Shamiya Extension Project

SAUDI BINLADIN GROUP
Architecture & Building Construction Division

CONTRACTOR : SAUDI BINLADIN GROUP

Date : 25.07.2013

New Submittal

Resubmittal

SUBMITTAL FOR MATERIALS APPROVAL

REFERENCE NO.  CUC-MAT-CV-Wall Partition-002-04

DEPARTMENT

To:

1. SUBJECT : Gypsum Board Wall Partition.

2. Submittal Description:- Fire-Rated Gypsum Board Partitions.

   Attachments :-
   
   - Reply Of Comments.
   - Acoustical Test Reports.
   - RFI For SBG Partition Proposal.
   - Compliance Sheet.
   - Test Report.
   - Warranty.

   Attachments
   - Samples
   - Catalogue
   - Product Warranty ✓
   - Test Report ✓
   - Tech. Data ✓
   - British Standard Details
   - Pre-Qualification
   - Compliance Sheet ✓
   - Job Reference
   - Method Of Statement
   - Design Calculation ✓
   - Reply of comments ✓
   - Others ✓

Area of Application : Training Center Building & Service Building - CUC
( as per attached Drawings ).

Specification Ref : Section # 09251 & 09260 Rev.01

3. Manufacturer & Supplier: GYPROC Saint Gobain.

Supplier Address : Issam K. Kabbani- Group of Companies. / Unitech
P.O.Box 50533 Jeddah 21533.

SUBMITTED BY : ABCD  FOCUS

Eng.Baghat Kharbouch

This section will be used by Approving Authority only.

4. ENGINEER'S REPRESENTATIVE'S COMMENTS:

   APPROVED AS NOTED, REFER TO COMMENTS ON ATTACHED SHEET (1/1)

   A) Approved ✓
   B) Approved as Noted ❌
   C) Revise & Resubmit ❌
   D) Rejected ❌

Sample Required
Tests Required
Additional information Required
Manufacturer's Guarantee Required

Eng. Name: A.W.  Title:  Signature:  Date: 27-8-2013

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

**CODE B (APPROVED AS NOTED)**

1. Submittal is for wall partitions assemblies with 2Hrs Fire Rated Gypsum Boards and 60 db STC, to be installed in Training Centre and Service Building – CUC.

2. According to submitted RFI # (UT-RFI-DDR-SBG-DCC-AR-AR-10245) proposed assembly type is approved by DAH to be associated to wall types W10a, W10b, W11a, W16 and W17. Please note that no moisture resistance, mold resistance and abuse resistance systems are included within submitted composition and are excluded from this revision, to be separately submitted (if any).

3. Proposed assembly consists of 2 plies x 15mm of fire rated gypsum boards (Gyproc Fireline) from “British Gypsum” at each side in addition to a 50mm glass wool with density equal to 12.37kg/m3 from “ISOVER”.

4. Acoustic test report # 15279A carried out by “BTC lab” is accepted.

5. Fire resistance test report # DFL0399-00 carried out by “EXOVA lab” is accepted.

6. No moisture resistance, mold resistance or abuse resistance systems are included within submitted composition and are excluded from this revision, to be separately submitted (if any).

7. Final manufacturer and installer warranties to be submitted (submitted warranty sample is from the manufacturer only).

End of Comments
SAUDI ARAMCO
KING ABDULAZIZ CENTER FOR WORLD CULTURE PROJECT DEPARTMENT
KAC Building Façade & External Projects Division
Saudi Aramco PMT Site Office, Dhahran
Tel: 862-3601; Fax No. 862-3644

March 24, 2014

KACBF&EPD/L-356/14

CONTRACT # 6600024666 (IK)
KING ABDULAZIZ CENTER FOR WORLD CULTURE PROJECT

No Objection to Placement
Gypsum Board False Ceiling
TRV-A-033 Part-1 Option 2
CLG 01.07 and CLG 01.08
ADCI-H75-09-A041-DA

Saudi Oger Co Ltd
PO Box 1449
Riyadh 11431, Saudi Arabia

Attn: Bilal Ansari, Deputy COO


Reply Required: NO

Notwithstanding Company’s comments on the Technical Evaluation for the above referenced requisition, COMPANY has no objection to Contractor’s recommendation to place the subject material purchase order with Roots Group Arabia Co Ltd. located at Royal Plaza, Prince Sultan Bin Abdulaziz Street, Al Nahda Area, 52269 Jeddah, Kingdom of Saudi Arabia for the supply of Gypsum Board False Ceiling manufactured by Saint Gobain Gyproc Middle East FZE located at ICAD 1, Mussafah Plot number 39/R6, Abu Dhabi, U.A.E.

Company’s no-objection is conditionally approved based on:

1. Approval is exclusively granted for ceiling type CLG-07 and CLG 01.08 only.

2. Submit samples as a single unified submittal with all other preliminary drawings.

3. Installation of ceiling type CLG-01.7 and CLG-01 08 shall not commence until SOL submits information confirming the proposed installation vendor’s qualifications to SAPMT for review and approval. Provide all required supporting documents, experience and qualification information under separate submittal. Reorganize and tidy-up TRV package to avoid Company’s confusion regarding review of intended submittals, supporting certificates etc.

4. Provide written compliance statements in response to each point of concern raised above and in the attached document titled: TRV Submittal Comments dated January 29, 2014 (2 pages).
The inclusion of the above comments and requirements shall be submitted and readily apparent during submittal of preliminary drawing (NMR-601) documents.

This non-objection does not relieve you of any schedule obligations or other contractual obligations to provide a technically acceptable design and/or material product and schedule which meet all Saudi Aramco specifications, project requirements and construction schedule requirements.

Should you have any questions, please contact Ted Valentiner or John Leighty.

cc: NRW/FXZ/NAH/FTV
    File Index G.3.4
    Letterbook
    Attachment: (2 pages)

KAC Building Façade & External Project Div
TRV Submittal Comments

Information Submittal(s):

TRV-A-033 Part 1 Option 2 Gypsum Board False Ceilings **SUBSTITUTION PACKAGE**.

Vendor: Roots Group Arabia Co. Ltd. – (Note: supply only vendor.)

Manufacturer: Saint Gobain Gyproc Middle East FZE

General comments:

1. Noted that this submittal is a proposed **substitute** package for limited sections of work. The complete submittal appears to be limited to the following gypsum board ceilings **only**:
   - CLG-01.01 – Two layers 12.5mm board.
   - CLG-01.07 – Four layers 15mm Firestop boards.
   - CLG-01.08 – Two layers 15mm Firestop boards.

2. SOL is to submit a formal substitution request.

3. Noted that this complete submittal is for the **supply** of material/components **only**.

Reference meeting between SAPMT/SOL, January 29 2014:

4. SAPMT have no objection to the supply of material/components associated with ceiling type **CLG-01.01 only**.

5. SOL stated that there appears to be no requirement for ceiling type CLG-01.01B in the IFC drawings. Should the requirement for this ceiling type, a variant to CLG-01.01 to include mineral wool layer, SOL agreed to provide this with no impact.

6. Comments are reserved for ceiling types CLG-01.07 and CLG-01.08 until such time as SOL submit further supporting information to validate the technical information submitted for both of these ceiling types.

7. SOL to submit supporting information to confirm the installation vendor(s). SOL is to confirm the installation vendor(s) is/are approved installer(s) of Gyproc products and components. Submit company profile and previous projects statement/schedule specific to Gyproc products/components for each proposed vendor(s).

8. **Installation of the ceiling type cannot commence until such time as the above information is submitted for SAPMT review.**

Charles Cutting – 29 January 2014
Page 1 of 2
9. No part of these review comments shall be construed as a change to the IFC unless expressly noted by PMT.

10. Submit samples of all proposed products/components associated with each of the above ceiling types. Submit as one mounted unified submittal.
SUBMITTAL FOR APPROVAL OF MATERIALS

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>King Abdullah Foundation Project (KAFP)</td>
<td>Saudi Binladin Group</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contract No.</th>
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</tr>
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<tbody>
<tr>
<td>P-1350</td>
<td>MAT-GEN-A0142</td>
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<thead>
<tr>
<th>Region</th>
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<tr>
<td></td>
<td>Dry wall - Gyproc</td>
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<table>
<thead>
<tr>
<th>Employer's Name</th>
<th>Consultant's Name:</th>
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<tr>
<td>KAPH</td>
<td>Saudi Diyar</td>
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<tr>
<td>April 17, 2014</td>
<td>2</td>
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**TO: THE CONSULTANT AND ENGINEER (IF REQUIRED):**

We request the Consultant's approval and Engineer's approval (if required) on the following Materials:

**1- MATERIAL DESCRIPTION (One item on this form)**

<table>
<thead>
<tr>
<th>Area of Application</th>
<th>Type of Material</th>
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<tr>
<td>B01 &amp; B02</td>
<td>Architecture</td>
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<th>Specification</th>
<th>Standards</th>
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<table>
<thead>
<tr>
<th>Enclosures</th>
<th>Document No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Data Sheet w/ Cd &amp; 2 Sample Board</td>
<td></td>
</tr>
</tbody>
</table>

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

**2- MANUFACTURER / SUPPLIER**

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Vendor No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saint-Gobain Gyproc</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Address</th>
<th>Listed in Approved Project Vendor's List</th>
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</thead>
<tbody>
<tr>
<td>PO Box 261107, Office 3302, Saba 1</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Local Agent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jumeirah Lakes Towers, Dubai, UAE</td>
</tr>
</tbody>
</table>

**3- DELIVERY STATUS**

<table>
<thead>
<tr>
<th>Country of Origin</th>
<th>Estimated Date of Arrival on Site</th>
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<tr>
<td>UAE</td>
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<tr>
<th>Availability</th>
<th>Latest Date for order</th>
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<td>Overseas</td>
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<table>
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<tr>
<th>Delivery Program</th>
<th>Date of Material Required on Site</th>
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<tbody>
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<td>10 MAY 2014</td>
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</tr>
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</table>

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 they are supplied the submitted Items in full conformity with timely delivery otherwise stated and also that the material sources indicated above have been reviewed in detail and that

**FOR: THE CONTRACTOR**

<table>
<thead>
<tr>
<th>Dept. Head:</th>
<th>Doc. Control Manager:</th>
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</table>

<table>
<thead>
<tr>
<th>QA/QC Dept. :</th>
<th>Project Manager:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ENGINEER / CONSULTANT'S COMMENTS:**

--- refer to the attached site staff comments ---

**ACTION CODE**

- [ ] A: Approved As Submitted
- [X] B: Approved As Noted
- [ ] C: Revise and Resubmit
- [ ] D: Disapproved - Resubmitted
- [ ] E: Receipt Acknowledged

**TO: THE CONTRACTOR**

Approval shall not relieve the Contractor of its obligations and liabilities under the contract or constitute authorization of any change to Contract Documents, and therefore, shall not imply any recognition whatsoever of additional time or cost to the contract.

**FOR: THE ENGINEER / CONSULTANT**

<table>
<thead>
<tr>
<th>Name:</th>
<th>Signature:</th>
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<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Date:</th>
<th>10-may-14</th>
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</table>

**FOR: THE EMPLOYER**

<table>
<thead>
<tr>
<th>Name:</th>
<th>Signature:</th>
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<tr>
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</table>

<table>
<thead>
<tr>
<th>Date:</th>
</tr>
</thead>
</table>

KAPH Acknowledgment Reference No: - Signature -
Site Staff Comments

Subject: Comments on Submittal for Approval of Materials
Dry Wall - Gyroc (for B01 Hotel and B02 Convention Center)

Received Date: 6-May-14
Issued Date: 10-May-14
Contractor: SBG - ABCD
Project Title: King Abdullah Foundation Project (KAFP)
Project No.: RY-1045
Attachments: Material submittal with sample boards
Trans. Number: MAT-GEN-A0142
Trans. Date: 17-Apr-14

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

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Material submittal for dry wall (Gyro) has been reviewed and found acceptable. Dimensions and thickness to be followed as per project specification (092900 Part 2-2.1A) Minimum thickness of metal support materials shall be 0.60mm</td>
</tr>
<tr>
<td>2</td>
<td>Install full size mock-up of all different elements for the gypsum drywall partitions and ceiling. (Floor to floor mock-up sample on the site for approval)</td>
</tr>
<tr>
<td>3</td>
<td>Provide drawing showing the locations of dry wall to be submitted for approval.</td>
</tr>
<tr>
<td>4</td>
<td>Submit detailed shop drawings showing all ID finishes, fixation details, and sections of dry wall partition, together with the Fire and STC ratings for approval.</td>
</tr>
<tr>
<td>5</td>
<td>Provide clear dimensions for wall thickness for all fire rated walls.</td>
</tr>
<tr>
<td>6</td>
<td>Provide latest laboratory test reports from an Independent Testing Laboratory.</td>
</tr>
<tr>
<td>7</td>
<td>Materials Inspection Request (MIR) to be submitted upon delivery of materials on site, to verify dimensions and thickness as required.</td>
</tr>
<tr>
<td>8</td>
<td>The Contractor is responsible to achieve Fire and STC rating requirements based on the wall type and acoustic report.</td>
</tr>
<tr>
<td>9</td>
<td>Coordinate with the Consultant prior to any activity related to dry wall partition installation.</td>
</tr>
<tr>
<td>10</td>
<td>LEED Comments: SBG to track regional and recycled materials by weight and cost.</td>
</tr>
</tbody>
</table>

Recommended Code: B

Name: Mosleh Moh'd. Jamal
Senior Site Architect
Signature: [Signature]
Date: 10-May-14

Name: Alvin L. Ceballos
Materials Engineer
Signature: [Signature]
Date: 10-May-14

F-CS09/A
**SDC Staff Comments**

**Subject:** Dry Wall - Gyproc

**Received Date:**

**Contractor:** Saudi binladin Group.

**Project Title:** King Adullah Foundation Project

**Project No.:** RY-1045

**Attachments:**

**Trans. Number:** MAT-GEN-A0142 **Date:** 4/5/2014

---

These review was for Arch. Only the site team should review the MEP & IEED requirements.

Design drawings, specification, and site requirements have been used in the review.

with the following conducted remarks:-

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Comments</th>
<th>Recommended Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Floor to Floor Mock-Up sample required on the site for approval.</td>
<td>B</td>
</tr>
<tr>
<td>2</td>
<td>Drawings showing the locations of the dry wall to be submitted for approval.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Full shop drawings showing all ID finishes fixation details on the dry wall to be submitted for approval.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>clear dimensions for wall thickness for all fire rated walls.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>The contractor responsibility to achieve FSTC based on the walls type and acoustic report.</td>
<td></td>
</tr>
</tbody>
</table>

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Name: [Signature: [Handwritten Signature]]

**Sr. Site Archit. Eng.**
SUBMITTAL FOR APPROVAL OF MATERIALS

1. MATERIAL DESCRIPTION (one item only on this form):
   - (FIRE SOUND INSULATION & ACCOUSTIC RESISTANT PLASTER BOARD / IWS-224 SHAFT WALL 122MM THICKNESS)
   - IWS-214-A GYP WALL CLASSIC 122MM THICKNESS, IWS-214-B GYP WALL CLASSIC 152MM THICKNESS,
   - IWS-214-C GYP WALL CLASSIC 203MM THICKNESS, IWS-301 GYP LINER UNIVERSAL ADJUSTABLE
   - (25-85/135MM) IWS-321 GYP LINER IWL, IWS-322 GYP LINER IWL (WITH SAMPLE BOARD)

   Area of Application: AS SHOWN IN ATTACHMENT

   Drawing Ref.: A-10-LI-103 / A-37-KX-101-52 / A-10-LI / L3-103
   B.O.Q. Ref. No.: SECTION K
   Specification Ref.: K10

   Standards: BSEN-520 TYPE F

2. MANUFACTURER/SUPPLIER:
   - Company Name: GYPROC (SAINT GOBIN)
   - Address: FZE, DUBAI
   - Local Agent: BUILDING PRODUCTS COMPANY

3. DELIVERY:
   - Country of Origin: UNITED ARAB EMIRATES
     - 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 proposed drawings and specifications except as otherwise stated; the submitted items in conformity with the above and deliver same and agree that the materials and works indicated above have been reviewed in detail and that they will supply

   Prepared by: MR. ABDULLAH QINNEH.  
   Submitted by: MR. GHASSAN MOURAD.

4. ENGINEER'S REPRESENTATIVE'S COMMENTS:
   - Refer to the attached Comments for Consideration.

   Signature: [Signature]
   Signature: [Signature]

   Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.
Date: 04/08/2013
Reference No: P1P2-S2-SAM-A-0783-R00
Subject: Fire and acoustic resistant plasterboard IWS 214,224,301,321,321

Status:
- Approved
- Approved as Noted
- Revise and Resubmit
- Rejected
- Sample required
- Tests required
- Additional information required
- Manufacturer’s Guarantee required

Comments are as following

“GYPROC” Plasterboard and “GYPFRAI” metal frames are approved material and subjected to the following requirements:

- Type IWS-311 Internal Wall System was missed from product dated sheets.
- Moisture Resistant Plasterboard shall be Gypsum plasterboard with silicone additive water protection and water repellent paper liners to BS EN 520, Types A and H1.
- Fire Resistant Plasterboard shall be Gypsum plasterboard with glass fiber and additives in core to improve fire resistance to the requirements of the NPFA codes and the Fire Strategy Report.
- Fire and Moisture Resistant Plasterboard shall be
  a) Gypsum plasterboard with glass fiber and additives in core to improve fire resistance to the
     Requirements of the NPFA codes and the Fire Strategy Report
  b) Gypsum plasterboard for use within shaft wall to BS EN 520, Types D, F and H1.
- Acoustic Plasterboard shall be Gypsum plasterboard with higher density core to improve sound insulation to BS EN 520, Type D.
- Impact Resistant Plasterboard shall be Gypsum plasterboard with higher density core with glass fiber and other additives in the core to BS EN 520, Types D, F, I and R.
- Joints shall be filled with necessary transition reinforcing mesh/ tape, and boards shall receive Type PLS-101 Plaster as contained in Section M20. Submit skim coat compatible with GYPROC systems.
- Foll backed Plasterboard and High Performance Building Board compliance products to be provided

DAR AL-HANDASA (Shair and Partners)
Haramain High Speed Rail (HHR-508139)

1 | Page
- Metal studwork shall be fabricated from hot-dip zinc coated and iron zinc alloy coated sheet steel to BS EN 10143, being not less than 0.55mm thick fixed by zinc or cadmium plated self-drilling and self-tapping countersunk headed screws.

- A joint warranty signed by both manufacturer, applicator and contractor must be submitted for each system and condition of the exposure, to be valid for 20 years from substantial completion of the works, as per the categories of design life for buildings, Reference BS.7543 as well as contract specification section K10.

- The work shall be applied by a recommended and experienced applicator (to be submitted for approval individually), having a min. 10 years exp. With Gypsum plasterboard works and must be attested by the manufacturer SAINT-GOBAIN and BRITISH GYPSUM.

- Resistance to wear, impact, ageing, surface deterioration and discoloration shall be proven by giving a reference of similar projects which have been in use for at least 5 years (This will be ensured through a visit to one of these project in KSA)

- The final finished application and system must be in compliance with section K10.2100 specification.

- No other systems should be integrated with GYPROC systems for compatibility purpose.

- Method statement to be submitted separately for review and further approval.

- Final approval subjected to a satisfactory site mock-up.
SAMPLE PHOTO
# Construction Review Form

**Review Reference:** CRS-MAT-00043  
**Submitted Reference:** CDS-MAT-00022

**Trade:** A  
**Date:** Mar 29, 2016  
**Transmittal Number:**

<table>
<thead>
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<th>Item No.</th>
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<th>Rev</th>
<th>Title</th>
<th>Code</th>
<th>Reviewed Link</th>
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<tbody>
<tr>
<td>1</td>
<td>MAT-GEN-A-0032</td>
<td>00</td>
<td>Gyproc Gypsum Board Ceiling</td>
<td>Approved as noted</td>
<td>Reviewed</td>
</tr>
</tbody>
</table>

**Edited By:** Tahani Katerji  
**Signature:**

MOHAMED FAYEZ  
ATT. 02484

**RECEIVED**  
30 MAR 2016

**29 MAR 2016**  
ORIGINAL
# Submittal for Approval of Materials

**Project Name:** Abraj Kudai Project  
**Contract No.:** P13166  
**Region:**  
**Employer's Name:** Ministry of Finance  
**Engineer's Name:** Dr. Al-Hendalah

## TO THE ENGINEER:

We request the Engineer's approval on the following materials:

### 1. MATERIAL DESCRIPTION

- **Type of Material:** Gypsum Gypsum Board Ceiling  
- **Area of Application:** General  
- **Drawings Ref.:** 82930  
- **BOQ Ref No.:**  
- **Standards:**  
- **Enclosures:**  

Attach all relevant technical literature required to fully support the submission, current test certificates, services as appropriate.

### 2. MANUFACTURER / SUPPLIER

- **Company Name:** Gypsum Board Galata  
- **Address:**  
- **Local Agent:**  
- **Vendor No.:**

Listed in Approved Project Vendors’ List.

### 3. DELIVERY STATUS

- **Country of Origin:** United Arab Emirates  
- **Availability:**  
- **Delivery Program:**  
- **Estimated Date of Arrival on Site:**  
- **Date of Material Required on Site:**

We certify that the above submitted items have been reviewed in detail and are adopted and in full conformity with the contract, requirements and specifications except as they will supply the above-laid items in full conformity with timely delivery otherwise delayed and after the required solutions indicated above have been reviewed in detail and trust.

**FOR THE CONTRACTOR**  
Sr. Architect: Ayman Hamdy  
Dev. Engineer: Mohammed Al-Allah  
Project Manager: Mohammad Saman

**ENGINEER’S COMMENTS:** As per attached Comments.

**ACTION CODE**
- **A:** Approved As Submitted
- **B:** Approved Except as Noted
- **C:** Revise - Resubmit
- **D:** Rejected

**FOR THE ENGINEER:**  
Name: Ibrahim C. Labban  
Signature:  
Date: 11/12/2015

**FOR THE CLIENT:**

**Circled Text:**
- "RECEIVED 30 MAR 2016"  
- "ACCEPTED FINAL DATE 3/17/AG"
**CONSTRUCTION REVIEW FORM**

Review Reference: CRS-MAT-00044
Submitted Reference: CDS-MAT-00025
Trade: A
Date: Mar 29, 2016
Submitted Reference: CDS-MAT-00025
Transmittal Number:

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<td>00</td>
<td>Gyproc Gypsum Dry Wall Partition</td>
<td>Approved as noted</td>
<td>Reviewed</td>
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</table>

Edited By: Tahani Katerji
Signature: MOHAMED FAYEZ ATT. 01A4

**ABRAJ KUDAI PROJECT**

**RECEIVED**
30 MAR 2016

**ORIGINAL**
29 MAR 2016
# MATERIAL DESCRIPTION

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Material</strong></td>
<td>Gypsum Gypsum Dry Wall Partition</td>
</tr>
</tbody>
</table>

## MATERIAL DESCRIPTION (Code Item on this form)

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Material</strong></td>
<td>Gypsum Gypsum Dry Wall Partition</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Lightweight, non-combustible, soundproof, fire-resistant</td>
</tr>
<tr>
<td><strong>Usage</strong></td>
<td>Partition, dividing walls</td>
</tr>
<tr>
<td><strong>Delivery Status</strong></td>
<td>Estimated Date of Arrival on Site: 30/11/2015</td>
</tr>
</tbody>
</table>

## MANUFACTURER / SUPPLIER

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Company Name</strong></td>
<td>Gypsum Gypsum Company</td>
</tr>
<tr>
<td><strong>Vendor No</strong></td>
<td>123456</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>P.O. Box 123, City</td>
</tr>
</tbody>
</table>

## DELIVERY STATUS

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Delivery Date</strong></td>
<td>30/11/2015</td>
</tr>
<tr>
<td><strong>Estimated Date of Arrival on Site</strong></td>
<td>30/11/2015</td>
</tr>
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</table>

## ACTION CODE

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td><strong>A</strong></td>
<td>Approved As Submitted</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td>Approved Except as Noted</td>
</tr>
<tr>
<td><strong>C</strong></td>
<td>Reject</td>
</tr>
<tr>
<td><strong>D</strong></td>
<td>Rejected</td>
</tr>
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</table>

## FOR THE CONTRACTOR

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sr. Architect</strong></td>
<td>Ayman Hady</td>
</tr>
<tr>
<td><strong>Project Manager</strong></td>
<td>Mohammed Ayy Elbash</td>
</tr>
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</table>

## FOR THE CLIENT

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contractor of IC</strong></td>
<td>Abraj Kudai Project</td>
</tr>
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</table>

## ENGINEER'S COMMENTS

As per attached Comments.

Carlos Zeid

## ACTION CODE

A: Approved
B: Approved Except as Noted
C: Reject
D: Rejected

FOR THE ENGINEER:

<table>
<thead>
<tr>
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<th>Details</th>
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<tbody>
<tr>
<td><strong>Designation</strong></td>
<td>Architect</td>
</tr>
<tr>
<td><strong>Name</strong></td>
<td>Ibrahim C. Labban</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>30/11/2015</td>
</tr>
</tbody>
</table>

FOR THE CLIENT:

<table>
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</thead>
<tbody>
<tr>
<td><strong>Date</strong></td>
<td>30/11/2015</td>
</tr>
</tbody>
</table>

## ACCEPTED

Date: 30 M AR 2016

## REFERENCE

Date: 23/3/2016
Submittal for Approval of Materials (Including Samples)

1. Material description (one item only on this form):
   Gypsum Board (Ceiling & Partition) & Accessories - Gyproc (2 Sample Boards)

Area of application: Reflected Ceiling - ICC & Wall Partitions in MCB Basement

Drawing ref.: All Reflected Ceiling Drawings
B.O.Q. Ref. No.: 092900 - Div-09

Specification Ref.: 092900
Standards: 

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

2. Manufacturer / supplier
   Company Name: Gyproc - Saint Gobain (British Gypsum) Co. / Fifth Star Co.
   Address: 501, 5th Flr, Al-Khurafi Center, Madinah Rd, P.O.Box 12484, Jeddah 21473, KSA
   Local Agent: KSA

3. Delivery:
   Country of origin: Abu Dhabi, U.A.E.

   Availability: [ ] Locally Manufactured [ ] Overseas

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

   Estimated time of arrival on site
   Program: Date material required on site
   Latest date for order

4. Material required for LEED buildings "To Achieve Points"
   1- Evaluated for LEED-4.2.1 focused on materials as per MTF (material transport fuel).
   2- a) Gyproc Joint Compound - Actual voc < 250g/l < allowed: 2000g/l (Scoring)
   3- b) Gyproc Shrink Wall - Actual voc: < 2000g/l (Scoring)
   4- 
   5- Not Evaluated for HQC's since targeted Regional Content already achieved (Refer to LEED states report & HPC calculation)

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: Haltham Mohamed AbdelAziz Ali

Verified by: Tarek C. Bendriss

4. Owner'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 R.E. Arch. Hasaan AlAmri Date: 21/9/15

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.
Comments on Request No. ICC-MTS-718  Received on 25-08-2015

Gypsum boards & accessories - GYPROC

With 2 Sample Boards

Code (B)

1- Submit detailed method of suspension system on concrete/steel structure with calculation for approval.
2- This material product is principally approved considering the following comments that should be fulfilled prior to commencing work.
3- Submit detailed shop drawings showing all ceiling elements, fixation details, and sections of drywall partition, together with the fire and STC ratings for approval.
4- Install full size mockup of all different elements for the gypsum drywall partitions and ceiling (floor to floor mockup sample on site) for approval.
5- Materials inspection request (MIR) to be submitted upon delivery of materials on site, to verify dimensions and thickness as required.
6- The contractor is responsible to achieve Fire and STC rating requirements based on the wall type and acoustic report.
7- Groove sample is missing (between ceiling and wall) refer to dwg TD-MCB-AI-302-1 OF 1 detail No. 1.
8- 5 elements on the sample board have no ID/label or model number.
9- Additional blocking elements to be provided as per dwg No. MCB-AI-302-1 OF 1 detail No. 9,11.
10- Warranty certificate should be submitted by main contractor starting from substantial completion.
11- Submit installer prequalification separately for approval.
| SUBJECT | SMC Interiors  
| Ecophon Focus E-Tile. |
| MATERIAL DESCRIPTION | Ecophon Focus E-Tile.  
| 600x600mmx200mm Acoustical Ceiling Tiles. |
| Attachments: | * DAR Response on Submittal No. 1109-00-AR-MT-095113-Q-01-00 (AR-MDS-1240 / AR-MRS-1273) 
| * Reply to Comments.  
| * For Comment No. 6: Cavity Barriers, Kindly refer to attached DAR Response to RFI No. ABCD-RFI-AR-1116. |
| All Floors @ Mataf Project |
| Drawing Ref. No. | |
| Specification Ref. | 095133 |
| B.O.Q. Ref. | |
| Note: | ORIGINAL ATTACHED  ☑  SOFT COPY ATTACHED  ☑ |

Manufacturer: Saint-Gobain - Ecophon  
Supplier: SMC Interiors, KSA  
Supplier Address: P.O. Box 13018, Jeddah 21493, KSA, Tel: +966126376082, Fax: +966126365433  
Web: www.smcinnteriors.com, Email: info@smcinnteriors.com

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

**SUBMITTED BY:** ENGR. ATEF HOSNY ELSAYED  
TECHNICAL MANAGER  
Signature:  

This section will be used by Approving Authority only:

**ENGINEER'S REPRESENTATIVE'S COMMENTS:**  

A) Approved  ☐  
B) Approved as Noted  ☑  
C) Revise & Resubmit  ☐  
D) Rejected  ☐

Sample Required  ☐  
Tests Required  ☐  
Additional Information Required  ☐  
Manufacturer's Guarantee Required  ☐

Engr. Name: M.I.R.M.A.A.  
Title:  
Signature:  
Date: 11-05-2016

Approval shall not relieve Contractor of his liabilities under the contract or constitute authorization of any change to contract documents.
Reply to Material Ref. # AR-MDS-1349#
Submittal Reference - 1109-00-AR-MT-095113-Q-02-00
Ecophon Focus E - Tiles 600x600x20 mm – For Acoustic Ceiling Only.
Manufactured by Saint Gobain \ SMC
Proposed to be used as Acoustic Ceiling Panels F=12, 15, 36, 45, 47 & 48 - At Mataf Project.

**Code (B) Approved as noted.**

Submittal was reviewed according to Mataf project #s11082 specs #095113 & project finish schedule.

**Please find the Arch. Material comments as shown below:**
1. The submitted ceiling tiles can be accepted complying with specs requirements item# 2.3-g as a Base of Design.
2. for CertainTeed Seismic suspension system, Pls. note the followings:
   a. As per specs item#2.7a-1, Item ACS12-12-20 is the heavy-duty main runner for the said system.
   b. CertainTeed Seismic Perimeter Clip (CTSPC) and other Seismic accessories (CTSTJ) to be applied in order to satisfy submitted ICC ESR-3336 – section 4.2.1 for heavy duty runner.
3. Anchor data sheet to be submitted separately for “Stainless-steel components complying with ASTM F 593 and ASTM F 594, Group 1 Alloy 304 or 316 for bolts; Alloy 304 or 316 for anchor in wet area – complying with specs requirements 2.6-c."
4. Sound attenuation insulation and auxiliary materials to be submitted separately.
5. Manufacturer and applicator standard warranty to be submitted from substantial completion date.

**Please find the Arch Design Dept. comments as shown below:**
1. Suspensions system for acoustical ceiling tiles to consider fixation height at ground & first mezzanine floors up to 5000 mm.
2. For all acoustic ceiling tiles used at back of house corridors should have maximum 100 mm height as considered in all previous coordination issues, submittal shows a variety of heights for tiles between 110 - 200 mm.

**Please find the Façade Dept. comments as shown below:**
1. Contractor reply to comment No.1 is noted.
2. Contractor reply to comment No.2 is not sufficient, Submit detailed shop drawings showing overall system, points of fixation, and connection details.
3. Contractor clarification about comment No.3 is noted, however, contractor is to verify the connection between the wall angle and the concrete structure.

END OF COMMENTS
Submittal for Approval of Materials

Location:  
- Riyadh Maternity Hospital  
- Jeddah (Neuroscience Hospital)  
- Jeddah (Children Hospital)  
- Taif Specialized Hospitals  
- Qassim Specialized Hospitals  
- Medical Buildings  
- Non Medical Buildings  
- ARCH  
- STR  
- ELE  
- MEC  
- OTHERS  
- LEED Compliance  
- Samples

1. Material description (one item only on this form):  
Rated, Non Rated Gypsum Board Assemblies

Area of application:  
As per Drawings

Drawing ref.:  
B.O.Q. Ref. No.:  
Specification Ref.: 09260, 09259, 09251  
Standards: -

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

2. Manufacturer / supplier

Company Name: SAINT-GOBAIN GYPROC MIDDLE EAST FZE  
Address: PO BOX 261107, DUBAI, UAE  
Local Agent: ISAM KABBANI & PARTNERS DAMMAM KSA

3. Delivery:

Country of origin: UAE  
Availability:  
- Locally Manufactured  
- Overseas

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.

QA/QC DY.PROG MNGR. PM Date

4. Engineer's Representative comments:

- Approved
- Approved as noted
- Revise and resubmit
- Rejected
- Sample required
- Tests required
- Additional information required

Signature Carlos Zeid Date 27/10/2015

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.
ENGINEER’S COMMENTS
SUBMITTAL FOR APPROVAL OF MATERIAL

SHR1-MAT-NAP-ARC-AR-00054

Date: 27/10/2015
Title: Rated, Non Rated Gypsum Board Assemblies

Reviewed by: Carlos Zeid
Date: 10/10/2015
Code: B
Approved As Noted

Below Comments and requirements are applicable to SHR1-MAT-NAP-ARC-AR-00054-R02 and 00061-R00, and Shop Drawings under (WF-003490)

1- Note # 12 (Drywall interface with External Cladding or Precast Panels): these interfaces are deemed coordinated with all Facades. In the absence of duly approved facades shop drawings details and materials (Aluminum Curtain Walls, Concrete Precast, Metal Cladding…), we consider drywalls detail at these location under Contractor full responsibility for possible adaptation and corrections. In all cases, necessary composite coordinated details to be submitted, timely, for approval.

2- Note # 14 (Full Height Leave-Out Panel for Installation of FHC as per typical Detail in Misc. Details Shop Drawings Package): this detail is not typical and not yet approved. We request a fully coordinated details, including the approved FHC types and all pipes, and demonstrated solidity of the whole assembly (static and dynamic).

3- Note # 15 (Elevator’s Doors Height & Width): In the absence of duly approved coordinated Elevator Doors & Landings Facades details and materials (wall joints and anchoring, doors, lights, indicators, call buttons, signage…), we consider walls detail at these location under Contractor full responsibility for possible adaptation and corrections. Necessary composite coordinated details to be submitted, timely, for approval. NB: on these shop drawings, Contractor is indicating both CMU and Drywalls, depending of elevator place. We request justification and possible unified material/details. (Elevator walls to be 2 hours fire rated).

4- Note # 16 (Control Joints on Drywalls): refer to our comments on related drawings. Control Joints for Drywalls are subject to manufacturer recommendations (type and positions), and must be avoided at the following locations: Radiations Risk Rooms, Operation Rooms, Fire Zones, Sound Rated Partitions, Location with Aesthetic requirements. As marked on these shop drawings, we do not consider the marked drywall control joints as complying with requirements (several considered necessary joints are not marked), and request additional simplified shop drawing plan submittal for approval, indicating only the long straight alignment of drywalls with their control joints location. Absence of control joints at certain locations, and implying possible cracks or damage, shall remain under Contractor full responsibility.

5- Note # 17 (Abuse Resistant Boards Locations): Noted. Furring boards are subject to same logic/location.

6- Note # 18 (For all doors in Drywalls, Contractor to conserve tolerance in addition to indicated structural opening by 15 mm in width and 8 mm in height): in the absence of a comprehensive coordinated approved detail, included approved Steel Frames, these principle and dimensions are rejected. We urge Contractor to expedite his Doors all Frames approval in order to define necessary openings in drywalls.

- This is also related to the sequence of Frames installation, ideally erected jointly with Drywalls. Any other sequence to ensure aesthetic, sound and fire performances for both Doors Frames and Drywalls (Sound & Fire under UL or other approved 3rd Party).
- This is also related to internal Windows, Access Panels, etc. NB: Gyproc mentioned access panels are not considered pertinent and could be subject to dedicated submittal.

7- Note # 19 (Blocking Locations Details): External Elements Fixed on Drywalls and related necessary reinforcement embedded in Drywalls: these details, their locations, types and solidity are outstanding to date, and not indicated on current shop drawings. Contractor reference, under this Note, to RLOS and “Typical Blocking Details Shop Drawings”, yet to be submitted, are not considered for execution. In all cases, all drywall 2nd Skin installation shall not be allowed without fully valid details. NB: elements inside drywalls, and also requiring additional reinforcement, must be detailed under full coordination with MEP and Medical Trades.

8- Note # 20 - Penetrations: we request application of related Method Statement for all cases (drywall erection
after or before pipes/ducts), fully coordinated with MEP and Fire Zones. Contractor to define and confirm as approved shop drawing (or FD) his mentioned Sheet # 5GN00015.

9- Note # 21 - Building Expansion Joint Details: We urge Contractor to submit his Buildings Expansion Joints Systems for approval. Drywalls to be coordinated accordingly. Meanwhile, all drywalls immediately adjacent to Building Expansion Joints are not considered.

10- All types Sealants included in this Submittal must be submitted under dedicated Submittal of Material, under Specification, Sections 07842 Fire-Resistive Joint Systems and 07920 Joint Sealants. Accordingly, any sealant material mentioned in this submittal is not considered and not approved, and the included graphic details of drywalls sections with un-applicable sealant (no room, no groove, look as added graphically only….), see detail & data for W1R and W3T Gyproc Drylining System Specification, for example.

11- Drywalls Fixation on Concrete Slab instead of Screed is under Contractor full responsibility. Contractor to submit his Method Statement for Screed Operations after Drywalls erection, including Plans, Logistic, Zoning, Control Joints, Accessories, Steel Reinforcement, Coordination with Electrical Pipes, Protection of Drywalls, Leveling Method and survey, curing, etc.

12- Mockup and Field Samples: to include Sharp Angles Partitions, Shaft Liner Boards (including sequence of erection), embedded reinforcement for external elements, Corners Beads, Insulations (all types) and its fixations inside drywalls, etc.

13- Control Joints in CMU Walls: we note that Contractor eliminated all these specified Control Joints…. We have advised Contractor that many Control Joints in CMU Walls could be eliminated having additional reinforcements, BASED ON APPROVED EUROPEAN OR US STANDARD. In the absence of this Standard, yet to be submitted with his method statement, we request the establishment of all the CMU Walls Control Joints (see our marked comments on shop drawings REV00), at distance required by Specification (same for Stiffener Posts and Beams). A dedicated CMU Shop Drawing for this building to be submitted, timely, for approval.

14- Drywalls on Shafts: subject to defined sequence of works under MEP coordination. NB: Large Shafts are 2 Hours Fire Rated.

15- Insulation Fixations inside drywalls: necessary accessories to be submitted for approval, and must be part of Mockups.

16- Drywall Steel Framing: we refer to the following submitted documents:

· Technical Data Sheet for Gypframe “UltraSteel” Metal Profiles, confirming Coating Grade Z140 g/m², which is not in compliance with Specification.

· Compliance sheet for steel framing, confirming Z275 g/m².

Contractor to justify and to confirm his material in compliance with Contract, noting that Specification call for Z180 for Dry Areas, and Z275 for wet Areas.

17- All drywalls graphic details included in this submittal are superseded by the approved shop drawings details, in each relevant submittals.

18- Insulation: We note the Contractor intention to use Kimmco Fiber Glass Insulation, and the submitted comparative data in Compliance Sheet Page 5 of 9, and in particular the following:

18-1- Mineral-Wool Batt Insulation equivalent to Kimmco Fibergalss Blanket / Batt Insulation of 48 kg / m³ Density, 50 mm Thick , R-Value 1.612 K.M²/W.

18-2- Mineral-Wool Batt Insulation equivalent to Kimmco Fibergalss Blanket / Batt Insulation of 48 kg / m³ Density, 76 mm Thick , R-Value 2.451 K.M²/W.

18-3- Mineral-Wool Batt Insulation equivalent to Kimmco Fibergalss Blanket / Batt Insulation of 48 kg / m³ Density, 50 mm Thick , R-Value 2.870 K.M²/W.

Contractor to verify contradiction and confirm the above 3 Items values, JOINTLY with:

· Mentioned Insulation in his shop drawings details.

· Mentioned Insulation in his submitted Tests.

Contractor to submit EXCLUSIVELY required data for this Item 18 under specific new reference submittal of material (referring to this one to keep traceability), and having clear ordered compliance sheet, details, test reports and other written argumentation.

19- Calculation and structural performances: we refer submitted Letter from Gyproc to Nesma, dated 28/05/2015, and confirming Maximum Heights of 6100, 5800 and 4000 mm for determined wall thickness and composition. This remain under Contractor responsibility for due deflection criteria to comply with. We remind Contractor the additional load for external elements to be fixed on Drywalls, and the possible necessity for additional reinforcement and calculation, to be submitted, timely. NB: Heights above 6100 mm are yet to be submitted with necessary calculation, for approval. All cases remain under related Dar Letter SHR1-DAR-NAP-LTR-00186 dated 20/05/2015.

20- Drywalls for Operation Rooms, MRI and Scanner Rooms, and other Medical Spaces with Specific Drywalls Performances, are subject to very specific Shop Drawings Details and Materials. Accordingly all these
partitions (and their dimensions, doors, windows, arrangement) are not considered under this submittal, and must be timely submitted for approval.

21- Cement Boards:
- Contractor to refer to related Dar Letter SHR1-DAR-NAP-LTR-00186 dated 20/05/2015 (hybrid Plaster + Cement boards).
- Cement 6 mm Boards are accepted as submitted by Contractor, as Tile Back Boards, with no impact on each partition performances.
- Details and location of above to be confirmed.
- Detail for W4D (Shaft): Contractor to explain the 19 mm Coreboard and the usage of 6 mm Cement Board (Where are the Tiles?).
- Usage of 12 mm Cement Boards to be confirmed, including tests reports.
- Wet areas mixing boards to be justified, with defined locations.

**Contractor to submit EXCLUSIVELY required data for this Item 21 under specific new reference submittal of material (referring to this one to keep traceability), and having clear ordered compliance sheet, details, test reports and other written argumentation.**

22- Submitted Warranty, dated 04/06/2015 for material is noted. Executed accepted and handed over Works to remain under Main Contractor Contract's Warranty.

In conclusion: Contractor to comply with above remarks, and complete his submittal under specific data for hot Items, in particular Items 4, 6, 7, 8, 9, 10, 11, 13, 16, 18, 19, 20, 21.
## Submittal for Approval of Materials

### Location:
- Riyadh Maternity Hospital
- Jeddah (Neuroscience Hospital)
- Jeddah (Children Hospital)
- Taif Specialized Hospitals
- Qassim Specialized Hospitals

### 1. Material description (one item only on this form):
Rated Gypsum Board Assemblies, Cement Board Assemblies, Non Rated Gypsum Board Assemblies

<table>
<thead>
<tr>
<th>Area of application</th>
<th>As per Drawings</th>
</tr>
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<tbody>
<tr>
<td>Drawing ref.</td>
<td>-</td>
</tr>
<tr>
<td>B.O.Q. Ref. No.</td>
<td>-</td>
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<tr>
<td>Specification Ref.</td>
<td>09260, 09259, 09251</td>
</tr>
<tr>
<td>Standards</td>
<td>-</td>
</tr>
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</table>

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

### 2. Manufacturer / supplier
- Company Name: SAINT-GOBAIN GYPROC MIDDLE EAST FZE
- Address: PO BOX 261107, DUBAI, UAE
- Local Agent: ISAM KABBANI & PARTNERS DAMMAM KSA

### 3. Delivery :
- Country of origin: UAE
  - Locally Manufactured
  - Overseas

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.

QA/QC: [Signature] _DY.PROG MNGR_ PM Date

4. Engineer’s Representative comments:

- [ ] Approved
- [ ] Approved as noted
- [ ] Revise and resubmit
- [ ] Rejected
- [ ] Sample required
- [ ] Tests required
- [ ] Additional information required
- [ ] Manufacturer’s guarantee required

Signature [Signature] Date 26/11/2015

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

Location:
- Riyadh Maternity Hospital
- Jeddah (Neuroscience Hospital)
- Jeddah (Children Hospital)
- Taif Specialized Hospitals
- Qassim Specialized Hospitals
- Medical Buildings
- Non Medical Buildings
- ARCH
- STR
- ELE
- MEC
- OTHERS
- LEED Compliance

1. Material description (one item only on this form):
Rated Gypsum Board Assemblies, Cement Board Assemblies, Non Rated Gypsum Board Assemblies

Area of application: As per Drawings
Drawing ref.:
B.O.Q. Ref. No.:
Specification Ref.:
09260, 09259, 09251 Standards:

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

2. Manufacturer / supplier
Company Name: SAINT-GOBAIN GYPROC MIDDLE EAST FZE
Address: PO BOX 261107, DUBAI, UAE
Local Agent: ISAM KABBANI & PARTNERS DAMMAM KSA

3. Delivery:
Country of origin: UAE
Availability:
- Locally Manufactured
- Overseas

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.

QA/QC:
PM:
Date:

4. Engineer’s Representative comments:
Refer to our comments on SHR1-MAT-NAP-ARC-AR-00054_02
DAR QA QC Er Sign

Signature Abed Al Rahman Hindawi Date: 27/10/2015

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.
1- This Sealant is approved as noted, for general usage on Drywalls and Suspended Ceiling Locations, exclusively, with final aspect deemed painted jointly with sealant substrate.

2- Storage and Application (as per Manufacturer Recommendations) are under Contractor responsibility for High temperature Exposition and other risks. Site Tests to be performed as per Specification.

3- The following exposed locations are strictly excluded from this sealant: Fire Rated Limits (including at MEP Penetrations), Flooring, Food Storage & Preparation, Medical, External Weather Exposed, and as considered by Engineer.

Carlos Zeid 05/01/2016.

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.
1- Comments & Approval are related, only, to Cement Boards Material. Other mentioned Materials, Composite Systems, Walls and Details, System Specification & General Clauses (by Gyproc), are not considered under this Submittal.

2- Statement for Product Test Reports marked “By Other” on the compliance Sheet is rejected. Fire Test Report is noted for the 12 mm Thick Boards. The 6 mm Boards is not considered for any FR or Sound Performances, and considered, only, as proposed by Contractor (outer board to certain partitions, without impact on its performances, without additional cost). All partitions remain subject to required performances as composite system. We note that the previously required (see previous submittals) tests reports for the composite partitions are still outstanding, under Contractor responsibility.

3- the Particular Proposal for Usage of 6 mm Cement Boards as Outer Board of the Partitions (and in particular as Back of Tiles substrate) remain under full Contractor responsibility for any further deformation (waving, protruding board edges, protruding areas, fissures, etc). Main Contractor Warranty is applicable to the finished Partitions, with all related elements.

Carlos Zeid 12/01/2016

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.

Carlos Zeid 12/01/2016

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.
1. Material description (one item only on this form):
**DRY WALL SYSTEM** (INTERIOR / EXTERIOR GYPSUM BOARD FOR PARTITION FOR PARTITION WALL)
(3 TECHNICAL SUBMITALS & 1 CD)

**AREA OF APPLICATION: FOR ALL TOWER BUILDING**

B.O.Q. Ref. No : DIV 9

Specification Ref: 092900

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

2. Manufacturer / supplier

**Company Name:** ISAM KABBANI (UNITECH) / Supplier

**Address**
TEL: 00966148423095-FAX: 00966148421090-MADINAH

**Local Agent:** GYPROC / Saint-Gobain / Manufacturer.

3. Delivery:

Country of origin: KSA

- **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 the submitted items in conformity with the above and deliver same timely.

Submitted by: Eng. Altaf Khan Signature

4. Engineer's Representative comments:

- Approved as noted,
- Refer to comments on the attached sheets


Signature Date: 06/12/2016

Approved

Approved as noted

Revise and resubmit

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.
Madinah Hajj City – PK02
Submittal reference: PK02-AAR-MDS-00485
Material reference: 514006-PK02-FTCO-MAT-AAR-005B - Rev 06
Material description: Dry Wall system, manufactured by GYPROC, Saint-Gobain.
Supplier: ISAM KABBANI (UNITECH).

**Code (B) Approved As Noted**

- Submittal was reviewed for partition wall assemblies only, according to specs section 092900 & 092216.
- The submittal is including the following types:
  - *Gyproc Regular Boards* (For regular type, specs item 2.2B).
  - *Gyproc FireStop Boards* (For type X, specs item 2.2.C).
  - *Gyproc DuraLine Boards* (For Abuse-Resistant type, specs item 2.2.H).
  - *Gyproc M2TECH Boards* (For Moisture/Mold Resistant type, specs item 2.2.I).
- The submittal is including the following accessories:
  - Gyproc Drywall and Wafer Head Screws.
  - Gyproc Fibre Tape and Gyproc Paper Tape.
  - Gyproc Plasterboard Adhesive.
  - Gyproc Metal Profiles.
  - ES Elastomeric Sealant
- Area of application: Interior gypsum board for Partitions.
  - wall partition types are (P03A, P03B, P03C - P04A, P04B, P04C, P04D, P04E and P07)

**Please find the following comments:**

**Arch Material comments:**

1. The submitted documents are accepted:
   - Fire resistance performance test report No. “DFL0399-00” from Exova “Warringtonfire”,
     submitted in Rev 0, as per the followings:

<table>
<thead>
<tr>
<th>Description on both sides</th>
<th>Board</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 layers of 15 mm thick</td>
<td>Regular</td>
<td>30 min.</td>
</tr>
<tr>
<td>2 layers of 12.5 mm thick</td>
<td>Regular</td>
<td>60 min.</td>
</tr>
<tr>
<td>2 layers of 15 mm thick</td>
<td>Regular</td>
<td>90 min.</td>
</tr>
<tr>
<td>1 layers of 15 mm thick</td>
<td>Fire stop</td>
<td>60 min.</td>
</tr>
<tr>
<td>2 layers of 12.5 mm thick</td>
<td>Fire stop</td>
<td>120 min.</td>
</tr>
<tr>
<td>3 layers of 15 mm thick</td>
<td>Fire stop</td>
<td>180 min.</td>
</tr>
</tbody>
</table>

   - Surface Burning characteristics ASTM E84 from “Exova”, submitted in Rev 0.
   - Mill certificate is for CS type B – Z275 (g/m2), submitted in Rev 2.
   - Stud/Channel 0.9mm thickness, submitted in Rev 2.
   - Test report from Exova, comply with ASTM C1396, submitted in Rev 1, 2.
   - Submitted acoustic test report No. BT16238A, BT16240A and BT15279A, submitted in Rev 2,
     as per the followings:

<table>
<thead>
<tr>
<th>Description</th>
<th>Insulation</th>
<th>STC</th>
<th>Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double layer of 15mm FireLine</td>
<td>25mm thick</td>
<td>52</td>
<td>BT16238A</td>
</tr>
<tr>
<td>single layer of 15mm FireLine</td>
<td>25mm thick</td>
<td>44</td>
<td>BT16238A</td>
</tr>
<tr>
<td>Double layer of 15mm FireLine</td>
<td>100mm thick</td>
<td>53</td>
<td>BT16240A</td>
</tr>
<tr>
<td>single layer of 15mm FireLine</td>
<td>100mm thick</td>
<td>46</td>
<td>BT16240A</td>
</tr>
<tr>
<td>single layer of 15mm FireLine</td>
<td>50mm thick</td>
<td>60</td>
<td>BT15279A</td>
</tr>
</tbody>
</table>

2. Manufacturer reply regarding previous comment is noted, however Complete shop drawings for all
   partitions to be submitted, coordinated with related area of application and considering above test
   reports, before proceeding, for review and approval.
3. For final approval, refer to site mockup approval as per latest design including all accessories.

4. Manufacturer & Applicator’s Warranty for assembly, to be submitted from substantial completion date, addressed to “Madinah HAJJ” Project, as per specs item 1.8, include but not limited to Structural failures including but not limited to excessive deflection, Failure in fixings, Failure of system to meet performance requirements.

Structural comments

5. The contractor reply is noted, however, there is no objection to adopt the proposed type in that limited case (not generalized) with that significant safety margin and respective minimal loads in line with the submitted warranty.

End of Comments