

# Final Report of Al Esayi Project



BY FMC/MB

12/31/2017

# TABLE OF CONTENTS

<b><u>Description</u></b>	<b><u>Page No.</u></b>
Project Description.....	02-04
Aims and Objectives of the Project.....	04
FMC Scope.....	05-39
Project Photos.....	40-123

▪ **Project Description:**

1. Area of project land : 71,000 m<sup>2</sup> , in Second industrial city, Jeddah, KSA

2. Built Area: 58,487 m<sup>2</sup>

3. Project Consist of three main parts:

**a. Administration Building, consisting of:**

a.1. Main Administration Building

a.2. Guard rooms

**b. Main Factory Hanger, consisting of:**

b.1. Sugar dissolving area

b.2. Cold store area

b.3. Water treatment area

b.4. Silo area

b.5. Main tank area

b.6. Syrup mixing area

b.7. Laboratory office

b.8. Monitoring weight office & bridge

b.9. Syrup filling area

b.10. Visitor passage

b.11. MCC rooms

b.12. Production area

b.13. Production supervisor office

b.14. Raw materials & finish product area

b.15. Electrical Utility distribution room

b.16. Chiller area

b.17. Worker facility area

b.18. Cartoon storage area

b.19. Air Compressor room

b.20. Syrup mixing area

b.21. Electrical & mechanical workshop area

b.22. Electrical Control Distribution Room

b.23. Driver rest, dispatch supervisor & toilet room

b.24. Transformer room

b.25. Sceco room

b.26. Switch gear room

**c. Utility Factory Hanger, consisting of:**

b.1. Boiler area

b.2. Co2 area

b.3. Collecting tank & diesel area

b.4. Generator room



**Master Plan**

4. Duration of project: 18 Months

5. Parties shared in factory execution, design, supervision, materials & machine supply:

- Owner: ABC ( Ali Al Esayi Beverage Co.)
- Main Contractor: FMC (Mohammad Farhat contracting Co.)
- Consultant: TYA ( Talal Yahya Ashgan)
- Machine supplier : KSH ( Germany)
- Machine supplier: Wild Indag (Germany)
- Steel Hanger & sandwich panels supplier: Buttler (Saudi Building Systems Factory)
- Epoxy Contractor: NBTC
- Staircase: Masco (Mohammed Ali Elesayi & co. for stainless steel co. ltd)
- Water treatment supplier & contractor: (France)
- Fast Roll up doors supplier: Hormann (Germany)

6. Project structurally consists of:

- **Administration Building:** Reinforced concrete frame with solid & Hordi slabs, Aluminum cladding and glass facades.
- **Main Factory Hanger:** Internal rooms reinforced concrete frame with solid slabs & cross beams system, some area has mezzanine floor like workshop area, all factory is covered by rigid frame steel hanger and sandwich panels, main factory area have two huge underground main tanks = 28,000 m<sup>3</sup> & additional water tank = 10,000 m<sup>3</sup>
- **Utility Factory Hanger:** Internal rooms reinforced concrete frame with solid slabs & hollow core slab, all factory is covered by rigid frame steel hanger and sandwich panels, utility area have some underground tanks for diesel tank and collecting wastage water
- **Fence & Gates:** All factory building surrounded and protected by steel fence & four motorized gates & card reader barriers.

▪ **Aims and Objectives of the Project:**

- Factory produces energy, juice & soft drink beverage.
- Project Designed to can afford 5 production lines, 1 line already installed and under experimental stage.

▪ FMC Scope:

- FMC ( Mohammad Farhat contracting co.) is main contractor of all civil, MEP works in whole project (turnkey contract).
- FMC Head team:
  - Civil Project Manager: Eng. Abdulrahman Farhat  
#055 558 7563, e-mail: [Afahat@fmcksa.com](mailto:Afahat@fmcksa.com)
  - Mechanical Project Manager: Eng. Kassem Farhat  
#055 502 7680, e-mail: [Kfarhat@fmcksa.com](mailto:Kfarhat@fmcksa.com)
  - Electrical Project Manager: Eng. Sami Nowia  
#050 758 1470, e-mail: [snowia@fmcksa.com](mailto:snowia@fmcksa.com)
  - Site Manager: Eng. Mustafa Baghdadi  
#055 810 0158, e-mail: [mbagdadi@fmcksa.com](mailto:mbagdadi@fmcksa.com)

In Addition to Site team (engineers, technician, labors...etc.) which reach in peak of project Stage to 445 FMC persons.

- Scope of FMC in project is:
  - Mobilization and preparing site for construction including provide offices for FMC, ABC & Consultant including all facility related (electricity, plumping ...etc)
  - executing all civil works ( structural & finish works), all mechanical, all plumping & all electrical as per approved shop drawings as shown in tables "A", "B" & "C" below
  - Provide all equipment, machines, scaffolding, tools...etc required to execute works as shown in table "D" below
  - Provide Generators with enough capacity to operate different activities of site for all teams
  - Housekeeping in site during all project time

- Submit shop drawings for approval
  - Submit RFI for approval
  - Submit material submittal and samples for approval
  - Submit proposals for approval
  - Submit routinely payment
  - Submit Quotation of new items
  - Submit time schedule & update it during project period
  - Submit daily photos report including all manpower, material, equipment & all daily activities
  - Submit test reports
  - Logistic support (support other contractor to finalize their of works in project like VEOLIA, NBTC, KSH, WILD INDAG...etc. by installation equipment, provide them with all required tools, scaffolding, cranes, forklift, ..etc)
  - Initial Handover, commissioning & testing
  - Final Handover
- FMC took into consideration during construction the following important issues:
1. Finish project on time as per approved shop drawings.
  2. Executing Project with the required quality as per specification of project.
  3. Applying Safety on site is one of FMC priority consideration during construction
- Construction in project already completed, FMC already handed over project initially to ABC, and FMC work on snag lists of ABC Engineer representative as final handover.

**Note:** Samples of submitted documents are following attached

<b>FMC Civil Works</b>
Excavation & Backfilling
Shoring & dewatering
Termite Control
Polyethylene sheet
Reinforced Concrete
Bituminous , waterproofing & protection boards
Cement insulation
Installation steel hanger & sandwich panels
Masonry Block
Plaster
All types of Paint
Thermal Roof Insulation
Hollow Metal Door
Roll up door
Aluminum Windows & Doors
Wooden Doors
Glass Doors
Stainless Steel Doors
Motorized fence gate
Steel staircase
Steel fence
Card reader barrier
Stainless steel handrails
Glass partition
Marble, ceramic, granite & Porcelain tiles
Gypsum Boards
Aluminum Cladding & Glass Curtain Walls
Elevators
Manhole Covers
Countertop
Mirror
Curbstone & Interlock tiles & wheel stopper
Sub-base backfilling & Asphalt
Road Marking
Landscaping
Shade Parking
Backer rod, Sealant, water stop, tile adhesive, floor hardener
Toilet Accessories

**Table "A"**



<b>FMC Electrical Works</b>
Power socket
Lighting switch
Floor Boxes with termination
TV/AV outlet
Date outlet
Electrical outlet
Lighting fixtures
Light detector
cove light
Emergency lights
Electrical distribution Boards
Earthing system
Sceco Connection
Wires & power cables for whole project
All types of conduit
Electrical Cabinet & box

**Table “B”**

<b>FMC Mechanical Works</b>
Smoke detector/Fire Alarm
Firefighting system
AC Grill supply/Return
Fire hose cabinet
Sanitary system
Drainage system
Water Supply System
Air Conditioning system
Steam Pipe system
Exhaust air fans
Sand trap Louver
Duct Works
Cover of trenches

**Table “C”**

Type of Equipment	Numbers
Mobile Crane 25 Tons.	2
Mobile Crane 50 Tons.	2
Mobile Crane 100 Tons.	1
Generator	7
Vibrators	8
Total Station	1
Level surveying	2
Poclain	1
Shawel	2
Bobcat	3
JCB	2
Tower lights	8
Plate Compactor	2
Roller Compactor 8.5 Ton	2
Roller Compactor 25 Ton	2
Concrete helicopter	3
Air compressor jack hammer	2
Dyna	2
Grinding machine	2
Hilty drill	5
Hilty Breaker	5
Welding machines	2
Telescopic Telehandler	1

**Table "D"**



DAILY REPORT

PROJECT: ALESSAYI BEVERAGES FACTORY

PROJECT START: 13/Apr/2015

DATE: 29/Dec/2016

DAY: Thursday

432

NO.	JOB.	TECHNICAL STAFF										MANPOWER										TOTAL					
		Engineer					Foremen					Laborers					Drivers										
1	Project Manager																										
2	Site Manager																										
3	Block Engineer																										
4	Block Engineer																										
5	Block Engineer																										
6	Block Engineer																										
7	Block Engineer																										
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31	Block Engineer																										
32	Block Engineer																										
33	Block Engineer																										

WORKS ACTIVITIES TODAY

NO.	ACTIVITY	ACTIVATED	EXPECTED TOMORROW
1	Installation block walls of guard room at axis P1		
2	Applying bitumen coat roofing for block wall at north elevation		
3	Installation brackets & sections of aluminum cladding & curtain walls at south side of admin building		
4	Installation aluminum cladding at north side of admin building		
5	Applying finish plastering for closed opening in admin building		
6	Installation gypsum board ceiling in ground, first & second floors of admin building		
7	Installation electrical works in ground, first & second floors of admin building		
8	Installation & installation conditioning ducts in ground floor of admin building		
9	Car & load steel reinforcement of existing floor foundation at west side		
10	Backfilling & watering soil of ramp of major area		
11	Pouring concrete grade beams of ramp of main tank area		
12	Pouring concrete of cold store floor slab - part 7 - 30 m <sup>2</sup>		
13	Installation cement walls with supporting system in QA/QC laboratory		
14	Installation electrical works in production area, spray area, control rooms & guard rooms		
15	Installation fire fighting stream, compressor pipes, in spray filling main tank, production above MCC rooms		
16	Surface preparation & Applying primer of epoxy of spray filling area by NITC		
17	Installation supporting beams & panels of roof suspended ceiling & walls in production area (20-21), (E-K)		
18	Installation sandwich panels suspended ceiling, 8 walls in production area (20-21), (E-K)		
19	Installation wall sandwich panels along axis 20		
20	Installation firefighting sprinkler & condition of roof suspended ceiling in production area (20-21), (E-K)		
21	Applying epoxy in production area by NITC at axis (Q-T), (20-21)		
22	Surface preparation of slab on grade in finish product area at axis (E-K), (21-25) by FMC		
23	Applying ferrocement for slab on grade in finish product area at axis (E-G), (40-50) by FMC		
24	Installation clay drain pipes between additional tank & main factory		
25	Installation porcelain tiles for floor in worker facility area & ground floor of admin building		
26	Pulling electrical cable along axis 10 & 15, 6 & 1		
27	Pouring concrete of manholes walls of drain line at axis 23		
28	Pouring concrete of foundation of waste water pump at axis 53 (O-P), 5 m <sup>2</sup>		
29	Applying finish cement water proofing inside additional water tank		
30	Installation framework of machine wall of drain line along axis 7		
31	Watering soil of drain tank at axis 57 (E-Q)		
32	Installation water proofing membrane for ground FIB pump		
33	Site house keeping		

NOTES & OBSTACLES AFFECTING ON ACTIVITIES

Equipments	Resource materials for the site	Unit	Qty	Weather
Generator	1- Water for site works	lit	20	DUSTY
Filtrators	2- Blue ager slitting	Piece	20	
Total Station	3- Gray tape	Roll	2	RAINY
Level surveying	4- Truck 5"	Piece	6	
Scanner LH				SUNNY
Shovel				
Barbed				
Roll				
Prochls				
Man Hill				
Meters of 55mm				
Meters of 40mm				
Meters of 20mm				
Trimmer Highis				
Generator 45 kw				
Tractor				
Concrete Pump 40				
Concrete Mixer				
Concrete vibrator				
Jack hammer				
Plate Compactor				
Boya				
Painting machine				
Spade and sh				
Compactor 22 kw				
Compactor 22 kw				
Working machine				
Telegraph field				

Site: [Blank]      SITE ENGINEER: [Blank]      SITE MANAGER: [Blank]      PROJECT MANAGER: [Blank]

Sample of Daily Photo Report "Page 1 of 3"

**AL-ESAYI BEVERAGES FACTORY**  
**Daily Activity Report (29/12/2016)**



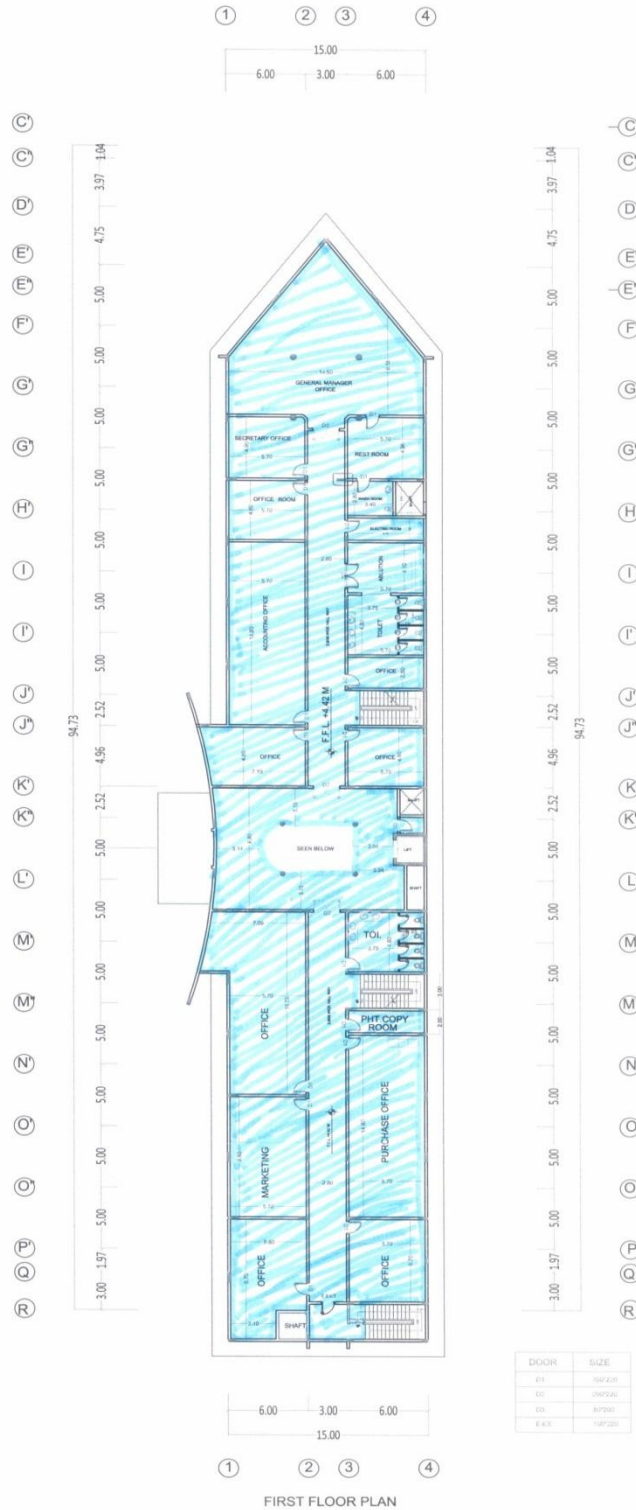
**Sample of Daily Photo Report "Page 2 of 3"**

**AL-ESAYI BEVERAGES FACTORY**  
**Daily Activity Report (29/12/2016)**



**Sample of Daily Photo Report "Page 3 of 3"**





Sample of Civil Works RFI "Page 2 of 2"



**MATERIAL / DOCUMENT SUBMITTAL**

Date : Monday, 28 November, 2016 No.: FMC/TYA/CIVIL/048  
 Project : ALESAYI BEVERAGES FACTORY  
 Subject : Thermal Insulation 5cm (Extruded Polystyrene)  
by Ibtikar Al-Arabia for Insulation System

Submittal Reference : -  
 Drawing No. : - Specification Page : as per attachments  
 B. O. Q. Page : - Item : -  
 Paragraph : - Detail : -

Nature of Submittal  
 Sample  Catalogue  Certificates  
 Manufacturer Data  Instruction / Procedures  
 Others: \_\_\_\_\_

Consultant's Remarks  
AS Marked on the Sample

Action :  
 Approved \_\_\_\_\_  Re-Submit \_\_\_\_\_  
 Approved with Comments \_\_\_\_\_  Disapproved \_\_\_\_\_

Contractor's Representative	Client's Representative	Consultant's Representative
Name : <u>Eng. Mustafa Baghdadi</u>	Name : <u>Eng. Saber Alsayed</u>	Name : <u>Eng. Muhammad Daud As</u>
Signature:	Signature:	Signature:

*Approved Based on Client Approval*

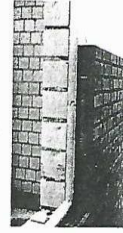
*Received 21/03/2017*

**Sample of Civil Works Materials Submittal "Page 1 of 2"**



مصنع ابتكار العربية للاظمة العزل الحراري - ابتكار

# IBTIKAR FOAM Sample



Extruded Polystyrene Thermal Insulation Boards

Thickness      Standard Board Size      Density

3 cm

4 cm

5 cm

UP10cm

-- cm

60cm x 125 cm       32-35 Kg / m<sup>3</sup>

Insert block  
with/without groove



NE

SL



TG



Approved  
C.17

Contact Sales: 00966505536773

Tel: 920022558, E-mail: [SALES@IBtikarf.com](mailto:SALES@IBtikarf.com)

Sales Manager [ayman@ibtikarf.com](mailto:ayman@ibtikarf.com)

Rabigh Industrial Area, Phase 3, Rabigh, KSA

Made in Saudi Arabia

**Sample of Civil Works Materials Submittal "Page 2 of 2"**





**TYA & Associates  
CONSULTANT**



**CONTRACTOR**

**AL ESAYI BEVERAGES CORP.**

**CLIENT**

Project No: J35-244-137

Location: AL-KHUMRAH

Project Name: AL ESAYI BEVERAGES CORP.

**DRAWING SUBMITTAL**

<input type="checkbox"/> New Submittal	Submittal No : AL ESAYI-DR-034
<input checked="" type="checkbox"/> Resubmitted	Submittal Date : 28/02/2016

PURPOSE OF SUBMITTAL     For Information     For Comments     For Approval

DISCIPLINE  
 CIVIL     ARCHITECTURE     STRUCTURAL     HVAC     PLUMBING     ELECTRICAL   

TYPE OF DRAWING  
 SHOP DRAWING     AS BUILT DRAWING     VENDOR DRAWING   

Sr. No.	Drawing Title	Drawing Number	Rev No.	Approval Status
01	Administration Building Staircase Plan and Details	SD-ST-AB-ST-01	01	

**Contractor's Remarks**    We clarify that above submittal is strictly adhered with contract specifications except otherwise as stated below:

Exceptions	CONTRACTOR PROJECT MANAGER Name: Eng. Abdul Rehman Farhat Signature:     Date: 28-02-2016
------------	---

**Consultant's Comments**    Approval of the above materials does not relieve the contractor from his contractual obligations.

CONSULTANT REPRESENTATIVE:	
Name:	Signature:
Position:	Date:

**Owner's Comments**    Approval of the above materials does not relieve the contractor from his contractual obligations.

OWNER'S REPRESENTATIVE:	
Name:	Signature:
Position:	Date:

Approval Status:  
 Approved     Approved As Noted     Re-submittal     Disapproved

<b>Contractor's Representative:</b> Name: Eng. Mustafa Baghdadi Signature:	<b>Consultant's Representative:</b> Name: Eng. Saber Alsayed Signature:
--	---





INITIAL HANDOVER

DATE : 06-04-2017 REF. : HO-ALESAYI-CIVIL-13  
 PROJECT : ALESAYI BEVERAGE FACTORY  
 TYPE OF WORK : CIVIL WORKS  
 ATTACHED DOC. REF. : HO-MB-SMA-CIVIL-02-R00  
 BUILDING : MAIN BUILDING

Area	Status	Comments
Syrup Mixing Area # 2		<i>Snag list attached.</i>

ACTION :  Approved \_\_\_\_\_  Disapproved : \_\_\_\_\_  
 Approved with Comments \_\_\_\_\_

<b>Contractor's Representative</b> Name : Eng. Mustafa Baghdadi Signature:	<b>Consultant's Representative</b> Name : Eng. Muhammad Daud Aslam Signature :	<b>Owner Representative</b> Name : Eng. Saber Al syed Signature :
--	--	---

**Sample of Civil Works Initial Handover "Page 1 of 4"**



**Initial Handover (Civil Works)**

Project: Alessayi Beverage Factory  
Building: Main Building  
Area: Syrup Mixing Area

Date: 29-Mar-2017  
Ref.: HO-MB-SMA-CIVIL-01-R00

S/N	Description	Approved	Approved with Comments	Remarks
1	Syrup Mixing Area # 2			
1.1	Ceramic Tile on Wall		✓	
1.2	Wall Epoxy Paint		✓	
1.3	Ceiling Epoxy Paint		✓	
1.4	Glass Windows		✓	

FMC Representative  
Eng. Mustafa Baghdadadi


TYA Representative  
Eng. Daud Aslam

ABC Representative  
Eng. Saber Al Sayed

Sug list attached.

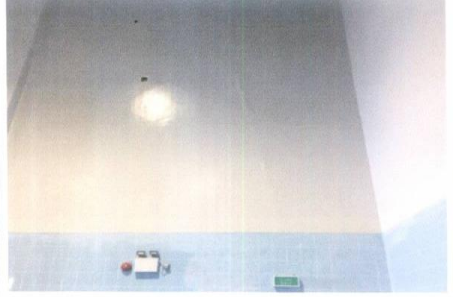

**Sample of Civil Works Initial Handover "Page 2 of 4"**

		
OWNER: ALESAYI BEVERAGE CORPORATION	CONSULTANT: TYA & ASSOCIATES	CONTRACTOR: FMC Construction
PROJECT: Alesayi Beverage Factory @ Jeddah Industrial Area III Jeddah, KSA		Date: April 4, 2017
SUBJECT: Snag List _ CIP Area-2		

	
1. Floor finish is not completed, specially drain areas.	2. Open area need to fix properly.
	
3. All pipes opening are required to fix the flashing.	4. Floor finish is not completed, specially drain areas.
	
5. General Cleaning required.	6. General Cleaning of the tiles are required.

**Sample of Civil Works Initial Handover "Page 3 of 4"**

		
OWNER: ALESAYI BEVERAGE CORPORATION	CONSULTANT: TYA & ASSOCIATES	CONTRACTOR: FMC Construction
PROJECT: Alesayi Beverage Factory @ Jeddah Industrial Area III Jeddah, KSA		Date: April 4, 2017
SUBJECT: Snag List _ CIP Area-2		

	
7. Some area plaster work are wavy, need to be fix properly.	8. Some area tiles are wavy and filling are not even on area side, need to be fix properly.
<b>9. General Comments</b>	
<ul style="list-style-type: none"> <li>• Some area of the wall tiles are wavy and filling are not even on area side, need to be fix properly.</li> <li>• General Cleaning.</li> </ul>	

Engr. Mustafa Baghdadi

FMC Contractor



Engr. Muhammad Daud Aslam

TYA & Associates



Engr. Saber Al Sayed

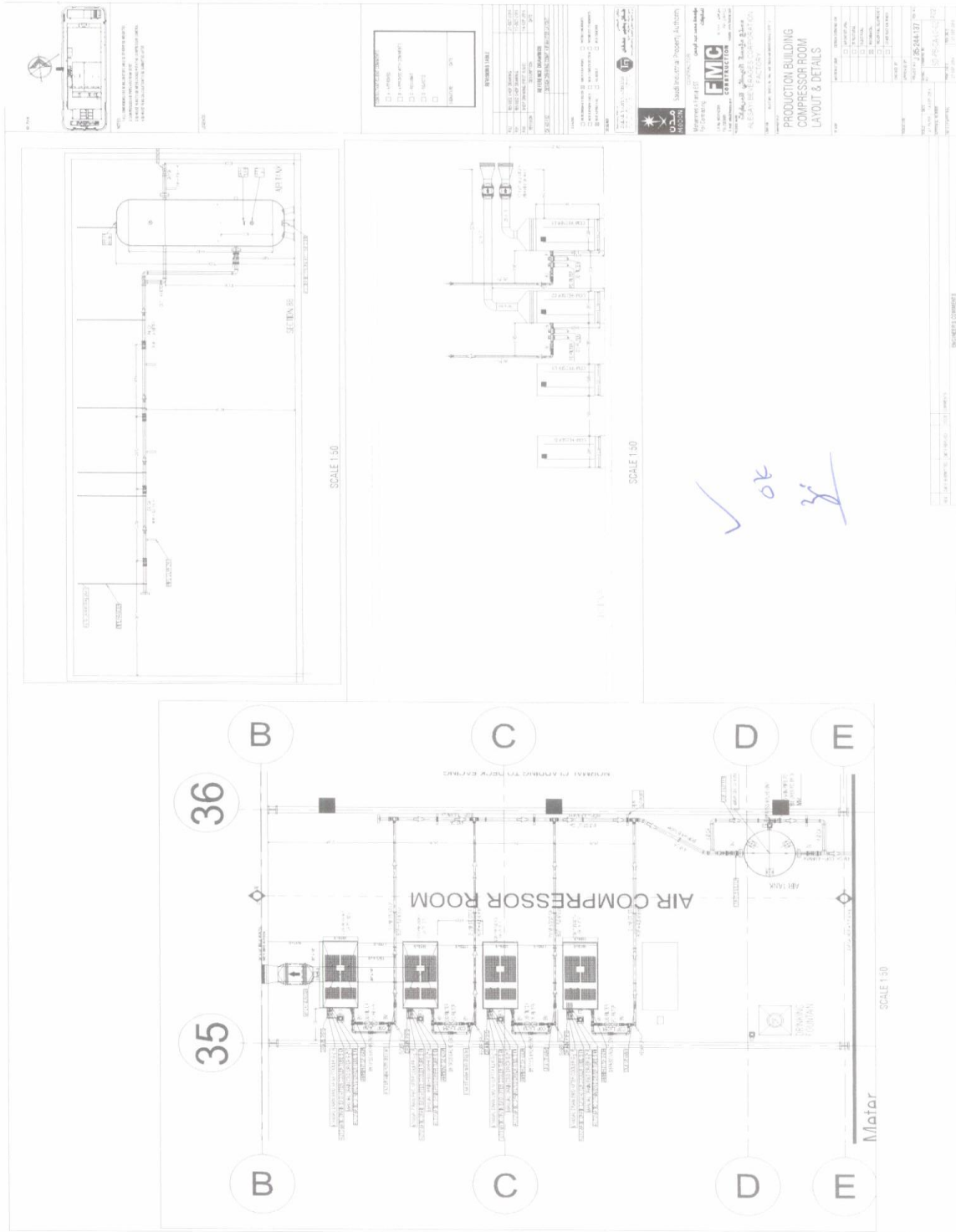
ABC Corporation



Page 2 of 2

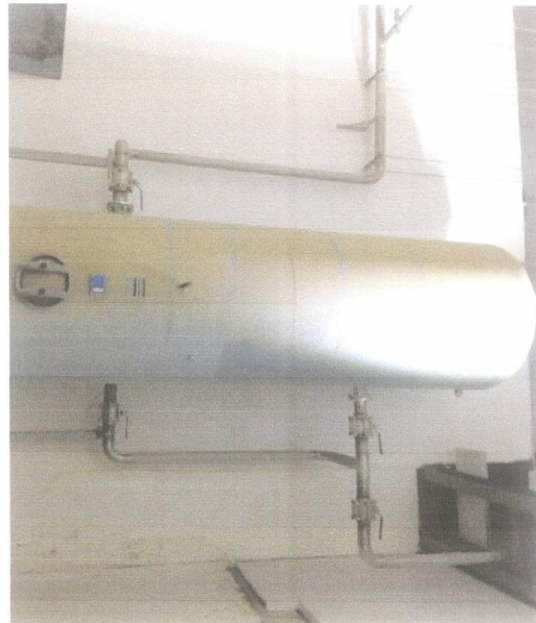
**Sample of Civil Works Initial Handover "Page 4 of 4"**





**Sample of Mechanical Works RFI "Page 2 of 3"**





✓ Instructions as per  
photo  
Approved  
T.M.A. Mechs  
Consultant

**Sample of Mechanical Works RFI "Page 3 of 3"**

Consultant  TYA & Associates	Contractor  FMC ELECTRO-MECHANICAL	Owner  مؤسسة الصناعات للمشروبات ALESAYI BEVERAGE CORPORATION
<b>MATERIAL SUBMITTAL</b>		
Date : 08-Jan-2017		Submittal No : MAT-MEC-134-R00
Project : ALESAYI BEVERAGES FACTORY		
Subject : Butterfly Valve for Chilled Water Pipework (by HATTERSLEY)		
<b>Submittal Reference</b>		
Drawing No. :		Specification Page :
B. O. Q. Page :	additional item	Item No :
Paragraph :		Detail :
<b>Nature of Submittal</b>		
<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Catalogue	<input type="checkbox"/> Certificates
<input type="checkbox"/> Manufacturer Data	<input type="checkbox"/> Instruction / Procedures	
<input type="checkbox"/> Others:		
<b>Consultant's Remarks</b>		
APPROVED AS NOTED-		
<b>Action</b>		
<input type="checkbox"/> Approved	<input type="checkbox"/> Re-submit	
<input checked="" type="checkbox"/> Approved with comments	<input type="checkbox"/> Disapproved	
<b>Contractor's Representative</b> Name: Eng. Mustafa Baghdadi Signature :  	<b>ABC Representative</b> Name: Mr. Saber Sayed Signature :  	<b>Consultant</b> Name : Mr. Mohd. Zahir Iqbal Signature :  

**Sample of Mechanical Works Materials Submittal "Page 1 of 2"**

# BUTTERFLY VALVES PN16

Fig. 950 & 950G  
Semi-lugged Wafer Pattern

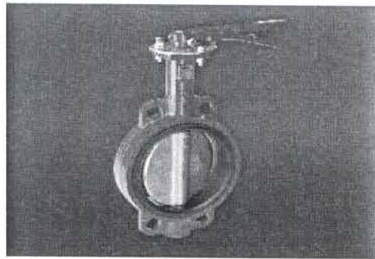


### FEATURES & BENEFITS

- Ductile Iron Body
- Aluminium Bronze Disc
- Liner bonded to steel backing ring
- High strength, low friction bearings for upper and lower shafts, to restrain shaft deflection and ensure effective stem sealing
- Long neck for insulation
- Maintenance free

### MATERIAL SPECIFICATION

Component	Material	Specification	
		BS EN	ASTM
Body	Ductile Iron	1563 EN-JS1030	A536-65-45-12
Shaft	Stainless Steel	10088-1 X12Cr13	A276 410
Disc	Al Bronze	1982 CC333G	B148 C95300
Bushes	PTFE	-	-
O-Ring	Buna N	-	-
Liner	EPDM	-	-



**PRESSURE/  
TEMPERATURE RATING**  
16 bar from -10 to 130°C

### TEST PRESSURES

Hydrostatic  
Shell: 24 bar  
Seat: 17.5 bar

### SPECIFICATION

Generally conforms to BS EN 593:2009.  
Ductile iron body epoxy coated.  
Centring holes.  
Aluminium bronze disc.  
EPDM liner.  
Trigger lever.  
Valves DN250 and larger supplied as standard with fully enclosed gear operator.  
To suit flange connections BS EN 1092-2 PN16.  
Valves may be used for flow regulation.

### DIMENSIONS & WEIGHTS

Fig. 950

Nom Size	mm	50	65	80	100	125	150	200
A	mm	195	207	213	232	245	257	305
B	mm	83	95	102	124	136	150	197
C	mm	44	48	48	54	57	57	63
D	mm	32	32	32	32	32	32	44
E	mm	102	121	130	171	197	219	268
F	mm	260	260	260	260	260	260	356
G	mm	32	46	64	90	111	145	193
Weight	kg	3.5	4	5.4	6.7	9	9.9	16.4

### DIMENSIONAL DRAWINGS

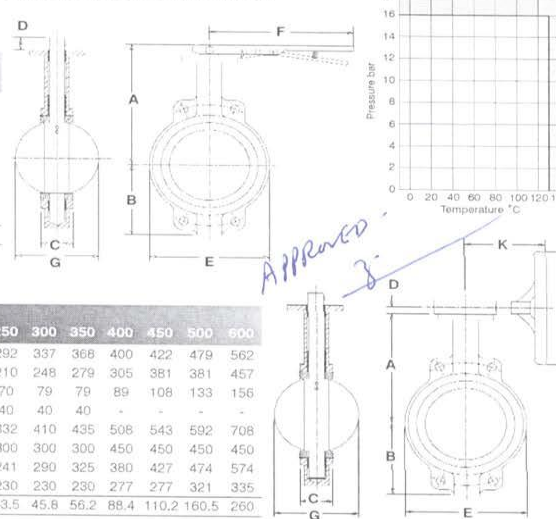


Fig. 950G

Nom Size	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
A	mm	162	175	181	200	213	225	260	292	337	368	400	422	479	562
B	mm	83	95	102	124	136	150	197	210	248	279	305	381	381	457
C	mm	44	48	48	54	57	57	63	70	79	79	89	108	133	156
D	mm	42	42	42	42	42	42	40	40	40	40	-	-	-	-
E	mm	102	121	130	171	197	219	268	332	410	435	508	543	592	708
F	mm	150	150	150	150	300	300	300	300	300	300	450	450	450	450
G	mm	32	46	64	90	111	145	193	241	290	325	380	427	474	574
K	mm	240	240	240	240	240	240	230	230	230	277	277	321	321	335
Weight	kg	15	15.5	16.9	18.2	20.5	21.4	29	33.5	45.8	56.2	88.4	110.2	160.5	260

Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Hattersley Ltd assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.

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Technical Helpline: 0845 604 1790  
E: tech-enquiries@hattersley.com W: www.hattersley.com

**Sample of Mechanical Works Materials Submittal "Page 2 of 2"**



**TYA & Associates  
CONSULTANT**



**CONTRACTOR**

**AL ESAYI BEVERAGES CORP.**

**CLIENT**

Project No: J35-244-137

Location: AL-KHUMRAH

Project Name: AL ESAYI BEVERAGES CORP.

**DRAWING SUBMITTAL**

New Submittal Submittal No : AL ESAYI-DR-MECH-015

Resubmitted Submittal Date : 18\06\2016

**PURPOSE OF SUBMITTAL**  For Information  For Comments  For Approval

**DISCIPLINE**

CIVIL  ARCHITECTURE  STRUCTURAL  HVAC  PLUMBING  MEP  FIRE PROTECT

**TYPE OF DRAWING**

SHOP DRAWING  AS BUILT DRAWING  VENDOR DRAWING

Sr. No.	Drawing Title	Drawing Number	Rev No.	Approval Status
1	Production Building Compressed Air Distribution Layout	SD-PB-CA-L0	00	

**Contractor's Remarks** We clarify that above submittal is strictly adhered with contract specifications except otherwise as stated below.

**Exceptions** CONTRACTOR PROJECT MANAGER  
 Name: Eng. Abdul Rehman Farhat  
 Signature Date: 18-06-2016

**Consultant's Comments** Approval of the above materials does not relieve the contractor from his contractual obligations.  
*- APPROVED AS NOTED -*  
*Co-ORDINATE AS SITE AS PER SITE SITUATIONS*  
*WITH OTHER SERVICES*  
*\* INCORPORATE DRAWING NOTES.*

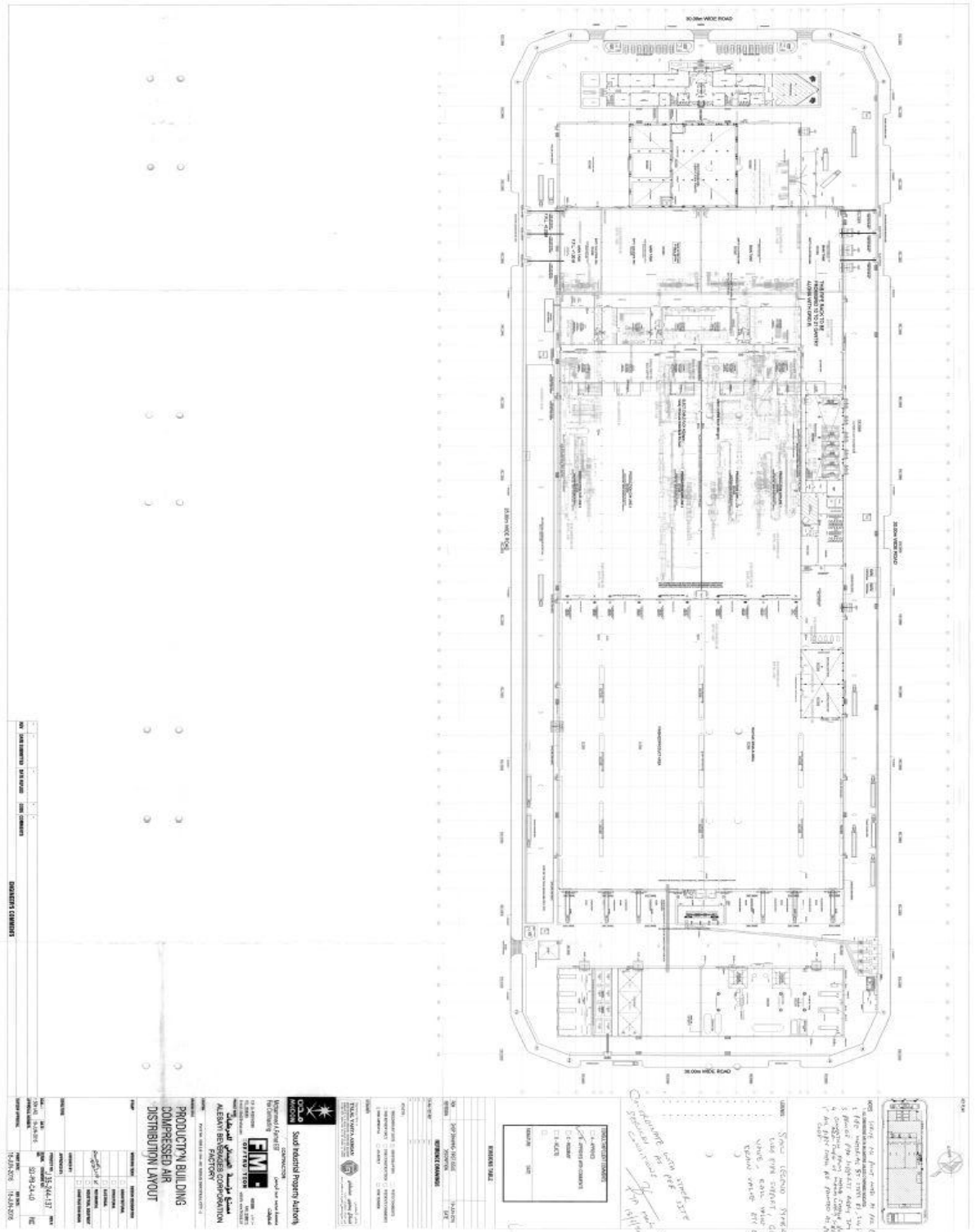
CONSULTANT REPRESENTATIVE:  
 Name: Signature:  
 Position: Date:

**Owner's Comments** Approval of the above materials does not relieve the contractor from his contractual obligations.

OWNER'S REPRESENTATIVE:  
 Name: Signature:  
 Position: Date:

**Approval Status:**  Approved  Approved As Noted  Re-submittal  Disapproved

**Contractor's Representative:** Name: Eng. Mustafa Baghdadi  
 Signature: *[Signature]*  
**Consultant's Representative:** Name: Eng. Mohd. Zahir Iqbal  
 Signature: *[Signature]*



**Sample of Mechanical Works Shop Drawings "Page 2 of 2"**



**Initial Handover (MECHANICAL WORKS)**

**Project:** Alessayi Beverage Factory  
**Building:** Production Building  
**Room:** Workers Facility  
**Date:** Mar 19, 2017

**Ref:** HO-PB-WF-MECH-R00

CONTRACT WORKS				
S/N	Description	Approved	Approved with comments	Remarks
1	Fire Fighting System	✓ ok		
2	Drainage - Soil, Waste, Vent Pipe	✓ ok		
3	HVAC - Wall Mounted Split A/C			* See Below
4	Ventilation - Exhaust Fan	✓ ok		
5	Ventilation - Duct Works	✓ ok		
6	Floor Drains and Cleanouts	✓ ok		
7	Domestic Water	✓ ok		

\* FMC Representative  
Eng. Jim Boy Sison

TYA Representative  
Eng. Zahir Iqbal

  
TYA Mech Eng

ABC Representative  
Eng. Hosain Parwez

\* (3) Numbers  
↓ A/C INDOOR UNITS NOT INSTALLED  
1 No. - KITCHEN  
3 Nos. - PRAYER HALL



**Initial Handover (MECHANICAL WORKS)**

**Project:** Alessayi Beverage Factory  
**Building:** Production Building  
**Room:** Workers Facility  
**Date:** Mar 19, 2017

**Ref:** HO-PB-WF-MECH-R00

VARIATION ORDER WORKS				
S/N	Description	Approved	Approved with comments	Remarks
1	Plumbing - Sanitary Fixures			* Wash Basin as per V.O brand is not yet fixed * PH Sprayer Missing in all toilets * Ablution faucet missing

FMC Representative  
Eng. Jim Boy Sison

TYA Representative  
Eng. Zahir Iqbal

  
TYA Mach Engr

ABC Representative  
Eng. Hosain Parwez

- ① WASH BASIN AS PER V.O. BRAND IS NOT YET FIXED
- ② PH SPRAYER MISSING IN ALL TOILETS
- ③ ABLUTION FAUCET MISSING

**Sample of Mechanical Works Initial Handover "Page 2 of 2"**











**TYA & Associates  
CONSULTANT**



**FMC  
CONSTRUCTION**  
Mohammad A. Farhat Co.  
For Contracting  
CONTRACTOR

**AL-ESAYI  
BEVERAGES**

**CLIENT**

**Project No:** \_\_\_\_\_ **Location:** **AL-KHUMRAH**  
**Project Name:** **AL-ESAYI BEVERAGES ELECTRO-MECHANICAL WORKS,**

**MATERIAL SUBMITTAL**

New Submittal Submittal No. **MT-EL-15** Previous Submittal No. \_\_\_\_\_  
 Resubmitted Submittal Date **05/10/2016** Previous Submittal Date: \_\_\_\_\_

**PURPOSE OF SUBMITTAL**  For Information  For Comments  For Approval

**DISCIPLINE**  
 CIVIL  ARCHITECTURE  STRUCTURAL  HVAC  PLUMBING  ELECTRICAL

**ATTACHMENT**  
 CATALOGUE  DRAWING  CERTIFICATE  SAMPLE  TECH.DATA  CALCULATIONS

**MATERIAL / EQUIPMENT** Note: Please use the attachment in case items are more than the provided space.

S.N	Description	Origin	Manufacturer / Supplier	Specification Reference	Standard	Approval Status
1	Switch Boxes & Junction Boxes	KSA	Eletra – Alrouf			



**Contractor's Remarks** We clarify that above submittal is strictly adhered with contract drawings, specifications except otherwise stated below:

**Exceptions:** \_\_\_\_\_ **CONTRACTOR PROJECT MANAGER**  
Name : \_\_\_\_\_  
Signature \_\_\_\_\_ Date: \_\_\_\_\_

**Consultant's Recommendations** Approval of the above materials does not relieve the contractor from his contractual obligation.

**Owner's Recommendations** Approval of the above materials does not relieve the contractor from his contractual obligation.

**Approval Status:**  
 A Approved  B Approved As Noted  C Resubmitted  D Rejected

<b>Contractor's Representative:</b> Name: <b>ENG. MOHAMED ADEL</b>  Signature: 	<b>Consultant's Representative:</b> Name: _____  Signature: _____
---	--

**Sample of Electrical Works Materials Submittal "Page 1 of 2"**



Transmittal no	
Contractor	Mohammad A. Farhat Co. For Contracting
Supplier	Alrouf Electrical Accessories Manufacturer
Make	Alrouf-KSA
Sample	Switch Boxes & Junction Boxes



**Sample of Electrical Works Materials Submittal "Page 2 of 2"**



**TYA & Associates  
CONSULTANT**



**CONTRACTOR**

**AL-ESAYI  
BEVERAGES**

**CLIENT**

**Project Name:** AL-ESAYI BEVERAGES ELECTRO-MECHANICAL WORKS,  
**Location:** AL-KHUMRAH

**SHOP DRAWING SUBMITTAL**

New Submittal      Submittal No. **SD-EL-23**      Previous Submittal No.  
 Resubmitted      Submittal Date :      Previous Submittal Date:

**PURPOSE OF SUBMITTAL**      For Information      For Comments       For Approval

**DISCIPLINE**  
 CIVIL     ARCHITECTURE     STRUCTURAL     HVAC     PLUMBING     ELECTRICAL   

**ATTACHMENT**  
 CATALOGUE     SHOP DRAWING     CERTIFICATE     SAMPLE     TECH.DATA     CALCULATIONS

Note: Please use the attachment in case items are more than the provided space.

S.N	Description	Approval Status
-----	-------------	-----------------

1	Site Cable Tray Layout Plan (Part-B)&site Cable Route Details.	
---	--	--

**Contractor's Remarks**      We clarify that above submittal is strictly adhered with contract drawings, specifications except otherwise stated below:

**Exceptions:**      **CONTRACTOR PROJECT MANAGER**  
Name :  
Signature :  
Date:

**Consultant's Recommendations**      Approval of the above shop drawings does not relieve the contractor from his contractual obligation.

**Owner's Recommendations**      Approval of the above shop drawings does not relieve the contractor from his contractual obligation.

**Approval Status:**  
 A Approved     B Approved As Noted     C Resubmitted     D Rejected

**Contractor's Representative:**      **Consultant's Representative:**  
Name: ENG. MOHAMED ADEL      Name:   
Signature:



**Initial Handover (ELECTRICAL WORKS)**

**Project:** Alessayi Beverage Factory  
**Building:** Utility Building  
**Room:** Boiler Room  
**Date:** Mar 7, 2017

Ref: HO-UT-GF-BR-ELECT-R01




S/N	Description	Approved	Approved with comments	Remarks
1	Lighting Layout	OK		
2	Power Layout	OK		
3	Fire Alarm Layout	OK		
4	Low Current Layout	OK		
5	Lighting Control Layout	OK		Check the snag list
6	Grounding Layout	OK		
7	Arrester Layout	OK		
8	Access Control (Boxes & Cabling)	OK		
9	Cable Tray Layout			







  
FMC Representative  
Eng. Syed Muqtar Hussain

  
TYA Representative  
Eng. Alfredo Manuel

  
ABC Representative  
Eng. Hosain Parwez

\* Please submit as build drawing (Follow snag list)

		
OWNER: ALESAYI BEVERAGE CORPORATION	CONSULTANT: TYA & ASSOCIATES	CONTRACTOR: FMC Construction
<b>PROJECT:</b> Alesayi Beverage Factory @ Jeddah Industrial Area III Jeddah, KSA		
Date : March 26, 2017		
<b>SUBJECT: MEP Snag List - BOILER ROOM</b>		
<b>Electrical</b>		<b>Mechanical</b>
Lighting keypad has to be installed.	6 numbers exhaust fans not yet installed	
Earthing bus bar not yet installed.	Chimneys for boilers not yet fixed.	
Testing for the Fire Alarm System not yet done.	Roof top hand railing to be completed	
All power point and welding point to be tested.	Curbs to be tested for water leakage if any.	
Labeling of all cables in local panels	Stainless Steel condensate Piping not yet fixed .	
External lighting to be tested		
Generator strobe Light not yet installed.		
Exhaust Fan Connection is pending.		

Muqtar H FMC	S.Jimboy FMC	Mustafa FMC	Alfredo M. TYA	Zahir Iqbal TYA	M.Daud TYA	Parwez H. ABC	Saber. ES ABC
							



▪ Project Photos:

➤ ADMINISTRATION BUILDING:































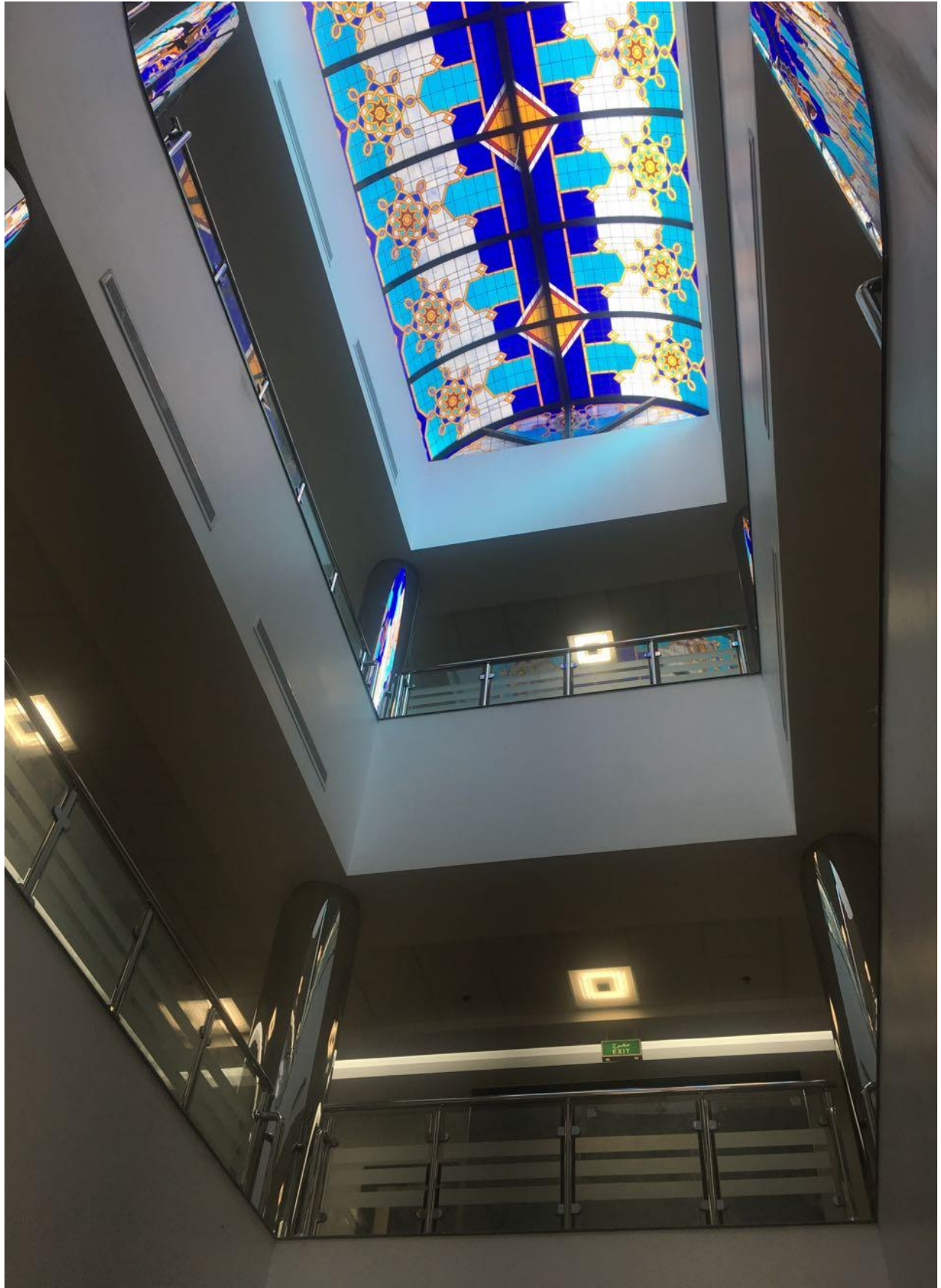










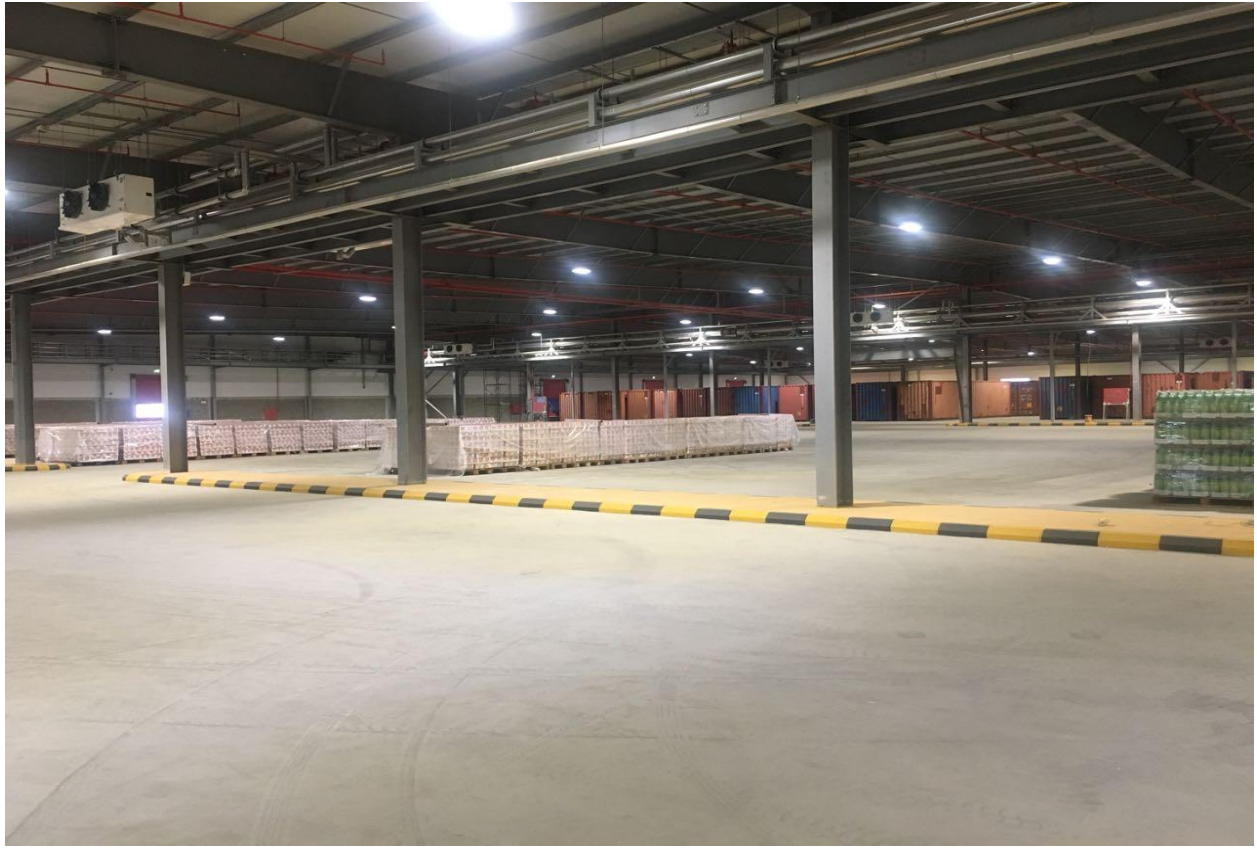




- **MAIN FACTORY AREA:**
- **RAW MATERIALS & FINISH PRODUCT AREA:**











➤ **PRODUCTION AREA, MCC ROOMS, PRODUCTION SUPERVISOR ROOM:**





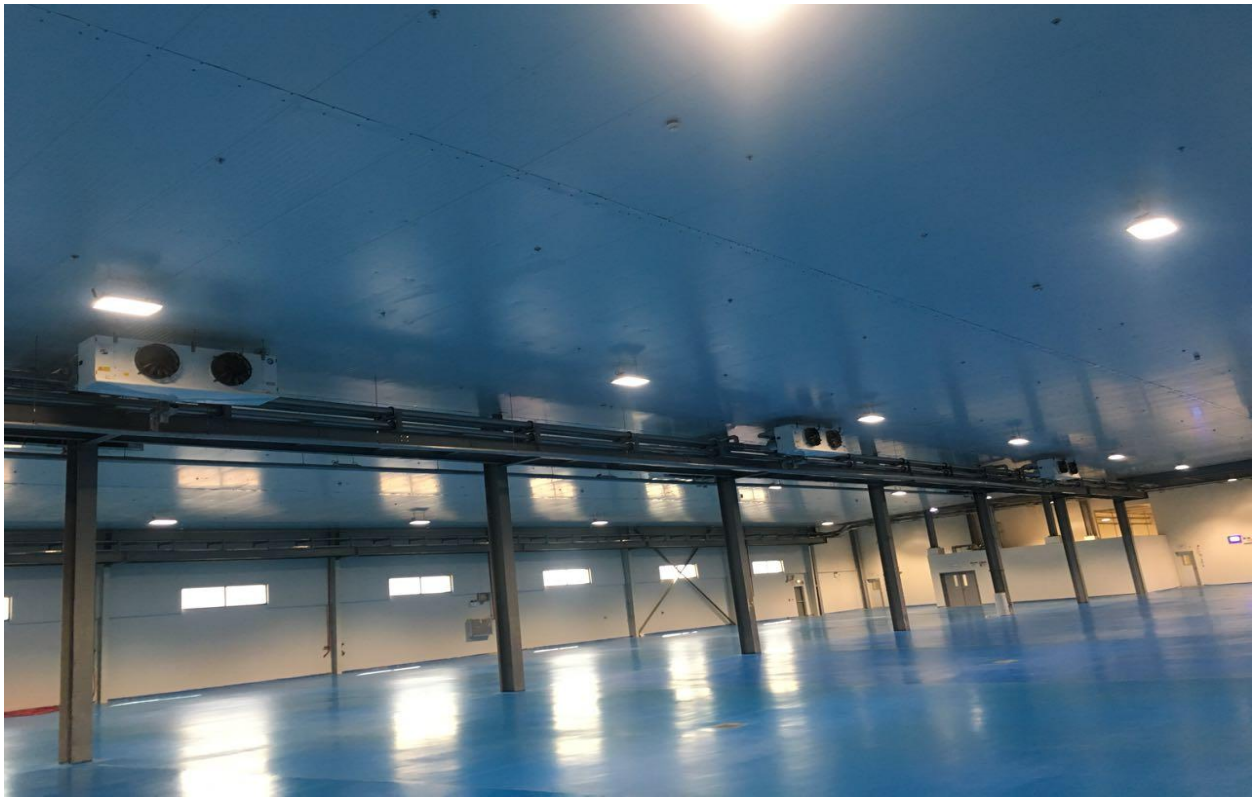
















➤ **SYRUP FILLING & MIXING AREA:**















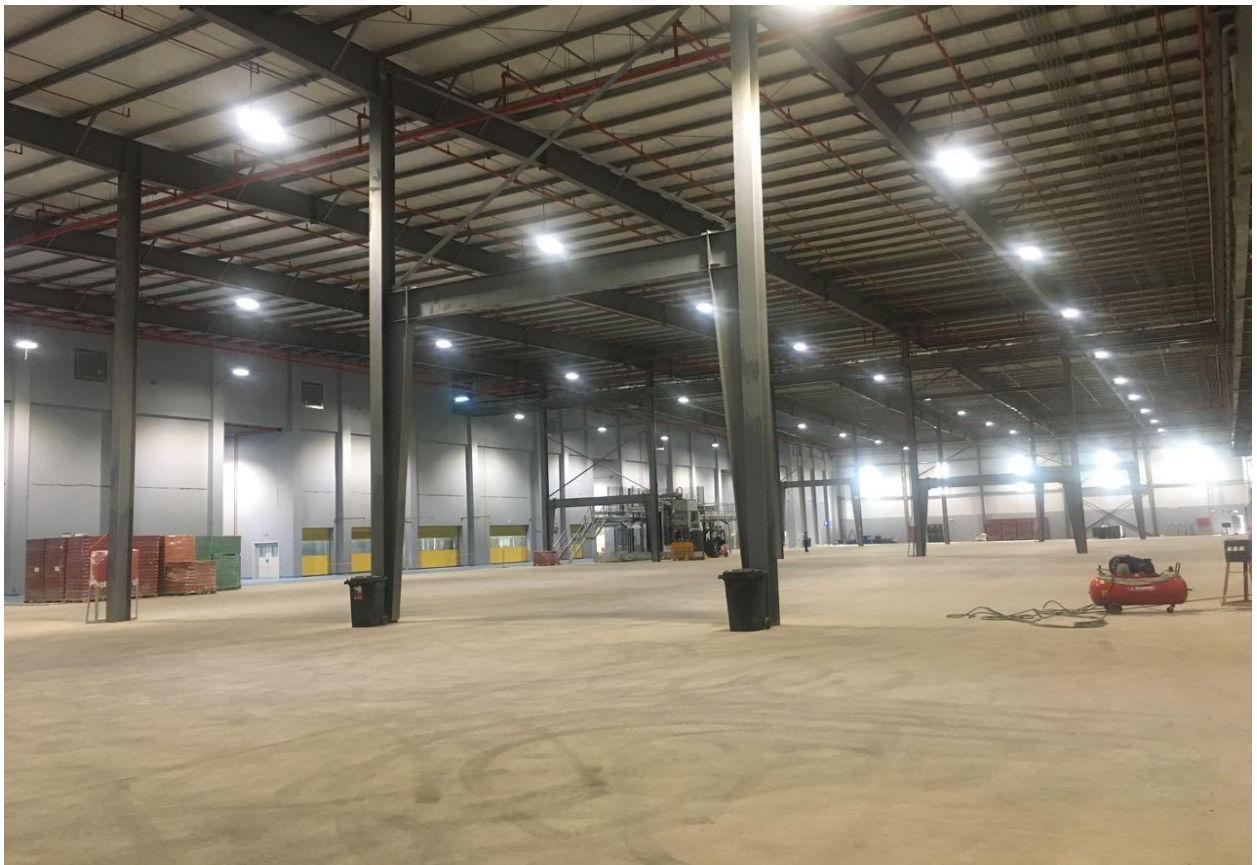








➤ **MAIN TANK AREA:**













➤ **SUGAR DISSOLVING AREA:**



➤ **COLD STORE AREA:**





➤ **WATER TREATMENT AREA:**



➤ **UTILITY DISTRIBUTION ROOM:**



➤ **CHILLER AREA:**





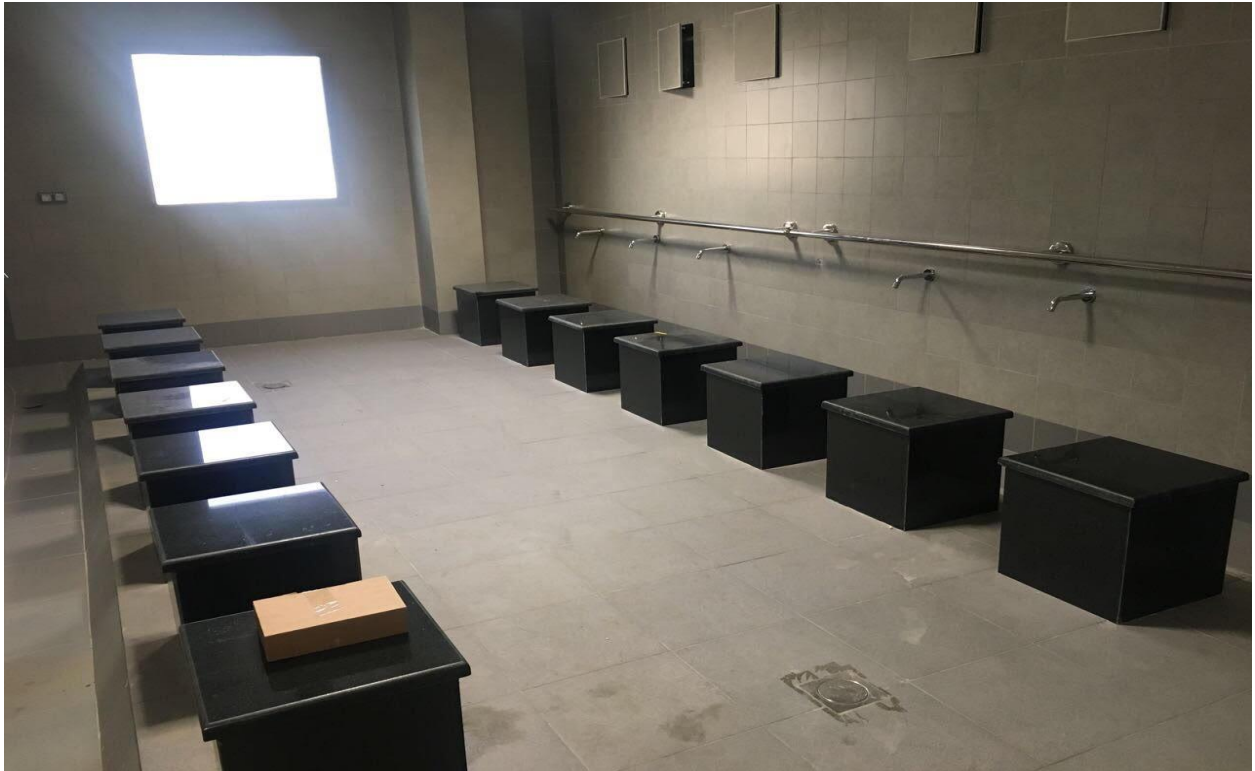






➤ **WORKER FACILITY AREA:**





➤ **LABORATORY ROOM:**



➤ **CARTON STORAGE AREA:**



➤ **AIR COMPRESSOR ROOM:**



➤ **WORK SHOP ROOMS:**







➤ **DRIVER REST, DISPATCH SUPERVISOR & TOILET ROOM:**



➤ **ELECTRICAL CONTROL DISTRIBUTION ROOM:**



➤ **SCECO, TRANSFORMER & SWITCH GEAR ROOMS:**



➤ **FIREFIGHTING PUMP ROOM:**



➤ **GUARD ROOM:**



➤ **SILO AREA & AIR BLOWING ROOM:**



➤ **UTILITY AREA:**

➤ **BOILER AREA:**



➤ **WATER COLLECTING & DIESEL TANKS AREA:**





➤ **GENERATOR AREA:**



➤ **LINK BRIDGE BETWEEN UTILITY & MAIN FACTORY:**



➤ **CHILLER PLATFORM BETWEEN MAIN FACTORY & ADMINISTRATION BUILDING:**



➤ **EXTERNAL WORKS:**



