

SUBMITTAL COVER SHEET



Al-Tayer Stocks LLC
Interior & Building Contractors
P.O.Box 2623, Dubai-UAE
Ph.: +971(0)4 2825855
Fax.: +971(0)4 2826594
email:ats@altayer.com

NAME OF PROJECT: ASD - American School of Dubai

Submittal No:

ATS-ASD-53022-SD-STR-067

Project No.

53022

Revision No:

0

Client:

American School of Dubai

Submittal Date:

13-Oct-19

Consultant:

CPG Consultant

Title:

Shop Drawing

Contractor:

Al Tayer Stocks L.L.C.

Drawing No:

DBC/B/2019/2409

FIRST SUBMITTAL OF THIS ITEM

OR RESUBMITTAL

TYPE OF SUBMITTAL

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Shop Drawings & Schedules | <input type="checkbox"/> Method Statement | <input type="checkbox"/> Preliminary As Built Drawings |
| <input type="checkbox"/> Samples | <input type="checkbox"/> Programme | <input type="checkbox"/> As Built Drawings |
| <input type="checkbox"/> Materials & Product Data | <input type="checkbox"/> Mock-up & QC panel | <input type="checkbox"/> O & M Manuals |
| <input type="checkbox"/> Certification & Verification of Performance | <input type="checkbox"/> Inspection & Test Reports | <input type="checkbox"/> Other - Please specify |

DESCRIPTION

Roof Floor Slab Layout and Section, Calculation

SUB CONTRACTOR / MANUFACTURER

M/s. DESARCH

Specification & BOQ Ref:

Location / Use:

ASD

CONSULTANT/PROJECT MANAGERS COMMENTS

Approved subject to
- Formwork design calculation
- certificate from formwork sub contractor
- inspection to be done for all form works by sub contractor

CONTRACTOR'S REVIEW

The contractor has reviewed this submission prior to submission to the Consultant

Signature

David Small

SUBMITTAL REVIEW STATUS

- AA Approved
 AN Accepted as Noted
 RR Revise & Resubmit

DATE RECEIVED

DATE RETURNED

CONSULTANT'S SIGNATURE

For and on behalf of Consultant

Date:

14-10-19

PROJECT MANAGERS APPROVAL

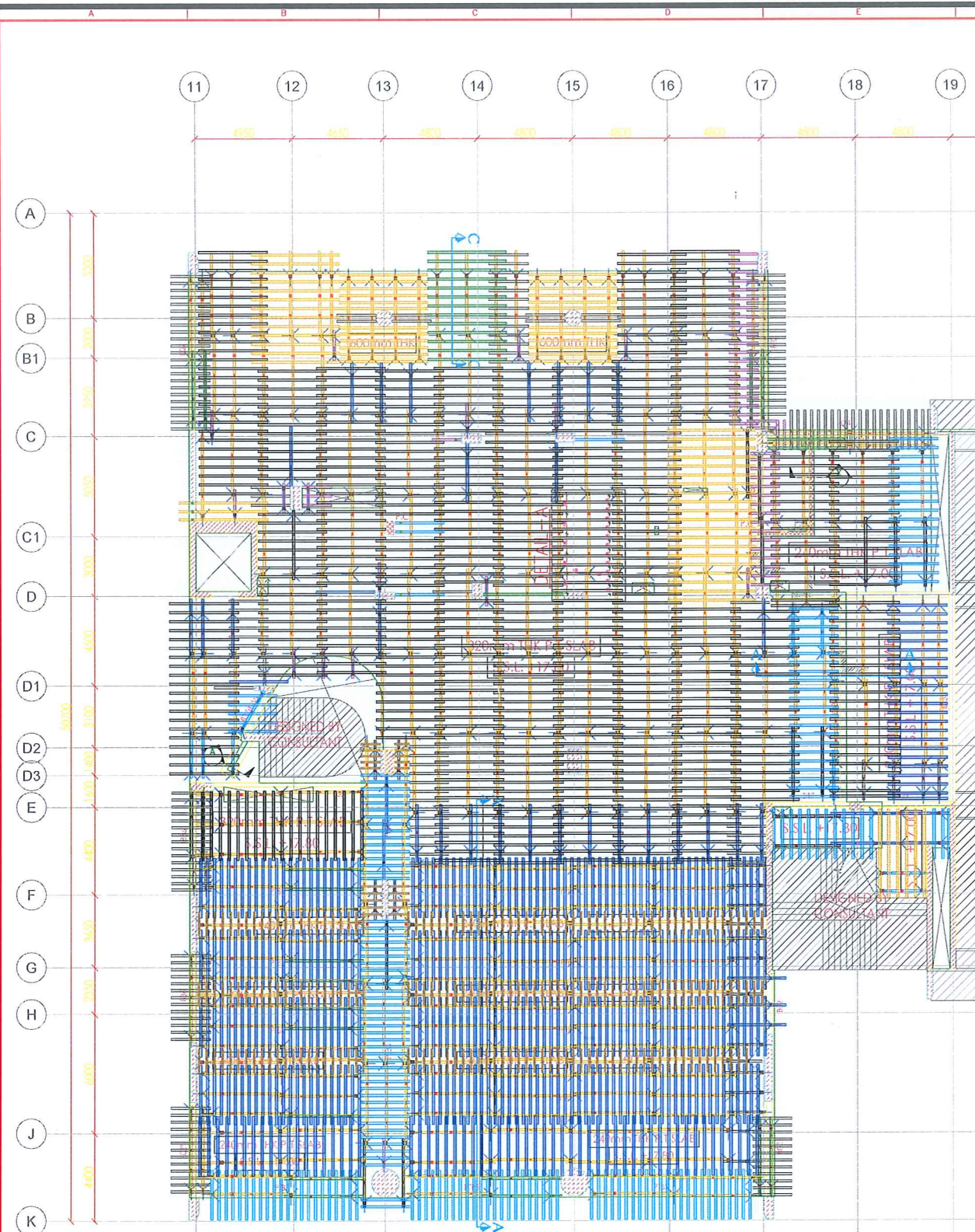
For and on behalf of Project Manager

Date:

Distribution: Original to Al Tayer Stocks
Copies to: Subcontractors



Time: *2:00pm*
Sign: *[Signature]*



ROOF FLOOR SLAB SECONDARY BEAM SLAB LAYOUT

NOTE: 18mm PLYWOOD SHOULD BE USED IN ALL SLAB SHUTTERING.
 NOTE: PRIMARY ALUMINUM BEAM MAXIMUM SPACING CENTER TO CENTER SHOULD BE 150cm.
 NOTE: SECONDARY ALUMINUM BEAM MAXIMUM SPACING FOR 32cm THK SLAB CENTER TO CENTER SHOULD BE 45cm.

Rev	Description	Date	Checked	Authorized

- GENERAL:**
- THIS DRAWING IS NOT TO BE SCALED. ONLY THE WRITTEN DIMENSIONS TO BE FOLLOWED.
 - ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF 'DA' BEFORE COMMENCEMENT OF CONCRETING.
 - SCAFFOLDING FOR MAKE-UP AREAS BY PROPS BY CONTRACTOR.
 - ALL DIMENSIONS AND LEVELS ARE IN METERS UNLESS OTHERWISE NOTED.

CONTRACTOR:

الطائر ستوكس ذ.م.م.
Al Tayer Stocks L.L.C.

Interior & Building Contractors
 P.O. BOX. 2623, DUBAI, UAE.
 TEL : +971 (0) 4 5034 888

Web Site : www.allayerstocks.com
 E-mail : ATS@allayer.com
 FAX : +971 (0) 4 3994 115

CONSULTANT:

PRIME

Dubai
 AE Prime Engineering Consultants
 Tel : +971 4 431 5051
 Fax : +971 4 431 0551
 PO Box : 115761

Abu Dhabi
 Prime Engineering Consultants
 Tel : +971 2 572 9572
 Fax : +971 2 579 5050
 PO Box : 105353

CLIENT:

American School of Dubai
 P.O. BOX 71188, DUBAI, U.A.E.
 TEL 971 4 3440824 / FAX 971 4 3441510
 EMAIL asdadmin@emirates.net.ae

ASD

SCAFFOLDING SUPPLIER:

DESARCH

P.O. BOX 71957, DUBAI, UAE
 PH: 00971 4 3337012, FAX: 00971 4 3337044
 E-mail: desarch@emirates.net.ae

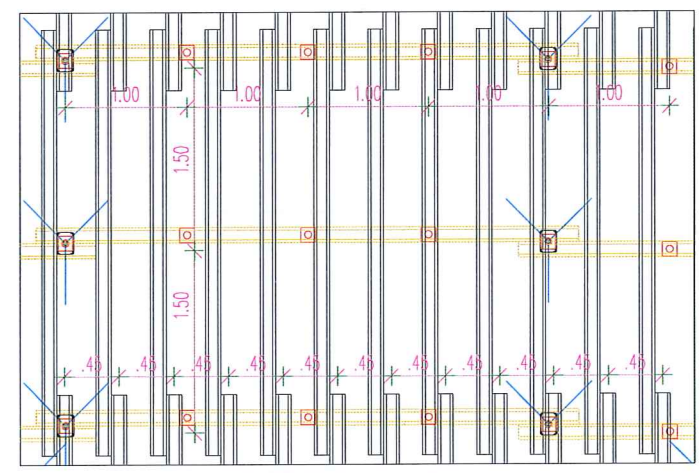
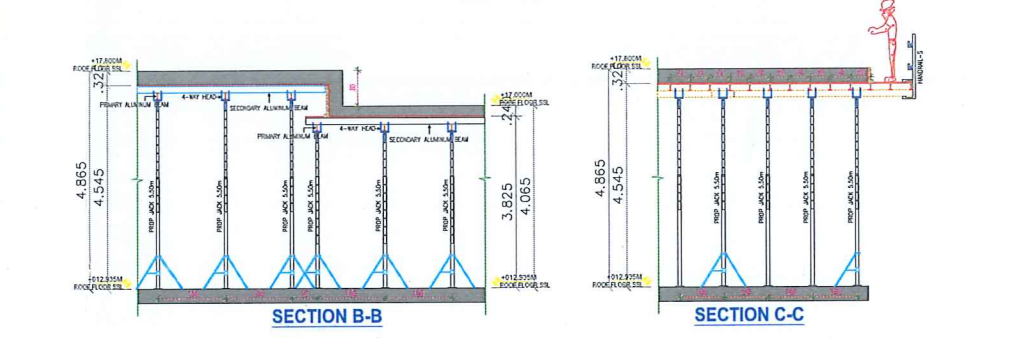
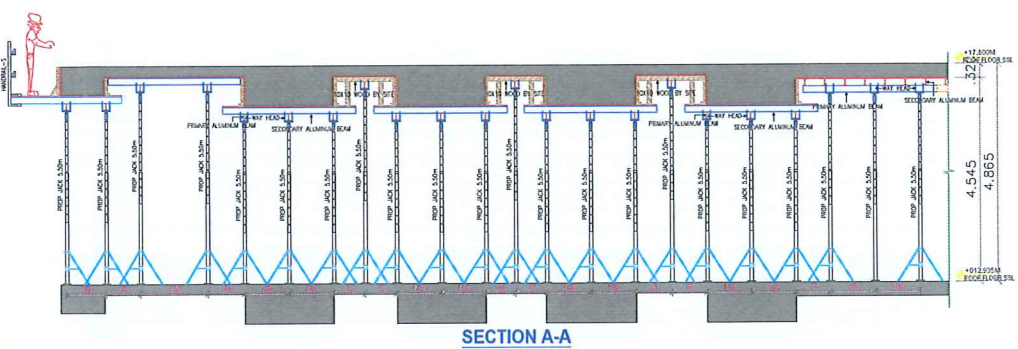
P.O. BOX 92269, ABU DHABI, UAE
 PH: 00971 2 5538330, FAX: 00971 2 5538331,
 E-mail : desarch1@emirates.net.ae

Project:

AMERICAN SCHOOL OF DUBAI, EXTENSION
 373-730, AL BARSHA FIRST, DUBAI
 PLOT NO: 3739363, BARSHA 1

Drawing title:
ROOF FLOOR SLAB LAYOUT AND SECTION

Project Number	Drawing Number	Rev	Original Scale	Drawn	Checked	Authorized	Site
DBC/B/2019/2409	00	00	1:100	09-10-2019			A1



DETAIL-A

LEGEND:

ALUMINUM BEAM

- ALUMINUM BEAM 1.50m
- ALUMINUM BEAM 2.00m
- ALUMINUM BEAM 2.50m
- ALUMINUM BEAM 3.00m
- ALUMINUM BEAM 3.50m
- ALUMINUM BEAM 4.00m
- ALUMINUM BEAM 4.50m
- ALUMINUM BEAM 5.00m

STEEL PART

- PROP JACK
- 4-WAY HEAD
- TRIPOD
- HANDRAIL-S

THIS DRAWING AND THE DESIGN IT COVERS ARE THE PROPERTY OF M/A DESARCH ASSOCIATES (DA) (SCAFFOLDING DIVISION) P. O. BOX 71957, DUBAI, U.A.E. THEY ARE MERELY LOANED AND ON THE BORROWER'S EXPRESS AGREEMENT THAT THEY WILL NOT BE REPRODUCED, COPIED, LOANED, EXHIBITED NOR USED EXCEPT IN THE LIMITED WAY AND PRIVATE USE PERMITTED BY ANY WRITTEN CONSENT GIVEN BY THE BORROWER.

Project: AMERICAN SCHOOL OF DUBAI, EXTENSION
373-730 PLOT NO. 3739363, AL BARSHA 1ST

Consultant: M/s. PRIME Engineering Consultant

Client: M/s. AMERICAN SCHOOL OF DUBAI

Contractor: M/s. AL TAYER STOCKS L.L.C.

Area: ROOF FLOOR SLAB.

SLAB FORMWORK CALCULATIONS

Slab Loads

Slab Depth	= 320mm (Maximum)
Concrete Load	= 25KN/m ³
Live Load	= 1.5KN/m ²
Formwork Load	= 0.5KN/m ²
Slab Load per m ²	= 0.32m x 25KN/m ³ = 8.00KN/m ²
Live Load per m ²	= 1.5KN/m ²
Formwork Load per m ²	= 0.50KN/m ²
Total Load per m ²	= 10.00 KN/m ²

Loads on Vertical (H.D. Prop)

Concrete weight per m ²	= 10.0 KN/m ²
Grids considered	= 1.5 x 1.0 (Maximum) as per Drg.
Total weight on standards	= 10.0x1.5x1.0 = 15.00 KN/m ² < 75 KN/m ² Safe. O.K.
Maximum allowable load on H.D. PROP.	= 7,500 KG (60.00KN)

ALUMINUM BEAM CALCULATION:

Please see attachments.



Project: AMERICAN SCHOOL OF DUBAI, EXTENSION
373-730 PLOT NO. 3739363, AL BARSHA 1ST

Consultant: M/s. PRIME Engineering Consultant

Client: M/s. AMERICAN SCHOOL OF DUBAI

Contractor: M/s. AL TAYER STOCKS L.L.C.

Area: ROOF FLOOR SLAB.

PT BEAM FORMWORK CALCULATIONS

PT BEAM Loads

Slab Depth	= 900mm (Maximum)
Concrete Load	= 25KN/m ³
Live Load	= 1.5KN/m ²
Formwork Load	= 0.5KN/m ²
Slab Load per m ²	= 0.90m x 25KN/m ³ = 22.50KN/m ²
Live Load per m ²	= 1.5KN/m ²
Formwork Load per m ²	= 0.50KN/m ²
Total Load per m ²	= 24.50 KN/m ²

Loads on Vertical (H.D. Prop)

Concrete weight per m ²	= 24.5 KN/m ²
Grids considered	= 1.5 x 1.0 (Maximum) as per Drg.
Total weight on standards	= 24.5x1.5x1.0 = 36.75 KN/m ² < 75 KN/m ² Safe. O.K.
Maximum allowable load on H.D. PROP.	= 7,500 KG (60.00KN)

ALUMINUM BEAM CALCULATION:

Please see attachments.



TEST CERTIFICATE FOR ALUMINIUM EXTRUSION

MILL FINISH + SURFACE TREATMENT

3.1 INSPECTION CERTIFICATE AS PER DIN EN 10204:2004

SERIAL NO: **GE/QC/2017/TC 013**

DATE: **07th Jan 2017**

CUSTOMER	DESARCH BUILDING CONTRACTING L.L.C.										
GULFEX ORDER NO:	1720006	CUSTOMER PO / REF NO:	PO#4151	QUOTATION NO:	1615681						
ALUMINIUM EXTRUSIONS PRODUCED AS PER	BS EN 573-3:2013 – Aluminium Alloys (Extrusions) – Chemical Composition & Form of Wrought Products										
	BS EN 755-1:2008 – Aluminium Alloys (Extrusions) – Technical conditions for inspection and delivery										
	BS EN 755-2:2013 – Aluminium Alloys (Extrusions) – Mechanical Properties										
	BS EN 755-9:2016 – Aluminium Alloys (Extrusions) – Dimensional Tolerances										
	BS EN 12020-2:2008 – Aluminium Alloys (Extrusions) – Dimensional Tolerances										
	ASTM B221-2014 – Specification for Aluminum & Aluminum Alloys Extruded Bars, Rods, Profiles & Tubes										
	SASO Standards : 79/1998 – Aluminium Alloys (Extrusions)										
	QUALANOD SPECIFICATIONS (Anodized Aluminium Extrusions) (Edition 01.01.2017)										
	QUALICOAT SPECIFICATION (Powder Coated Aluminium Extrusions) (14 th Edition)										
PRODUCT	PROFILE NO. / SECTION NO.	ALLOY-TEMPER	FINISH	LENGTH (m)	QUANTITY (PCS)	DELIVERY NOTE NO.					
ALUMINIUM EXTRUSIONS	23526	AA 6082 – T6	MILL	3.000 4.000	300 680	1368251 1368122					
EXTRUSION		POWDER COATING		ANODIZING			CRIMPING				
DIMENSIONS	SURFACE	FILM THICKNESS (≥ 60 μm)	GLOSS (%)	FILM THICKNESS (μm)	SEAL TEST (μS)	SHEAR FORCE (KN)					
OK	OK	N/A	N/A	N/A	N/A	N/A					
CHEMICAL COMPOSITION (%)											
ALLOY: AA 6082	CAST NO:	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Ga	V
minimum	16322H11	0.70	0.00	0.00	0.40	0.60	0.00	0.00	0.00	-	-
maximum		1.30	0.50	0.10	1.00	1.20	0.20	0.10	0.15	-	-
actual		1.00	0.21	0.07	0.48	0.68	0.01	<0.01	0.014	0.01	-
MECHANICAL TESTING											
WALL THICKNESS t (mm)	TEMPER: T6	UTS R _m (MPa)	YS R _{p0.2} (MPa)	ELONGATION A (%)	FORCE @ PEAK (N)	HBW Typical Value					
t ≤ 5	minimum	290	250	8	-	95					
	maximum	-	-	-	-	-					
	actual	318	298	11	13891	98 - 99					

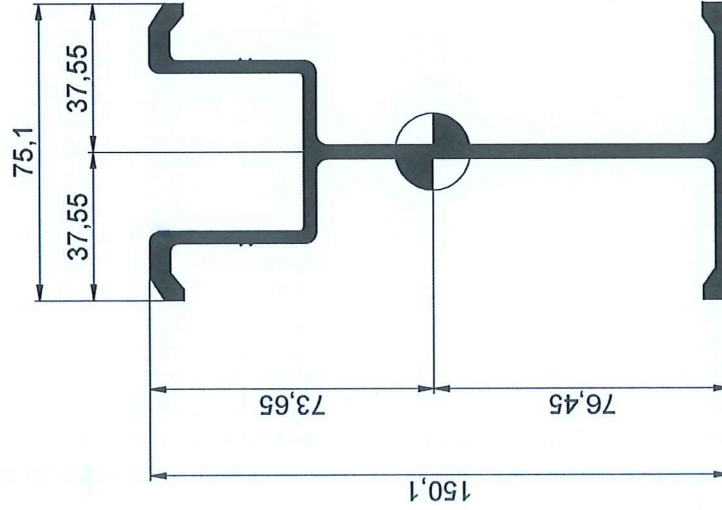
OBSERVATIONS:

- We hereby confirm that the above products are from Aluminium Extrusions.
- We hereby confirm that the above mentioned material fulfills the requirements as per specified international standards and as per customer requirements.
- Billets used in the extrusion are 100 % ultrasonic inspected at billet supplier's end.

Issued by : QSEL DEPARTMENT

1/8/2017 5:51:54 PM

For GULF EXTRUSIONS Co. L.L.C



----- GE-10949 -----

Area:

1245.8535

Perimeter:

675.0949

Bounding box:

X: -37.5500 -- 37.5500

Y: -76.4528 -- 73.6472

Centroid:

X: 0.0000

Y: 0.0000

Moments of inertia:

X: 3898756.2217

Y: 473270.6658

Product of inertia:

XY: 0.0000

Radii of gyration:

X: 55.9409

Y: 19.4904

Principal moments and

X-Y directions about centroid:

I: 3898756.2217 along [1.0000 0.0000]

J: 473270.6658 along [0.0000 1.0000]

CONCRETE THICKNESS = 300 MM, 350 MM, 400 MM, 450 MM, 500 MM, 550 MM
Alum Profile = 3.364 kg/m (GE-10949)

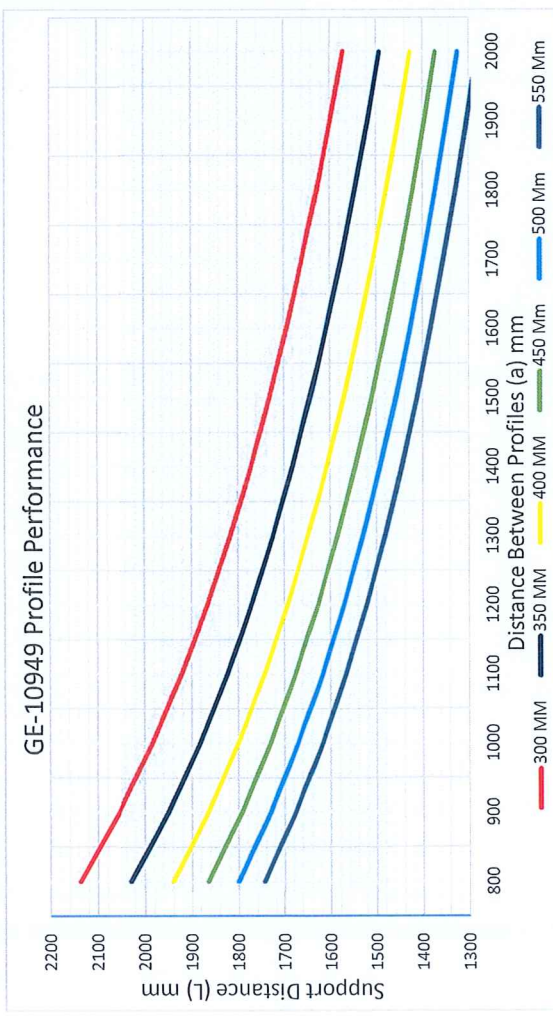
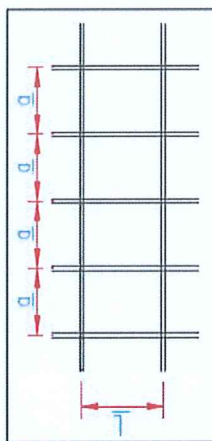
Mass = 24.5 kN/m³

I_x = 390.395 cm⁴

W_x = 51.067 cm³ Moment Capacity = 6.809 kN.m

Table (L) for deflection less than L/360

Slab/Mm	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
300 MM	2137	2055	1983	1921	1866	1816	1772	1731	1694	1660	1629	1599	1572
350 MM	2030	1951	1884	1824	1772	1725	1683	1644	1609	1577	1547	1519	1493
400 MM	1941	1866	1801	1745	1694	1649	1609	1572	1539	1508	1479	1452	1428
450 Mm	1866	1794	1731	1677	1629	1586	1547	1511	1479	1449	1422	1396	1372
500 Mm	1801	1731	1671	1619	1572	1531	1493	1459	1428	1399	1372	1347	1324
550 Mm	1745	1677	1619	1568	1523	1482	1446	1413	1383	1355	1329	1305	1283
Limit	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160



Concrete Thickness (t)



REPORT ON LOAD TEST OF SCAFFOLDING PROPS FOR FALSEWORK EQUIPMENT
(BS 5507 Part 3: 1982)

Page No. 01 of 01

Contractor	: Desarch Building Contracting LLC	Sample Reference No.:	NP
Address	: P.O.Box: 92269 Abu Dhabi, UAE	Date of sampling:	NP
Client	: NP	Sender's Reference No.:	NP
Consultant	: NP	Lot No.:	NP
Project Name	: NP	Sampling location:	NP
Project No.	: NP	Date Sample Received:	02/05/2018
Size of Sample	: 1 pc.	Condition of sample as received:	Good
Sample Name	: Adjustable Scaffolding Props (Vertical Support)	Sample Brought in by:	Client
Sample Description	: Adjustable Scaffolding Props (Vertical Support)	Sampled by:	Client
Marking on Sample	: Doka (Eurex 20 Top/550)	Report Date:	02/05/2018
Source of sample	: Desarch Scaffolding	Overall length of sample:	5.5 meters
Report No.	: ISTL18-000220 SN 1/1	Date test started:	02/05/2018
Lab. Project No.	: ISTL C-244	Date test completed:	02/05/2018
Sample No.	: ISTL18-000220/1	Tested by:	MS

TEST RESULTS

Outer diameter of inner pipe	: 77.5 mm
Outer diameter of outer pipe	: 89.6 mm
Open position (length) of sample when tested	: 5.3 meters
Type of testing	: Maximum load to failure

Specimen No.	*Peak Load (kN)	Observations
ISTL18-000220/1	75	Failure on hole was observed

Note :- *Peak load is reported to nearest 5kN

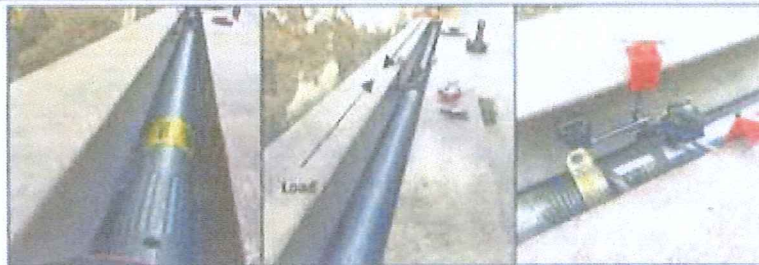


Figure 01. Set-up of testing scaffolding specimen



Figure 02. Specimen after test

Equipment used	: DD001004-026 / Jack-RCH-603
Method variation	: Nil
Remarks	: Only one (1) specimen was tested

Signed for and on behalf of Independent Soil Testing Laboratories LLC.

Jacob Juby
Laboratory Manager



Results relate only to the item tested.
This report shall not be reproduced except in full, without written approval of the laboratory.

Load Resistance Test
Reference No. 00018-000220 - Scaffolding Props for Falsework Equipment
Issue No. 01

PROJECT NO.: D18097-0200S PROJECT NAME: DCCI - BUILDING EXTENSION	EMPLOYER: 	Request No. DCCI-SCA-C-010 0
ENGINEER:  Dar Al-Handasah Consultants (Shair and Partners)	CONTRACTOR: 	Date 19-08-19

SUB-CONTRACTOR'S APPROVAL

1. SUB-CONTRACTOR'S PARTICULARS


Company Name : DESARCH Scaffolding

Company Line or works : Scaffolding works

Address : PO Box-71957 Dubai UAE

The following prequalifying documents should be enclosed :

Commercial Register
 Founding Contract
 Summary of Experience
 Financial Status
 Present Works
 Company Staff
 Company Equipment



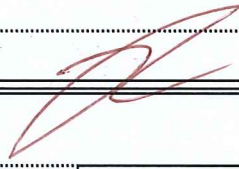
2. SUB-CONTRACTED WORKS

Section of the Works : -

BOQ Items : -

Total Value of Sub-Contract (in Contract Rates) : NA

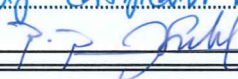
Cumulative Value of Sub-Contracted works to-date (in Contract Rates) : NA

Submitted by : Laurie Geoghegan Signature 

3. ENGINEER'S COMMENTS

No objections to the proposed sub-contractor for Form work subject to below

- Submit the Design calculations and drawings for Form work as per the Project specifications requirements*
- All the Form work materials must be in good condition and test certificates must be provided when delivered to site.*
- Third party certificates must be provided for the Form work installed at site*

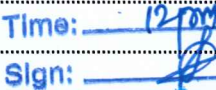
Signature  DATE 20/8/2019

<input type="checkbox"/> Approved
<input checked="" type="checkbox"/> Approved As Noted
<input type="checkbox"/> Revised and Resubmit
<input type="checkbox"/> Rejected

Client:

Al Tayer Stocks LLC.

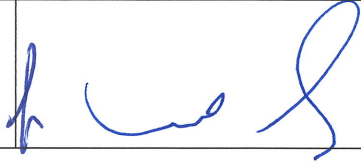
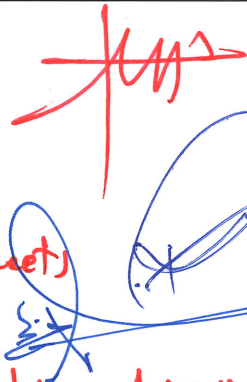

Signature: _____ DATE: / /

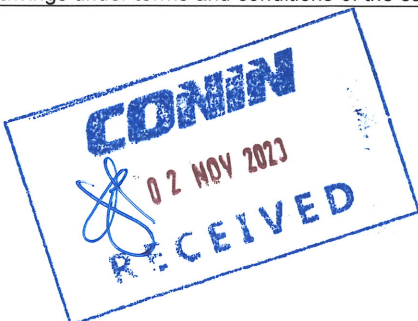


<input type="checkbox"/> Approved
<input type="checkbox"/> Approved As Noted
<input type="checkbox"/> Revised and Resubmit
<input type="checkbox"/> Rejected

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

L

Section A. Submittal Details			
Project: P224 – Proposed Himalaya BTS Building (B+G+2) on Plot No. 6727731		Location: Dubai Science Park Plot No.: 6727731	Submittal No. AAC-224-SD-CIV-069 Rev. 00
Date of Submission: 31 October 2020		Planned Submission Date:	
Consultant: M/s. Incorporated Consultants (Conin)		Contractor: M/s. Al Ashram Contracting LLC	
Resident Engineer: Mr. Khaled Al Nimer		Project Manager: Mr. Motasem Thalji	
Trades/Services: <input type="checkbox"/> Architectural <input checked="" type="checkbox"/> Civil/Structural <input type="checkbox"/> M.E.P. <input type="checkbox"/> Other:			
Drawing Description:			
S/N	Drawing No.	Description	Revision
1	AAC-224-SD-SCF-007	Roof Floor Slab Scaffolding Layout	0
2	AAC-224-SD-SCF-008	Roof Floor Slab Scaffolding Section	0
Consultant/Contractor Details: M/s. Al Ashram Contracting LLC			
Contact Person		Consultant's/Contractor's Name	Authorized Signature & Stamp
Mr. Motasem Thalji		M/s. Al Ashram Contracting LLC	
Section C. Approval Details			
Consultant: M/s. Incorporated Consultants (Conin)			
Status	Comments		Authorized Signature
<input type="checkbox"/> Approved (A) <input checked="" type="checkbox"/> Approved as Noted (B) <input type="checkbox"/> Rejected – resubmit (C) <input type="checkbox"/> For Record (D)	<p><i>All levels/ openings to be as Per Archl Map Aug 3.</i></p> <p><i>± 3rd party certificate to be provided.</i></p> <p><i>Follow comments on attached sheets</i></p> <p><i>Final APPROVAL subjected to DPA Engineer / The Engineer inspection APPROVAL!</i></p>		
TECOM Technical Reviewer			
Status	Comments		Authorized Signature
<input checked="" type="checkbox"/> No Objection <input type="checkbox"/> No Objection w/ comments <input type="checkbox"/> Objection			
<p>1. This review does not in any way absolve the Consultant & Contractor from their design, supervision and construction obligations and legal liabilities.</p> <p>2. Drawings rejected must be resubmitted for approval with all requested documents & data. Contractor remains fully responsible for approved drawings under terms and conditions of the contract.</p>			





صالح للإنشاءات ذ.م.م
SALEH CONSTRUCTIONS L.L.C

Ref : SCC/Desarch/HG/LR01/2020

Date : 01stJuly 2020

M/s. Desarch Scaffolding

P.O. Box: 71957

Dubai, U.A.E

Tel: +971 4 3337012 | Fax: +971 4 3337154

Email : desarchscaffolding@gmail.com

Kind Attn : Mr. Vargish

Project : Proposed (G+1) Hypermarket & Showrooms for (Union Coop)
On Plot No. 4168148 At Nad Al Hammar, Dubai U.A.E.

Subject : Status of Shop Drawing for Sub-contractor approval & Shop Drawing submittal

Dear Sir,

With reference to the above mentioned project and subject, kindly find attached Status of **Sub-Contractor Approval and Shop Drawing submittal for slab form work.**

SN	Submittal Reference No.	Status
01	Union/SD/CIV/003 Rev 0	Approved As Noted
02	Union/SUB/CIV/07 Rev 0	Approved As Noted

Therefore, you are requested to fully comply with the attached consultant comments and provide us the scaffolding calculations for approval.

This is for your information and further action.

Regards,
For Saleh Constructions

Hisham El Gharbawy
Project Manager

صالح
2/7/20

a member of
مجموعة صالح بن لادن
SALEH BIN LAHEJ GROUP

صوب ٣٧٤١ دبي، الامارات العربية المتحدة هاتف +٩٧١ ٤ ٧٠٥٩٩٩٨ فاكس +٩٧١ ٤ ٢٨٢١٨١٨
P.O. Box 3741, Dubai, UAE. Tel. +971 4 705 9998, Fax +971 4 2821818
e-mail: info@salehc.ae





صالح للإنشاءات ذ.م.م
SALEH CONSTRUCTIONS L.L.C

Ref : SCC/412/Desarch/HG/LR02/2020

Date : 16th July 2020

M/s. Desarch Scaffolding

P.O. Box: 71957

Dubai, U.A.E

Tel: +971 4 3337012 | Fax: +971 4 3337154

Email : desarchscuffolding@gmail.com

Kind Attn : Mr. Vargish

Project : Proposed (G+1) Hypermarket & Showrooms for (Union Coop)
On Plot No. 4168148 At Nad Al Hammar, Dubai U.A.E.

**Subject : Status of Technical submittal for Water Tank & Pump
Room slab formwork Calculations**

Dear Sir,

With reference to the above mentioned project and subject, kindly find attached Status of
Technical submittal for Water Tank & Pump Room slab formwork Calculations

SN	Submittal Reference No.	Status
01	TEC/SC/UC/CIV/09 Rev 0	Approved As Noted

Therefore, you are requested to fully comply with the attached consultant comments.

This is for your information and further action.

Regards,
For Saleh Constructions

Hisham El Gharbawy
Project Manager

18/7/20



a member of
مجموعة صالح بن لاهر
SALEH BIN LAHER GROUP

ص.ب. 3741 دبي، الإمارات العربية المتحدة هاتف +971 4 705 9998 فاكس +971 4 2821818
P.O. Box 3741, Dubai, UAE. Tel. +971 4 705 9998, Fax +971 4 2821818
e-mail: info@salehc.ae



Client

تعاونية الاتحاد
UNION COOP

UNION CO-OPERATIVE SOCIETY

Consultant

دار العمـران
DAR AL OMRAN

Contractor

Ery Sahal
Jes
صالح للإنشاءات
SALEH CONSTRUCTIONS**TECHNICAL SUBMITTAL**

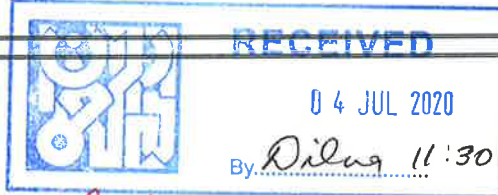
Client	M/s. Union Co-operative Society	Project	(G+1) Hypermarket & Showrooms
Consultant	M/s. DAR Al Omran Engineering Consultant	Submittal no.	TEC/SC/UC/CIV/09
Contractor	M/s. Saleh Construction LLC	Revision	00

Date: 04-07-2020

Sub Contractor		Prepared by	M/s. Saleh Construction llc
Arch.	Civil	√	Struct.
		√	Elect.
			Mech.
			Plumb.
			A.C

Water Tank & Pump Room Slab formwork Calculations (As Commented Vide Shop Drawing Ref: Union/SD/Civ/03 Rev 0)

Signed by Contractor		Date	4/7/2020
Received by Consultant		Date	

**Consultant Comments**

- Third Party certificate to be submitted with IR for Approval.
- Submit relevant IR for approval.
- Coordinate with approved drawings.

Reviewed By: OSAMA MUKHTAR
Date: 16.07.2020



Approved (A)	Approved as noted (B)	Resubmit (C)	Rejected (D)
Signed by Resident Engineer		Date	15.07.2020

This approval does not relieve the Contractor of his responsibility of compliance with all Requirements of the Contract Documents



SHOP DRAWINGS SUBMITTAL

Client	M/s. Union Co-operative Society	Project	Proposed (G+1) Hypermarket & Showrooms
Consultant	M/s. DAR Al Omran Engineering Consultant	Submittal no.	UNION/SD/CIV/03
Contractor	M/s. Saleh Construction LLC	Revision	00

Sub Contractor	M/s. Desarch building Contracting LLC	Drawing Prepared by	M/s. Desarch building Contracting LLC
Date of Submission (Planned)		Date of Submission (Actual) 14-06-2020	
Arch.	Civil	Struct.	Elect.
	✓	✓	
		Mech.	Plumb.
			A.C

Shop drawing submittal for water tank slab formworks			
Signed by Contractor	<i>[Signature]</i>	Date	14-06-2020
Received by Consultant	<i>[Signature]</i>	Date	

Consultant Comments

No objection for the scaffolding
Scaffolding calculations to be submitted for approval. before
the starting site works
fixing details.
-Note: Water tank wall shutter
fixing works details should
be submitted for our review.

Reviewed By: Osama Mukthar
 Date: 24/06/20

Approved (A)	Approved as noted (B)	Resubmit (C)	Rejected (D)
Signed by Resident Engineer	Eng. Alister Akbarov	Date	29.06.20

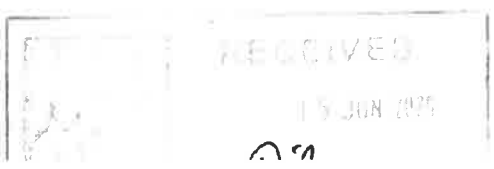
Client Comments:

Noted!

01 JUL 2020
 SITE - *[Signature]*
RECEIVED

Approved (A)	Approved as noted (B)	Resubmit (C)	Rejected (D)
Signed by Client	<i>[Signature]</i>	Date	30/06/2020

This approval does not relieve the Contractor of his responsibility of compliance with all Requirements of the Contract Documents



Project: PROPOSED G+1 UNION COOPERATIVE
PLOT NO. 4188148 AT NADD AL HAMAR, DUBAI, UAE

Client: M/s. UNION CO-OPERATIVE SOCIETY

Consultant: DAR AL OMRAN ENGINEERING CONSULTANT

Contractor: SALEH CONSTRUCTIONS L.L.C.

Area: PUMP ROOM AND WATER TANK TOP SLAB

SLAB FORMWORK CALCULATIONS

Slab Loads

Slab Depth	= 300 mm (maximum)
Concrete Load	= 25 KN/m ³
Live Load	= 1.5 KN/m ²
Formwork Load	= 0.5 KN/m ²
Slab Load per m ²	= 0.30 m x 25 KN/m ³ = 7.50 KN/m ²
Live Load per m ²	= 1.5 KN/m ²
Formwork Load per m ²	= 0.50 KN/m ²
Total Load per m ²	= 9.50 KN/m ²

Loads on Vertical (Standards)

Concrete weight per m ²	= 9.50 KN/m ²
Grids considered	= 1.8m x 1.6m (maximum) as per drawing.
Total weight on standards	= 9.50 x 1.8 x 1.6 = 27.36 KN < 40KN Safe. O.K.
Maximum allowable load on standards	= 4,000 KG (40 KN)

Ledger lifts 1.5m (max) c/c as per drawing to be maintained at site.
Standards are manufactured from 48.3 mm O.D steel tubes with different housing sets at certain intervals.
Standards are made available in open ended tubes of mild steel confirm to BS 5975.



Bracing Calculations

The design of bracing to horizontal resistance force required to be transmitted is specifies in BS 5975 "False work"

The code specifies a minimum lateral stability criteria equilent to the greater of either 2.5% of the vertical load in the standards acting horizontal forces from wind erection tolerances, non-vertical and concrete pressure of other forces acting as described in the Code.

Total Standard load is 27.36 KN

The safe working slip force of the coupler is = 6.25 KN

2.5% of the 23.76 KN = 0.684 KN

Number of legs one bracing can cover = 6.25/0.684 = 9.14

One brace is required for 9 legs. Safe O.K.

ALUMINUM BEAM DETAILS

Please see attachment...



TEST CERTIFICATE FOR ALUMINIUM EXTRUSION
MILL FINISH + SURFACE TREATMENT
3.1 INSPECTION CERTIFICATE AS PER DIN EN 10204:2004

SERIAL NO: **GE/QC/2017/TC 013**

DATE: **07th Jan 2017**

CUSTOMER	DESARCH BUILDING CONTRACTING L.L.C.										
GULFEX ORDER NO:	1720006	CUSTOMER PO / REF NO:	PO#4151	QUOTATION NO:	1615681						
ALUMINIUM EXTRUSIONS PRODUCED AS PER	BS EN 573-3:2013 – Aluminium Alloys (Extrusions) – Chemical Composition & Form of Wrought Products										
	BS EN 755-1:2008 – Aluminium Alloys (Extrusions) – Technical conditions for inspection and delivery										
	BS EN 755-2:2013 – Aluminium Alloys (Extrusions) – Mechanical Properties										
	BS EN 755-9:2016 – Aluminium Alloys (Extrusions) – Dimensional Tolerances										
	BS EN 12020-2:2008 – Aluminium Alloys (Extrusions) – Dimensional Tolerances										
	ASTM B221-2014 – Specification for Aluminum & Aluminum Alloys Extruded Bars, Rods, Profiles & Tubes										
	SASO Standards : 79/1998 – Aluminium Alloys (Extrusions)										
	QUALANOD SPECIFICATIONS (Anodized Aluminium Extrusions) (Edition 01.01.2017)										
	QUALICOAT SPECIFICATION (Powder Coated Aluminium Extrusions) (14 th Edition)										
PRODUCT	PROFILE NO. / SECTION NO.	ALLOY-TEMPER	FINISH	LENGTH (m)	QUANTITY (PCS)	DELIVERY NOTE NO.					
ALUMINIUM EXTRUSIONS	23526	AA 6082 – T6	MILL	3.000 4.000	300 680	1368251 1368122					
EXTRUSION		POWDER COATING		ANODIZING		CRIMPING					
DIMENSIONS	SURFACE	FILM THICKNESS (≥ 60 μm)	GLOSS (%)	FILM THICKNESS (μm)	SEAL TEST (μS)	SHEAR FORCE (KN)					
OK	OK	N/A	N/A	N/A	N/A	N/A					
CHEMICAL COMPOSITION (%)											
ALLOY: AA 6082	CAST NO:	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Ga	V
minimum	16322H11	0.70	0.00	0.00	0.40	0.60	0.00	0.00	0.00	-	-
maximum		1.30	0.50	0.10	1.00	1.20	0.20	0.10	0.15	-	-
actual		1.00	0.21	0.07	0.48	0.68	0.01	<0.01	0.014	0.01	-
MECHANICAL TESTING											
WALL THICKNESS t (mm)	TEMPER: T6	UTS R_m (MPa)	YS R_{p0.2} (MPa)	ELONGATION A (%)	FORCE @ PEAK (N)	HBW Typical Value					
t ≤ 5	minimum	290	250	8	-	95					
	maximum	-	-	-	-	-					
	actual	318	298	11	13891	98 - 99					

OBSERVATIONS:

- We hereby confirm that the above products are from Aluminium Extrusions.
- We hereby confirm that the above mentioned material fulfills the requirements as per specified international standards and as per customer requirements.
- Billets used in the extrusion are 100 % ultrasonic inspected at billet supplier's end.

Issued by : **QSEL DEPARTMENT**

1/8/2017 5:51:54 PM

For **GULF EXTRUSIONS Co. L.L.C**

CONCRETE THICKNESS = 300 MM, 350 MM, 400 MM, 450 MM, 500 MM, 550MM

Alum Profile = 3.364 kg/m (GE-10949)

Mass = 24.5 kN/m³

I_x = 390.395 cm⁴

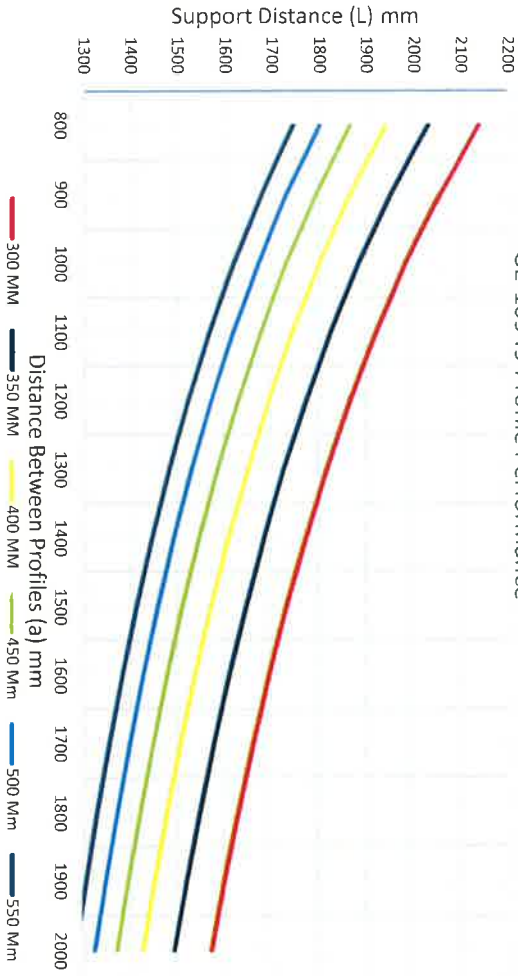
W_x = 51.067 cm³

Moment Capacity = 6.809 kN m

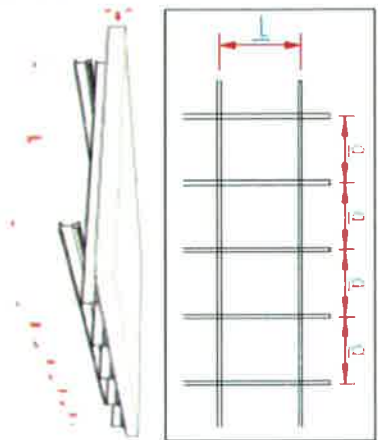
Table (L) for deflection less than L/360

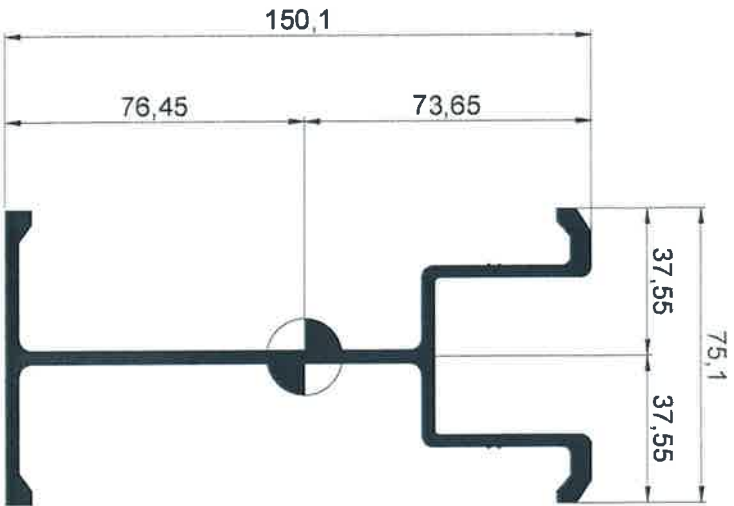
Slab/MSa	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
300 MM	2137	2055	1983	1921	1866	1816	1772	1731	1694	1660	1629	1599	1572
350 MM	2030	1951	1884	1824	1772	1725	1683	1644	1609	1577	1547	1519	1493
400 MM	1941	1866	1801	1745	1694	1649	1609	1572	1539	1508	1479	1452	1428
450 MM	1866	1794	1731	1677	1629	1586	1547	1511	1479	1449	1422	1396	1372
500 MM	1801	1731	1671	1619	1572	1531	1493	1459	1428	1399	1372	1347	1324
550 MM	1745	1677	1619	1568	1523	1482	1446	1413	1383	1355	1329	1305	1283
Limit	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160

GE-10949 Profile Performance



Concrete Thickness (t)





GE-10949

Area:	1245.8535
Perimeter:	675.0949
Bounding box:	X: -37.5500 -- 37.5500 Y: -76.4528 -- 73.6472
Centroid:	X: 0.0000 Y: 0.0000
Moments of inertia:	X: 3898756.2217 Y: 473270.6658
Product of inertia:	XY: 0.0000
Radii of gyration:	X: 55.9409 Y: 19.4904
Principal moments and X-Y directions about centroid:	I: 3898756.2217 along [1.0000 0.0000] J: 473270.6658 along [0.0000 1.0000]

SHOP DRAWINGS SUBMITTAL

Client	M/s. Union Co-operative Society	Project	Proposed (G+1) Hypermarket & Showrooms
Consultant	M/s. DAR Al Omran Engineering Consultant	Submittal no.	UNION/SD/CIV/03
Contractor	M/s. Saleh Construction LLC	Revision	00

Sub Contractor	M/s. Desarch building Contracting LLC	Drawing Prepared by	M/s. Desarch building Contracting LLC
Date of Submission (Planned)		Date of Submission (Actual)	
Arch.	Civil	Struct.	A.C

Shop drawing submittal for water tank slab formworks

Signed by Contractor	<i>[Signature]</i>	Date	14-06-2020
Received by Consultant	<i>[Signature]</i>	Date	

Consultant Comments

No objection for the scaffolding
Scaffolding calculations to be submitted for approval. before
the starting site works
fixing details.
Note: Water tank wall shutter
fixing works details should
be submitted for our review.

Reviewed By: Osama Mukthar
 Date: 24/06/20

Approved (A)	Approved as noted (B)	Resubmit (C)	Rejected (D)
Signed by Resident Engineer	Eng. Alister Akbarov	Date	29.06.20

Client Comments:

Noted!



Approved (A)	Approved as noted (B)	Resubmit (C)	Rejected (D)
Signed by Client		Date	30/06/2020

This approval does not relieve the Contractor of his responsibility of compliance with all Requirements of the Contract Documents



Client



Consultant



Contractor



REQUEST FOR SUB-CONTRACTOR APPROVAL

Client	M/s. Union Co-operative Society	Project	Proposed (G+1) Hypermarket
Consultant	M/s. DAR Al Omran Engineering Consultant	Submittal No..	UNION/SUB/CIV/07
Contractor	M/s. Saleh Construction LLC	Revision	00

Date: 25/06/2020

Work to be Sub-Contracted	Slab Form Work Supplier		
Name of Sub-Contractor	M/s. Desarch Building Contracting LLC		
ACTIVITY OF SUB - CONTRACTOR			
ASSEMBLY & ERCTION		INSTALLATION	
SHOP DRAWINGS	√	EXECUTION	
		MATERIAL SUPPLY	√
		TESTING	
		FABRICATION	
		OTHER	
SIGNED BY CONTRACTOR			DATE
RECEIVED BY CONSULTANT			DATE

CONSULTANT COMMENTS

SUB/CIV/07-R0 Ms Desarch Building Contracting LLC – prequalification docs submittal for the project Cup Lock Scaffolding supply and fixing works subcontractor

No objection for the proposed Ms Desarch Building Contracting LLC as a project Cup Lock Scaffolding supply and fixing works subcontractor with the trade license No: 539227 (Dubai) since 03.11.2002 (18 years) and has permission for the conducting Building & Scaffolding Contracting work activities (see Trade License details) Project Shutters fixing & Formworks specified in project Specifications 03100 Concrete Formworks, Division 3-Concrete and related Specs 03300 Cast in Place Concrete works, should comply ACI 301, ACI 318, ACI 347 regulations

All project Civil / Structural / MEP services located should be clarified & coordinated with the Scaffolding system, Shutters, Roofs Slab Support Systems fixing before the starting actual site works and should strictly comply with the project's assigned QHSE procedure and DM Municipality / RTA / DCD / Union Coop building guidelines & Engineering Code requirements. Only approved Scaffolding and Shutters systems can be used at site. The Contractor is responsible for the overall works compliance with the approved Scaffolding system, Shutters, Roofs & Support System details, with the project design, DM Municipality / RTA / DCD / Union Coop building regulations & design guidelines / engineering code requirements, materials application and design spec requirements

Review status: Approved with Comments / Subject to the compliance with the review comments

APPROVED (A)	APPROVED AS NOTED (B)	RESUBMIT (C)	REJECTED (D)
	√		
Signed by Resident Engineer. ALISTER AKBAROV			Date: 29.06.2020
Client Comments:			
Noted ✓			
APPROVED (A)	APPROVED AS NOTED (B)	RESUBMIT (C)	REJECTED (D)
			10/10



Signed by Client		Date	25/06/2020
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Final approval subject to the Union Coop Engineering team's review recommendation

This approval does not relieve the Contractor of his responsibility of compliance with all Requirements of the Contract Documents

SUPPLIER SUBMITTAL

Consultant: BH. NS Engineering Consultants 	Client: M/s QANAWAT FZ LLC 	Main Contractor:  ARIFCO BUILDING CONTRACTING عارفكو للمقاولات البناء To: 04-3228938, Fax: 34-3228800, P.O. Box: 33225, Dubai - U.A.E. Email: info@arifco.ae, www.arifco.ae
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Project: PROPOSED QANAWAT H.Q (G+4+R) ON PLOT NO. 6757728 AT DUBAI STUDIO CITY

SUPPLIER	SERIAL NO.	REVISION	DISCIPLINE
M/s DESARCH SCAFFOLDING	ABC-S105-SS-04	0	

<input type="checkbox"/> SAMPLE	<input type="checkbox"/> TECHNICAL DATA	<input type="checkbox"/> TEST RESULT
<input checked="" type="checkbox"/> FOR APPROVAL	<input type="checkbox"/> FOR INFORMATION	

MANUFACTURER/BRAND:	
SUPPLIER:	M/s DESARCH SCAFFOLDING
DESCRIPTION:	PRE-QUALIFICATION FOR SCAFFOLDING WORK
NOTES	1-SETS HARD COPY & BROCHERE

LOCATION TO BE USED: SUB-STRUCTURE & SUPER -STRUCTURE


Comments:

Specs.ref.No.

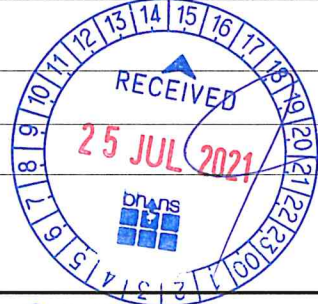
Date of Submission: 25.07.2021

ENGR. IMRAN KHAN
PROJECT MANAGER




BHNS Response:

Code 1 <input type="checkbox"/> Approved Code 2 <input checked="" type="checkbox"/> Approved with comments Code 3 <input type="checkbox"/> Not approved Code R <input type="checkbox"/> Resubmit	<p><i>No objection for M/s DESARCH as scaffolding contractor subject to shop drawing approval by consultant</i></p> <p><i>2-subject to third party certificate for third party inspection for each slab</i></p> <p><i>3-subject to site performance</i></p>
Comments:	
Date: 26/7/2021	Signature: 

Distribute to Staff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subcontractors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



SHOP DRAWING SUBMITTAL

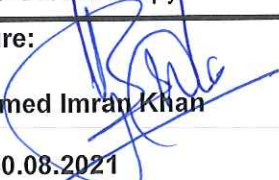

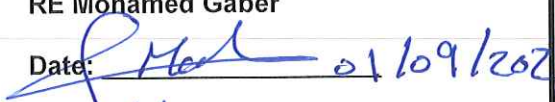
Consultant: BH. NS Engineering Consultants 	Client: M/s Qanawat FZ LLC 	Main Contractor : Arifco Building contracting 
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Project: PROPOSED QANAWAT HEAD QUARTER, DUBAI, UAE PLOT NO -6757728

Submittal No.: S105-SD-31

Shop Drawing No.	Rev	Doc. Type	Drawing Title	Status
DBC/B/2021/2800	0	A3	CW1, CW2 & CW3 Wall Shuttering Layout & Section for 1 st & 2 nd Floor	
DBC/B/2021/2801	0	A3	Column Shutter Layout & Section for 1 st & 2 nd Floor	

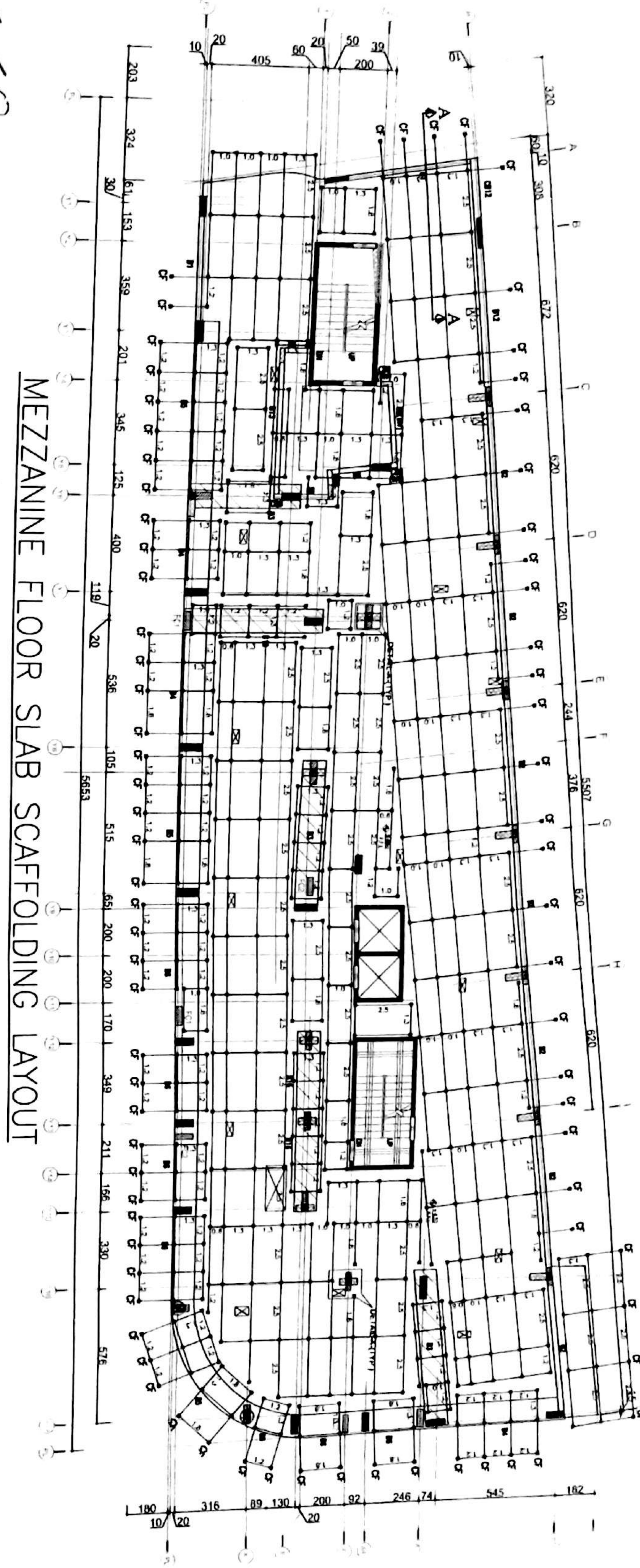
Note : 1-Set hard copy

Signature:  Mohammed Imran Khan Date: 30.08.2021		BH.NS/RE Signature: RE Mohamed Gaber Date:  01/09/2021
---	---	---

*approved subject to site conditions
IR to be submitted before casting*

Code 1. Approved
 Code 2. Approved with Comments
 Code 3. Not Approved
 Code R. Resubmit

Distribute to				
Staff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subcontractors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



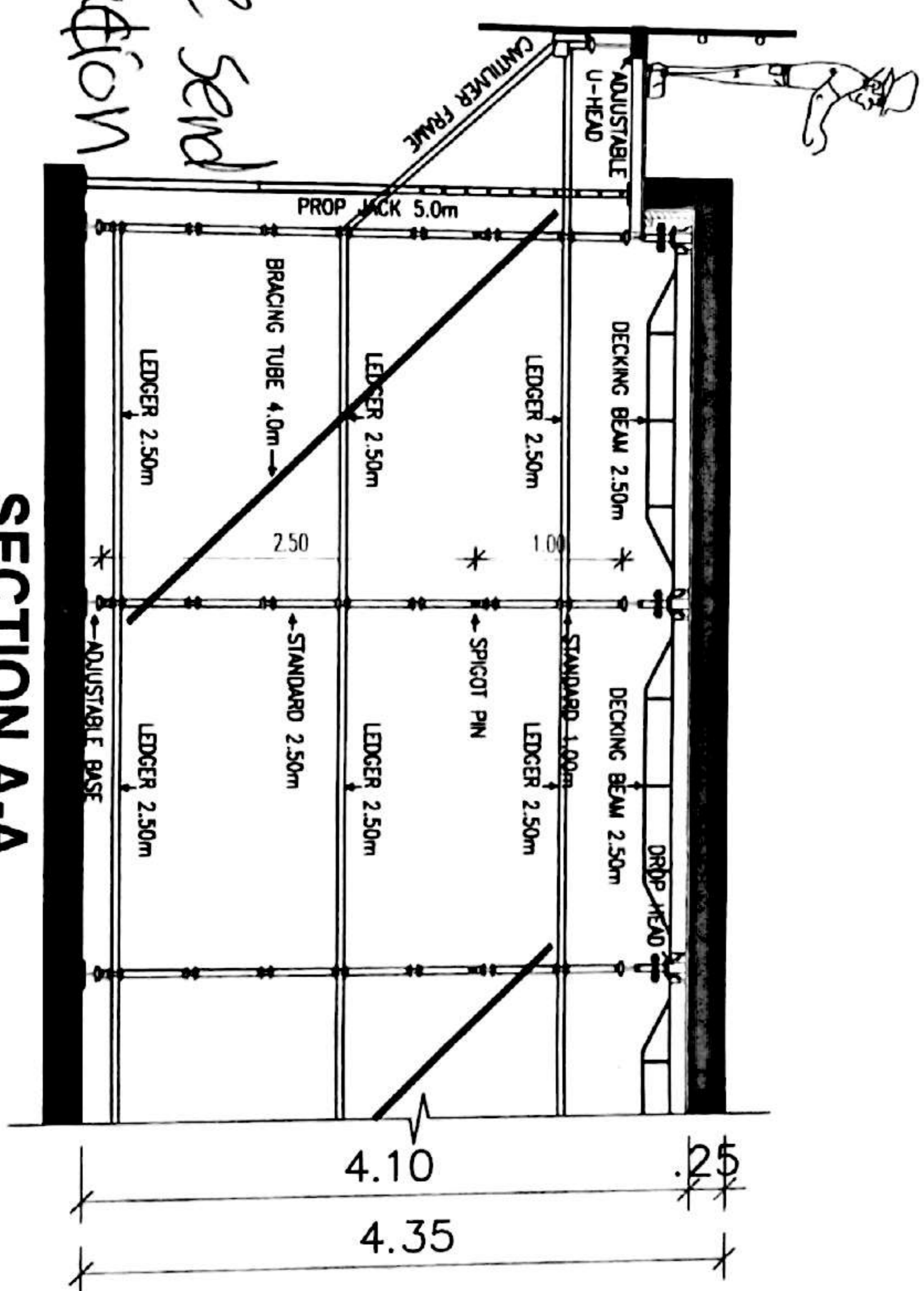
MEZZANINE FLOOR SLAB SCAFFOLDING LAYOUT

S 58
 Her ALANZ
 Approved

deyaa

Please send
 Quotation

SECTION A-A



- GENERAL:**
1. THIS DRAWING IS NOT TO BE SCALED. ONLY THE WRITTEN DIMENSIONS TO BE FOLLOWED.
 2. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF DA BEFORE COMMENCEMENT OF CONCRETING.
 3. SCAFFOLDING FOR MAKE-UP AREAS BY PROPS BY CONTRACTOR
 4. ALL DIMENSIONS AND LEVELS ARE IN METERS UNLESS OTHERWISE NOTED.

CONTRACTOR
ROTANA CONTRACTING LLC

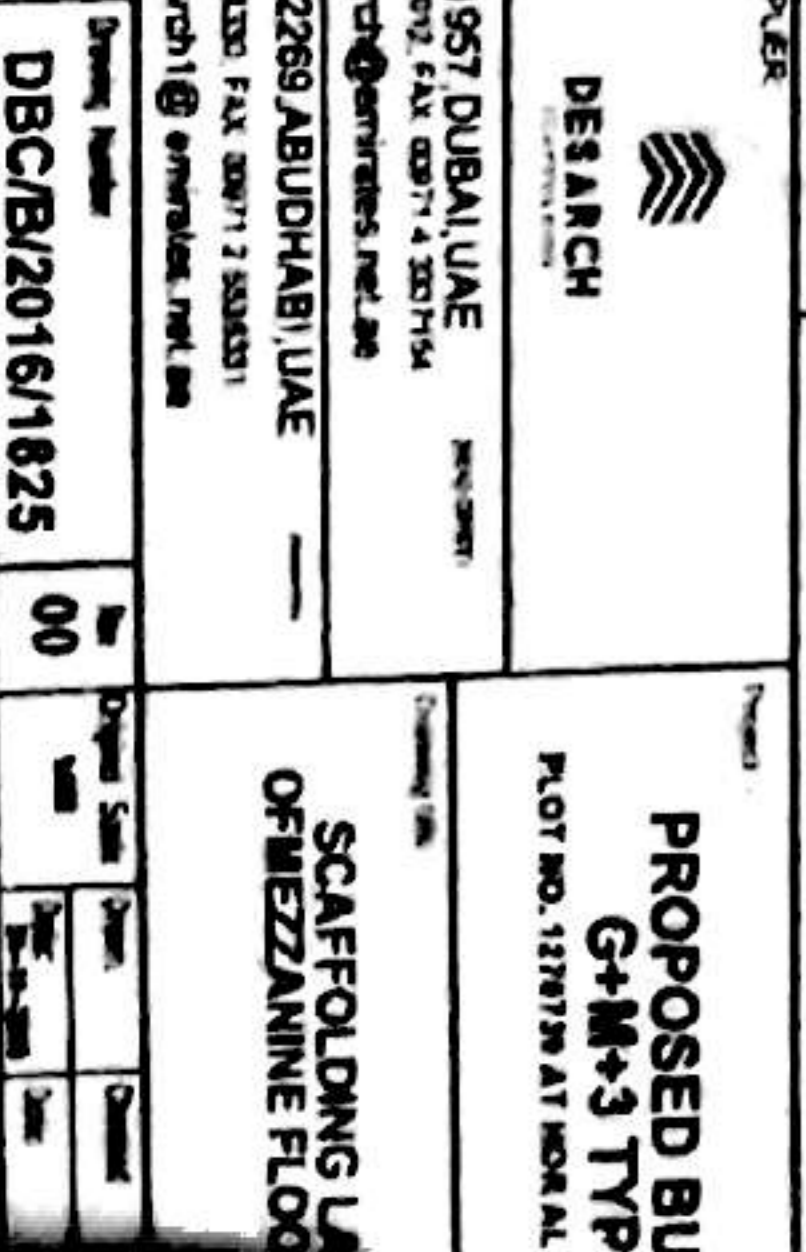
CONSULTANT
ادبيتيس عتاج سافاريني
 ENG. ADNAN SAFFARINI
 DESIGN SUPERVISOR & CONSULTANT
 HEAD OFFICE: P.O. BOX 40289, AL-DIBRA, ABU DHABI, U.A.E.
 BRANCH OFFICE: P.O. BOX 10000, RAS AL-KHAYMA, U.A.E.

SCAFFOLDING SUPERVISOR
DESARCH
 P.O. BOX 71957 DUBAI UAE
 Tel: 04 361 1234 Fax: 04 361 1234
 E-mail: desarch@desarch.com
 P.O. BOX 92269 ABU DHABI UAE
 Tel: 02 73 73 000 Fax: 02 73 73 000
 E-mail: desarch1@desarch.com

PROPOSED BUILDING
G+M+3 TYP.
 PLOT NO. 121718 AT MORN AL AIYUN

SCAFFOLDING LAYOUT
MEZZANINE FLOOR

Project Number: **DBC/2016/1625**





COMMERCIAL & RESIDENTIAL BUILDING (B+G+2+R)
For: Mr. Khalid Sulaiman
Mohammad Sulaiman
On Plot No. 332-1486, Jumeirah 1st, Dubai, U.A.E.



ART-2015-13

SHOP DRAWINGS SUBMITTAL

Ref# P113.TEC.SD.CIV.007

REV No.02

Discipline: Civil/Structural Architectural Electrical
 Mechanical Plumbing Others

To: M/s. ART Consultants: Retaining Wall Stages of Casting and Core Walls Formwork.

S. #	Drawing No.	Rev.	Title	Remarks
	DBC/B/2016/1618	2	Timber Layout of First Floor Slab	First Floor Plan Timber Layout
	DBC/B/2016/1618A	2	Scaffolding Layout of First Floor Slab	
	DBC/B/2016/1618B	2	Section Layout of First Floor Slab	

We hereby confirm that the undersigned have reviewed the drawings. Approval required by:

Submitted By: Eng. Saber Hussain Signature: [Signature] Date: 04-Sep-2016

ART CONSULTANTS COMMENTS:

- Approved
- Approved with Comments
- Not Approved, Resubmit

Comments:

① Bracing for the cantilever Form is Required
 ② follow the Requirements of Extra Bracing in the Attached Drawing
 ③ Third party inspection & Third party Report is Required prior to DM inspection

Checked by: [Signature]

Stamp & Signature: [Signature]

Date: 4/9/16

Note: ART Comments shall not be considered as a reason of claim of any type unless it is issued via E.I. The contractor should seek an E.I. if he considers that ART comments contains financial or time impact.





**COMMERCIAL & RESIDENTIAL
BUILDING (B+G+2+R)**
For: Mr. Khalid Sulaiman
Mohammad Sulaiman
On Plot No. 332-1486, Jumeirah 1st,
Dubai, U.A.E.



أرت للاستشارات
استشاريون في العمارة والهندسة
ART CONSULTANTS
CONSULTING ARCHITECTS & ENGINEERS

ART-2015-13

SHOP DRAWINGS SUBMITTAL

Ref# P113.TEC.SD.CIV.007

REV No. 01

Discipline: Civil/Structural Architectural Electrical
 Mechanical Plumbing Others

To: M/s. ART Consultants: Retaining Wall Stages of Casting and Core Walls Formwork.

S. #	Drawing No.	Rev.	Title	Remarks
	DBC/B/2016/1618		Timber Layout of First Floor Slab	First Floor Plan Timber Layout 7.2 <i>Not Review</i>
	DBC/B/2016/1618A		Scaffolding Layout of First Floor Slab	
	DBC/B/2016/1618B		Section Layout of First Floor Slab	

RECEIVED	DATE	BY	INFO	COORD
	02/08/2016			
PM				
CM/PE				
EO				
MEP				
Pl. Eng				
Proj. Coord				
QA/QC				
CS				
Survey				
Site Eng				
Store				
Team Eng				
Subcontract				

We hereby confirm that the undersigned have reviewed the drawings.

Approval required by:

Submitted By:

Eng. Moataz Al Hawary

Signature:

Date: 02-Aug-2016

ART CONSULTANTS COMMENTS:

- Approved
- Approved with Comments
- Not Approved, Resubmit

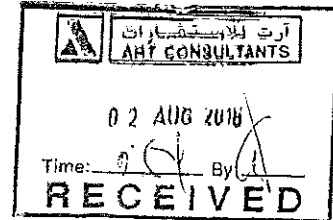
Comments:

Follow comments in the attached days

Checked by:

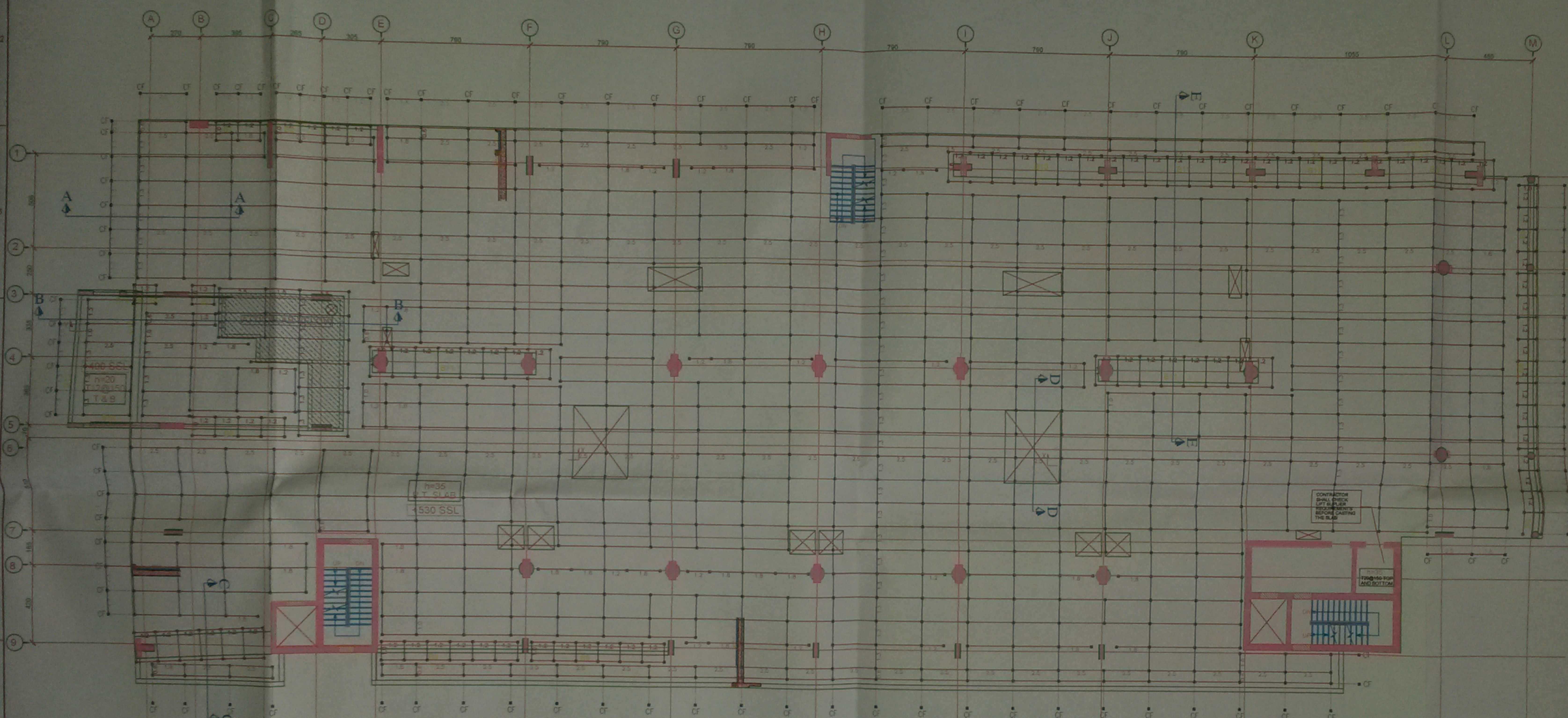
Stamp & Signature:

Date:



Note: ART Comments shall not be considered as a reason of claim of any type unless it is issued via E.I. The contractor should seek an E.I. if he considers that ART comments contains financial or time impact.

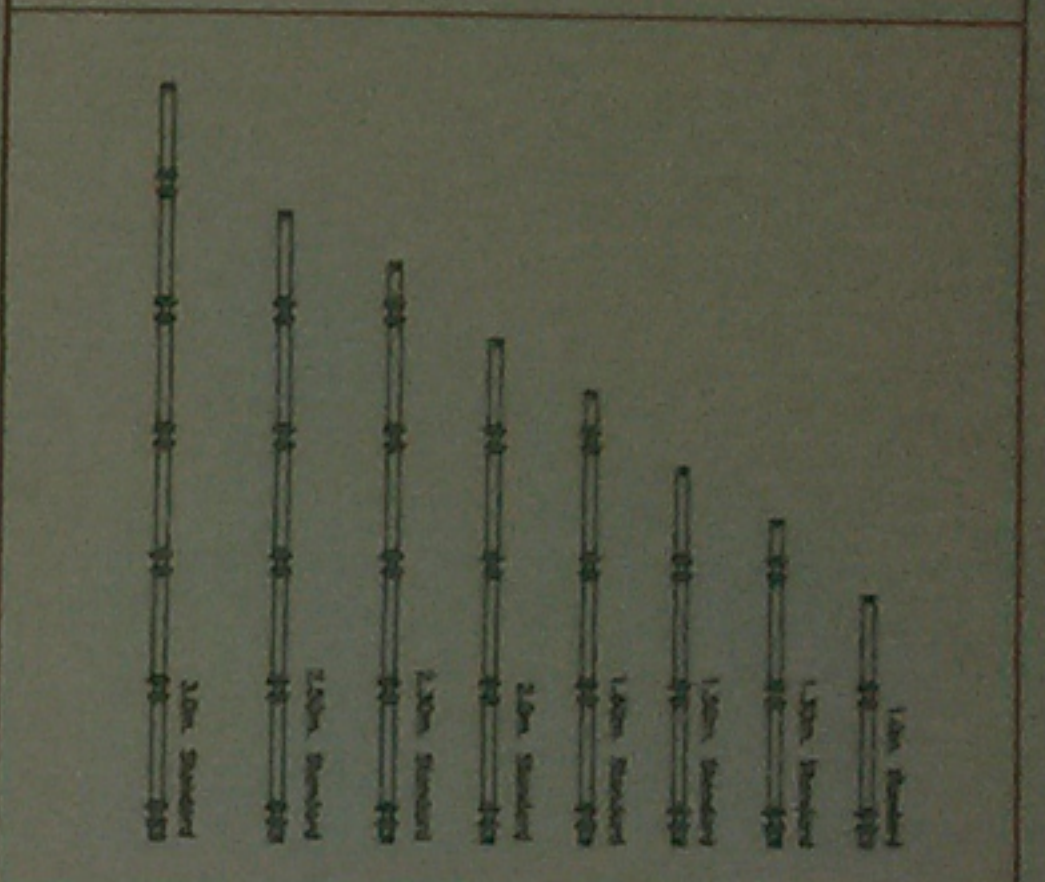
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FIRST FLOOR TIMBER LAYOUT

LEGEND:

H20 TIMBER	
H20 TIMBER BEAM 2.00m	
H20 TIMBER BEAM 2.45m	
H20 TIMBER BEAM 2.90m	
H20 TIMBER BEAM 3.30m	
H20 TIMBER BEAM 3.80m	
H20 TIMBER BEAM 3.90m	
H20 TIMBER BEAM 4.50m	
H20 TIMBER BEAM 4.90m	



STANDARD TUBES	
2.50M DECKING BEAM	LEDGER
1.80M DECKING BEAM	LEDGER
1.30M DECKING BEAM	LEDGER
1.70M INFILL BEAM	1.80M LEDGER
1.50M INFILL BEAM	1.80M LEDGER
1.20M INFILL BEAM	1.30M LEDGER
1.10M INFILL BEAM	1.20M LEDGER
0.90M INFILL BEAM	1.0M LEDGER
0.80M INFILL BEAM	0.80M LEDGER
0.50M INFILL BEAM	0.40M LEDGER

INFILL BEAMS & LEDGERS	

Rev	Description	Date	Checked	Authorized

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- ALL DIMENSIONS AND LEVELS ARE IN METERS UNLESS OTHERWISE NOTED.

MAIN CONTRACTOR



عبر الإمارات للمقاولات
Transemirates
CONTRACTING

Tel: 04-2825844 Fax: 04-2868877 P.O. Box 3253 DUBAI
E-mail: <info@tec-uae.com>

CONSULTANT



آرت للاستشارات
استشاريون في العمارة والهندسة
ART CONSULTANTS
CONSULTING ARCHITECTS & ENGINEERS

Tel: 04 - 2827760 / Fax: 04 - 2827768 / P.O. Box: 4360
E-mail: artcon@emirates.net.ae

SCAFFOLDING SUPPLIER



DESARCH

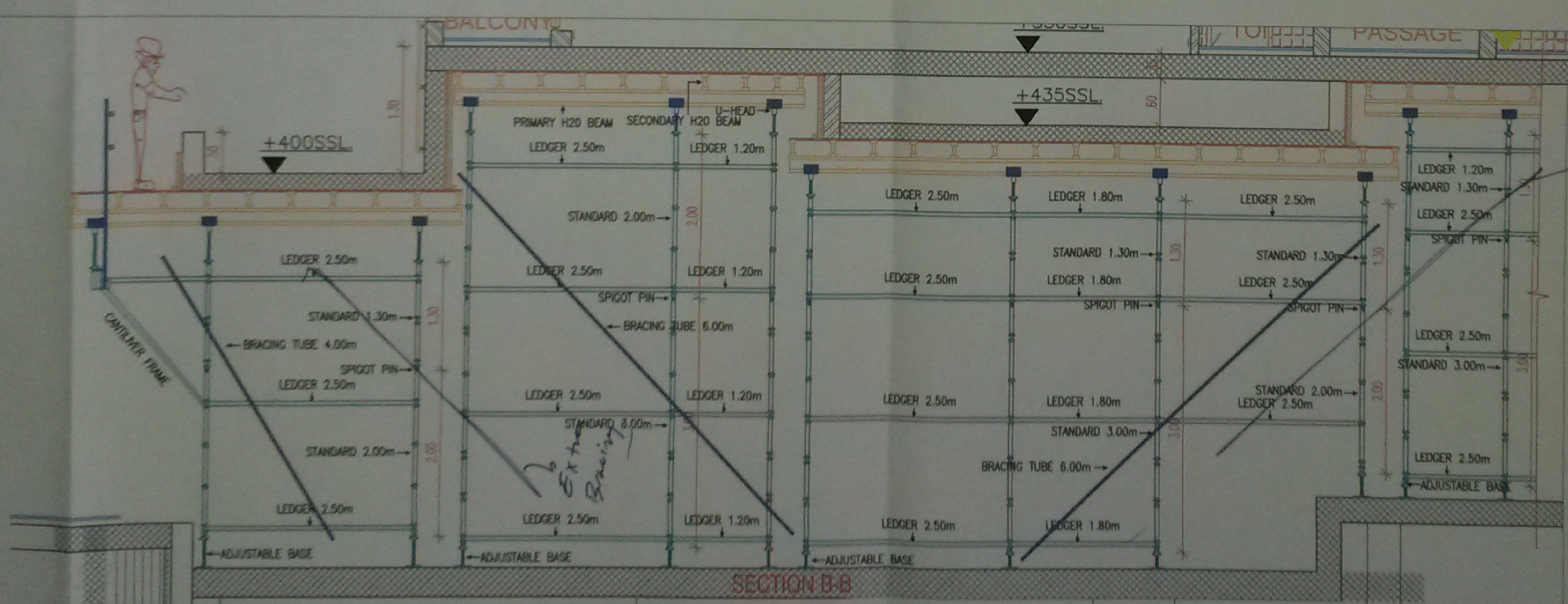
P.O. BOX 71957 DUBAI UAE
PH: 02971 4 3337012 FAX: 02971 4 3337154
E-mail: desarch@emirates.net.ae

P.O. BOX 92289, ABU DHABI, UAE
PH: 02971 2 8338205 FAX: 02971 2 8338371
E-mail: desarch1@emirates.net.ae

PROPOSED COMMERCIAL AND RESIDENTIAL BUILDING (B+G+2+R)
PLOT NO. 3321486, JUMEIRAH 1st

SCAFFOLDING LAYOUT OF FIRST FLOOR SLAB

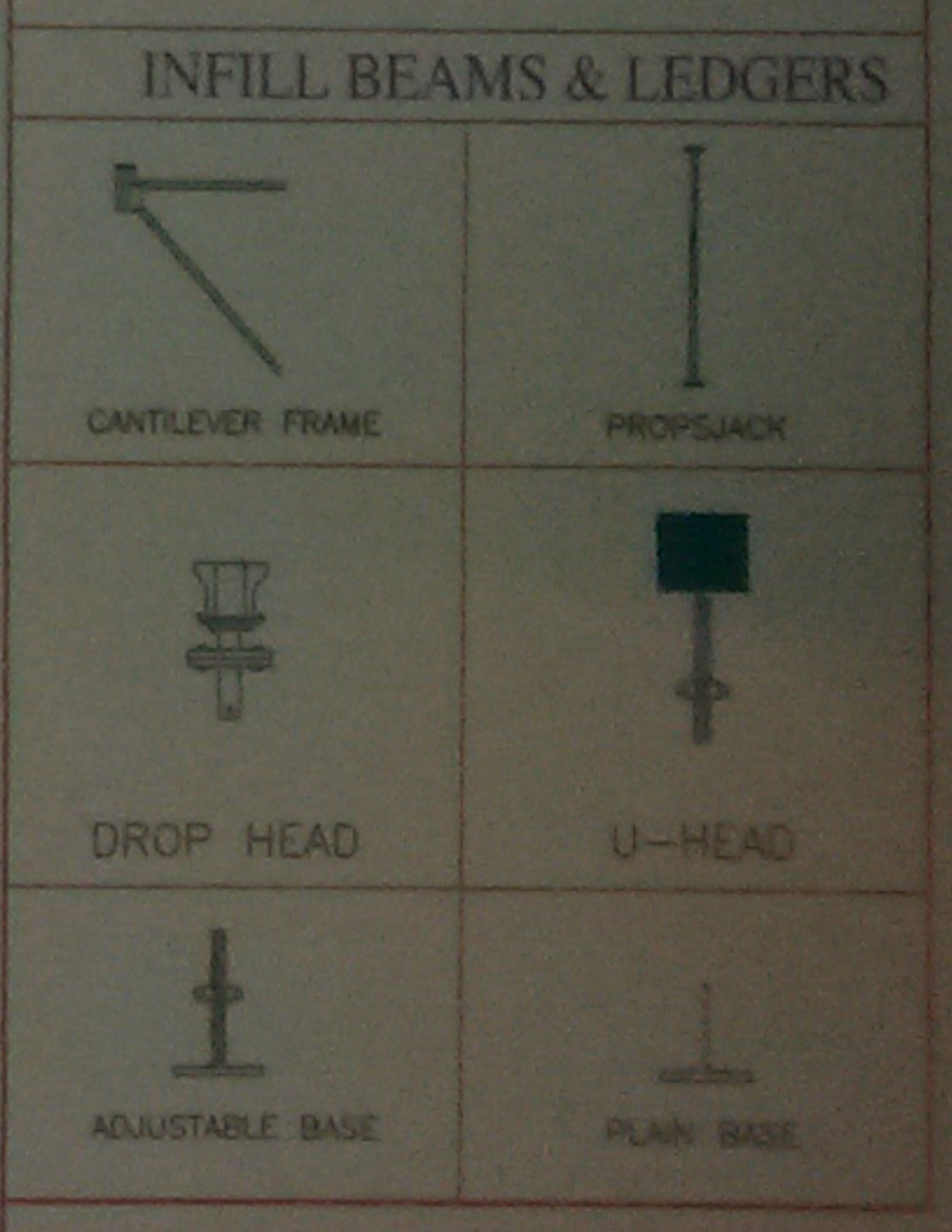
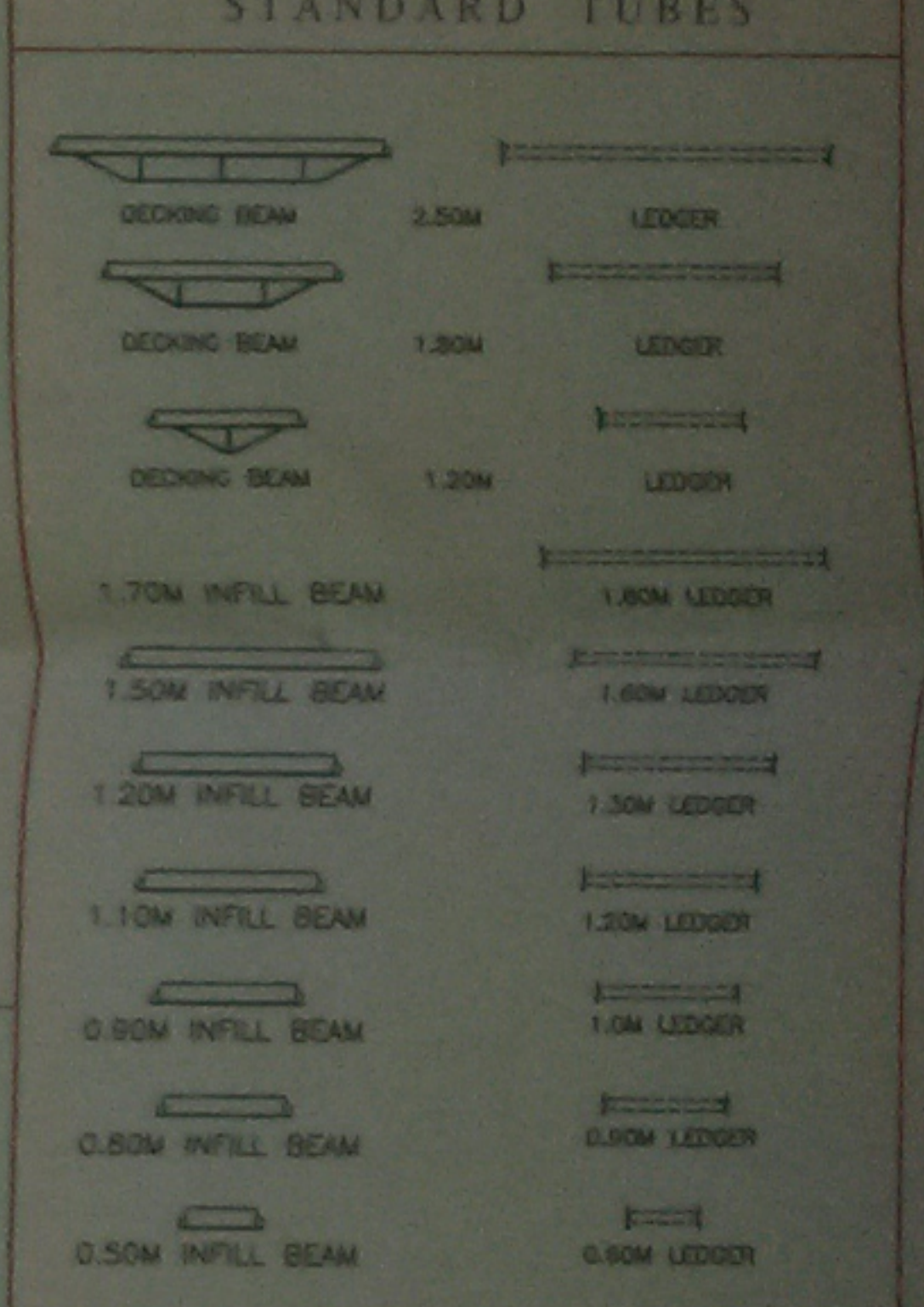
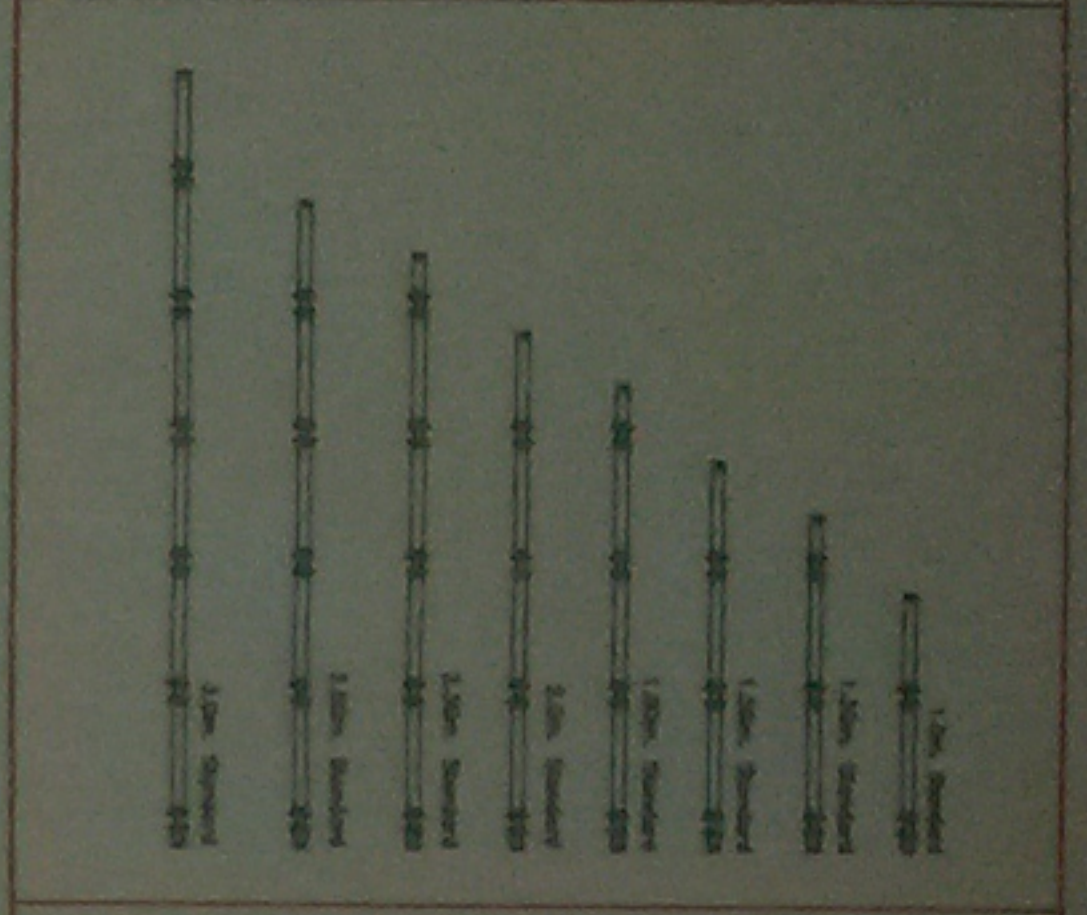
Project Number: DBC/B/2016/1618A 02



LEGEND:

H2O TIMBER

H2O TIMBER BEAM 2.00m	[Symbol]
H2O TIMBER BEAM 2.45m	[Symbol]
H2O TIMBER BEAM 2.90m	[Symbol]
H2O TIMBER BEAM 3.30m	[Symbol]
H2O TIMBER BEAM 3.60m	[Symbol]
H2O TIMBER BEAM 3.90m	[Symbol]
H2O TIMBER BEAM 4.50m	[Symbol]
H2O TIMBER BEAM 4.90m	[Symbol]



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MAIN CONTRACTOR:

Transemirates CONTRACTING

Tel: 04-2825844 Fax: 04-2868877 P.O. Box: 3253 DUBAI
E-mail: cinfo@tac-uae.com

CONSULTANT:

آرت للاستشارات
استشاريون في العمارة والهندسة
ART CONSULTANTS
CONSULTING ARCHITECTS & ENGINEERS

Tel: 04-2827760 / Fax: 04-2827766 / P.O. Box: 4360
E-mail: arcon@emirates.net.ae

SCAFFOLDING SUPPLIER:

DESARCH

P.O. BOX 71957, DUBAI, UAE
PH: 00971 4 3337012, FAX: 00971 4 3337154
E-mail: desarch@emirates.net.ae

P.O. BOX 92269, ABU DHABI, UAE
PH: 00971 2 8588330, FAX: 00971 2 8588331
E-mail: desarch1@emirates.net.ae

PROPOSED COMMERCIAL AND RESIDENTIAL BUILDING (B+G+2+R)

PLOT NO. 3321486, LUMINAH 196

SECTION LAYOUT OF FIRST FLOOR SLAB

Project No: DBC/B/2016/1618B 02

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL DIMENSIONS AND LEVELS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF DA BEFORE COMMENCEMENT OF CONCRETING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL DIMENSIONS AND LEVELS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF DA BEFORE COMMENCEMENT OF CONCRETING.

 <p>سي اتش سي لمقاولات البناء ش.ذ.م.م CHC Building Contracting L.L.C</p>	<p>PROPOSED RESIDENTIAL BUILDING (B+G+4) For: KHALED AHMED QASSEM AL Khatib (NAFFCO) Plot No. (681-1011) @ Al Barsha South 4th, Dubai, U.A.E.</p>	 <p>آرت للاستشارات استشاريون في العمارة والهندسة ART CONSULTANTS CONSULTING ARCHITECTS & ENGINEERS</p>
---	---	---

Project No. ART-2015-05

<p>SUPPLIER / SUBCON PRE-QUALIFICATION</p>	<p>REF No: SC-04/J-170</p>	<p>REV No:</p>
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To M/S ART Consultants:

Please review our technical submittal

<p>Discipline:</p>	<input checked="" type="checkbox"/> Civil/Structural <input type="checkbox"/> Mechanical	<input checked="" type="checkbox"/> Architectural <input type="checkbox"/> Plumbing	<input type="checkbox"/> Electrical <input type="checkbox"/> Others
<p>Type of Submittal:</p>	<input type="checkbox"/> Test	<input checked="" type="checkbox"/> Pre-Qualification	<input type="checkbox"/> Calculations
<p>Purpose Of Submittal:</p>	<input checked="" type="checkbox"/> For Approval	<input type="checkbox"/> For Information	

Details Of Submittal: SCAFFOLDING

<p>Manufacturer/SUBCON:</p>	<p>M/s DESARCH Building Contracting LLC</p>
<p>Description:</p>	<p>Scaffolding Works</p>
<p>Report No.:</p>	<p>-</p>
<p>Location:</p>	<p>-</p>
<p>Specification Ref. No.:</p>	<p></p>

<p>Approval Required by:</p>		
<p>CHC Building Contracting LLC</p>	 <p>Signature: <i>[Handwritten Signature]</i></p>	<p>06-Mar-18</p> <p>Date:</p>

ART CONSULTANTS COMMENTS:

- Approved
- Approved with Comments
- Not Approved, Re-submit



Comments:

No objection for M/s Desarch to carry scaffolding works subject to satisfactory performance at site.

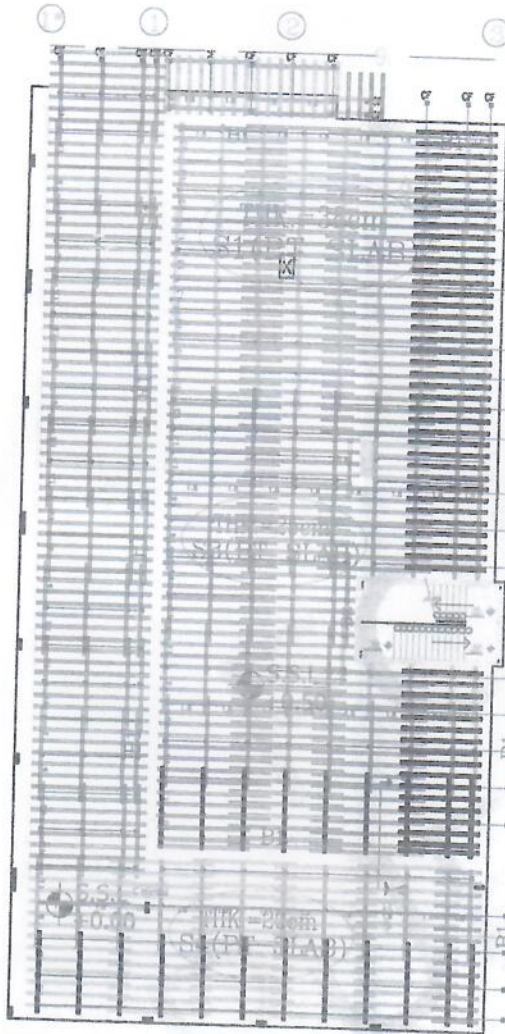
Submit scaffolding shop drawing with design calculation for engineer approval prior to proceed.

Safety certificate shall be obtained from scaffolding contractor prior to proceed.

Safety Tag shall be placed on the scaffolding or it will be rejected.

Stamp & Signature: *Rami Zark*  Date: *8/03/2018*

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GROUND FLOOR SLAB ALUMINUM BEAM LAYOUT
BLOCK-A



GROUND FLOOR SLAB SCAFFOLDING LAYOUT
BLOCK-A

N. Ahmad
Engr. Nadeem
OK Jone

Rev	Description	Date	Checked	Authorized

Purpose of issue	Rev	Date	Authorized

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CONTRACTOR:

Three Stars Bldg
Tel: 06-5636688
Fax: 06-5632288

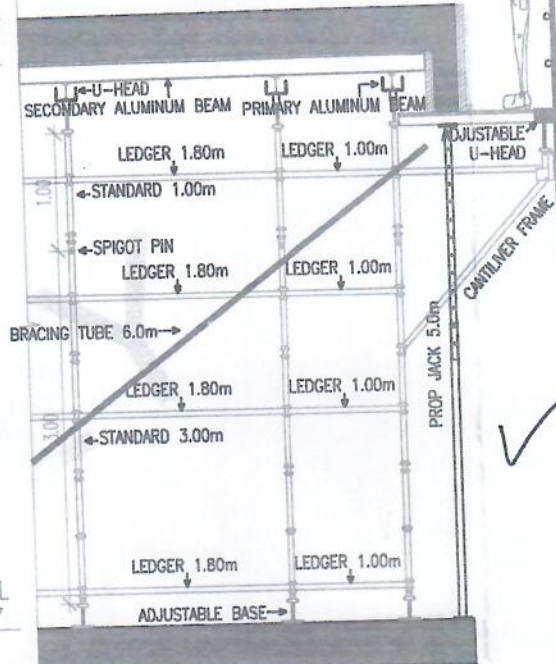
+0.50 SSL

38

5.20

4.82

-4.70 SSL



SECTION A-A.

+0.00 SSL

25

4.70

4.45

-4.70 SSL



SECTION B-B.

LEGEND:

ALUMINUM BEAM

ALUMINUM BEAM 2.00m		✓
ALUMINUM BEAM 2.50m		
ALUMINUM BEAM 3.00m		
ALUMINUM BEAM 3.50m		
ALUMINUM BEAM 4.00m		
ALUMINUM BEAM 4.50m		
ALUMINUM BEAM 5.00m		

	✓
--	---

STANDARD TUBES

DECKING BEAM 2.50M	LEDGER
DECKING BEAM 1.80M	LEDGER
DECKING BEAM 1.20M	LEDGER
1.70M INFILL BEAM	1.80M LEDGER
1.50M INFILL BEAM	1.60M LEDGER
1.20M INFILL BEAM	1.50M LEDGER
1.10M INFILL BEAM	1.20M LEDGER
0.90M INFILL BEAM	1.0M LEDGER
0.80M INFILL BEAM	0.90M LEDGER
0.50M INFILL BEAM	0.60M LEDGER

INFILL BEAMS & LEDGERS

	CANTILEVER FRAME
	PROP JACK
	DROP HEAD
	U-HEAD
	ADJUSTABLE BASE
	PLAIN BASE

Engi. Nadeem
N. Ahmad
DK
Dem

UT

L.L.C.

BARAKE
 engineering consultants
 شركة للاستشارات الهندسية ب.م.ع.

CONSULTANT:

SCAFFOLDING SUPPLIER:

DESARCH
 Scaffolding

P.O. BOX 71957, DUBAI, UAE
 Pst: 00971 4 3559715, FAX: 00971 4 35597154
 E-mail: desarch@emirates.net.ae
 P.O. BOX 92269, ABU DHABI, UAE
 Pst: 00971 2 6988900, FAX: 00971 2 6988931
 E-mail: desarch1@emirates.net.ae

AL SHOLA PVT. SCHOOL LLC
 (AMERICAN SCHOOL)
 ON PLOT NO. 0186 AT TALLAH 2,
 SHARJAH, UAE

SCAFFOLDING AND
 ALUMINUM BEAM LAYOUT
 FOR GROUND FLOOR SLAB
 (BLOCK-A)

Project Number	Drawing Number	Rev	Original Scale	Drawn	Checked	Authorized	Size
	DBC/B/2017/1873	00	1:100				A1

Date: 18-01-2017