STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S Meezan Developers
Lahore
(Construction of Jamia-Tur-Rasheed Lahore Campus.)

Reference # CED/TFL **5636** (Dr. Ali Ahmed) Dated: 09-09-2024
Reference of the request letter # Nil Dated: 09-09-2024

Tension Test Report (Page # 1/1)

Date of Test 11-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3	0.372	0.11	0.108	3700	4800	74200	75230	96200	97600	1.20	15.0	
2	0.368	3	0.371	0.11	0.108	3800	4900	76200	77390	98200	99800	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S New Shalimar Pipes
Lahore.

Reference # CED/TFL **5639** (Dr. Ali Ahmed) Dated: 09-09-2024
Reference of the request letter# NIL Dated: 09-09-2024

Tension Test Report (Page -1/1)

Date of Test 11-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.062	5/32	0.152	------	0.018	640	800	------	77950	------	97500	0.80	10.0	
2	0.063	5/32	0.153	------	0.018	740	880	------	88550	------	105300	0.90	11.3	
3	0.086	3/16	0.179	------	0.025	960	1080	------	83810	------	94300	0.90	11.3	
4	0.089	3/16	0.183	------	0.026	1040	1240	------	87430	------	104300	0.90	11.3	
5	0.160	1/4	0.244	------	0.047	1360	1640	------	63870	------	77100	1.40	17.5	
6	0.161	1/4	0.245	------	0.047	1800	2320	------	83950	------	108200	1.10	13.8	
7	0.373	3/8	0.374	0.11	0.110	3600	5300	72200	72360	106200	106600	0.90	11.3	
8	0.377	3/8	0.375	0.11	0.111	3700	5300	74200	73670	106200	105600	1.00	12.5	

Note: only eight samples for tensile and four samples for bend test

Bend Test
5/32" Dia Bar Bend Test Through 180º is Satisfactory
3/16" Dia Bar Bend Test Through 180º is Satisfactory
1/4" Dia Bar Bend Test Through 180º is Satisfactory
3/8" Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Procurement Manager
Q-Links Property Construction Pvt. Ltd.
Construction of Q-High Street.

Reference # CED/TFL **5640** (Dr. Ali Ahmed) Dated: 10-09-2024
Reference of the request letter # Qlinks07 Dated: 07-09-2024

Tension Test Report (Page -1/1)

Date of Test 11-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.361	3	0.368	0.11	0.106	3100	4900	62200	64390	98200	101800	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S Paidar Builders (Pvt) Ltd.
Lahore.
(Construction of Two Labs Room in Barackwala, Baseera, Muzaffargarh(Godar Chowk))
(Constriuction of TCF Vocational Room and Canteen, Ext. At Qasba Gujrat, Mahmood Kot Tehsil Kot Addu, District Muzaffargarh.)

Reference # CED/TFL **5641** (Dr. Ali Ahmed) Dated: 10-09-2024
Reference of the request letter # PBL/UET/2024 Dated: 06-09-2024

Tension Test Report (Page # 1/1)

Date of Test 11-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.372	3/8	0.373	0.11	0.109	3400	4900	68200	68490	98200	98700	1.10	13.8	Ittefaq Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only one sample for tensile and one sample for bend test

Bend Test

3/8" Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Design Manager
Stallion Steel Engineering Pvt. Ltd.
Pre-Fab Warehouse Shed-Al-Hilal Industries Multan.

Reference # CED/TFL **5642** (Dr. Ali Ahmed) Dated: 10-09-2024
Reference of the request letter # SE/MS/986/MT/01 Dated: 06-09-2024

Tension Test Report (Page – 1/1)

Date of Test 11-09-2024
Gauge length 2 inches
Description Flat Bar Steel Strip Tensile Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)		(mm)	(mm^2)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	Flat Bar	6	27.90x5.90	164.61	7300	9800	435	584	0.70	35.00	
2	Flat Bar	8	27.90x8.80	245.52	10300	13100	412	523	0.80	40.00	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test											
Bend Test											

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

XEN
Garrison Engineer (Army) - II
(CA No. ENC-A-20/2024 "Const of 1 x 64 Men SM Bk No. 2 (D/S) at Lhr Cantt")

Reference # CED/TFL **5643** (Dr. Ali Ahmed) Dated: 10-09-2024
Reference of the request letter # 600/3/148/E-6 Dated: 14-05-2024

Tension Test Report (Page # 1/1)

Date of Test 11-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.361	3/8	0.367	0.11	0.106	2900	4400	58200	60270	88200	91500	1.30	16.3	
2	0.372	3/8	0.373	0.11	0.109	3100	4600	62200	62410	92200	92700	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

3/8" Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

AGM,
Design & Construction Department-HO
City Schools (Pvt) Ltd.
Project: Iqbal Campus Sialkot Phase-II.

Reference # CED/TFL **5645** (Dr. Ali Ahmed) Dated: 10-09-2024
Reference of the request letter # TCS/D&C/HO/001/SKT/2029 Dated: 10-09-2024

Tension Test Report (Page # 1/1)

Date of Test 11-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.375	3	0.375	0.11	0.110	3300	5200	66200	65920	104200	103900	1.30	16.3	
2	0.374	3	0.374	0.11	0.110	3500	5400	70200	70100	108200	108200	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Senior Resident Engineer
HA Consulting
Construction of NSSTP Phase-03 at HQ CAC PAF Base, Lahore.

Reference # CED/TFL **5648** (Dr. Ali Ahmed) Dated: 11-09-2024
Reference of the request letter # 24/HAC/NASTP/1283 Dated: 10-09-2024

Tension Test Report (Page -1/1)

Date of Test 11-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.371	3	0.372	0.11	0.109	3300	4900	66200	66760	98200	99200	1.20	15.0	
2	0.374	3	0.374	0.11	0.110	3200	4900	64200	64170	98200	98300	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

Witness by Hafiz Arslan Ali (Assistant Resident Engineer HA Consulting)

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Haseeb Afzal
Project Manager
Residential House in Lahore.

Reference # CED/TFL **5649** (Dr. Ali Ahmed) Dated: 11-09-2024
Reference of the request letter # Nil Dated: 11-09-2024

Tension Test Report (Page -1/1)

Date of Test 11-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.375	3	0.375	0.11	0.110	3400	5100	68200	68010	102200	102100	1.00	12.5	
2	0.377	3	0.376	0.11	0.111	3400	4900	68200	67550	98200	97400	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

Witness by Mubashir Yaseen (Manager Corporate, Retail Sales, SJ Steel)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

QA/QC Manager
Future Developments Holdings (Pvt) Ltd.
Development of Capital Smart City
(Adventure Arena)

Reference # CED/TFL **5651** (Dr. Safeer Abbas) Dated: 11-09-2024
Reference of the request letter # FDHL/CSC/9/2024/321 Dated: 11-09-2024

Tension Test Report (Page – 1/1)

Date of Test 11-09-2024
Description Galvanized Steel Core Wire (Rope) Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**12**	**0.56**	**9300**	
2	**14**	**0.74**	**12800**	
3	**16**	**0.96**	**14700**	
-	-	-	-	
-	-	-	-	
Only three sample for Test				

I/C Testing Laboratoires
UET Lahore, Pakistan.

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3- Sealed sample / Unsealed sample / Marked sample/Signed Samples