

History

Castle Engineering Industries has been established in Abu Rawash Industrial Zone, Giza, Egypt with a specialization in HVAC systems. With over two decades of professional management, the Castle team has utilized its extensive experience to provide exceptional operational expertise to the Egyptian market. Collaborative agreements with prominent contractors have facilitated Castle in supplying ductworks and accessories like flexible duct connectors..., air outlets, dampers, sound attenuators, variable air volume systems, fan coils, garbage chutes, and cable tray systems for some of Egypt's most significant projects, all executed with precision. Over time, Castle has consistently met market demands and gained widespread recognition.

Castle Is an ISO(IGC) Certified Company (ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007) following the HS&E Regulations, implementing its own Policies.

Castle production has been approved by IGC (Institute of Global Certification), as well as by the major International Consultants, since its method of manufacturing complies with the International Standards, such as SMACNA and DW144, with their latest versions, since its production line meets its Standards & Regulations.

Castle proudly gathers the most expertise and highly motivated staff; it currently consists of One Hundred professional employees, skilled manpower; and yet is consistently seeking to grow its family, concurrently retaining the same level of performance and professionalism.

Our Mission

As the premier manufacturer of HVAC systems in Egypt, our mission is to consistently improve our production capacity to manage the most extensive ongoing and upcoming projects in the country. We are committed to providing outstanding services and promptly achieving the highest quality fabrication, exceeding customer expectations to ensure successful project completion within deadlines.

Our Vision

Our distinct future vision is based on our teamwork goals and the target that we are focusing on to become the Number 1 Manufacturer within the few coming years, we intend to expand our Products Range that are all Made in Egypt the Industrial Sector with the most competitive quality, price and execution.

Values

1- Integrity

To have a work ethic, honesty and transparency.

2- Meet customers' requirements

Offer the customer a product at the lowest cost and highest quality.
Provide the customer with fast and accurate engineering solutions.

3- Responsibility and commitment

Commitment to delivery dates agreed with customers.
Make sure you achieve the principle of equality and promote values of humility and respect for others.

4- Innovation

Continuous work to develop and improve the quality of products and the adoption of international standards.

Work on inventing manufacturing methods that save time and effort on the human factor as it saves on the consumption of raw materials

Our Factory

A mass area consisting of an Office Building, a Workshop occupying an Large Area, equipped with the most Advanced, Sophisticated and Computerized Machines, a large Warehouse for the storage of the fabricated products. The latest Technology of CNC machines utilized in Castle Factory, increases the Speed and the Capacity of Production, which makes Castle distinctive and superior.

Products

➤ Duct Works:

- **Galvanized Steel Ducts**
 - Rectangular Ducts
 - Spiral Round Ducts
 - Longitudinal Seam Round Ducts
- **Black Steel Welded Ducts**
 - Rectangular Flanged Ducts
 - Round Flanged Ducts
- **Stainless Steel Ducts**
(Longitudinal Seam or Argon Welded)
 - Rectangular SS Ducts
 - Round SS Ducts
- **Aluminum Jacketing**

➤ Volume Control Dampers

Product	Model / Specification		Material		Blade Operation	Construction
			Frame	Blade		
VCD	VCD1	Single Skin	GI/SS	GI/SS	A/B	Normal
	VCD2	Double Skin	AL	AL	C	
	VCD3	Double Skin	AL	AL	C	Heavy Duty
	VCD4	Double Skin	AL	AL	A/B/C	
	VCD5	Double/ Single Skin	GI/SS	GI/SS	Round	Normal

➤ Inertia Damper

item	model	material		application
		frame	blade	
Pressure Relief Damper	CID-PR	GI AL SS	GI AL SS	Air Intake & Exhaust Stairwell pressurization In-duct ventilation
Counterbalance Damper	CID-CB	GI AL SS	GI AL SS	Fume exhaust Gravity hood intake and exhaust Room pressurization
Back Draft Damper	CID-BD	GI AL SS	GI AL SS	Blower outlets Branch duct isolation Emergency generator radiator outlets

➤ Fire & Smoke Damper

- **Curtain Fire Damper.**
(Rectangular & Round CFD)
- **Motorized Smoke Fire Dampers.**
(Rectangular & Round MSFD)
- **Motorized Smoke Dampers.**
(Rectangular & Round MSD)
- **Motorized Fire Dampers.**
(Rectangular & Round MFD)

➤ Explosion proof Back Draft Damper

Non-return damper with linkage

Non-return damper with adjustable blade restrictor

➤ Smoke Vent

- With fusible link
- With linear actuator

➤ Variable Air Volume

- Constant Air Volume
- Variable Air Volume
 - Basic air terminal variable air volume
 - Basic air terminal variable air volume with sound attenuator
 - Basic air terminal variable air volume with electric heater

➤ **Fan Coil**

Fan coil units are available in ten sizes with airflow capacity ranging from 110 to 2700 m³/h. The ceiling concealed unit is suitable for external static pressures of up to 60 Pa.

➤ **Cable Tray Systems**

Cable tray systems are support structures for organizing and protecting electrical cables, available in various types like Tray, Trunk, and Ladder.

- Cable trays are open-bottomed structures, offering easy access for cable laying and maintenance.
- Trunking provides solid enclosure for cables, ensuring higher levels of protection.
- Ladder racks consist of rails with crossbars, facilitating overhead cable routing.

➤ **Garbage Chute System**

garbage chute system is a long vertical space passing by each floor in a building. It includes a door on each floor where residents can dispose of their garbage into the chute. This door is usually contained in a small room on each floor. Garbage placed in the chute drops to a compactor or dumpster at the bottom.

➤ **Fire Cabins**

Rooms strategically placed within a building or facility for firefighting purposes. These cabins may house fire extinguishers, firefighting equipment, or serve as control points for fire suppression systems. Fire cabins are designed to provide quick access to necessary tools and resources in the event of a fire emergency, allowing responders to contain or extinguish fires effectively. They are an essential part of fire safety measures in buildings and industrial sites, helping to minimize damage and ensure the safety of occupants.

➤ **Air Outlets**

• **Air Diffusers**

- Square and Round Ceiling Diffusers.
- Jet Diffusers.
- Swirl Diffuser
- Linear Slot Diffusers.
- And other Diffusers.

- **Air Grills**
 - Linear Bar Grills Fixed Blade.
 - Grills & Registers Movable Blade.
 - Linear Steel Grill (Smoke Grill).
 - Perforated Grill.
 - And Other Grills.
- **Sand Trap Louver**
 - With filter
 - With damper
 - With chute
- **Air Louvers**
 - Fresh Air Louvers.
 - Exhaust Louvers.
- **Disc Valve**
- **Jet Nozzle**
- **Ball Jet**
- **Door Grill**
- **Shutter Grill**
- **And The Special Decorative Air Outlets.**

➤ **Flexible Duct Connector.**

- Silicon Coated Temperature range -30C° to +250C°
- Silicon Coated Temperature range -30C° to +180C°
- PVC Coated range -30C° to +80C°
- All Dimensions are available.

➤ **Access Doors**

- The Insulated Access Door has been designed to create an airtight seal utilizing a moisture, oil and grease resistant neoprene gasket between the door to frame and the frame to duct.
- Available For Galvanized and Black Steel Duct Works
- Available for Rectangular and Round Duct Works

➤ **Slot Linear Plenum box**

- Plenum Box Including Round VD with Mechanism.
- Or Just Including Round Neck.

- All Sizes and acoustic Lining Methods are Available

SOME OF OUR REFERENCE PROJECTS

Our company currently contributes to many national Mega projects implemented by the largest Egyptian contracting companies and supervised by major consulting offices in Egypt and the Arab world.



- Ministries Buildings at New Administration Capital:
 - Ministry of Antiquities
 - Ministry of Military Production
 - Ministry of Education
 - Ministry of Petroleum & Mineral Resources
 - Ministry of Communications and Information Technology
 - Ministry of Culture
 - Ministry of Water Resources and Irrigation
 - Ministry of Civil Aviation
 - Ministry of Electricity and Renewable Energy

- National Training Academy – NTA
National Training Academy In Zayed City.
Main Contractor: Arab Organization for Industrialization
Consultant: SUBBOUR



- Administrative Control Authority
Administrative Control Authority in New Administration Capital.
Main Contractor: Concord for Engineering and Contracting
Consultant: ECG



- Arab Investment Bank
Arab Investment Bank in New Administration Capital
Main Contractor: El Soadaa Group
Consultant: EHAF



- Housing & Development
Housing & Development Bank in New Administration Capital
Main Contractor: ORASCOM
Consultant: ORASCOM



- MIVIDA
MIVIDA New Cairo
Main Contractor: ASGC
Consultant: RMC



- **Military Entity**
Leaders Hospital (El Kada)
Saff Officer Hospital
MEP Contractor: MiraTeck
Consultant: Allied Consultants Ltd



- **SAUDI MARKET (New Alameen)**
SAUDI MARKET Almassa Hotel
MEP Contractor: Al Fath
Consultant: KAM Consultant Engineer



- **Renewal of the National Cancer Institute**
Renewal and Development of the National Cancer Institute on Kornish Al Nile, Cairo
MEP Contractor: EMCO
Consultant: Cairo University



- **Egypt City for the Olympic Games**
Sports Halls
Main Contractors:
 - RME (Rowad Modern Engineering)
 - GAMA
 - ORASCOM
 Consultants:
 - SUBBOUR
 - MEGC (ENGINEERING CONSULTANT GROUP)
 - Cosmos Engineers and Consultants



- **Madinaty**
Crafts Zone & B10 Administration Zone
Main Contractors: Alex Construction
Consultants: DAR AL-HANDASSA & Space



- **Suiz Medical Complex**
Clinics building
Hospital Building
Main Contractors: Al-Marasem International
Consultants: ECG



- **Central Park (New Administration Capital)**
All administration Buildings
Main Contractors: Al-Marasem International
Consultants: DAR AL-HANDASSA



- ZED TOWERS (EL-Sheikh Zayed)
Towers Ventilation
Main Contractors:
- Rowad RME (Rowad Modern Engineering)
- Redcon
- ORASCOM
Consultants: ECG



- New Alamein Towers
Towers Ventilation and Conditioning
Main Contractors:
- SIAC
Consultants: ECG

- R5 - New Administration Capital
Buildings Ventilation
Main Contractors:
- ASGC
- RME
- AL-MARSEM
- ORASCOM
Consultants: ECG



- CBD New administration Capital
Towers Ventilation and Conditioning
Main Contractors:
- CSCES
Consultants: DAR AL-Handasa



- LRT 10th Of Ramadan Railway
Stations Ventilation and Conditioning
Main Contractors:
- CREC & AVIC JV
Consultants: Khatib & Alami



- Bashteel Railway Station
Ventilation and Conditioning
Main Contractors:
- Hassan Allam
Consultants: Diao Consulting





SMART VILLAGE - VODAFONE



SMART VILLAGE - ACT



NBD BANK NOZHA & MAADY BRANCH



BANK MISR DAMIATTA & SHEBIN BRANCH

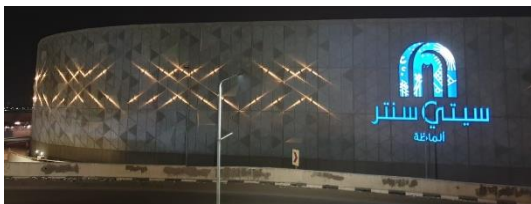


Wadi Degla Club - Zohour



القناة للسكر
CANAL SUGAR

Canal Sugar



GALAXY – ALMAZA MALL



Al-Sharkia Branch



VIB Hall – Cairo AirPort



EVA Pharma El-Haram



R3 - Mixed Use Buildings

SOME OF CASTLE APPROVALS

Material Submittal (MT)

Ref: RME/SWHQ/M.S/MECH/GN/00/DW/009/00 Rev : Rev.00 Date: 10/12/2020

Project : El Sewedy Head Quarter	Owner: El Sewedy Electric
Contractor: Rowad Modern Engineering	Consultant : Shaker Consultant / EL GHONEIMI

Arch Elec Other
 Steel Mech

Material Description:

Material Name: Duct Work
 Product Code :
 Usage : Mechanical Work (All Building)

BOQ Ref. :
 Location : All Buildings
 Specs. Ref. :

Submittal Items: Sample Document
 Attachments: (165) A4 & Soft Copy

Manufacturer's Details:

Agent/Vendor's Name: Duct Castle
 Manufacturer's Name: Duct Castle
 Address:
 Supplier:

The Contractor: Signature: Date: 10/12/2020

The consultant comments

- Refer to attached Comments

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

The consultant: Name: Sherief Abd Elbattar Signature: S.A. Sattar Date: 14/12/2020

A: Approved B: Approved as noted (work may proceed after following Comments)
 C: Revise and resubmit (work can't proceed) D: Rejected

Submittal For Approval Of Materials



Date: 9/2/2021 Request no: MS-05-ME-0138-REV-00

Project No. & Title: E19016 - 0200S The Central Park of the New Capital of Egypt

Employer: Ministry of Planning, Economic and Social Development, New Urban Communities Authority	Engineer: dar	Contractor: ALMARASEM
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1. Material description (one item only on this form):

Metal Duct Fabrication

Area of application: External Buildings
 Drawing ref.: E19016-0102D-FD-CP2B-PH01-PF1-MH-101& E19016-0102D-FD-CP2B-PH02-BP1-MH-101&... B.O.Q. ref. no.: 233113

Specification Ref.: 233113 Standards:
 Attach all relevant technical literature marked to identify relevant description and current Test Certificates as appropriate.

2. Manufacturer / supplier

Company Name: Duct Castle
 Address: Cairo Alex Desert Road 28KM.Abo Rawash industrial zone, Giza ,Egypt.
 Local agent : Duct Industries and MEP contracting

3. Delivery :

Country of origin : Egypt
 Availability: Locally Manufactured Overseas
 Delivery : Ex-work/ 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: TECH OFFICE ENG./M.WAGIH Signature: [Signature]

4. Engineer's Representative comments:

* Non Metallic duct of PVC OR PI it shall be provided for underground pump room.
 * Phosphatize mill finish duct to be used on exposed duct.
 * Duct Castle is approved subcontractor

Signature: [Signature] Date: 14-2-21

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



طلب اعتماد مواد/مورد/مقاوول باطن (MS)

رقم الطلب: 2776-Suez-MS-M-065 Rev.00	المالك: وزارة الصحة والسكان	مشروع: مجمع الطبي بسويس
التاريخ: 2020 / 10 / 07	الاستشاري العام: شركة المراسم الدولية	الشركة المنقذة: شركة المراسم الدولية

1. قسم التقديم: الشالي معماري كهرباء صحي تنكيف حريق
 2. صفة التقديم: عينات 9 2 1 0
 3. طريقة التقديم: لا اعتماد اخرى

الوصف	البيان	رقم المورد	رقم التصنيع	عدد مراجع المستندات	مراجع العقد	كود الاعتماد
Galvanized Sheet Metal Duct		MS-M-065 R00	1	233113	233113	233113

ملاحظات استشاري العقول العبد: ...
 ملاحظات الاستشاري العام: ...
 Refer to Comment on attached Report.

التاريخ: 14/12/2020 التوقيع: [Signature]

استلام الشركة المنقذة بعد المراجعة:	استلام الاستشاري العام:	استلام استشاري العقول العام:
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وزارة الدفاع إدارة المهندسين العسكريين مشروع 110 التاريخ 2020/4/23

REF:P110-MA-MEP-00611

لجنة اعتماد مواد

مقدم من شركة: المقاولون العرب تاريخ الطلب: DATA SHEET CATALOGUES SAMPLE CERTIFICATES

تم اعتماد اللجنة التالية:

NO.	NAME	SUPPLIER	CODE
1	صاح صفان Galvanized Duct	Duct Castle	B

مع أخذ في الاعتبار الاتي:
 - التوركة طبقا للجنة المقدمة.
 - التصنيع يكون طبقا لمعيار SMACNA.

التوقيع (1) راند / احمد عليدي رمضان
 التوقيع (2) ملازم أ / احمد محمد متولي
 التوقيع (3) عقيد / محمد جمال سلطان

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

طلب اعتماد مواد

رقم الطلب: HDB/OC/MTR/ME/0044	مشروع إنشاء مبنى بنك التصنيع والإسكان بالمعصرة الإدارية الجديدة
الاصدار: Rev 00	المالك: بنك التصنيع والإسكان
التاريخ: 14/12/2020	المقاول: شركة أوراسكوم للإسكانات

1. قسم التذييل: حريق حريق حريق حريق حريق

2. صفة التذييل: حريق حريق حريق حريق حريق

3. التذييل بالعرض: حريق حريق حريق حريق حريق

4. تفاصيل التذييل: حريق حريق حريق حريق حريق

البيانات / الوصف	المصنع / المورد	أرقام المواصفات	عدد النسخ	مراجع المواصفات	البيانات / الوصف
Duct Castle / Green	Galvanized & Black steel, Duct works Fabricator	232113	1	MS-M-0075 R01	Manual Volume damper

No. Attachments :

- Contract BOQ
- Compliance Sheets
- Pervious approvals
- Quality certificate
- Reference project
- Mill test & 3rd party certificates
- Procedure of fabrication
- Factory catalogue black steel + Galvanized
- Duct construction data sheet + black steel

مدير المكتب الفني: الاسم: التوقيع:

مدير الخانات: الاسم: التوقيع:

ملاحظات الاستشارة:

(A) معتمد

(B) معتمد مع ملاحظات

(C) بعد تقديمه بعد استيفاء الملاحظات

(D) مرفوض ولا يعد تقديمه

الاسم: التوقيع:

استلام الاستشارة: الاسم: التوقيع:

استلام المقاول بعد المراجعة: الاسم: التوقيع:



طلب اعتماد مواد/مورد/مقاول باطن (MS) ٢٠١٣

رقم الطلب: 2776-Suez-MS-M-0075 Rev.01	المالك: وزارة الصحة والسكان	مشروع: المجموع الطبي بالسويس
التاريخ: 2020 / 12 / 23	الاستشاري العام: شركة المهندسين الاستشاريين (EGC)	الشركة المنفذة: شركة المرامم الدولية
صفحة: 1/1	مكتب/دكتور/محكم المعقفي:	

1. قسم التذييل: حريق حريق حريق حريق حريق

2. صفة التذييل: حريق حريق حريق حريق حريق

3. التذييل بالعرض: حريق حريق حريق حريق حريق

4. تفاصيل التذييل: حريق حريق حريق حريق حريق

البيانات / الوصف	المصنع / المورد	أرقام المواصفات	عدد النسخ	مراجع المواصفات	البيانات / الوصف
Duct Castle	Manual Volume damper	232113	1	MS-M-0075 R01	Manual Volume damper

ملاحظات المقاول:

مدير تنفيذ الميكانيكا: الاسم: م/أيمن سيد

التوقيع: التاريخ: 14/12/2020

ملاحظات الاستشاري المقبول:

ملاحظات الاستشاري العام:

(A) معتمد

(B) معتمد مع ملاحظات

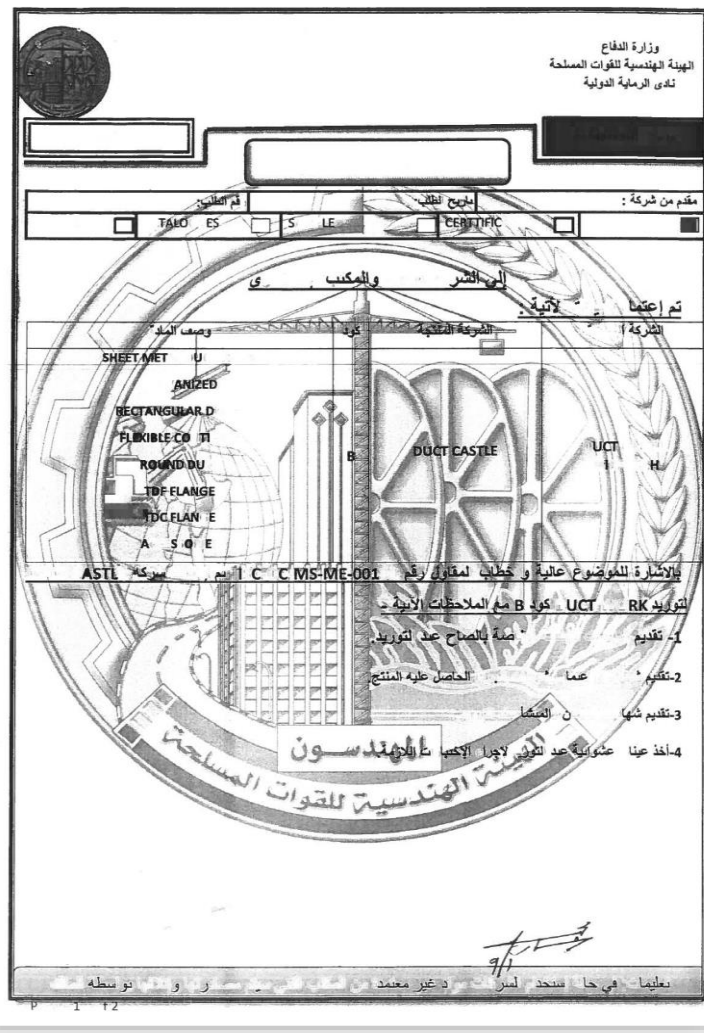
(C) بعد تقديمه بعد استيفاء الملاحظات

(D) مرفوض ولا يعد تقديمه

الاسم: التوقيع:

استلام الاستشاري العام: الاسم: التوقيع:

استلام المقاول العام: الاسم: التوقيع:



EGC Engineering Consultants Group SA

CONCORD FOR ENGINEERING & CONTRACTING

الرقابة الإدارية

REQUEST FOR APPROVAL (RFA)
NO: ACA-RFA-1788 (Rev. 00)

PROJECT NAME: Construction of new Building for Administrative Control Authority

CLIENT: Administrative Control Authority

TO: Engineering Consultants Group

FROM: Concord For Engineering & Contracting

ATTN: Eng. Ahmed Hanafy

TREAD: Civil, Arch, Mech, HVAC, Plu. & Fire Protection, Elec, Infra, Inform. Tech, Others

Doc. Refs.: Location, General Project

Bill Ref. No.: Bldg: All Buildings

Drwg. No.: Level:

Spec. No.: Axis: Site Works: HVAC Works

SUBJECT: Technical Submittal for Sheet Metal Duct Fabrication - Duct Castle - ADLER

REQUEST DESCRIPTION: Kindly find attached, Technical Submittal for Sheet Metal Duct Fabrication - Duct Castle, for your review and approval.

ATTACHMENT DOCUMENTS:-

1- One Hard Copy

2- One Soft Copy

REQUESTED BY

NAME/SIGNATURE	TITLE	DATE
Eng. Usama Nada	MEP Manager	6-Jun-20
Eng. Sameh Mahfouz	Project Manager	

RESPONSE:

Approved Approved With Comments Not Approved

العينة مقبولة على أن يتم التكميل في المراتب الأربعة فقط

ATTACHED DOCUMENTS:

EGC Engineering Consultants Group

مشروع مبنى هيئة الرقابة الإدارية (Project: 2399)

APPROVED

With Corrections / Notes As Noted Do Not

RESPONDED BY

NAME/SIGNATURE	TITLE	DATE
Eng. Sameh Mahfouz	Project Manager	14/12/20

Submittal For Approval Of Materials

09 FEB 2021
RECEIVED

Date: 9/2/2021
Request no: MS-05-ME-0137-REV-00

Project No. & Title: E19016 - 02005 - The Central Park of the New Capital of Egypt

Employer:

Engineer: **dar**

Contractor: **ALMARASEM**

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

Duct Accessories

Area of application: External Buildings
Drawing ref.: E19016-0102D-FD-CP2B-PH01-PF1-MH-101& E19016-0102D-FD-CP2B-PH02-8P1-MH-101&
B.O.Q. ref. no.: 233300

Specification Ref.: 233300
Standards: Attach all relevant technical literature marked to identify relevant description and current Test Certificates as appropriate.

2. Manufacturer / supplier

Company Name: Duct Castle
Address: Cairo Alex Desert Road 28KM, Abo Rawash industrial zone, Giza, Egypt
Local agent: Duct Industries and MEP contracting

3. Delivery:

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: TECH OFFICE ENG / M.WAGIH
Signature: [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

*Volume damper, Access door and Flexible duct are approved Based on the submitted Samples.
*Silicon Coated fabric Flexible duct Connectors to be used.
*Duct Castle is approved fabricator.

Signature: [Signature] Date: 11/2/2021

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



EGG
ENGINEERING CONSULTANTS GROUP SA

م. طارق سعيد
مدير المكتب الفني للمشروع

طلب اعتماد مواد

رقم الطلب: MS/RS/Z03/Mech/0298	Rev.00	المالك: هيئة المجتمعات العمرانية	Zone 3 - R05
التاريخ: 2020 / 10 / 07	صحة: 1/1	الاستشاري: جماعة المهندسين الاستشاريين	ASGC Construction

1. قسم التكوين: انشائي معماري كهرباء صحي ميكانيك حريق اخرى

2. صفة التكوين: 1 عتاق 2 خدمات 3 كتالوج 4 اخرى

3. التكميم بقرص: التلم للاعداد اخرى

4. الموقع: المنطقة: R5

5. تفاصيل التكوين:

م	البيان / الوصف	المصنع المورد	ارقام مراجع المستندات	عدد النسخ	نوع الوثق	مراجعات الإعداد	مراجعات الإعداد
1	Galvanized Sheet Metal duct work	Duct Castel		2	بعد تقديمه بعد استقواء الملاحظات	15880	15880

ملاحظات المتقول: مرفق عدد 2 كتالوج ج.

مدير المكتب الفني: [Signature]
الاسم: [Name]
التوقيع: [Signature]

ملاحظات الاستشاري:
 (A) متعدد
 (B) متعدد مع ملاحظات
 (C) بعد تقديمه بعد استقواء الملاحظات
 (D) مرفوض ولا يعد تقديمه

اسم: [Name]
التوقيع: [Signature]

استلام الاستشاري: [Signature]
الاسم: [Name]
التوقيع: [Signature]

استلام العقول بعد المراجعة: [Signature]
الاسم: [Name]
التوقيع: [Signature]

MATERIAL SUBMITTAL SHEET

Project Ref: CA008P01
Contractor: Construction & Reconstruction Company CRC Dorra Group
No: MS/CA008P01/00233

To: Projacs (2 Copies)
cc: CFC Document Control (1 Copy)
CFC Project Manager (1 Copy)

REV: 00
MEC

Material Description/Location: HVAC Galvanized Steel Duct brand Kandil steel supplier DUCT CASTLE (duct industries and mep contracting)

Submital issue Date: 06-10-2020
Response Requested By: Eng. Hossam Abo Elfotouh

Enclosure: Drawing
 Sample (2)
 Literature
 Other (CATALOGUE 165; A4) & CD

Contract Specification Clause Ref Section: 15880
Contract BOQ Clause Ref.:

SPECIFIED	PROPOSED
MFR AGENT: MAKE/ MODEL: CAPACITY/ SIZE:	MFR AGENT: MAKE/ MODEL: CAPACITY/ SIZE:
	HVAC Galvanized Steel Duct brand Kandil steel supplier DUCT CASTLE (duct industries and mep contracting)

NOTICE OF COST VARIATION: REASON FOR ALTERNATIVES:
1-Availability for the required material, quantities in stock at supplier

COMMENTS: *- Refer to Comments on attached Cover sheet.

Projacs International Co.
Received
10 OCT. 2020
Cairo Festival City (CFC)

RETURNED TO CONTRACTOR: DOCUMENT STATUS

A: Work may proceed	C: Revise and Resubmit Work may not proceed
B: Revise and resubmit work may proceed subject to incorporation of changes indicated	D: For Information Only - Review not required

Signature: Ahmed A. Hamid
Date: 10/10/2020

Signature: [Signature] Date: 10-10-2020



التاريخ: 18 ابريل 2020

المشروع: 110 الخريبي

المسلسل: 1999/S/AR/2020

الموضوع: اعتماد العرض الفني

المصادرة / المكتب الفني (ادارة المهندسين العسكريين)

تحية طيبة وبعد -
بالإشارة إلى الموضوع أعلاه وإلى خطاب سيادتكم رقم P110-ME-MEP-SC- 01989 المقدم من المقاولون العرب.

SUPPLIER	MATERIAL
DUCT Castle	صاج مجلفن Galvanized Duct

- لامانع من اعتماد كود (B) مع الالتزام بمايلي:

1- التوريد طبقا للعيه المقدمة.

2- التصنيع يكون طبقا لمعايير SMACNA.

وتفضلوا بقبول فائق الاحترام،،،

مدير ادارة الاعمال الكهروميكانيكية
بالمشروع
م/ طارق سعيد

مدير المكتب الفني ميكانيكا
بالمشروع
م/ طارق سعيد

- صورة إلى: العقيد / محمد جمال سلطان
- صورة إلى: المهندس / أحمد شاهين (مدير عام مشروع 110 صبور)
- صورة إلى: المهندس / خالد فاروق (مدير المكتب الفني للمشروع)

No.	Page / Section	Rev	Consultant Comments	Reply Code	Contractor Response	Reply Status by Reviewer
1	General	A	Contractor to provide detail code of origin	B		
2	General	A	test stop method of treatment should be approved prior to install on	D		
3	General	A	The test report for galvanization value sheet metal duct should be kept until they approved their party laboratory	B		
4	General	A	Duct fabrication to no air pressure case and approved details in accordance to SMACNA standard	B		
5	General	A	Gaskets should be provided between duct connections	B		
6	General	A	It is asked to provide all connecting the connections come inside the duct	B		
7	General	A	Workshop samples for duct to be taken during the welding assembly to check the material properties and check the composition through approved third party laboratory	B		
8	General	A	Note: The Project Manager approves with or without modification of the documents furnished by the Contractor. This indicates the Contractor's responsibility of liability imposed upon it by any provision of the Contract	D		

Status Code Legend:	A. Approved	B. Approved with comments	C. Revised and re-submitted	D. Rejected	Document Status Code
					B

Approved by	Name	Position	Signature
	Mohamed Naghi	Senior Mechanical Engineer	
	Mounir Goudache	Q3 Team Leader	
	Michael Hadley	Technical Manager	

Ref. 236/2021-SHC-RAC-MAR-MECH-0006

DATE: 9-1-2022

Material Submittal Form
نموذج اعتماد خامات

اسم المشروع : الجامعة الاهلية - شرق بورسعيد - مبنى العلوم الهندسية رقم (٩)
رقم المشروع : ٢٠٢١/٢٣٦
المسالك : وزارة التعليم العالي
إدارة المهندسين العسكريين
المعاون الرئيسي : وحدة ادارة مشروعات الجامعات الأهلية
الاستشاري العام : مكتب الرائد للاستشارات الهندسية
الاستشاري : شركة الشوربجي للاستشارات العامة
المسؤول :

م	البيان / الوصف	التبويب
١	اعتماد Duct works	المسالك
	Duct castle + Sample	المرفقات

مدير المكتب الفني للمعاول :
الاسم : م. محمد قنديل
التاريخ : ٢٠٢٢ / ١ / ٩

تسليم بمعرفة الاستشاري :
A = معتمد
B = معتمد مع ملاحظات
C = معتمد مبدئياً ويعد التقديم
D = الطلب مرفوض ويعد التقديم مرة أخرى

الملاحظات :
لا يطبخ مع المقادير Duct castle (fabricator) كمنفذ (المواد الخام) من المصنع.
المواد الخام المستخدمة في تصنيع المقادير يجب ان تكون من المصنع المذكور في الجدول المرفق.
المواد الخام المستخدمة في تصنيع المقادير يجب ان تكون من المصنع المذكور في الجدول المرفق.
المواد الخام المستخدمة في تصنيع المقادير يجب ان تكون من المصنع المذكور في الجدول المرفق.
المواد الخام المستخدمة في تصنيع المقادير يجب ان تكون من المصنع المذكور في الجدول المرفق.

EL - RAIED FOR ENGINEERING CONSULTANTS
1. Approved
2. Approved With Comments
Send Drawing With Comments Included
Not Approved New Drawing Needed
Engineer: خالد صبر
Date: 20/1/2022
Project Manager: خالد صبر
Date:

الاسم : خالد صبر
التاريخ : ٢٠٢٢ / ١ / ٩

Submittal Form
Transmission Of Materials

Project	EG20002 - EJUEST HOUSING	Date	11/01/2022
Owner	EJUEST	Section	
Consultant	MZECH	Serial	EJU-MECH-HVAC-010
Contractor	IBS	Building	B23-B24

Submittal Path :-
Company: IBS Buildings Systems
From Department: Electromechanical
Approved By: ESAM
Date: / /
To Department: Electromechanical Dep.
Received By: / /
Date: / /

Works Type :-
System: Plumbing Fire Fighting HVAC

Submittal Attachments :-
 Technical Data Drawings Samples

Submittal Description :-
Item: 1
Description: Fabricated Duct
Brand: Duct Castle
Origin: Engineering industries

Action By Consultant:-
Code: A B C D
Date: 11/1/2022
Comments:
* Approved Duct Castle as manufacturer for Metal air duct
* Manufacturer shall follow Codes, local Standard and project specs.

MZECH
Approved
Name: /
Signature: /
Date: 11 JAN 2022
Received وارد

2021/01/28

Aconex

Ahmed Gad KHATIB AND ALAMI EGYPT

Final (WF-051774) Technical Specification of Duct for HVAC System - Rev.1
4:43 PM
WORKFLOW TRAN
KAE-WTRAN-078982

10th of Ramadan Railway Project - Contract No. [76M]
Cairo
Cairo
Egypt



MAIL TYPE: Workflow Transmittal
MAIL NUMBER: KAE-WTRAN-078982
REFERENCE NUMBER: KAE-WTRAN-078982

Final (WF-051774) Technical Specification of Duct for HVAC System - Rev.1

From: Mr Ahmed Gad - Khatib and Alami Egypt
To (3): Mrs Ting Meng - CREC-AVIC INTL Consortium
Mr Ahmed AbdelTawab - Khatib and Alami Egypt
Mr Ahmed Gad - Khatib and Alami Egypt
Cc (7): Ms Zixi Wang - CREC-AVIC INTL Consortium
Mr Bingquan Zhang - CREC-AVIC INTL Consortium
Mr Hany AlQersh - Khatib and Alami Egypt
Mr AbdelAziz Mohamed - Khatib and Alami Egypt
Ms Manam Medhat - Khatib and Alami Egypt
Mrs Fathia Hamed - National Authority For Tunnels
DC CR5 - The Electricity Engineering Co LTD under CREC NO.5 Group
Sent: Thursday, 28 October 2021 6:43:04 PM GMT (+04:00)
Status: N/A

DOCUMENT ATTACHMENTS (2)

File	Document No	Revision	Revision Date	Title	Status	Submission Due Date
	CR5-L25-DD-SPEC-HVAC-800-0003	1	24/10/2021	Technical Specification of Duct for HVAC System	A - Approved	
	KAE-L25-DD-DRS-HVAC-800-0012	1	24/10/2021	Technical Specification of Duct for HVAC System	A - Approved	

ATTRIBUTES

Attribute 1: HVAC



EHAFC-DMCS-01/08

MATERIAL SUBMITTAL (MS)

Project Name: مشروع خدائق المسطحات
 Project No.: 1248
 Employer: الجهاد للتطوير والتعمير والقاهرة الكبرى
 Project Manager/Site Supervision Consultant: المهندس الاستشاري إيهاف

Package: Technical Material Data Sheet
 Phase: ساحة مسجد عمرو بن العاص
 Contractor: حسن علام للأشغال

From: حسن علام للأشغال
 To: المهندس الاستشاري إيهاف
 Attn: م/ حاتم الألفي

Date: 19/01/2022
 Submittal Ref.: 1248-TP1-MS-MECH-22-086-REV-01
 Previous Ref.: 1248-TP1-MS-MECH-22-086-REV-00

Subject: METAL DUCT - KANDIL- FABRICATED BY DUCT CASTLE FACTORY

Description: METAL DUCT - KANDIL- FABRICATED BY DUCT CASTLE FACTORY

Specification Reference: Quantity: Bill of Quantities Reference: (231113) باب رقم

Manufacturer's Details:
 Manufacturer: DUCT CASTLE
 Model Number: Serial number: Date of arrival on site:
 Country of Origin: Certificate of origin: Bill of lading:
 Storage Location: HASSAN ALLAM CONSTRUCTION

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: Yes/No Initials Inspector Engineer
 1- Physical damage? Yes/No Initials Inspector Engineer
 2- Details given above, correct? Yes/No Initials Inspector Engineer
 3- Conforms with approved submission? Yes/No Initials Inspector Engineer
 4- Accessories / Spare parts included? Yes/No Initials Inspector Engineer

Remarks:
 Consultant Manager Remarks: *الرجوع للدكتور إيهاف*
 Actions required from Contractor: *19-1-2022*

Attachments:
 Hard Copy Soft Copy (CD)

Employer's Representative Comments (if required):

Rev: 0



EGC ENGINEERING CONSULTANTS GROUP S.A.



مشروع مركز مصر الثقافي الإسلامي
 طلب اعتماد مواد

المالك: الهيئة الهندسية للقوات المسلحة
 الاستشاري: جماعة المهندسين الاستشاريين

مقدم من: شركة المقاولون العرب
 اسم وتوقيع المرسل: أحمد سعيد
 عن: *أحمد سعيد*

موجه إلى: جماعة المهندسين الاستشاريين
 اسم وتوقيع المستلم: *أحمد سعيد*

بتاريخ: 25/5/2021
 بتاريخ: *0/5/21*

رقم النموذج: MAT/2787/ MOSQ / HVAC /62
 إصدار رقم: 00

حساب مستندات التعداد	LEED	Recycled	GALVANISED DUCT
بديل	<input type="checkbox"/>	<input type="checkbox"/>	
رمز المواصفات	CxK	Regional	
المصنع	البيانات الوصفية	البيانات الوصفية	عدد التسليم
DUCT CASTLE (EGYPT)	- DATA SHEET - SAMPLE - REFERENCE LIST - Company profile		

إشعار المقاول: المستندات السابقة لم تسلمها ومراجعتها من حيث تطابقها مع العقد واختلاف مقبولة للاستخدام في ظل المشروع من قبل المقاول

الإشعار بالمختص: الإخطار بواسطة: *التوقيع* بتاريخ: 2021/ / /

الملاحظات: *Refer to our notes mentioned on attached report*

EGC ENGINEERING CONSULTANTS GROUP S.A.
 B: APPROVED AS NOTED
 By: *Johned* Date: 22/5/2021

أ = معتمد مع ملاحظات، يمكن العمل إن يستمر بناء على الملاحظات
 ب = معتمد مع ملاحظات ويعد التقديم مرة أخرى
 ج = معتمد مع ملاحظات ويعد التقديم مرة أخرى
 د = معتمد مع ملاحظات ويعد التقديم مرة أخرى

اعتماد الاستشاري: *التوقيع* بتاريخ: 2021 / /

استلام المقاول: *التوقيع* بتاريخ: 2021 / /

التوزيع قبل الإخطار: *التوقيع* بتاريخ: 2021 / /

No.	المالك	الاستشاري	المالك	المقاول	الاستشاري

Material Submittal: **mace**

ZED Towers Contract No: Reference No. ZED-01B-RME-MS-0211

BIM 360 No 2736_RME-XXX-MS-M-0211-00

Title: Metal Duct Works (DUCT CASTLE) Date: 07-03-2021

Revision No: 00

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: Sheet Metal Specification (DUCT CASTLE)
 Usage: HVAC
 Location: All Project

Specification / Control Document Reference: 221316

Manufacturer (Name & Address): DUCT CASTLE (KANDIL SHEET)

Supplier / Local Agent: DUCT CASTLE

Description of Attachment: As per attached list

Description of Samples & Catalog: Catalogue (1) & Samples (1)

Specification Comparison Sheet:
 Contractors QA/QC
 Name: Eng Moutaz Hikail
 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 Materials that comply with the specification.

The submitted manufacturers (Duct Castle) is accepted as a fabricator of duct works subject to the following:
 1. The approved suppliers for sheet metal duct work are (Kama, AlGurair & Gahametal)
 2. All ductwork fabrications shall be flanged type and shall be constructed of "Lock Forming" quality galvanized steel having a galvanized coating as per specs. sec.231113
 3. Duct gauges should be as per specs. section 231113.
 4. The contractor should submit sample to (ECG site engineer) for approval before delivery.
 5. The test report of galvanization value of sheet metal duct which covered the specification's required should be submitted from approved laboratory before delivery.
 6. Duct fabrication & installation (including gauges, reinforcements, takeoffs, elbows, reducers, transformations, joints, access doors, guide vanes, flexible connections, etc.) to be as per Specs. and the approved details in accordance to SMACNA standards.
 7. Kitchen duct, smoke duct, Aluminum duct (if required) is not included in the submittal, and should be submit in separate submittal

PMC Technical Manager (MEP / Construction)
 Name: Signature: Date:

Project Director Review
 Name: Signature: Date:



Material Submittal (MAT)
 Ref: MAT/DTbH/FP/SOL/RSC/SCG/MECH/013 Rev: 00
 Date: 16 / 02 / 2022

Project: DTbH Hotel - Finishing Package Employer: Mangroovy for Hotels
 Sub Contractor: Solera Energy Solution Consultant: Shaker Consultancy Group

Stru Surv Landscape
 Arch Elec Infra
 Steel Mech Other

Material Description:
 Material Name: Duct work
 Model No.: Serial No:
 Usage: Location:
 Specs Ref: B.O.Q Ref:

Submittal Items: Sample Document
 Attachments:

Manufacturer's Details:
 Manufacturer's Name: Duct castle
 Address:
 Supplier:
 The Contractor: *Ali Hussein Al-Fikier*
 Name: Signature: *Ali Hussein Al-Fikier* Date: 16 / 02 / 2022

The consultant comments
Refer To The Comments in The attached sheet.

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

The consultant
 Name: *Hassan Salama* Signature: *Hassan Salama* Date: *20.1.2022*
 A: Approved B: Approved as noted (work may proceed after following Comments)
 C: Revise and resubmit (work can't proceed) D: Rejected

SOME OF CASTLE SUCCESS PARTNERS



المقاولون العرب
عشان أحسنان وشركاه




ALMARASEM

SOLERA

 **SIAC**
CONSTRUCTION


HASSAN ALLAM
— TRADING & ENGINEERING —

KORRA
ENERGI


Talaat Moustafa Group
مجموعة طلعت مصطفى

SG
El Soadaa Group

 **中国中铁**
CREC



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— FOR URBAN DEVELOPMENT —
العاصمة الادارية للتنمية العمرانية

 **ASGC**
الشعفار للمقاولات العامة
AL SHAFAR GENERAL CONTRACTING LLC

 **ROWAD**
Modern Engineering


الهيئة القومية للأنفاق
NATIONAL AUTHORITY FOR TUNNELS
(NAT)
وزارة النقل


GIECO
شركة الغرابلي للأعمال الهندسية المتكاملة
GHARABLY INTEGRATED ENG. CO.

NeXTeP
CONSTRUCTION

ORASCOM
CONSTRUCTION

