SECURE AND SE",

LENELEDE

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Coupling, Model(s): [1402](#), [1512](#), [31HP](#), [GKS](#), [GKS+](#), [XGQT1](#), [XGQT1-M1](#), [XGQT1S](#), [XGQT2](#), [XGQT3](#), [XGQT4](#)

Flange adapter, Model(s): [L991](#), [XGQT09](#)

Flexible coupling, Model(s): [1212](#), [1403](#), [1405](#), [XGQT2](#), [XGQT2S](#)

Side outlet, Model(s): [041](#), [4101](#), [4102](#), [4201](#), [4202](#), [4401](#), [L922](#), [XGQT04](#), [XGQT04G](#)

[Last Updated](#) on 2025-08-28

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Pipes/Fittings/Couplings | Aboveground Pipe and Fittings | **Pipe Fittings**

Pipe Fittings

Product Description

Product Specification

Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
XGQT01	90° Elbow Grooved	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1, 216.3, 267.4, 318.5 mm	300	(2065)	b, c, f, g, h, i
XGQT01	90° Elbow Grooved	14, 16	250	(1720)	b, c, f, g, h, i
XGQT01S	Short Radius 90° Elbow Grooved	2, 2-1/2, 3, 4, 6, 8, 10, 12 76.1, 108, 139.7, 159, 165.1 mm	300	(2065)	b, c, f, g, h, i
L01	Long Radius 90° Elbow Grooved	1, 1 1/4, 1 1/2	300	(2065)	b, c, f, g, h, i
XGQT01L	Long Radius 90° Elbow Grooved	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300	(2065)	b, c, f, g, h, i
2601	90° Drain Elbow Grooved	1-1/2 x 1 2 x 1 2-1/2 x 1 76.1 mm x 1 3 x 1 4 x 1 139.7 mm x 1 5 x 1 165.1 mm x 1 6 x 1 8 x 1	300	(2065)	b, c, f, g, h, i
011	45° Elbow Grooved	1, 1 1/4, 1 1/2	300	(2065)	b, c, f, g, h, i
XGQT011	45° Elbow Grooved	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1, 216.3, 267.4, 318.5 mm	300	(2065)	b, c, f, g, h, i
XGQT011	45° Elbow Grooved	14, 16	250	(1720)	b, c, f, g, h, i
XGQT011L	45° Long Radius Elbow Grooved	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 139.7, 165.1 mm	300	(2065)	b, c, f, g, h, i



Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
XGQT012	22.5° Elbow Grooved	1-1/4, 1-1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 139.7, 159, 165.1, 216.3, 267.4, 318.5 mm	300	(2065)	b, c, f, g, h, i
XGQT012	22.5° Elbow Grooved	14, 16	250	(1720)	b, c, f, g, h, i
XGQT013	11.25° Elbow Grooved	1-1/4, 1-1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 139.7, 159, 165.1, 216.3, 267.4, 318.5 mm	300	(2065)	b, c, f, g, h, i
XGQT013	11.25° Elbow Grooved	14, 16	250	(1720)	b, c, f, g, h, i
XCQT014	90° Reducing End of Line Elbow	1 x 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1 2 x 1/2, 3/4, 1 2 1/2 x 1/2, 3/4, 1 76.1 mm x 1/2, 3/4, 1 3 x 1/2, 3/4, 1	300	(2065)	a, b, f, g, h, i
XGQT03	Equal Tee Grooved	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1, 216.3, 267.4, 318.5 mm	300	(2065)	b, c, f, g, h, i
XGQT03	Equal Tee Grooved	14, 16	250	(1720)	b, c, f, g, h, i
XGQTS03	Short Equal Tee Grooved	2, 2-1/2, 3, 4, 6, 8, 10, 12 76.1, 108, 139.7, 159, 165.1 mm	300	(2065)	b, c, f, g, h, i
XGQT03L	Long Equal Tee Grooved	1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300	(2065)	b, c, f, g, h, i
XGQT03-R3	Reducing Tee Grooved	1 1/2 x 1 1/4 2 x 1 1/4, 1 1/2 2 1/2 x 1-1/4, 1 1/2, 2 76.1 mm x 1-1/4, 1 1/2, 2 3 x 1-1/2, 2, 76.1 mm, 2 1/2 108 mm x 76.1 mm, 3 4 x 2, 76.1 mm, 2 1/2, 3 5 x 2, 2 1/2, 76.1mm, 3, 4 139.7 mm x 2, 76.1 mm, 2 1/2, 3, 4 159 mm x 76.1 mm, 3, 4, 139.7 mm 165 mm x 2, 76.1 mm, 3, 4, 139.7 mm 6 x 2, 2 1/2, 76.1mm, 3, 4, 5, 139.7mm 8 x 2-1/2, 76.1 mm, 3, 4, 5, 139.7 mm, 159 mm, 165.1 mm, 6 10 x 4, 6, 8, 165.1 mm 12 x 4, 6, 8, 10, 165.1 mm	300	(2065)	b, c, f, g, h, i



Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
XGQT03S	Reducing Tee (Threaded Outlet)	2 x 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 76.1 mm x 1, 1 1/4, 1 1/2, 2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2 4 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 139.7 mm x 1 1/4, 1 1/2, 2, 2 1/2, 3, 4 5 x 1 1/4, 1 1/2, 2, 2 1/2, 3, 4 6 x 2, 2 1/2, 3, 4 165.1 mm x 2, 2 1/2, 3, 4 8 x 2 1/2, 3, 4	300	(2065)	a, b, c, f, g, h, i
XGQT06	Cap Grooved	1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300	(2065)	b, c, f, g, h, i
XGQT061	Cap Grooved with threaded hole	2 x 1, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 76.1mm x 1, 1 1/4, 1 1/2, 2 3 x 1, 1 1/4, 1 1/2, 2 4 x 1, 2, 1 1/4, 1 1/2 5 x 1-1/2, 2 139.7 mm x 1-1/2, 2 6 x 1, 1-1/2, 2 165.1 mm x 1, 1-1/2, 2 8 x 1, 1-1/2, 2 10 x 1, 1-1/2, 2 12 x 1, 1-1/2, 2	300	(2065)	a, b, c, f, g, h, i
XGQT07	Concentric Reducer Grooved	1-1/4 x 1 1 1/2 x 1, 1 1/4 2 x 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 76.1 mm x 1 1/4, 1 1/2, 2 3 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 108 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 4 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm, 3 133 mm x 1, 1-1/4, 1-1/2, 276.1 mm, 3, 4 139.7 mm x 2, 2 1/2, 76.1 mm, 3, 108 mm, 4 5 x 2, 2 1/2, 76.1 mm, 3, 4 6 x 1-1/2, 2, 2 1/2, 76.1 mm, 3, 4, 133 mm, 139.7 mm, 5 159 mm x 1, 1-1/4, 1-1/2, 2, 76 mm, 3, 108 mm, 4, 139.7 mm 165.1 mm x 2, 2 1/2, 76.1 mm, 3, 108 mm, 4, 139.7 mm 8 x 2-1/2, 76.1 mm, 3, 108 mm, 4, 139.7 mm, 5, 159 mm, 6, 165 mm 10 x 108 mm, 4, 139.7 mm, 5, 159 mm, 165.1 mm, 6, 8 12 x 4, 139.7 mm, 5, 159 mm, 165.1 mm, 6, 8, 10	300	(2065)	b, c, f, g, h, i



Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
XGQT07	Concentric Reducer Grooved	14 x 10, 12 16 x 12, 14	250	(1720)	b, c, f, g, h, i
XGQT07S	Concentric Reducer Grooved x Metric Threaded Small End	2 x 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 76.1 mm x 1, 1 1/4, 1 1/2, 2 3 x 1, 1 1/4, 1 1/2, 2, 2-1/2 108 mm x 1, 1 1/4, 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 133 mm x 1, 1 1/4, 1 1/2, 2 139.7 mm x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4 5 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4 159 mm x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 165.1 mm x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4 6 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4 8 x 1, 1-1/4, 1-1/2, 2, 2 1/2, 3, 4	300	(2065)	a, b, c, f, g, h, i
XGQT05	Equal Cross Grooved	1-1/4, 1-1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300	(2065)	b, c, f, g, h, i
XGQT05	Equal Cross Grooved	14, 16	250	(1720)	b, c, f, g, h, i
XGQT08	Flange Adapter Grooved	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300	(2065)	b, c, d, f, g, h, i
L981	Flange Adapter Grooved	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	300	(2065)	b, c, e, f, g, h, i



Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
7132	Concentric Reducer	1-1/4 x 1 1-1/2 x 1, 1-1/4 2 x 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2 76.1 mm x 1, 1-1/4, 1-1/2 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm 108 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 133 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4 139.7 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4 5 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4 159 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1, 3, 108, 4, 133, 139.7, 5 165.1 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4, 133 mm, 139.7 mm, 5 6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4, 133 mm, 139.7mm, 5 216.3 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4, 133 mm, 139.7 mm, 5, 165.1 mm 8 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1, 3, 108 mm, 4, 133 mm, 139.7 mm, 5, 159 mm, 165.1 mm, 6 267.4 mm x 1, 1-1/4, 1-1/2, 2, 76.1 mm, 3, 4, 139.7 mm, 165.1 mm, 216.3 mm 10 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4, 133 mm, 139.7mm, 5, 159 mm, 165.1 mm, 6, 8 318.5 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4, 139.7 mm, 165.1 mm, 216.3 mm, 267.4 mm 12 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4, 133 mm, 139.7 mm, 5, 159 mm, 165.1 mm, 6, 8, 10	500	(3445)	b, c, f, g, h, i
7132	Concentric Reducer	14 x 139.7 mm, 5, 165.1 mm, 6, 8, 10, 12 377 mm x 139.7 mm, 5, 165.1 mm, 6, 8, 10, 12, 14 16 x 165.1 mm, 6, 8, 10, 12, 14 426 mm x 165.1 mm, 6, 8, 10, 12, 14	300	(2065)	b, c, f, g, h, i



Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
7332	Eccentric Reducer	2-1/2 x 2 76.1 mm x 2 3 x 2, 2-1/2, 76.1 mm 108 mm x 76.1 mm, 3 4 x 2, 2-1/2, 76.1 mm, 3 139.7 mm x 76.1 mm, 3, 4 5 x 2-1/2, 76.1 mm, 3, 4 159 mm x 108 mm, 4 165.1 mm x 3, 4, 139.7 mm 6 x 3, 4, 139.7 mm, 5 8 x 4, 139.7 mm, 5, 159 mm, 165.1 mm, 6 10 x 4, 165.1 mm, 6, 8 12 x 8, 10	500	(3445)	b, c, f, g, h, i
7232	Concentric Reducer (Threaded Outlet)	1-1/2 x 1, 1-1/4 2 x 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 76.1 mm x 1, 1-1/4, 1-1/2, 2 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm 108 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 133 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 139.7 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 5 x 1, 1-1/4, 1-1/2, 2, 2-12, 76.1 mm, 3, 4 159 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 165.1 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 216.3 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 8 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4	500	(3445)	a, b, c, f, g, h, i
7432	Eccentric Reducer (Threaded Outlet)	108 mm x 76.1 mm, 3 4 x 2, 2-1/2, 76.1 mm, 3 139.7 mm x 76.1 mm, 3, 4 165.1 mm x 3, 4, 139.7 mm	500	(3445)	a, b, c, f, g, h, i
7501	Reducing Adapter Nipple	1-1/4 x 1 1-1/2 x 1, 1-1/4 2 x 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 76.1 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2	300	(2065)	a, b, c, f, g, h, i
7502	Adapter Nipple	1-1/4, 1-1/2, 2, 2-1/2	300	(2065)	a, b, c, f, g, h, i



Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
7601	Reducing Adapter Nipple	1-1/4 x 1 1-1/2 x 1, 1-1/4 2 x 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 76.1 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2	300	(2065)	a, b, c, f, g, h, i
7602	Adapter Nipple	1-1/4, 1-1/2, 2, 2-1/2, 3	300	(2065)	a, b, c, f, g, h, i

Remarks:

- a. Threads per ISO RC series threads
- b. Product is marked with acceptable trade name of either "LEDE", "LEnE" or "PREM"
- c. Available with Cut Grooves
- d. Available with PN16 Flanges
- e. Available with ANSI 125/150 Flanges
- f. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish
- g. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish
- h. FM Approved for Use with a Silvery White Colored Dacromet Surface Finish
- i. FM Approved for Use with a Hot Dip Galvanized Surface Finish

Details

Category	Pipe Fittings
Class of Work	1920 - Coupling & Fitting, All Type
Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
Certification Type	FM Approved
Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.

No. 3998 West Weihuan N Rd,
Weicheng Dist, Weifang City,
Shandong 261057, China

<http://wflede.com>



Pipes/Fittings/Couplings | Aboveground Pipe and Fittings | **Pipe Fittings, Side Outlet, Rigid**

Models XGQT04, XGQT04G, 041, L922, 4102, 4202, 4401

Product Description

Product Specification

Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
XGQT04G	Mechanical Tee (Grooved Outlet)	2 x 1 1/4, 1 1/2 2 1/2 x 1 1/4, 1 1/2 76.1 mm x 1 1/4, 1 1/2 3 x 1 1/4, 1 1/2, 2 4 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm, 3 139.7 mm x 1 1/2, 2, 76.1 mm 5 x 1 1/2, 2, 2 1/2 165.1 mm x 2, 76.1 mm 6 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm, 3, 4 8 x 2, 2 1/2, 76.1 mm, 3, 4	300	(2065)	a, b, c, g, h, i, j, k, l
XGQT04G	Mechanical Tee (Grooved Outlet)	2 x 1 1/4, 1 1/2 76.1 mm x 1 1/4, 1 1/2 3 x 1 1/4, 1 1/2, 2 4 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 139.7 mm x 1 1/2, 2, 76.1 mm 6 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm	300	(2065)	d, g, h, i, j, k, l
XGQT04G	Mechanical Tee (Grooved Outlet)	4 x 3 6 x 3, 4	232	(1595)	d, g, h, i, j, k, l
XGQT04G	Mechanical Tee (Grooved Outlet)	76.1 mm x 1 1/4, 1 1/2 3 x 1 1/4, 1 1/2, 2 4 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 139.7 mm x 1 1/2, 2, 76.1 mm 6 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm	300	(2065)	e, g, h, i, j, k, l
XGQT04G	Mechanical Tee (Grooved Outlet)	4 x 3 6 x 3, 4	232	(1595)	e, g, h, i, j, k, l
XGQT04G	Mechanical Tee (Grooved Outlet)	2 x 1 1/4, 1 1/2	300	(2065)	f, g, h, i, j, k, l



Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
XGQT04	Mechanical Tee (Threaded Outlet)	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 76 mm x 1/2, 3/4, 1, 1 1/4, 1 1/2 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 108 mm x 1, 1 1/4, 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 2 1/2 5 x 1, 1 1/4, 1 1/2, 2, 2 1/2 133 mm x 1, 1 1/4, 1 1/2, 2 139.7 mm x 1, 1 1/4, 1 1/2, 2 6 x 1, 1 1/4, 1 1/2, 2, 2 1/2 159 mm x 1, 1 1/4, 1 1/2, 2 165 mm x 1, 1 1/4, 1 1/2, 2, 2 1/2 8 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	300	(2065)	a, b, c, g, h, i, j, k, l
XGQT04	Mechanical Tee (Threaded Outlet)	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 76 mm x 1/2, 3/4, 1, 1 1/4, 1 1/2 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 2 1/2 139.7 mm x 1, 1 1/4, 1 1/2, 2 6 x 1, 1 1/4, 1 1/2, 2, 2 1/2	300	(2065)	d, g, h, i, j, k, l
XGQT04	Mechanical Tee (Threaded Outlet)	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 76 mm x 1/2, 3/4, 1, 1 1/4, 1 1/2 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 2 1/2 139.7 mm x 1, 1 1/4, 1 1/2, 2 6 x 1, 1 1/4, 1 1/2, 2, 2 1/2	300	(2065)	e, g, h, i, j, k, l
XGQT04	Mechanical Tee (Threaded Outlet)	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2	300	(2065)	f, g, h, i, j, k, l
L922	Mechanical Tee (Threaded Outlet)	1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1 2 x 1/2, 3/4, 1 2 1/2 x 1/2, 3/4, 1 76.1mm x 1/2, 3/4, 1	300	(2065)	a, b, c, g, h, i, j, k, l
L922	Mechanical Tee (Threaded Outlet)	1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1 2 x 1/2, 3/4, 1 76.1mm x 1/2, 3/4, 1	300	(2065)	d, g, h, i, j, k, l
L922	Mechanical Tee (Threaded Outlet)	1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1 2 x 1/2, 3/4, 1 76.1mm x 1/2, 3/4, 1	300	(2065)	e, g, h, i, j, k, l
L922	Mechanical Tee (Threaded Outlet)	2 x 1/2, 3/4, 1	300	(2065)	f, g, h, i, j, k, l



Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
041	U-Bolt Mechanical Tee (Threaded Outlet)	1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1 2 x 1/2, 3/4, 1 2 1/2 x 1/2, 3/4, 1 76.1mm x 1/2, 3/4, 1 3 x 1	300	(2065)	a, b, c, g, h, i, j, k, l
041	U-Bolt Mechanical Tee (Threaded Outlet)	1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1 2 x 1/2, 3/4, 1 76.1mm x 1/2, 3/4, 1	300	(2065)	d, g, h, i, j, k, l
041	U-Bolt Mechanical Tee (Threaded Outlet)	1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1 2 x 1/2, 3/4, 1 76.1mm x 1/2, 3/4, 1	300	(2065)	e, g, h, i, j, k, l
041	U-Bolt Mechanical Tee (Threaded Outlet)	2 x 1/2, 3/4, 1	300	(2065)	f, g, h, i, j, k, l
4102	Mechanical Tee (Grooved Outlet)	2 x 1 1/4, 1 1/2 2 1/2 x 1 1/4, 1 1/2 76.1 mm x 1 1/4, 1 1/2, 2 3 x 1 1/4, 1 1/2, 2 108 mm x 1 1/4, 1 1/2, 2, 76.1 mm 4 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm, 3 133 mm x 1 1/4, 1 1/2, 2, 76.1 mm 139.7 mm x 1 1/2, 2, 2 1/2, 76.1 mm, 3 5 x 1 1/2, 2, 2 1/2, 76.1 mm, 3 159 mm x 2, 2 1/2, 76.1 mm, 3 165.1 mm x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm, 3, 4 6 x 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm, 3, 4 8 x 2, 2 1/2, 76.1 mm, 3, 4	300	(2065)	a, b, c, g, h, i, j, k, l
4202	Mechanical Tee (Threaded Outlet)	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 76.1 mm x 1/2, 3/4, 1, 1 1/4, 1 1/2 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 108 mm x 1, 1 1/4, 1 1/2, 2, 2 1/2 4 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 133 mm x 1, 1 1/4, 1 1/2, 2 139.7 mm x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 5 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 159 mm x 1, 1 1/4, , 1 1/2, 2 165.1 mm x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4 6 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4 8 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	300	(2065)	a, b, c, g, h, i, j, k, l



Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
4401	U-Bolt Mechanical Tee (Threaded Outlet)	1 1/4 x 1 1 1/2 x 1 2 x 1 2 1/2 x 1 76.1 x 1 3 x 1	300	(2065)	a, b, c, g, h, i, j, k, l

Remarks:

- a. Min schedule cut groove pipe to be joined: 6 in. or smaller - Schedule 40; 8 in. or larger - Schedule 30
- b. Min schedule rolled groove pipe to be joined: 6 in. or smaller - Schedule 40; 8 in. or larger - Schedule 30
- c. Min schedule rolled groove pipe to be joined: 6 in. or smaller - Schedule 10; 8 or 10 in. - 0.188 in. (5 mm) wall; 12 in. 0.250 in. (6.35 mm) wall
- d. FM Approved for Use with Rolled Groove Chinese Standard GB/T 3091 Regular pipe
- e. FM Approved for Use with Rolled Groove Chinese Standard GB/T 3091 Extra Heavy pipe
- f. FM Approved for Use with Rolled and Cut Groove Chinese Standard GB/T 3091 Extra Heavy pipe
- g. With EPDM gasket
- h. Product is marked with acceptable trade name of either "LEDE", "LENE" or "PREM"
- i. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish
- j. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish
- k. FM Approved for Use with a Silvery White Colored Dacromet Surface Finish
- l. FM Approved for Use with a Hot Dip Galvanized Surface Finish

Details

Category	Pipe Fittings, Side Outlet, Rigid
Class of Work	1920 - Coupling & Fitting, All Type
Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
Certification Type	FM Approved
Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.

No. 3998 West Weihuan N Rd,
Weicheng Dist, Weifang City,
Shandong 261057, China

<http://wflede.com>

Model XGQT4

Product Description

Pipe Description	Rated Working Pressures for Model XGQT4 Rigid Coupling by Pipe ^{a, b, c, d, e, f, g}																				
	Nominal Pipe Size																				
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	 (76.1)	3 (88.9)	(108.0)	4 (114.3)	(133.0)	(139.7)	5 (141.3)	(159.0)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	 (267.4)	10 (273.0)	(318.5)	12 (323.9)
Schedule 40, Cut Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
Schedule 40, Rolled Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
Schedule 30, Cut Groove																					
Schedule 30, Rolled Groove																					
Thinwall Pipes, Rolled Groove																					
Schedule 10, Rolled Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)	300 (2070)						
0.188" Wall, Rolled Groove																300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
Lightwall Pipes, Rolled Groove																					
Bull Moose, "EDDY-Flow"		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)												
Wheatland, "Mega-Flow"		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)						300 (2070)						
Youngstown, "Fire-flo"			300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)												
Schedule 5, Rolled Groove																					
EN 10255, Cut Groove																					
Heavy	300 (2070)	300 (2070)	300 (2070)	300 (2070)																	
EN 10255, Rolled Groove																					
Heavy	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)							
Medium	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)							
Light			300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)												
ISO 4200, Cut Groove																					
Thickness G	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)		300 (2070)		300 (2070)		300 (2070)
Thickness F				300 (2070)			300 (2070)		300 (2070)						300 (2070)		300 (2070)		300 (2070)		300 (2070)
ISO 4200, Rolled Groove																					
Thickness G	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)		300 (2070)		300 (2070)		300 (2070)
Thickness F	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)		300 (2070)		300 (2070)		300 (2070)
Thickness E	300 (2070)	300 (2070)	300 (2070)	300 (2070)			300 (2070)		300 (2070)		300 (2070)				300 (2070)		300 (2070)		300 (2070)		300 (2070)
Thickness D									300 (2070)		300 (2070)				300 (2070)				300 (2070)		300 (2070)
JIS G3452, Rolled Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)		300 (2070)		300 (2070)		300 (2070)	
GB/T 3091, Rolled Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)				

Remarks:	a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30 b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch – 0.250 in. wall c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant d.) All couplings in table above, Approved for use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Colored Epoxy Powder Coat Surface Finish e.) All couplings in table above, Approved for use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Colored Painted Surface Finish f.) All couplings in table above, Approved for use with a Silvery White Colored Dacromet Finish g.) All couplings in table above, Approved for use with a Hot Dip Galvanized Surface Finish
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Details

Category	Grooved Couplings, Standard-Rigid
Class of Work	1920 - Coupling & Fitting, All Type
Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
Certification Type	FM Approved
Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.
No. 3998 West Weihuan N Rd, Weicheng Dist, Weifang City, Shandong 261057, China
<http://wflede.com>

Model GKS

Product Description

Pipe Description	Rated Working Pressures for Model GKS Rigid Coupling by Pipe ^{a, b, c, d, e, f, g, h}																		
	Nominal Pipe Size																		
	1 (33.7)	1-1/4 (42.4)	1-1/2 (48.3)	(57.0)	2 (60.3)	2-1/2 (73.0)	(76.1)	3 (88.9)	(108.0)	4 (114.3)	(133.0)	(139.7)	5 (141.3)	(159.0)	(165.1)	6 (168.3)	8 (219.1)	10 (273.0)	12 (323.9)
Schedule 40, Cut Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
Schedule 40, Rolled Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
Schedule 30, Cut Groove																	300 (2070)	300 (2070)	300 (2070)
Schedule 30, Rolled Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thinwall Pipes, Rolled Groove																			
Schedule 10, Rolled Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)	300 (2070)			
Lightwall Pipes, Rolled Groove																			
Wheatland Tube, "Mega-Flow"		300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)						300 (2070)			
Bull Moose Tube, "EDDYFlow"		300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)									
Nucor Tubular Products Inc "Schedule 7"					300 (2070)	300 (2070)		300 (2070)		300 (2070)									
Youngstown Tube, "Fire-Flo"			300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)									
Schedule 5 Pipe, Rolled Groove																			
4.7 mm wall Rolled Groove																300 (2070)			
5.0 mm wall Rolled Groove																	300 (2070)	300 (2070)	
6.7 mm wall Rolled Groove																			300 (2070)
Chinese Standard GB/T 3091, Regular Rolled Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)			
Chinese Standard GB/T 3091, Extra Heavy Cut Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)														
Chinese Standard GB/T 3091, Extra Heavy Rolled Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)			
0.188 inch (4.78 mm) wall, Rolled Groove																	300 (2070)	300 (2070)	300 (2070)
ISO 4200, Cut Groove																			
Thickness F		300 (2070)			300 (2070)			300 (2070)		300 (2070)						300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness G	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)
ISO 4200, Rolled Groove																			
Thickness D								300 (2070)		300 (2070)						300 (2070)	300 (2070)	300 (2070)	300 (2070)

Thickness E		300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness F	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness G	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)
Remarks:	a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30 b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch – 0.250 in. wall c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant d.) Product is marked with acceptable trade name of either "LEDE", "LEnE" or "PREM" e.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish f.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish g.) FM Approved for Use with a Silvery White Colored Dacromet Surface Finish h.) FM Approved for Use with a Hot Dip Galvanized Surface Finish																		

Details

	Category	Grooved Couplings, Standard-Rigid
	Class of Work	1920 - Coupling & Fitting, All Type
	Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
	Certification Type	FM Approved
	Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.
No. 3998 West Weihuan N Rd, Weicheng Dist, Weifang City, Shandong 261057, China
<http://wflede.com>

Model 1512

Product Description

Pipe Description	Rated Working Pressures for Model 1512 Rigid Coupling by Pipe ^{a, b, c, d, e, f, g, h}																					
	Nominal Pipe Size																					
	1 (33.4)	1-1/4 (42.7)	1-1/2 (48.3)	(57.0)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(101.6)	4 (114.3)	(133.0)	(139.7)	5 (141.3)	(159.0)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267.4)	10 (273.0)	(318.5)	12 (323.9)
Schedule 40, Cut Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	400 (2760)	400 (2760)	400 (2760)	400 (2760)
Schedule 40, Roll Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	400 (2760)	400 (2760)	400 (2760)	400 (2760)
Schedule 30, Cut Groove																						
Schedule 30, Rolled Groove																						
ThinWall Pipes																						
Schedule 10, Rolled Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)						
Lightwall Pipes, Rolled Groove																						
Schedule 5 Pipe																						
EN 10220 Rolled Groove, ⁱ	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)			500 (3445)		500 (3445)		400 (2760)		400 (2760)
EN 10220 Cut Groove, ⁱ	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)			500 (3445)		500 (3445)		400 (2760)		400 (2760)
EN 10220 Rolled Groove, ^j	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)			500 (3445)						
EN 10225 Light Rolled Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)												
EN 10225 Medium and Heavy Rolled Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)										
0.188 in. wall Rolled Groove																	500 (3445)	500 (3445)	400 (2760)	400 (2760)	400 (2760)	400 (2760)
ISO 4200, Cut Groove																						
Thickness F		500 (3445)			500 (3445)			500 (3445)		500 (3445)						500 (3445)		500 (3445)		400 (2760)		400 (2760)
Thickness G	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)
ISO 4200, Rolled Groove																						
Thickness D								500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)
Thickness E		500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)
Thickness F	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)
Thickness G	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)

Remarks:

a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30

b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch – 0.250 in. wall

c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant

d.) Product is marked with acceptable trade name of either "LEDE", "LEnE" or "PREM"

e.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish

f.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish

g.) FM Approved for Use with a Silvery White Colored Dacromet Surface Finish

h.) FM Approved for Use with a Hot Dip Galvanized Surface Finish

i.) FM Approved for use with Rolled and Cut Groove EN 10220 Carbon Steel Sprinkler pipe with comparable wall thicknesses to Schedule 40 steel sprinkler pipe per ASME B36.10-2004 specifications

j.) FM Approved for use with Rolled Groove EN 10220 Carbon Steel Sprinkler pipe with comparable wall thicknesses to Schedule 10 steel sprinkler pipe per ASME B36.10-2004 specifications

Details

Category	Grooved Couplings, Standard-Rigid
Class of Work	1920 - Coupling & Fitting, All Type
Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
Certification Type	FM Approved
Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.
No. 3998 West Weihuan N Rd, Weicheng Dist, Weifang City,
Shandong 261057, China
<http://wflede.com>

Model XGQT1

Product Description

Pipe Description	Rated Working Pressures for Model XGQT1 Rigid Coupling by Pipe ^{a, b, c, d, e, f, g, h}																		
	Nominal Pipe Size																		
	1 (33.4)	1-1/4 (42.7)	1-1/2 (48.3)	(57.0)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108.0)	4 (114.3)	(133.0)	(139.7)	5 (141.3)	(159.0)	(165.1)	6 (168.3)	8 (219.1)	10 (273.0)	12 (323.9)
Schedule 40, Cut Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
Schedule 40, Roll Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
Schedule 30, Cut Groove																	300 (2070)	300 (2070)	300 (2070)
Schedule 30, Rolled Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
ThinWall Pipes																			
Schedule 10, Rolled Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)	300 (2070)			
Lightwall Pipes, Rolled Groove																			
Beck Pipe Joint Engineering A/S Model PJE Lightwall							232 (1600)	232 (1600)		232 (1600)		232 (1600)				232 (1600)	232 (1600)		
Youngstown Tube Fire-Flo			300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)									
Schedule 5 Pipe																			
Beck Pipe Joint Engineering A/S Model PJE Schedule 5	175 (1205)	175 (1205)	175 (1205)		175 (1205)														
4.7 mm wall Rolled Groove																300 (2070)			
5.0 mm wall Rolled Groove																	300 (2070)	300 (2070)	
6.7 mm wall Rolled Groove																			300 (2070)
Chinese Standard GB/T 3091, Regular Rolled Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)			
Chinese Standard GB/T 3091, Extra Heavy Cut Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)														
Chinese Standard GB/T 3091, Extra Heavy Rolled Groove	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)			
0.188 in. wall Rolled Groove																	300 (2070)		
ISO 4200, Cut Groove																			
Thickness F		300 (2070)			300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness G	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)
ISO 4200, Rolled Groove																			
Thickness D								300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness E		300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)

Thickness F	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness G	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)	300 (2070)	300 (2070)	300 (2070)

Remarks:

a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30

b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch – 0.250 in. wall

c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant

d.) Product is marked with acceptable trade name of either "LEDE", "LEnE" or "PREM"

e.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish

f.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish

g.) FM Approved for Use with a Silvery White Colored Dacromet Surface Finish

h.) FM Approved for Use with a Hot Dip Galvanized Surface Finish

Details

	Category	Grooved Couplings, Standard-Rigid
	Class of Work	1920 - Coupling & Fitting, All Type
	Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
	Certification Type	FM Approved
	Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.
No. 3998 West Weihuan N Rd, Weicheng Dist, Weifang City, Shandong 261057, China
<http://wflede.com>

Model XGQT1S

Product Description

Pipe Description	Rated Working Pressures for Model XGQT1S Rigid Coupling by Pipe ^{a, b, c, d, e, f, g}																				
	Nominal Pipe Size																				
	1 (33.7)	1-1/4 (42.4)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.0)	 (76.1)	3 (88.9)	(108.0)	4 (114.3)	(133.0)	(139.7)	5 (141.3)	(159.0)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	 (267.4)	10 (273.0)	(318.5)	12 (323.9)
Schedule 40, Cut Groove				300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)		300 (2070)
Schedule 40, Rolled Groove				300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)		300 (2070)
Schedule 30, Cut Groove																					
Schedule 30, Rolled Groove																					
Thinwall Pipes, Rolled Groove																					
Schedule 10, Rolled Groove				300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)						
0.188" (4.78 mm) Wall, Rolled Groove																	300 (2070)		300 (2070)		300 (2070)
Lightwall Pipes, Rolled Groove																					
Bull Moose Tube, "EDDY-Flow"				300 (2070)	300 (2070)		300 (2070)		300 (2070)												
Wheatland Tube, "Mega-Flow"				300 (2070)	300 (2070)		300 (2070)		300 (2070)						175 (1205)						
Youngstown Tube, "Fire-flo"				300 (2070)	300 (2070)		300 (2070)		300 (2070)												
Schedule 5, Rolled Groove																					
EN 10255 Medium, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)							
JIS G3452, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)							
GB/T 3091, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)				
ISO 4200 Thickness D, Rolled Groove									300 (2070)		300 (2070)				300 (2070)				300 (2070)		300 (2070)
ISO 4200 Thickness E, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)		300 (2070)		300 (2070)		300 (2070)
Remarks:	a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30 b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant d.) All couplings in table above, Approved for use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Colored Epoxy Powder Coat Surface Finish e.) All couplings in table above, Approved for use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Colored Painted Surface Finish f.) All couplings in table above, Approved for use with a Silvery White Colored Dacromet Finish g.) All couplings in table above, Approved for use with a Hot Dip Galvanized Surface Finish																				

Details

	Category	Grooved Couplings, Standard-Rigid
	Class of Work	1920 - Coupling & Fitting, All Type
	Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
	Certification Type	FM Approved

Company

Shandong Lede Machinery Co. Ltd.
No. 3998 West Weihuan N Rd, Weicheng Dist, Weifang City, Shandong 261057, China
<http://wflede.com>

Listing Country

China

Model 1212

Product Description

Pipe Description	Rated Working Pressures for Model 1212 Flexible Coupling by Pipe ^{a, b, c, d, e, f, g, h}																					
	Nominal Pipe Size																					
	1 (33.4)	1-1/4 (42.7)	1-1/2 (48.3)	(57.0)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(101.6)	4 (114.3)	(133.0)	(139.7)	5 (141.3)	(159.0)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267.4)	10 (273.0)	(318.5)	12 (323.9)
Schedule 40, Cut Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	400 (2760)	400 (2760)	400 (2760)	400 (2760)
Schedule 40, Roll Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	400 (2760)	400 (2760)	400 (2760)	400 (2760)
Schedule 30, Cut Groove																						
Schedule 30, Rolled Groove																						
ThinWall Pipes																						
Schedule 10, Rolled Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)						
Lightwall Pipes, Rolled Groove																						
Schedule 5 Pipe																						
EN 10220 Rolled Groove, ⁱ	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)			500 (3445)		500 (3445)		400 (2760)		400 (2760)
EN 10220 Cut Groove, ⁱ	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)			500 (3445)		500 (3445)		400 (2760)		400 (2760)
EN 10220 Rolled Groove, ^j	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)			500 (3445)						
EN 10225 Light Rolled Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)												
EN 10225 Medium and Heavy Rolled Groove	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)										
0.188 in. wall Rolled Groove																	500 (3445)	500 (3445)	400 (2760)	400 (2760)	400 (2760)	400 (2760)
ISO 4200, Cut Groove																						
Thickness F		500 (3445)			500 (3445)			500 (3445)		500 (3445)						500 (3445)		500 (3445)		400 (2760)		400 (2760)
Thickness G	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)
ISO 4200, Rolled Groove																						
Thickness D								500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)
Thickness E		500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)
Thickness F	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)
Thickness G	500 (3445)	500 (3445)	500 (3445)		500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)				500 (3445)		500 (3445)		400 (2760)		400 (2760)

Remarks:

a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30

b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch – 0.250 in. wall

c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant

d.) Product is marked with acceptable trade name of either "LEDE", "LEnE" or "PREM"

e.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish

f.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish

g.) FM Approved for Use with a Silvery White Colored Dacromet Surface Finish

h.) FM Approved for Use with a Hot Dip Galvanized Surface Finish

i.) FM Approved for use with Rolled and Cut Groove EN 10220 Carbon Steel Sprinkler pipe with comparable wall thicknesses to Schedule 40 steel sprinkler pipe per ASME B36.10-2004 specifications

j.) FM Approved for use with Rolled Groove EN 10220 Carbon Steel Sprinkler pipe with comparable wall thicknesses to Schedule 10 steel sprinkler pipe per ASME B36.10-2004 specifications

Details

Category	Grooved Couplings, Standard-Flexible
Class of Work	1920 - Coupling & Fitting, All Type
Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
Certification Type	FM Approved
Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.
No. 3998 West Weihuan N Rd, Weicheng Dist, Weifang City,
Shandong 261057, China
<http://wflede.com>

Product Description

[illegible]

Thickness F		300 (2070)			300 (2070)			300 (2070)		300 (2070)						300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness G	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)			300 (2070)			300 (2070)	300 (2070)	300 (2070)	300 (2070)
ISO 4200, Rolled Groove																			
Thickness D								300 (2070)		300 (2070)						300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness E		300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)						300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness F	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)			300 (2070)			300 (2070)	300 (2070)	300 (2070)	300 (2070)
Thickness G	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)		300 (2070)			300 (2070)			300 (2070)	300 (2070)	300 (2070)	300 (2070)
Remarks:	a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30 b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch – 0.250 in. wall c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant d.) Product is marked with acceptable trade name of either "LEDE", "LEnE" or "PREM" e.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish f.) FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish g.) FM Approved for Use with a Silvery White Colored Dacromet Surface Finish h.) FM Approved for Use with a Hot Dip Galvanized Surface Finish																		

Details

Category	Grooved Couplings, Standard-Flexible
Class of Work	1920 - Coupling & Fitting, All Type
Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
Certification Type	FM Approved
Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.
No. 3998 West Weihuan N Rd, Weicheng Dist, Weifang City,
Shandong 261057, China
<http://wflede.com>

Model XGQT2S

Product Description

Pipe Description	Rated Working Pressures for Model XGQT2S Flexible Coupling by Pipe ^{a, b, c, d, e, f, g}																				
	Nominal Pipe Size																				
	1 (33.7)	1-1/4 (42.4)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.0)	 (76.1)	3 (88.9)	(108.0)	4 (114.3)	(133.0)	(139.7)	5 (141.3)	(159.0)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	 (267.4)	10 (273.0)	(318.5)	12 (323.9)
Schedule 40, Cut Groove				300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)		300 (2070)
Schedule 40, Rolled Groove				300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)		300 (2070)
Schedule 30, Cut Groove																					
Schedule 30, Rolled Groove																					
Thinwall Pipes, Rolled Groove																					
Schedule 10, Rolled Groove				300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)						
0.188" (4.78 mm) Wall, Rolled Groove																	300 (2070)		300 (2070)		300 (2070)
Lightwall Pipes, Rolled Groove																					
Bull Moose Tube, "EDDY-Flow"				300 (2070)	300 (2070)		300 (2070)		300 (2070)												
Wheatland Tube, "Mega-Flow"				300 (2070)	300 (2070)		300 (2070)		300 (2070)						175 (1205)						
Youngstown Tube, "Fire-flo"				300 (2070)	300 (2070)		300 (2070)		300 (2070)												
Schedule 5, Rolled Groove																					
EN 10255 Medium, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)							
JIS G3452, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)							
GB/T 3091, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)				
ISO 4200 Thickness D, Rolled Groove									300 (2070)		300 (2070)				300 (2070)				300 (2070)		300 (2070)
ISO 4200 Thickness E, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)				300 (2070)		300 (2070)		300 (2070)		300 (2070)
Remarks:	a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30 b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant d.) All couplings in table above, Approved for use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Colored Epoxy Powder Coat Surface Finish e.) All couplings in table above, Approved for use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Colored Painted Surface Finish f.) All couplings in table above, Approved for use with a Silvery White Colored Dacromet Finish g.) All couplings in table above, Approved for use with a Hot Dip Galvanized Surface Finish																				

Details

	Category	Grooved Couplings, Standard-Flexible
	Class of Work	1920 - Coupling & Fitting, All Type
	Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
	Certification Type	FM Approved

Company

Shandong Lede Machinery Co. Ltd.
No. 3998 West Weihuan N Rd, Weicheng Dist, Weifang City, Shandong 261057, China
<http://wflede.com>

Listing Country

China

Model L991

Product Description

Product Specification

Model No	Nominal Pipe Size, in	Rated Working Pressure		Bolt Pattern	Remarks
		psi	(kPa)		
Model L991	2, 2 1/2, 3, 4, 5, 6	300	(2065)	ANSI 125, 150	a, b, c, d, e, f, g, h, i
Model L991	8, 10, 12	250	(1720)	ANSI 125, 150	a, b, c, d, e, f, g, h, i

- Remarks:**
- a. Min schedule cut groove pipe to be joined: 6 in. or smaller - Schedule 40; 8 in. or larger - Schedule 30
 - b. Min schedule rolled groove pipe to be joined: 6 in. or smaller - Schedule 40; 8 in. or larger - Schedule 30
 - c. Min schedule rolled groove pipe to be joined: 6 in. or smaller - Schedule 10; 8 or 10 in. - 0.188 in. (5 mm) wall; 12 in. 0.250 in. (6.35 mm) wall
 - d. With EPDM gasket
 - e. Product is marked with acceptable trade name of either "LEDE", "LEnE" or "PREM"
 - f. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish
 - g. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish
 - h. FM Approved for Use with a Silvery White Colored Dacromet Surface Finish
 - i. FM Approved for Use with a Hot Dip Galvanized Surface Finish

Details

Category	Grooved Split Flanges, Flexible
Class of Work	1920 - Coupling & Fitting, All Type
Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
Certification Type	FM Approved
Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.
No. 3998 West Weihuan N Rd,
Weicheng Dist, Weifang City,
Shandong 261057, China
<http://wflede.com>

Model XGQT09

Product Description

Product Specification

Model No	Nominal Pipe Size, in	Rated Working Pressure		Bolt Pattern	Remarks
		psi	(kPa)		
XGQT09	4 76.1 mm	175	(1205)	ISO PN 16	d, e, f, g, h, i, j
XGQT09	2, 2 1/2, 3, 4, 5, 6, 8 76.1, 108, 139.7, 159, 165.1 mm	300	(2065)	ISO PN 16	a, b, c, e, f, g, h, i, j

- Remarks:**
- a. Min schedule cut groove pipe to be joined: 6 in. or smaller - Schedule 40; 8 in. or larger - Schedule 30
 - b. Min schedule rolled groove pipe to be joined: 6 in. or smaller – Schedule 40; 8 in. or larger – Schedule 30
 - c. Min schedule rolled groove pipe to be joined: 6 in. or smaller - Schedule 10; 8 or 10 in. - 0.188 in. (5 mm) wall; 12 in. 0.250 in. (6.35 mm) wall
 - d. FM Approved for use with Rolled Groove EN 10255 Medium and Heavy Aboveground Steel Sprinkler Pipe
 - e. With EPDM gasket
 - f. Product is marked with acceptable trade name of either "LEDE", "LEnE" or "PREM"
 - g. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish
 - h. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish
 - i. FM Approved for Use with a Silvery White Colored Dacromet Surface Finish
 - j. FM Approved for Use with a Hot Dip Galvanized Surface Finish

Details

Category	Grooved Split Flanges, Flexible
Class of Work	1920 - Coupling & Fitting, All Type
Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
Certification Type	FM Approved
Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.
 No. 3998 West Weihuan N Rd,
 Weicheng Dist, Weifang City,
 Shandong 261057, China
<http://wflede.com>

Model XGQT3

Product Description

Product Specification

Model No	End Connection	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
XGQT3	Rolled Groove, Cut Groove	1 1/2 x 1 1/4 2 x 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 76.1 mm x 1 1/2, 2, 2 1/2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 4 x 2, 2 1/2, 76.1 mm, 3 139.7 mm x 4 5 x 4 165.1 mm x 2 1/2, 76.1 mm, 3, 108mm, 4 6 x 2 1/2, 76.1 mm, 3, 4, 5, 165.1 mm 8 x 4, 6	300	(2065)	a, b, f, g, h, i, j, k, r, s
XGQT3	Rolled Groove	1 1/2 x 1 1/4 2 x 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 76.1 mm x 1 1/2, 2, 2 1/2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 4 x 2, 2 1/2, 76.1 mm, 3 139.7 mm x 4 5 x 4 165.1 mm x 2 1/2, 76.1 mm, 3, 108mm, 4 6 x 2 1/2, 76.1 mm, 3, 4, 5, 165.1 mm 8 x 4, 6	300	(2065)	c, f, g, h, i, j, k, t
XGQT3	Rolled Groove	1 1/2 x 1 1/4 2 x 1 1/4, 1 1/2 76.1 mm x 1 1/2, 2, 2 1/2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 4 x 2, 2 1/2, 76.1 mm, 3 139.7 mm x 4 165.1 mm x 2 1/2 x 76.1 mm, 3. 108 mm, 4 6 x 76.1 mm, 5, 165.1 mm 8 x 4	300	(2065)	d, e, f, g, h, i, j, k
XGQT3	Rolled Groove, Cut Groove	2 x 1 1/2	300	(2065)	e, f, g, h, i, j, k
XGQT3	Rolled Groove	1 1/2 x 1 1/4 2 x 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 76.1 mm x 1 1/2, 2, 2 1/2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 4 x 2, 2 1/2, 76.1 mm, 3	300	(2065)	f, g, h, i, j, k, l

Model No	End Connection	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
XGQT3	Rolled Groove	1 1/2 x 1 1/4 2 x 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 76.1 mm x 1 1/2, 2, 2 1/2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 4 x 2, 2 1/2, 76.1 mm, 3 139.7 mm x 4 165.1 mm x 2 1/2, 76.1 mm, 3, 108 mm, 4	300	(2065)	f, g, h, i, j, k, m
XGQT3	Rolled Groove	3 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 4 x 2, 2 1/2, 76.1 mm, 3 139.7 mm x 4 6 x 2 1/2, 76.1 mm, 3, 4, 5, 165.1 mm 8 x 4, 6	300	(2065)	f, g, h, i, j, k, n
XGQT3	Rolled Groove	1 1/2 x 1 1/4 2 x 1 1/4, 1 1/2 76.1 mm x 1 1/2, 2, 2 1/2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 4 x 2, 2 1/2, 76.1 mm, 3 139.7 mm x 4 6 x 2 1/2, 76.1 mm, 3, 4, 5, 165.1 mm 8 x 4, 6	300	(2065)	f, g, h, i, j, k, o
XGQT3	Rolled Groove, Cut Groove	2 x 1 1/4, 1 1/2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 4 x 2, 2 1/2, 76.1 mm, 3 6 x 2 1/2, 76.1 mm, 3, 4, 5, 165.1 mm 8 x 4, 6	300	(2065)	f, g, h, i, j, k, p
XGQT3	Rolled Groove	1 1/2 x 1 1/4 76.1 mm x 1 1/2, 2, 2 1/2 139.7 mm x 4	300	(2065)	f, g, h, i, j, k, p
XGQT3	Rolled Groove, Cut Groove	1 1/2 x 1 1/4 2 x 1 1/4, 1 1/2 76.1 mm x 1 1/2, 2, 2 1/2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76.1 mm 4 x 2, 2 1/2, 76.1 mm, 3 139.7 mm x 4 6 x 2 1/2, 76.1 mm, 3, 4, 5, 165.1 mm 8 x 4, 6	300	(2065)	f, g, h, i, j, k, q
XGQT3	Rolled Groove	1-1/2 x 1-1/4 2 x 1-1/4, 1-1/2 2-1/2 x 1-1/4, 1-1/2, 2 3 x 1-1/4, 1-1/2, 2, 2-1/2 4 x 2, 2-1/2, 3 6 x 4	300	(2065)	f, g, h, i, j, k, u, v, x
XGQT3	Rolled Groove	2 x 1-1/4, 1-1/2 2-1/2 x 1-1/4, 1-1/2, 2 3 x 1-1/4, 1-1/2, 2, 2-1/2 4 x 2, 2-1/2, 3 6 x 4	300	(2065)	f, g, h, i, j, k, w

Remarks:

- a. Min schedule cut groove pipe to be joined: 6 in. or smaller - Schedule 40/EN 10220 Schedule 40 Equivalent; 8 in. or larger - Schedule 30
- b. Min schedule rolled groove pipe to be joined: 6 in. or smaller - Schedule 40/EN 10220 Schedule 40 Equivalent; 8 in. or larger - Schedule 30
- c. Min schedule rolled groove pipe to be joined: 6 in. or smaller - Schedule 10/EN 10220 Schedule 10 Equivalent; 8 or 10 in. - 0.188 in. (5 mm) wall; 12 in. 0.250 in. (6.35 mm) wall
- d. FM Approved for Use with Chinese Standard GB/T 3091 Regular pipe
- e. FM Approved for Use with Chinese Standard GB/T 3091 Extra Heavy pipe
- f. With EPDM gasket
- g. Product is marked with acceptable trade name of either "LEDE", "LENE" or "PREM"
- h. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Painted Surface Finish
- i. FM Approved for Use with either a Red, Orange, Black, Yellow, Blue, Green or Silver Epoxy Powder Coat Surface Finish
- j. FM Approved for Use with a Silvery White Colored Dacromet Surface Finish
- k. FM Approved for Use with a Hot Dip Galvanized Surface Finish
- l. FM Approved for Use with EN 10255 Light pipe
- m. FM Approved for Use with EN 10255 Medium and Heavy pipe
- n. FM Approved for Use with ISO 4200 Thickness D
- o. FM Approved for Use with ISO 4200 Thickness E
- p. FM Approved for Use with ISO 4200 Thickness F
- q. FM Approved for Use with ISO 4200 Thickness G
- r. Min schedule cut groove pipe to be joined: 6 in. or smaller - EN 10220 Schedule 40 Equivalent
- s. Min schedule rolled groove pipe to be joined: 6 in. or smaller - EN 10220 Schedule 40 Equivalent
- t. Min schedule rolled groove pipe to be joined: 6 in. or smaller - EN 10220 Schedule 10 Equivalent
- u. FM Approved for Use with Wheatland Tube Mega-Flow Non-Threadable Lightwall Pipe
- v. FM Approved for Use with Bull Moose Tube EDDYFlow Non-Threadable Lightwall Pipe
- w. FM Approved for Use with Nucor Tubular Products Inc Schedule 7 Non-Threadable Lightwall Pipe
- x. FM Approved for Use with Youngstown Tube Fire-Flo Mega-Flow Non-Threadable Lightwall Pipe

Details

Category	Grooved Couplings, Reducing-Flexible
Class of Work	1920 - Coupling & Fitting, All Type
Approval Standard	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
Certification Type	FM Approved
Listing Country	China

Company

Shandong Lede Machinery Co. Ltd.
 No. 3998 West Weihuan N Rd,
 Weicheng Dist, Weifang City,
 Shandong 261057, China
<http://wflede.com>



CERTIFICATE

IQNet and
CQC
hereby certify that the organization

Shandong Lede Machinery Co., Ltd.

No.3998, West Waihuan N. Road, Weicheng District, Weifang City, Shandong Province, P.R.China

For the following field of activities
Production of Grooved Couplings and Fittings

Has implemented and maintains a
Management System
Which fulfils the requirements of the following standard

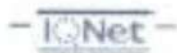
ISO9001:2008

Exclusions: Design and Development Requirement

Issued on: **Mar. 16, 2010**

Validity date: **Mar. 15, 2013**

Registration Number: **00110Q22604R2M/3700**



René Wasmser
President of IQNet

Wang Keqiao
President of CQC



*IQNet Partners**

AENOR Spain AENOR Certification France ABB Vinyon International Belgium ANCE Mexico APVCR Portugal CDSQ Italy
CQC China CQM China CQN Czech Republic CRO Cert Croatia DQS Holding GmbH Germany FDS Denmark FLOS Greece
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IRAM Argentina IQA Aquin ELQ Korea MSZT Hungary NENKO AS Norway NSAI Ireland NCB Poland
Quality Austria Austria RR Russia MI Israel SIQ Morocco SIRM QAS International Malaysia SGS Switzerland SRAC Romania
TSE St Petersburg Russia TSE Zurich STQS Serbia

IQNet is represented in the USA by: AENOR Certification, CDSQ, DQS Holding GmbH and NSAI Inc.

*The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

VERIFICATION OF COMPLIANCE



Certificate No. AC/0221109

Applicant : WEIFANG LEDE MACHINERY CO., LTD.

Address of Applicant : NO.3998, WEST WAIHUAN NORTH ROAD, WEIFANG CITY, P.R.CHINA

Manufacturer : WEIFANG LEDE MACHINERY CO., LTD.

Address of Manufacturer : NO.3998, WEST WAIHUAN NORTH ROAD, WEIFANG CITY, P.R.CHINA

Product Description : Grooved Coupling and Fittings

Type and Model : XGQT1, XGQT2, XGQT3, XGQT01, XGQT02, XGQT03,
XGQT04, XGQT05, XGQT06, XGQT07, XGQT08, XGQT09,
XGQT011, XGQT012, XGQT013, XGQT41, XGQT61

Referenced No./Rev : STT/09T1410-GPSD

Directive(s) : 2001/95/EC

Date Of Issuance : Nov. 16, 2009

Remarks : This Certificate Is Only Valid For The Equipment And Configuration
Described, And In Conjunction With The Test Data Detailed Above.

Conclusion of Assessment :

The CE mark as show below can be used, under the responsibility of the manufacturer or the importer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives.

Chief Assessor:

A handwritten signature in black ink, appearing to be 'P. R. W.', written over a faint circular stamp.

Auger Certification & Testing Service LTD.



AUGER CERTIFICATION & TESTING SERVICE LTD
SUITE 8525, 16-18 CIRCUS ROAD, ST.JOHN'S WOOD, LONDON, NW8 6PG
info@augeruk.org



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00120Q37137R2M/3700

We hereby certify that

AQUA CASTING INC.

Unified Social Credit Code: 913707000931839781

West of Haiyun Road and North of Zhujiang East 2 Street, Binhai Economic Development District, Weifang
City, Shandong Province, P.R. China

by reason of its
Quality Management System
has been awarded this certificate for compliance with the standard

GB/T 19001-2016 / ISO 9001:2015

The Quality Management System Applies in the following area:

Design, Production of the Valves ($\leq 2.5\text{MPa}$) and Grooved Couplings and Fittings ($\leq 7.5\text{MPa}$)

Certified since: August 8, 2017 Valid from: September 8, 2020 Valid until: August 7, 2023

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC.
Please access www.cqc.com.cn for checking validity of the certificate.

This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's
Republic of China (www.cca.gov.cn).



QUALITY
MANAGEMENT SYSTEM
CERTIFICATION
CQC-CO-14

陆楠
Signed for: Lu Nan

ICNet



CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.108, Nanhuanghe South Fourth Ring Road, Xifeng West Road, Beijing 100070, China
<http://www.cqc.com.cn>

A-0079276

2019年8月

Certificate of Product Approval

Certificate Number: 1433a

Issue: 01

Shandong Lede Machinery Co. Ltd.

No. 3998 West Waihuan N. Road
Weicheng District
Weifang City
Shandong Province
261057
China

is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

Products

`LEDE` and `PREM` Pipe couplings and fittings
(refer to attached appendix for details)

Standards

LPS 1219: Issue 3.1
Requirements and Testing Procedures for the LPCB Approval and Listing of Pipe Couplings

This certificate and appendix is maintained and held in force through regular surveillance activities

A. Roberts

Signed for BRE Global Ltd.

Alex Roberts

Verifier

1 November 2019

Date of Issue

1 November 2019

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX

T: +44 (0)333 321 8811 E: enquiries@breglobal.com

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bre

Anerkennung

von Bauteilen und Systemen

Approval

of Components and Systems

Inhaber der Anerkennung
Holder of the Approval

Shandong Lede Machinery Co. Ltd.
No. 3998, West Waihuan North Road
CN-261057 Weifang City, Shandong Province

Anerkennungs-Nr. Approval No.	Anzahl der Seiten No. of pages	gültig vom (TT.MM.JJJJ) valid from (dd.mm.yyyy)	gültig bis (TT.MM.JJJJ) valid until (dd.mm.yyyy)
G 417013	4	06.04.2017	05.04.2021

Gegenstand der Anerkennung
Subject of the Approval

Rohrkupplung / Pipe coupling
"1512"

Verwendung
Use

in ortsfesten Wasserlöschanlagen
in stationary water extinguishing systems

Anerkennungsgrundlagen
Basis of the Approval

VdS 2344:2014-07
VdS 2100-06:2004-01

Die Anerkennung

umfasst nur das angegebene Bauteil/System in der zur Prüfung eingereichten Ausführung

- mit den Bestandteilen nach Anlage 1,
- dokumentiert in den technischen Unterlagen nach Anlage 2,
- zur Verwendung in den angegebenen Einrichtungen der Brandschutz- und Sicherungstechnik

Bei der Anwendung des Gegenstandes der Anerkennung sind die Hinweise nach Anlage 3 zu beachten.

Das Zertifikat darf nur unverändert und mit sämtlichen Anlagen vervielfältigt werden. Alle Änderungen der Voraussetzungen für die Anerkennung sind der VdS-Zertifizierungsstelle - mitsamt den erforderlichen Unterlagen - unverzüglich zu übermitteln.

This Approval

is valid only for the specified component/system as submitted for testing

- together with the parts listed in enclosure 1
- documented in the technical documents according to enclosure 2
- for the use in the specified fire protection and security installations.

When using the subject of the approval the notes of enclosure 3 shall be observed.

This certificate may only be reproduced in its present form without any modifications including all enclosures. All changes of the underlying conditions of this approval shall be reported at once to the VdS certification body including the required documentation.

VdS Schadenverhütung GmbH
Zertifizierungsstelle
Amsterdamer Str. 174
D-50735 Köln

Ein Unternehmen des Gesamtverbandes der Deutschen Versicherungswirtschaft e.V. (GDV), durch die DAkKS akkreditiert als Zertifizierungsstelle für Produkte in den Bereichen Brandschutz und Sicherungstechnik

A company of the German Insurance Association (GDV) accredited by DAkKS as certification body for fire protection and security products

Köln, den 06.04.2017

Dr. Reinermann

Geschäftsführer
Managing Director

i. V. Hesels

Leiter der Zertifizierungsstelle
Head of Certification Body

Deutsche
Akkreditierungsstelle
D-ZE-11149-01-01

Anerkennung

von Bauteilen und Systemen

Approval

of Components and Systems

Inhaber der Anerkennung
Holder of the Approval

Shandong Lede Machinery Co. Ltd.
No. 3998, West Waihuan North Road
CN-261057 Weifang City, Shandong Province

Anerkennungs-Nr. Approval No.	Anzahl der Seiten No. of pages	gültig vom valid from	gültig bis valid until
G 417034	4	07.08.2017	06.08.2021

Gegenstand der Anerkennung
Subject of the Approval

Rohrkupplung / Pipe coupling
"1212"

Verwendung
Use

in ortsfesten Wasserlöschanlagen
in stationary water extinguishing systems

Anerkennungsgrundlagen
Basis of the Approval

VdS 2344:2014-07
VdS 2100-06:2004-01

Die Anerkennung

umfasst nur das angegebene Bauteil/System in der zur Prüfung eingereichten Ausführung

- mit den Bestandteilen nach Anlage 1,
- dokumentiert in den technischen Unterlagen nach Anlage 2,
- zur Verwendung in den angegebenen Einrichtungen der Brandschutz- und Sicherungstechnik

Bei der Anwendung des Gegenstandes der Anerkennung sind die Hinweise nach Anlage 3 zu beachten

Das Zertifikat darf nur unverändert und mit sämtlichen Anlagen vervielfältigt werden. Alle Änderungen der Voraussetzungen für die Anerkennung sind der VdS-Zertifizierungsstelle - mitsamt den erforderlichen Unterlagen - unverzüglich zu übermitteln.

This Approval

is valid only for the specified component/system as submitted for testing

- together with the parts listed in enclosure 1
- documented in the technical documents according to enclosure 2
- for the use in the specified fire protection and security installations.

When using the subject of the approval the notes of enclosure 3 shall be observed.

This certificate may only be reproduced in its present form without any modifications including all enclosures. All changes of the underlying conditions of this approval shall be reported at once to the VdS certification body including the required documentation.

VdS Schadenverhütung GmbH
Zertifizierungsstelle
Amsterdamer Str. 174
D-50735 Köln

Ein Unternehmen des Gesamtverbandes der Deutschen Versicherungswirtschaft e.V. (GDV), durch die DAkkS akkreditiert als Zertifizierungsstelle für Produkte in den Bereichen Brandschutz und Sicherungstechnik

A company of the German Insurance Association (GDV) accredited by DAkkS as certification body for fire protection and security products

Köln, den 07.08.2017

Dr. Reinermann

Geschäftsführer
Managing Director

i.V. Hesels

Leiter der Zertifizierungsstelle
Head of Certification Body

Anerkennung

von Bauteilen und Systemen

Approval

of Components and Systems



Inhaber der Anerkennung
Holder of the Approval

Shandong Lede Machinery Co. Ltd.
No. 3998, West Waihuan North Road
CN-261057 Weifang City, Shandong Province

Anerkennungs-Nr. Approval No.	Anzahl der Seiten No. of pages	gültig vom (TT.MM.JJJJ) valid from (dd.mm.yyyy)	gültig bis (TT.MM.JJJJ) valid until (dd.mm.yyyy)
G 417029	5	13.07.2017	12.07.2021

Gegenstand der Anerkennung
Subject of the Approval

Rohrformstück / Fitting
"XGQT01; XGQT011; XGQT03; XGQT06; XGQT061"

Verwendung
Use

in ortsfesten Wasserlöschanlagen
in stationary water extinguishing systems

Anerkennungsgrundlagen
Basis of the Approval

VdS 2344:2014-07
VdS 2100-30:2011-05

Die Anerkennung

umfasst nur das angegebene Bauteil/System in der zur Prüfung eingerichteten Ausführung

- mit den Bestandteilen nach Anlage 1,
- dokumentiert in den technischen Unterlagen nach Anlage 2,
- zur Verwendung in den angegebenen Einrichtungen der Brandschutz- und Sicherheitstechnik.

Bei der Anwendung des Gegenstandes der Anerkennung sind die Hinweise nach Anlage 3 zu beachten.

Das Zertifikat darf nur unverändert und mit sämtlichen Anlagen vervielfältigt werden. Alle Änderungen der Voraussetzungen für die Anerkennung sind der VdS-Zertifizierungsstelle - mitsamt den erforderlichen Unterlagen - unverzüglich zu übermitteln

This Approval

is valid only for the specified component/system as submitted for testing

- together with the parts listed in enclosure 1
- documented in the technical documents according to enclosure 2
- for the use in the specified fire protection and security installations.

When using the subject of the approval the notes of enclosure 3 shall be observed.

This certificate may only be reproduced in its present form without any modifications including all enclosures. All changes of the underlying conditions of this approval shall be reported at once to the VdS certification body including the required documentation.

VdS Schadenverhütung GmbH
Zertifizierungsstelle
Amsterdamer Str. 174
D-50735 Köln

Ein Unternehmen des Gesamtverbandes der Deutschen Versicherungswirtschaft e.V. (GDV), durch die DAkkS akkreditiert als Zertifizierungsstelle für Produkte in den Bereichen Brandschutz und Sicherheitstechnik

A company of the German Insurance Association (GDV) accredited by DAkkS as certification body for fire protection and security products

Köln, den 13.07.2017

Dr. Reiner Mann

Geschäftsführer
Managing Director

i. V. Hesels

Leiter der Zertifizierungsstelle
Head of Certification Body

Anerkennung

von Bauteilen und Systemen

Approval

of Components and Systems



Inhaber der Anerkennung
Holder of the Approval

Shandong Lede Machinery Co. Ltd.
No. 3998, West Waihuan North Road
CN-261057 Weifang City, Shandong Province

Anerkennungs-Nr. Approval No.	Anzahl der Seiten No. of pages	gültig vom valid from	gültig bis valid until
G 417022	4	18.05.2017	17.05.2021

Gegenstand der Anerkennung
Subject of the Approval

Rohrformstück / Fitting
Flanschadapter/flange adaptor "XGQT08"

Verwendung
Use

in ortsfesten Wasserlöschanlagen
in stationary water extinguishing systems

Anerkennungsgrundlagen
Basis of the Approval

VdS 2344:2014-07
VdS 2100-30:2011-05

Die Anerkennung

umfasst nur das angegebene Bauteil/System in der zur Prüfung eingereichten Ausführung

- mit den Bestandteilen nach Anlage 1,
- dokumentiert in den technischen Unterlagen nach Anlage 2,
- zur Verwendung in den angegebenen Einrichtungen der Brand- schutz- und Sicherungstechnik

Bei der Anwendung des Gegenstandes der Anerkennung sind die Hinweise nach Anlage 3 zu beachten

Das Zertifikat darf nur unverändert und mit sämtlichen Anlagen vervielfältigt werden. Alle Änderungen der Voraussetzungen für die Anerkennung sind der VdS-Zertifizierungsstelle - mitsamt den erforderlichen Unterlagen - unverzüglich zu übermitteln.

This Approval

is valid only for the specified component/system as submitted for testing

- together with the parts listed in enclosure 1
- documented in the technical documents according to enclosure 2
- for the use in the specified fire protection and security installations.

When using the subject of the approval the notes of enclosure 3 shall be observed.

This certificate may only be reproduced in its present form without any modifications including all enclosures. All changes of the underlying conditions of this approval shall be reported at once to the VdS certification body including the required documentation.

VdS Schadenverhütung GmbH
Zertifizierungsstelle
Amsterdamer Str. 174
D-50735 Köln

Ein Unternehmen des Gesamtverbandes der Deutschen Versicherungswirtschaft e.V. (IGDV), durch die DAkkS akkreditiert als Zertifizierungsstelle für Produkte in den Bereichen Brandschutz und Sicherungstechnik

A company of the German Insurance Association (IGDV) accredited by DAkkS as certification body for fire protection and security products

Köln, den 18.05.2017

Dr. Reinermann

Geschäftsführer
Managing Director

i. V. Hesels

Leiter der Zertifizierungsstelle
Head of Certification Body

Anerkennung

von Bauteilen und Systemen



Approval

of Components and Systems

Inhaber der Anerkennung
Holder of the Approval

Shandong Lede Machinery Co. Ltd.
No. 3998, West Waihuan North Road
CN-261057 Weifang City, Shandong Province

Anerkennungs-Nr. Approval No.	Anzahl der Seiten No. of pages	gültig vom (TT MM JJJJ) valid from (dd mm yyyy)	gültig bis (TT MM JJJJ) valid until (dd mm yyyy)
G 417023	4	01.06.2017	31.05.2021

Gegenstand der Anerkennung
Subject of the Approval

Rohrformstück / Fitting
"XGQT07"

Reduzierstück konzentrisch/grooved concentric reducer

Verwendung
Use

in ortsfesten Wasserlöschanlagen
in stationary water extinguishing systems

Anerkennungsgrundlagen
Basis of the Approval

VdS 2344:2014-07
VdS 2100-30:2011-05

Die Anerkennung

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Köln, den 01.06.2017

Dr. Reinermann

Geschäftsführer
Managing Director

i. V. Hesels

Leiter der Zertifizierungsstelle
Head of Certification Body

Deutsche
Akkreditierungsstelle
D-ZE-11149-01-01

FITTING SPECIFICATION

Castings

Chemical composition are strictly controlled for every batch of castings, bottom inspection will be conducted for every furnace with tensile bars to trace back, to assure the castings to meet the requirements of ASTM 536 and ISO1083.



Bolts and Nuts

Made of excellent carbon steel, heat treated, zinc electroplated, conform to ASTM A183/ISO 898.



Gaskets

Material	Applied Temperature	Color	Applied field
EPDM	-34°C~+110°C	Black	Water, non-oil gas, diluted acid, alkaline salt, and multi-chemicals free of hydrocarbon. Oil-like mediums are forbidden.
Silica gel	-40°C~+177°C	White	Drinking water, hot water, high-temperature air and some high-temperature chemicals. Oil like mediums are forbidden.



Finish

All the castings are treated with sand blasting before finishing, for different environment, different finishes are recommended, like epoxy powder, paint, dacromat to meet different requirements of the clients.

