

Q-Links Construction.

Test Performed By: Dr. /Engr. Asad Ali Gillani

Q-Links Property Management Pvt.Ltd Lhr.(Const of JGM,Bahria Town Lhr)

Client Reference: QCL-JGM-UET-2023-08-LTR-002

SOM Lab

Ref: 2746 (Page-1/1)

Dated: 26-08-2023

Dated: 26-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (SJ

Gauge Length: 8 inch

Sample Type: Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.549	8	0.977	0.79	0.749	23.26	31.57	64940	68500	88140	92960	1.60	8.0	20.0	
2	1.496	6	0.748	0.44	0.440	14.34	18.62	71890	71890	93350	93350	1.30	8.0	16.3	
3	0.667	4	0.500	0.20	0.196	6.83	8.94	75320	76850	98580	100600	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Saleem,G.M
Professional Const.Services Lahore.(Allied Bank DR Center Faisalabad)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: PCS/23/Eng 120

SOM Lab

Ref: 2747 (Page-1/3)

Dated: 28-08-2023

Dated: 28-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.680	4	0.505	0.20	0.200	7.51	9.50	82850	82850	104770	104770	1.00	8.00	12.5	
2	0.673	4	0.502	0.20	0.198	7.36	9.35	81160	81980	103080	104120	1.10	8.00	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Saleem,G.M
Professional Const.Services Lahore.(Allied Bank DR Center Faisalabad)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: PCS/23/Eng 121

SOM Lab

Ref: 2747 (Page-2/3)

Dated: 28-08-2023

Dated: 28-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.015	5	0.616	0.31	0.298	11.77	14.17	83760	87140	100810	104870	1.20	8.00	15.00	
2	1.015	5	0.616	0.31	0.298	11.49	13.97	81730	85030	99360	103360	1.10	8.00	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Saleem,G.M
Professional Const.Services Lahore.(Allied Bank DR Center Faisalabad)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: PCS/23/Eng 122

SOM Lab

Ref: 2747 (Page-3/3)

Dated: 28-08-2023

Dated: 28-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.528	6	0.756	0.44	0.449	18.96	24.13	95040	93130	120940	118520	1.40	8.0	17.5	
2	1.460	6	0.739	0.42	0.429	14.58	18.62	73070	74940	93350	95750	1.30	8.0	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Z.H. Kazmi

Test Performed By: Dr. /Engr. Asad Ali Gillani

Z.H.Kazmi & Associates.(Construction Of MCB Bank Ltd.Gohadpur Branch Gujranwala Region,0222)

Client Reference: Nil

SOM Lab

Ref: 2748 (Page-1/1)

Dated: 28-08-2023

Dated: 28-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.577	8	0.982	0.79	0.757	20.90	34.53	58340	60880	96390	100590	1.50	8.00	18.8	
2	1.509	6	0.751	0.44	0.443	13.25	20.76	66430	65980	104080	103380	1.20	8.00	15.0	
3	0.672	4	0.501	0.20	0.197	4.28	6.73	47210	47930	74190	75320	1.20	8.00	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Syed Mohsin Ali RE

Test Performed By: Dr. /Engr. Asad Ali Gillani

QA/QC Deptt. Bahria Town Lhr. (Disposal Station at Overseas "C" Enclave Bahria Town)

Client Reference: QA/QC/Steel-3287

SOM Lab

Ref: 2749 (Page-1/1)

Dated: 23-08-2023

Dated: 28-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.53 2	6	0.75 7	0.4 4	0.45 0	15.82	21.87	79300	77540	10960 0	10716 0	1.1 0	8. 0	13. 8	
2	1.49 3	6	0.74 8	0.4 4	0.43 9	15.26	21.17	76490	76670	10613 0	10637 0	1.1 0	8. 0	13. 8	
3	0.66 8	4	0.50 0	0.2 0	0.19 6	6.49	8.79	71610	73070	96900	98880	1.2 0	8. 0	15. 0	
4	0.66 1	4	0.49 7	0.2 0	0.19 4	6.14	8.43	67670	69770	92960	95840	1.1 0	8. 0	13. 8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sohail Zafar

Test Performed By: Dr. /Engr. Asad Ali Gillani

Dy Dir (Maint) NHA-DG Khan.(Const. Of 08 Cell RCC Slab Culvert Between KM 617~618)

Client Reference: DD(Maint)/DGK/NHA/2023/1003

SOM Lab

Ref: 2751 (Page-1b/1)

Dated: 23-08-2023

Dated: 28-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type: Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.672	4	0.501	0.20	0.197	5.42	7.65	59800	60710	84310	85590	1.30	8.00	16.3	
2	0.677	4	0.503	0.20	0.199	5.52	7.67	60930	61230	84530	84960	1.10	8.00	13.8	
3	0.677	4	0.503	0.20	0.199	5.47	7.72	60370	60670	85100	85520	1.30	8.00	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sohail Zafar

Test Performed By: Dr. /Engr. Asad Ali Gillani

Dy Dir (Maint) NHA-DG Khan.(Const. Of 08 Cell RCC Slab Culvert Between KM 617~618)

Client Reference: DD(Maint)/DGK/NHA/2023/1003

SOM Lab

Ref: 2751 (Page-1a/1)

Dated: 23-08-2023

Dated: 28-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.559	8	0.979	0.79	0.752	23.52	33.30	65650	68970	92970	97670	1.50	8.00	18.8	
2	2.563	8	0.979	0.79	0.753	21.73	33.38	60670	63660	93200	97780	1.50	8.00	18.8	
3	2.560	8	0.979	0.79	0.752	23.52	33.28	65650	68970	92920	97610	1.50	8.00	18.8	
4	1.639	6	0.783	0.44	0.482	15.75	21.68	78940	72070	108680	99210	1.40	8.00	17.5	
5	1.636	6	0.783	0.44	0.481	15.77	21.73	79050	72310	108940	99650	1.30	8.00	16.3	
6	1.632	6	0.782	0.44	0.480	15.62	21.61	78280	71760	108320	99300	1.40	8.00	17.5	
7	1.041	5	0.624	0.31	0.306	9.76	13.58	69410	70310	96600	97860	1.30	8.00	16.3	
8	1.040	5	0.624	0.31	0.306	9.86	13.51	70130	71050	96090	97350	1.30	8.00	16.3	
9	1.038	5	0.623	0.31	0.305	9.89	13.56	70350	71500	96460	98040	1.10	8.00	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Nine Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Asif

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberg-III,Lahore)

Client Reference: IMP/PM/66/04/83

SOM Lab

Ref: 2752 (Page-1/2)

Dated: 28-08-2023

Dated: 28-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.667	4	0.500	0.20	0.196	7.41	9.63	81720	83390	106230	108400	0.90	8.00	11.3	
2	0.672	4	0.501	0.20	0.197	7.41	9.65	81720	82970	106450	108070	1.10	8.00	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Witnessed By: Husnain Imran, Site Engineer (Imperium Developers)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Asif

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberg-III,Lahore)

Client Reference: IMP/PM/66/04/84

SOM Lab

Ref: 2752 (Page-2/2)

Dated: 28-08-2023

Dated: 28-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.511	6	0.752	0.44	0.444	14.39	20.15	72150	71500	101020	100110	1.10	8.0	13.8	
2	1.506	6	0.751	0.44	0.443	14.34	20.10	71890	71410	100760	100080	1.10	8.0	13.8	
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Witnessed By: Husnain Imran, Site Engineer (Imperium Developers)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Touqeer Rafique
Director Precision Skills services Pvt Ltd
Lahore.

Test Performed by: .S. Asad Ali Gillani

Client Reference No.: 2023/1/PSSP

Dated: 28-08-2023

SOM Lab Ref: CED/SOM/2750 (Page 1/1)

Dated: 28-08-2023

Test Type: Tension Test & Thickness Test

Sample Type: Aluminum

Tension Test Results

Sample No.	Sample Size	Area (mm ²)	Ultimate Load (kN)	Ultimate Strength (MPa)	Elongation (%)
1	25.2 x 1.7	42.84	4.5	105.04	7.5

Thickness Test

Sample Type	Thickness (mm)
Aluminum	1.7

Note: Please always confirm the results on web www.uet-civil.edu.pk

