



CAC شركة ميناء القاهرة الدولي
CAIRO AIRPORT COMPANY

EGG NACO
مجموعة الاستشارات الهندسية
ENGINEERING CONSULTANTS GROUP
Netherlands Airport Consultants B.V.

Limak İnşaat

Rehabilitation and Expansion of
Cairo International Airport
Terminal Building No.2 – (TB2) Project

DOCUMENT NO	LMK-MAS-0330
REF.	LMK-MAS-0315
Date:	03/02/2014
Prepared by	Ayman Mostafa

MATERIAL SUBMITTAL FORM

WBS: A-16-16721-1 to 16 & A-1616500-1 , B-16-16721-1 to 14 , B-16-16500-10 & C-16-16721-1 to 15 & C-16-16500-12

Section : ELECTRICAL & LIGHT CURRENT

Location : All

Description Of Material Metal conduit, Accessories and Metal boxes (ITCC & ALEX) Brand

Company Name	Attachments			Comment
	SAMPLE	CATALOGUE	CERTIFICATE	
1 TECHNO GULF Company	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	galvanized metal conduit and accessories
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Approved A

Approved as Noted (B)

Approved in Principle C
To be Resubmitted

Not Approved D

SEE COMMENTS ON SHEET ATTACHED.

ECG-NACO
Engineering Consultants Group-Netherland Airport Consultants
Rehabilitation & Expansion of TB2
(Project No.1055)
APPROVED
With Corrections / Notes As Noted Do Not
Resubmit
By *[Signature]* Date *5/2/14*

LIMAK

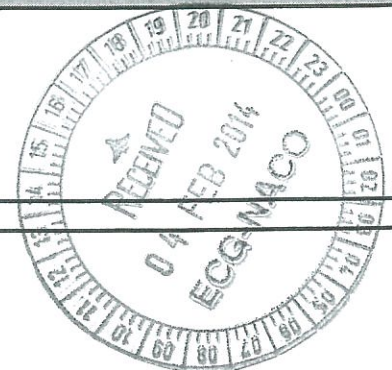
ECG-NACO

[Signature]

[Signature]
5/2 014

DATE SUBMITTED/SIGNATURE: Onur ÇAYIRLIOĞLU

DATE RECEIVED/SIGNATURE:



**Project: Rehabilitation and Expansion of Cairo International Airport Terminal Building No.2 – (TB2).
LMK-MAS-0315**

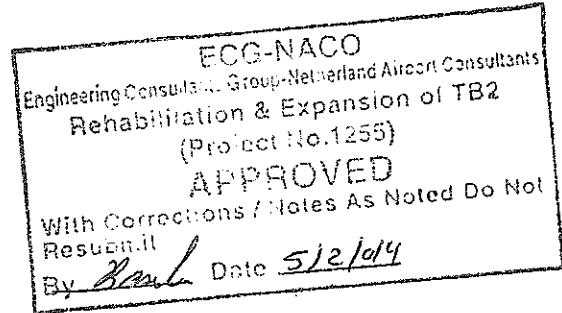
The Contractor has to stick with the following technical specifications as per spec 16130 sheet 15/17

1. EMT conduits

- Application: concealed.
- Aver. Thickness: 1.6 mm.
- Weight: 96 Kg/30m.

2. IMC Conduits:

- Application : Exposed indoor
- Aver. Thickness: 2.7 mm.
- Weight: 173 Kg/30m.



3. RGS Conduits

- Application: Exposed outdoor hazardous.
- Aver. Thickness: 3.2 mm.
- Weight: 252 Kg/30m.

4. Cabinets and Enclosures.

- For outdoor wet area shall be IP66.
- For Indoor shall be IP42.
- For indoor flush mounted shall be IP30.

5. Pull, Junction boxes and kittings.

- Metallic insulated bushing with ground terminals or metallic non-insulated groundings shall be provided on the ends of threaded steel conduits and nipples.

6. Refer to race ways application table spec 16130 sheet 4 of 17

Conclusion.

1. EMT & IMC conduits are approved.
2. Boxes submitted are not approved and to be submitted for approval.
3. Conduits and all accessories shall be supplied from solo manufacturer.



DOCUMENT DISTRIBUTION FORM

REFERENCE NO	LMK-MAS-0330	
SUBJECT	Metal conduit, Accessories and Metal boxes (ITCC & ALEX) Brand	
Date	05/02/2014	
From	ECG	

	FOR ACTION	FOR COMMENT	FOR INFO
Project Manager	Onur Çayırliođlu		✓
Project Coordinator	Mete Bezirciođlu		
ICT Coordinator	Can Selek		
Deputy Project Manager	Burak Yücedađ		
Chief Financial Officer	Amani El Amin		
Construction Department			
Execution Manager	Kemal Şahin		
Deputy Execution Manager - Civil Works	Alpaslan Çelik		
Deputy Execution Manager - Finishing Works	Ertan Vardar		
Principal Field Surveyor			
Engineering, Planning & Cost Control Departement			
Engineering, Planning & Cost Control Manager	Laila El Ashmawy		✓
Planning Engineer	Ramy Elkawansy		
Quantity Survey Engineer	Emad Hassib		
Technical Engineer	Ranya Samir		
Cost Control Engineer	Walaa Ramadan		
Technical Engineer	Micheal Youssef		
Design Department			
Design Manager			
Head Of Structural Departement	Rehab Zoheir		
Contracts Department			
Principal Contracts Administrator	Çađdaş Mutlucan		
Chief Contract Administrator	Serkan Çatalpınar		
Senior contract administrator	Passant Youssef		
MEP Department			
Mechanical Electrical Coordinator	Okan Ozdemir	✓	
Mechanical Manager	Cenk Odabasi		
Deputy Mechanical Manager	Akin S.Sevim		
Deputy Mechanical Manager	Ahmed Bolbol	✓	
Electrical Manager	Ossama William		
ICT Department			
ICT Engineer	Tamer Demir		
HSE Department			
Principal Safety Officer	Mohamed Abo El Fetoh		
Enviromental Professor	Tarek Temeraz		
QC Department			
Principle Quality Controller	Adel El Kady		✓
Procurement Department			
Procurement Manager & Special System Manager	Ahmet Hamdi		
Procurement Engineer	Arif Memis		
Accounting & Finance Department			
Finance and Accounting Manager	Yusuf Demirci		
General Support Manager Department			
General Supporting Manager	Ali Saad		✓
Administration Department			
Administration Manager	Soner Demirci		
Support Team			
	Feyiz Genc		
	Bahaddin Ozdemir		
	Melek Guvener		✓
	Hakan Billir		
	Halice Cinar		

COMMENT BOX

APPROVALS

THE EMPLOYER:  الهيئة العامة للطيران المدني General Authority of Civil Aviation	King Abdulaziz International Airport Development Project (Phase I) Jeddah, KSA	THE CONSTRUCTION MANAGER:  dar al-handasah shair and partners
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The CM's Reply to Submittals (CRS)

Submittal Ref. No.	: 421-422-MTS-Y-01061-01	Date :	29 May 2013 and received on 03 June 2013
Submittal Title:	: EMT Conduits & Fittings		
Contractor's Name	: Saudi Binladin Group		
Contract No./Title	: J-10-421-PF-0 - Terminal Complex, Control Tower and Supporting Facilities J-10-422-PF-0 - Aprons, Taxiways, Roads, Tunnels, Bridges, Load Centers and Infrastructure, Transportation Center and Supporting Facilities		

Action Code (tick as appropriate):

- 1. Approved, work may proceed.
- 2. Approved as noted, work may proceed subject to incorporation of comments and resubmit to grant Code (1).
- 3. Revise and resubmit, work may not proceed.
- 4. Rejected.
- 5. Review not required.
- For Drawing/Design Submittals, please refer to the attached DDS List for detailed status code.

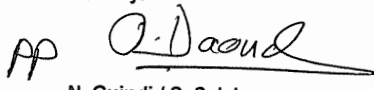

مجموعة بن لادن السعودية
 قطاع المشاريع والمعدات الكهربية
 مشروع مطار الملك عبدالعزيز الدولي - جدة
 13 JUL 2013
RECEIVED

Review Comments:

"ITCC" is accepted as a manufacturer of EMT conduits and "COOPER-Crouse Hinds" products (fittings, boxes) are principally acceptable. However, the following notes are to be considered:



1. Bending radius for conduits enclosing fiber optic cables shall be 10 times the cable diameter.
2. Pull boxes shall be provided with bushing for conduits.


The Construction Manager's approval shall not in anyway relieve the Contractor from full compliance with contractual obligations.

Commented by:  N. Guindi / S. Salah Initial/Signature Over Printed Name	Issued by:  John Macdonald Project Manager
11-July-2013 Date	11-July-2013 Date

APPROVALS

VISION - LK/SAT/OA/ZH/WDC/Zone Managers/ File-421

THE EMPLOYER: 	King Abdulaziz International Airport Development Project (Phase I) Jeddah, KSA	THE CONSTRUCTION MANAGER:  dar al-handasah engineering & architecture
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The CM's Reply to Submittals (CRS)	
Submittal Ref. No. :	421-422-MTS-E-00325-00
Date :	03 Dec. 2011
Submittal Title :	RMC Conduits, Fittings and Metallic Boxes
Contractor's Name :	Saudi Binladin Group
Contract No./Title :	J-10-421-PF-0 – Terminal Complex, Control Tower and Supporting Facilities. J-10-422-PF-0 – Aprons, Taxiways, Roads, Tunnels, Bridges, Load Centers and Infrastructure, Transportation Center and Supporting Facilities

Action Code (tick as appropriate):


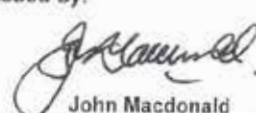
1. Approved, work may proceed.
2. Approved as noted, work may proceed subject to incorporation of comments and resubmit to grant Code (1)
3. Revise and resubmit, work may not proceed.
4. Rejected
5. Review not required.

For Drawing/Design Submittals, please refer to the attached DDS List for detailed status code.

Review Comments:

1. Provide galvanized cast iron boxes with threaded hubs for indoor exposed surface mounted installation.
2. Provide galvanized cast iron boxes with threaded hubs, PVC gaskets and stainless steel or non-ferrous, corrosion resistance screws for all outdoor installations.
3. All metallic boxes are to be delivered with its grounding bolts from the same box's manufacturer.
4. Use 3 piece unions where required for instance at running threads, boxes with threaded hubs, etc.
5. Use threaded hubs where EMT or RMC are interfacing electrical panel boards.
6. Comments on the submitted sample:
 - i. Locknut to be installed inside and outside the metallic box.
 - ii. Use conduit hanger with bolt and nut to secure metallic conduit instead of one hole straps.
 - iii. Zinc coating painting shall follow any cutting/threading process.

The Construction Manager's approval shall not in anyway relieve the Contractor from full compliance with contractual obligations.

<p>Commented by:</p>  <p>Nabil Guindi/Michael Adel Initial/Signature Over Printed Name</p>	<p>Issued by:</p>  <p>John Macdonald Project Manager</p>
18-Dec-2011 Date	18-Dec-2011 Date

APPROVALS

THE CONSTRUCTION MANAGER:  dar al-handasah <small>shair and partners</small>	King Abdulaziz International Airport Development Project (Phase I) Jeddah, KSA	THE CONTRACTOR:  SAUDI BINLADIN GROUP <small>مجموعة بن لادن السعودية</small>
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MATERIAL SUBMITTALS (MTS)

Submittal Ref. No. : 421-422-MTS-E-00325	Rev. : 00	Date : 03/12/2011
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Submittal Title : RMC Conduits, Fittings and Metallic **boxes**.

Contractor Name : Saudi Binladin Group Contract No. / Title : J-10-421 Terminal Complex, Control Tower and Supporting Facilities J-10-422-PF-0 - Aprons, Taxiways, Roads, Tunnels, Bridges, Load Centers and Infrastructure, Transportation Center and Supporting Facilities Subcontractor's Name : Advanced Vision Specification Clause No. : 290533 Drawing Ref. No. : Standard Ref. : BS 4568 Part 1 and BS 31 Class B Submitted as per ANSI C90.1 and UL Manufacturer's Name: ITCC Country of Origin: SA - SAUDI ARABIA Supplier Name: Electric House Supplier's Address: Jeddah -KSA LEED Compliance: NA Area of Application : A000	 <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th colspan="2">Routing Slip</th> <th colspan="4">dar al-handasah</th> </tr> <tr> <th colspan="2">KAIA-DAH</th> <th colspan="4">shair and partners</th> </tr> <tr> <th>Date:</th> <th>From:</th> <th>Lead Action</th> <th>Part Action</th> <th>For Review</th> <th>Cover Only</th> </tr> </thead> <tbody> <tr> <td>3/12</td> <td>WZ</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>NG/MA</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>QB</td> <td></td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td></td> <td>AT</td> <td></td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td></td> <td>NH</td> <td></td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Routing Slip		dar al-handasah				KAIA-DAH		shair and partners				Date:	From:	Lead Action	Part Action	For Review	Cover Only	3/12	WZ						NG/MA	✓					QB		✓				AT			✓			NH			✓																									
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Description of Contents:
RMC Conduits, Fittings and Metallic Boxes

Attachment:

No. of copy + original =	3	
No. of softcopy (CD) =	1	Others:

Purpose of Submission:

For Review & Approval
 For Information & Records

We certify that the above submitted items have been reviewed in details and are correct and in strict conformity with the Contract except as otherwise stated hereon.

Prepared By (Doc. Originator): W. Chehade 03/12/2011 <small>Name/Sign Date</small>	Reviewed By (QA Manager): Oussama Abbas 03-12-2011 <small>Name/Sign Date</small>	Approved By (Project Manager): [Signature] 3/12/2011 <small>Name/Sign Date</small>
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Handwritten note: 3/12/11



Bahrain International Airport Airport Modernization Programme



Tepe Akten

MS	Material Submittal	BAC/101/2014
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Project Name:	Bahrain International Airport Modernization Project
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Reference No.:	1-M-C-CI09-ATC-AD-MS-0495	Date:	30-Mar-2017
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Contract Title:	Airport Modernization Project	Contract Date:	16-04-2016
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Contractor:	Arabtec-TAV JV	Sub-Package:	BNJV
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TO: ADPI	FROM: Arabtec-TAV JV
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Description of Material (One item only per form):	<input checked="" type="checkbox"/> As per Specifications	<input type="checkbox"/> Alternative
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Title:	BS Adaptable Boxes	SAMPLE
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Description:	BS Adaptable Boxes for BIA (AMP)	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
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- Attach all relevant technical literature marked to identify relevant descriptions, current test certificate, samples, etc.
- Attach a certificate stating compliance with Contract requirements.
- Highlight any element of contractual non-compliance in this submittal.

References:	Planned Dates for Applicable Submittal for:	Date
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Drawing Ref. No.:		1. O & M Manual		
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Specification No.:	260533	2. BAC FM Training		
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ISO Ref. No.:		3. Specified/recommended spare parts		
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International		4. Warranties and Guarantees		
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LEED:				
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LEED Compliance	<input type="checkbox"/> Comply	<input checked="" type="checkbox"/> Not Applicable		
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LEED Boundary	<input checked="" type="checkbox"/> In	<input type="checkbox"/> Out		
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Manufacturer / Supplier:	
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Company Name:	ITCC	Locally Manufactured:	
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Address:	KSA	CAGSG Manufactured:	
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Local Agent:	Falcon Electrical S.P.C PO. Box: 54015 Manama/Bahrain	Production Period:	
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		Delivery Ex-Works:	
--	--	---------------------------	--

		Total Delivery Time:	
--	--	-----------------------------	--

		Overland:	
--	--	------------------	--

		Sea Freight:	
--	--	---------------------	--

		Total Freight:	
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PROGRAMME	CONTRACTOR'S LEED SUBCONSULTANT SIGNATURE (If Applicable)	CONTRACTOR'S AUTHORIZED SIGNATURE
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Site Required on Site:		<i>Karim Elnabawy</i> 30-3-2017	<i>Hassan Hammadeh</i> 30-3-17	
-------------------------------	--	------------------------------------	-----------------------------------	--

Expected Date of Arrival on Site:				
--	--	--	--	--

ENGINEER'S COMMENTS

Approval subject to EHA approval.

Follow Manufacturer Regulations for installation

Signed by: <i>M.L. 9/4/17</i>	Signed by: <i>[Signature]</i>
--------------------------------------	--------------------------------------

Discipline Engineer	Assistant Resident Engineer
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DOCUMENT STATUS

<input type="checkbox"/> Code 1 – Work may proceed.	
---	--

<input checked="" type="checkbox"/> Code 2 – Revise & resubmit. Work may proceed subject to incorporation of comments indicated.	
--	--

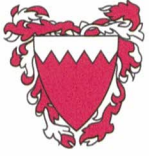
<input type="checkbox"/> Code 3 – Revise & resubmit. Work may not proceed.	
--	--

<input type="checkbox"/> Code 4 – Review not required. Work may proceed.	
--	--

IMPORTANT: Permission to proceed on behalf of BAC does not constitute acceptance or approval by BAC of design, calculations, analysis, tests, methods of materials developed or selected by the Contractor and does not relieve him from compliance with his contractual obligations.

<i>[Signature]</i> Resident Engineer	<i>[Signature]</i> Signature	<i>5/4/17</i> Date
---	---------------------------------	-----------------------

CC: BAC, HILL



5310/6.910/181/17/JB
January 30th, 2017

FAX

Falcon Electrical S.P.C.,
Attn.: Mr. K.R.Chnadran, Manager

17 686535
Fax: 17273646

Dear Sir,

SUBJECT: EQUIPMENTS APPROVALS
EM TUBINGS & RM CONDUIT //
MAKE: INTERNATIONAL TUBE & CONDUITS CO., LTD.(ITCC), KSA

Name of the Project: Bahrain International Airport Modernization Project.

This has reference to your letter dated 21st January 2017, along with documents. We have reviewed the same and based on the submittals it is decided to approve the following items from the manufacturer M/s International Tube & Conduit Co., Ltd., KSA:

- 1) Electrical Metallic Tubings(sizes ½” to 4”) with all fittings.
- 2) Rigid Metal Conduit Steel(sizes ½” to 6”) with all fittings .

However, it is the responsibility of the Consultant to ensure the following:

1. The above items shall be compatible with the regulation requirement of EDD .
2. The above items have been fully tested in accordance to relevant International standards.
3. The actual delivered and installed equipment should be the same as prior approved by Electricity Distribution Directorate.
4. After the completion of the work, the Consultant shall submit a letter of undertaking that the design of the equipment has been tested and meet with all the stipulated requirements.
5. The Consultant/Contractor shall then submit to the Electricity Distribution Directorate the completion certificate duly certified by the Consultant.
6. The Consultant/Contractor shall liaise with EDD at all stages, before commissioning the said equipment.
7. The responsibility for the performances of the subject equipment rests with the Consultant/Contractor. This approval does not entitle the developer of the project to hold Electricity Distribution Directorate responsible in the event of non-performance of the equipment.

Yours sincerely,

Ebrahim Hameed Al Mubarak,
Chief, Planning & Materials





5310/6.910/360/17/JB
February 23rd, 2017

FAX

ADPI – Kingdom of Bahrain
Attn.: Mr. Michael Stolle, MEP Engineer

michael.stolle.sp@adp-i.com

Dear Sir,

SUBJECT: EQUIPMENTS APPROVAL - VARIOUS ITEMS

Name of the Project: Bahrain International Airport Modernization Program

This has reference to material approval application certification by Project Consultant for the following items:

- 1) Raceways & Boxes for Electrical systems (Manufacturer: EAE Elektrik, Turkey & Vendor: Capital Electrical Equipment)
- 2) Under floor trunking & floor box (Manufacturer: OBO BETTERMANN GmbH & Co.KG, Germany & Vendor: Amad Baeed Electrical).
- 3) EM Tubings & RM Conduits (Manufacturer: Panasonic Eco solutions Steel co. Ltd, Thailand & Vendor: Amad Baeed Electrical).
- 4) EM Tubings & RM Conduits (Manufacturer: ITCC, KSA & Vendor: Falcon Trading)

Please note that item 1 & 2 are for the same item, *but from different manufacturers and Vendors*. Same the case of item 3 & 4 also.

For any project we prefer to get the applications for approval as follows:

- a. Project Consultant to recommend *only one source for any item*. Please clarify why recommending more than one source as above.
- b. Also Project Consultant recommended items shall be *fully complying with the requirements of the clauses 1 to 12 of the application for approval of an item*. Hence to avoid rejection of the submittal, Project Consultant is to ensure the correctness of the documents, before certifying and signing the application for material approval.

Yours sincerely,

Ebrahim Hameed Al Mubarak,
Chief, Planning & Materials

JB/jb P&M (various applications)
CC: (1) MAC Members- please see sharing folder & (2) File

**AKTOR S.A., Al-Darwish Engineering,
Costruzioni Cimolai Armando SpA & Cybarco – Joint Venture**

CONTRACTOR'S VERIFICATION STAMP

PURSUANT TO SPECIAL CONDITION 6, WE, AKTOR-AL DARWISH-CIMOLAI-CYBARCO JOINT VENTURE, VERIFY THAT THIS SUBMITTAL SATISFIES ALL REQUIREMENTS OF THE CONTRACT, WITH THE EXCEPTION OF THE FOLLOWING CLARIFICATIONS / PROPOSALS ACCEPTED BY THE ENGINEER:

LETTER/CTI REFERENCE: [NONE]

CONTRACTOR'S PROJECT MANAGER:

PANDELIS ASLANIDES

15 May 2011

NAME

SIGNATURE

DATE

**MATERIAL DATA SHEET
EMT CONDUITS**

Please indicate your major source of supply

PANASONIC / ITCC

DOCUMENT No.: 25045-C1000-94-ERD-E-015

GSE MAINTENANCE FACILITY, MOTOR TRANSPORT WORKSHOP, FACILITIES MAINTENANCE FACILITY BUILDING AND FACILITIES MAINTENANCE FACILITY WORKSHOP

CONTRACT No.: 25045-000-FC1-C000-00094

DOCUMENT STATUS STAMP

- STATUS 1:** WORK MAY PROCEED.
- STATUS 2:** REVISE & RESUBMIT. WORK MAY PROCEED SUBJECT TO INCORPORATION OF COMMENTS INDICATED.
- STATUS 3:** REVISE & RESUBMIT. WORK MAY NOT PROCEED.
- STATUS 4:** REVIEW NOT REQUIRED. WORK MAY PROCEED.

PERMISSION TO PROCEED SHALL NOT CONSTITUTE ACCEPTANCE OR APPROVAL OF DESIGN DETAILS, CALCULATIONS, ANALYSES, TEST METHODS, OR MATERIALS DEVELOPED OR SELECTED BY CONTRACTOR AND SHALL NOT RELIEVE CONTRACTOR FROM FULL COMPLIANCE WITH CONTRACT TECHNICAL SPECIFICATIONS AND DRAWINGS.

OVERSEAS BECHTEL, INC

DATE

REV. NO.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
00	15 MAY 2011	ISSUED FOR REVIEW	A. KAZANTZIS	C. E. MIGIAKIS	P. ASLANIDES



AL DARWISH ENGINEERING



COSTRUZIONI CIMOLAI ARMANDO spa



CP 94 - GSE Maintenance Facility, Motor Transport Workshop, Facilities Maintenance Facility Building and Facilities Maintenance Facility Workshop

MATERIAL SUBMITTAL FORM

MATERIAL SUBMITTAL	DATE: 15/05/2011
Document No.: 25045-C1000-94-ERD-E-015	Page/s: 40

Description of Item Submitted:	
1. Material:	
- Name of Product:	EMT CONDUITS
- Location of Use:	All applicable indoor areas
- Name of Manufacturer:	Panasonic/Matsushita , Thailand ITCC Ltd. , Jeddah 21433 KSA , P.O. BOX 10374
- Country of Origin:	Thailand / KSA
- Name of local Agent / Supplier:	QCMS P.O BOX 22108 DOHA/QATAR (for ITCC)
- Name of Local Agent / Supplier:	East West Trading Intl. P.O. BOX 23340 Doha/Qatar (for Panasonic)
- Name of Sub-Contractor:	N/A
2. Ref. Specification/s:	25045-C1000-94-3PS-S-16101 Rev.01
3. Ref. BOQ Item/s	C4310 (FMF) Maintenance Workshop Facility
	C4315 Switch Gear Building
	C4320 Motor Transport Workshop
	C4800 Ground Service Equipment
	C4830 GSE & MTW Gate House
	C6300 Facilities Maintenance Facility
	C6330 FMF Gate House
	C6340 FMF Security Check Point
4. Attached Documents:	
<input type="checkbox"/> Sample	No
<input checked="" type="checkbox"/> Manufacturer's Literature	YES
<input checked="" type="checkbox"/> Other & Test Report/s	compliance statement , substitution requests
	Manufacturer's ISO & UL Certificates

Comments:

Prepared By:	Checked by: QA	Approved By: Project Manager
A.KAZANTZIS	C. MAVROEIDI	P. ASLANIDES

Issued date:
17-November-2011

Document No.: **25045 – A1100 – 51 – ERD – E – 24 – 0011**

Rev.: **0**

Document Title: MATERIAL SUBMITTAL FOR EMT CONDUIT (Other Source)
Specification Ref: 25045-51-3PS-16101 REV.0

CP51; NORTH NODE CONCOURSE D&E

CONTRACTOR'S VERIFICATION STAMP

PURSUANT TO SPECIAL CONDITION 6, WE, SIXCONSTRUCT – MIDMAC JOINT VENTURE, VERIFY THAT THIS SUBMITTAL SATISFIES ALL REQUIREMENTS OF THE CONTRACT WITH THE EXCEPTION OF THE FOLLOWING CLARIFICATIONS / PROPOSALS ACCEPTED BY THE ENGINEER.

The Contractor – SMJV – verifies this submittal has undergone all necessary inter-discipline coordination checks. This verification is based on tracking information contained within Aconex, CP-51's electronic document control system.

- APPROVED. APPROVED AS NOTED.
- REVISE AS NOTED AND RESUBMIT.
- REJECTED / RESUBMIT.
- NO ACTION REQUIRED. REVIEWED.

Notations Do Not Authorize Changes To Contract Sum or Schedule.

Submittals are reviewed, processed and executed per Division One of the Specifications.

Submittal was reviewed for design conformity and general conformance to the contract documents only. Contractor is responsible for confirming and correlating all sizes, capacity, types, dimensions at the job site and elsewhere for installation, tolerances, clearances, quantities, fabrication, processes, performance and techniques of all construction activities, coordination of his work with other trades and contractors and/or design built activities inclusive of full compliance with the contract documents, standards, and related codes.

Date: **Cris Eva**
Digitally signed by Cris Eva
DN: cn=Cris Eva, o=ndia
email=crisanto.eva@parsons.com,
c=US
Date: 2011.12.21 09:35:12 +0300

PARSONS TRANSPORTATION GROUP INC.

The product submittal has been approved for use in other CPs of NDIA Project.
Approved for sizes 3/4" to 2" only.
Applicable for use only on concealed wiring as per Specs. 16101, Sec. 3.2.B.4.

- APPROVED APPROVED AS NOTED
- REVISE AS NOTED AND RESUBMIT
- REJECTED/RESUBMIT AS SPECIFIED
- NO ACTION REQUIRED REVIEWED

Notations Do Not Authorize Changes To Contract Sum

Submittals are reviewed, processed and executed per Division One of the Specifications.

Submittal was reviewed for design conformity and general conformance of the contract documents only. Contractor is responsible for confirming and correlating dimensions at the job site for tolerances, clearances, quantities, fabrication process and techniques of construction, coordination of his work with other trades and full compliance with the contract documents.

By: many serrano Date: 12/12/2011

HELLMUTH, OBATA & KASSABAUM, INC.

25045-A1100-51-ERD-E-24-0011-0[1].pdf

PM/CM to evaluate. No exception taken.

Document No: 25045 – A1100 – 51 – ERD - E – 24 – 0011 REV 0

Issued by: SMJV

Rev. No.	Date	Description	SMJV
			Prepared By:
0	20/Nov/2011	First Submission	AB/MA

MATERIAL / EQUIPMENT SUBMITTAL SHEET

Material Submittal Ref. No:	25045 - A1100 - 51 - ERD - E - 24-0011	Revision	0
Division	ELECTRICAL	Date:	20-Nov-11
Previous Submittal Reference No.	None	Date:	
Previous Approval Status:	None		
Description of item Submitted:			
1 Material / Equipment:			
Name of Product and Manufacturer, as specified	: EMT Conduit , International Tube & Conduit Co Ltd		
Area and Location of use	: CP51 ; NORTH NODE , CONCOURSE D&E (NDIA)		
Name of product submitted	: Steel Electrical Metallic Tubing in trade sizes of 1/2,3/4,1,1-1/4,1-1/2 and 2		
Name of Manufacturer and Country of Origin	: International Tube & Conduit Co Ltd, Saudi Arabia		
Name Local Agent /Supplier	: Qatari Cable Management System (QCMS)		
Name of Testing Agency	:		
2 Reference Specifications	: Secion ; 16101 , Part 2 clause 2.2		
3 Reference Drawings	: Refer to Drwaing List		
4 Reference BOQ Item(s)	: 16101		
5 Specifications Requirements	: Secion ; 16101 , Part 2 clause 2.2		
6 Specs. Testing Requirements	: N/A		
7 Date required on site	:		
8 Attached Documents:			
<input type="checkbox"/>	Test Reports		
<input type="checkbox"/>	Calculations		
<input type="checkbox"/>	Other		
Comments:			

Submittal for approval of materials

Date: 5th June 2018

Request no: EBB-CAR0-ELE-PIPES-002-1.0

Project no. & title: **Upgrading and Expansion of Entebbe International Airport Project**

Employer: 	Engineer:  Dar Al-Handasah Shair and Partners Kampala 05 JUN 2018 RECEIVED	Contractor: 
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1. Material description (one item only on this form) :
 Rigid steel conduits and fittings

Area of application : Cargo Building
 Drawing ref. : ELE DD of Cargo B.O.Q. ref. no.:
 Specification Ref. : 71973-ELE-SPE-000-014_1.0 Standards: BS 4568, BS EN 50086
 Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier
 Company Name : ITCC
 Address : Jeddah 21433 kingdom of Saudi Arabia
 Local agent : /

3. Delivery :
 Country of origin : Saudi Arabia
 Availability : Locally Manufactured Overseas
 Delivery : Ex-works/ total duration [30 Days] [90 Days]
 Estimated time of arrival on site [10th August 2018]
 Program : Date material required on site [20th August 2018]
 Latest date for order [15th August 2018]

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 : Namy Sherei Signature: [Signature]

4. Engineer's Representative comments:

- The proposed supplier is approved
 - For all exposed installations at electrical, mechanical and service areas, heavy gauge conduit with BS EN 50086 Class 4 should be used
 - For false ceiling installations, light gauge conduit BS EN 50086 Class 3 should be used
 - All accessories and fittings approved such as ~~box~~ circular boxes, switch and socket boxes etc.
 - Flexible conduit conforms to specification and is approved.

Signature: [Signature] Date: 05/06/2018

<input type="checkbox"/>	Approved
<input checked="" type="checkbox"/>	Approved as noted
<input type="checkbox"/>	Revise and resubmit
<input type="checkbox"/>	Rejected
<input type="checkbox"/>	Sample required
<input type="checkbox"/>	Tests required
<input type="checkbox"/>	Additional information required
<input type="checkbox"/>	Manufacturer's guarantee required

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

- Third party certificate showing compliance to BS 4568 and BS EN 50086

- Samples to be provided and mock-up installation shall be submitted on site for approval

