	Project Name : AL FURSAN RESIDENTIAL BUILDINGS		
	Project No. : RES A29 & RES A30		Form No. :
Client: Al Fursan Real Estate Co.	Project Manager: Dimitri Pagonis	Consultant: Salfo Associates Consultant	Contractor: Al Hassan int'l. Trading Co.

MATERIAL APPROVAL REQUEST (MAR)

Submittal Contents: <input type="checkbox"/> - Material/Sample <input type="checkbox"/> - Mock-up <input checked="" type="checkbox"/> - Catalogue/Brochure <input type="checkbox"/> - others	MAR No. AHTC-J015 & J016-MS-MECH-042 Rev. 0 Date Submitted : 07-08-17
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Trade / Discipline: <input type="checkbox"/> - Civil <input type="checkbox"/> - Architectural <input type="checkbox"/> - Electrical <input type="checkbox"/> - Information Tech. (IT) <input type="checkbox"/> - Structural <input checked="" type="checkbox"/> - Mechanical <input type="checkbox"/> - Plumbing <input type="checkbox"/> - Others <input type="checkbox"/> - Landscape <input type="checkbox"/> - Interior Design	Date Required on Site: _____ Production Period: _____ Total Delivery Time: <u>FO & Associates SA</u> Expected Arrival on Site: <u>HILLS RES. A29 & A30</u>
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Description of Material / Equipment: <u>AIR OUTLETS FOR HVAC</u>	<table border="1" style="width: 100%;"> <tr><td>DATE</td><td>8-8-17</td></tr> <tr><td>REF. NO</td><td>1788</td></tr> <tr><td>DISTRIBUTION</td><td>ACTION INFO</td></tr> <tr><td>Proj. Director</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Proj. Manager</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Construction Mgr.</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Civil</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>QA/QC</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Contracts</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Planner</td><td><input checked="" type="checkbox"/></td></tr> </table>	DATE	8-8-17	REF. NO	1788	DISTRIBUTION	ACTION INFO	Proj. Director	<input checked="" type="checkbox"/>	Proj. Manager	<input checked="" type="checkbox"/>	Construction Mgr.	<input checked="" type="checkbox"/>	Civil	<input checked="" type="checkbox"/>	QA/QC	<input checked="" type="checkbox"/>	Contracts	<input checked="" type="checkbox"/>	Planner	<input checked="" type="checkbox"/>
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References: a.) Specs. Ref. : _____ b.) Drawing Ref. : _____ c.) BOQ Ref. : _____ Others : _____	c.) QCS 2010 Ref. : _____ d.) Statutory Req. : _____ e.) Specified Vendors List : _____
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Manufacturer / Supplier Details: <input type="checkbox"/> - Locally Manufactured <input checked="" type="checkbox"/> - Imported	Country of Origin: <u>JORDAN</u>
a.) Local Supplier / Agent: Company Name : Innovative Gate Trading Co. Address / Contacts : Qatar Tel : 974 44141964, Fax: 974 44141937	b.) Manufacturer : Company Name : Cooling Industries Company CIC Address / Contacts : Amman Jordan

Prepared by: (Contractors PE or CM) <u>Dharshan (DC)</u> <small>Name / Sign / Date</small>	Verified by: (Contractors QA/QC, QS, or Proj. Coordinator) <u>Abdul Muqtadir (QA/QC)</u> <small>Name / Sign / Date</small>	Recommended for Approval by: (Contractor's PM) <u>Eng. Moataz Zayed (PM)</u> <small>Name / Sign / Date</small>
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COMMENTS BY THE CONSULTANT

As per our attached Comments Sheet.

F.U.
30/08/2017

(Use a separate comments sheet when necessary, for easy traceability purposes do not forget to include the MAR No., Revision No., & corresponding date of this MAR to the comments sheet)

Submittal Status: <input type="checkbox"/> - A - Approved <input checked="" type="checkbox"/> - B - Approved as Noted <input type="checkbox"/> - C - Revise and Resubmit <input type="checkbox"/> - D - Rejected	Supervision Consultant Signature: <u>[Signature]</u> <small>Name & Signature</small> <u>RE or Senior Engineer</u> <u>30/08/2017</u> <small>Designation Date</small>	Client Approval / Endorsement (when required): <u>[Signature]</u> <small>Name & Signature</small> <u>Project Manager</u> <u>30/08/2017</u> <small>Designation Date</small>
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Approval or comments to the submittals does not relieve the Contractor from their responsibilities. The assessment is to review the general conformance and compliance of the submittal to the contract and specification requirements.

PROJECT : AL FURSAN RESIDENTIAL BUILDINGS RES A29 & RES A30
MAS No : AHTC-J015 & J016-MS-MECH-042 Rev.0
Date of Issue : 07/08/2017
Material Description : AIR OUTLETS FOR HVAC
Manufacturers : COOLING INDUSTRIES COMPANY (CIC) / JORDAN
Supplier : INNOVATIVE GATE TRADING Co. / QATAR

COMMENTS SHEET

1. We approve the proposed Air Terminal Devices, as those listed and specified in Submittal for Air Outlets, for A29 and A30 Building Projects, from Manufacturer Cooling Industries Company / JORDAN, and Supplier Innovative Gate Trading Co / QATAR, subject to following comments.
 - a. Provide Schedules of Air Terminals Devices, which should be categorized for each Building Project A29 and A30, per Fan Ducting Systems of each Project. For example for A29 Building Project, five (5) no Categories of Fun Ducting Systems, each one comprising Sub-Categories, as the total number of the various Tag Numbers as per approved Equipment Schedules and as per attached Table of "A29 Ducting System Categories & Total Ducting Systems Tag No".
 - b. For each item of Air Terminal Device Schedules, as described above, should be specified also, apart from the Ducting System, in which it is installed, the Building Room Number (as specified in Architect approved Shop Drawings) and Building level.
2. All Grilles, Diffusers, Dampers and any other fire rated duct accessories or elements that are part of the fire rated ductwork system must be fire rated and have UL and other applicable listings or certifications, including QCDD certificate. Ensure the Grilles that are required for this system are submitted for review under a separate submittal.
3. Test Certificates and Certificate of Origin should be transmitted along with any product delivery to site and should be attached to any relevant Material Inspection Request (M.I.R.).
4. Manufacturer instructions for transporting, handling, storage, installation, testing, commissioning and maintenance should be also submitted along with every product delivery at site and should be also attached to any relevant Material Inspection Request (M.I.R.).

SALFO MEP Engineer
P. Kostopoulos

30/08/2017

A29 Ducting System Categories & Total Ducting Systems Tag No

S/N	s/n	Equipment Category Tag No	QTY	Serviced Area	Installation Level	Fire Rated
A.	Exhaust Air Fans (EAF)		26			
	1	EAF-01	1	Car Parking	Roof	250C @2Hrs
	2	EAF-02	1	Residential Toilets	Roof	
	3	EAF-03	1	Fire Water Pump	B1	250C @2Hrs
	4	EAF-04	1	Domestic Water Pump	B1	
	5	EAF-05	1	Main Electr. Room	B1	250C @2Hrs
	6	EAF-06	1	Garbage Collection Room	G	
	7	EAF-07	5	Garbage Rooms	V	
	8	EAF-07'	6	Electr. Rooms	V	250C @2Hrs
	9	EAF-08	6	Kitchen	Roof	
	10	EAF-09	3	Kitchen	Roof	

B.	Pressurization Fans (PF)		2			
	11	PF-1	1	Staircase-1	UR	250C @2Hrs
	12	PF-2	1	Staircase-2	UR	250C @2Hrs


C.	Fresh Air Fan (FAF)		2			
	13	FAF-01	1	Car Parking	Roof	250C @2Hrs
	14	FAF-02	1	Fire Water Pump	B1	250C @2Hrs

D.	Fresh Air Handling Unit (FAHU)		1			
	15	FAHU-01	1	Residential	Roof	

TOTAL FANS Tag-No	31
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E.	Fan Coil Units (FCUs)		121			
	16	FCU-1	79	Varius	Varius	
	17	FCU-2	3	Varius	Varius	
	18	FCU-5	39	Varius	Varius	

TOTAL FANS & FCUs Tag-No	152
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 P.U.
 30/08/2017

Attached to Comments Sheet of SALFO's reply to Material Submitted No AHTC-J015&J016-US-MECH-012 Rev.0, dated 02/08/2017. for "AIR OUTLETS FOR HVAC".