Engr. M Umar Ashraf
PM FESCON Pvt Ltd.

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

Client Reference: FESCON/DHAM/EE/UET/22 **Dated:** 03-11-2022
SOM Lab Ref: CED/SOM/1201(Page-1/1) **Dated:** 03-11-2022
Test: Tension Test & Bend Test **Test Specification:** ASTM-F- 1554
Sample Type: J-Bolts **Gauge Length:** 200 mm

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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.938	25	25.28	491	502	163.50	242.00	333	326	493	483	42.5	200	21.3	
2	4.056	25	25.65	491	517	178.20	276.50	363	345	563	536	40.0	200	20.0	
3	3.933	25	25.26	491	501	182.20	286.50	371	364	584	572	42.5	200	21.3	
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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

Muteen Zafar Malik **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PE MA Engineering Services.(Engro Enfraashare B2S Towers)

Client Reference: MA/UET/LHR/017 **Dated:** 01-08-2022

SOM Lab Ref: CED/SOM/1203(Page-1/2) **Dated:** 03-11-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615

Sample Type: Deformed Bar **Gauge Length:** 200 mm

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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.213	20	18.95	314	282	145.00	185.00	462	515	589	657	30.0	200	15.0	
2	1.462	16	15.40	201	186	105.20	134.70	523	565	670	724	25.0	200	12.5	
3	1.000	12	12.74	113	127	79.70	92.20	705	626	815	724	22.5	200	11.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Muteen Zafar Malik **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PE MA Engineering Services.(Engro Enfraashare B2S Towers)

Client Reference: MA/UET/LHR/018 **Dated:** 07-10-2022

SOM Lab Ref: CED/SOM/1203(Page-2/2) **Dated:** 03-11-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615

Sample Type: Deformed Bar **Gauge Length:** 200 mm

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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.214	20	18.95	314	282	149.50	189.50	476	531	603	672	25.0	200	12.5	
2	1.446	16	15.32	201	184	104.50	133.00	520	568	661	722	27.5	200	13.8	
3	1.003	12	12.76	113	128	70.00	85.20	619	548	753	667	25.0	200	12.5	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Ilyas Majeed Sheikh **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Chairman Eagle Dev.(Dream Galleria Lahore) (Project Of Dream Galleria,Dream Garden,Lahore)

Client Reference: Nil **SOM Lab Ref:** 1193 (Page-1/1)

Dated: 03-11-2022 **Dated:** 03-11-2022

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	2.590	8	0.984	0.79	0.761	25.18	34.27	70290	72970	95680	99320	1.30	8.0	16.3	
2	1.504	6	0.750	0.44	0.442	14.85	20.34	74450	74110	101940	101470	1.50	8.0	18.8	
3	0.659	4	0.497	0.20	0.194	6.07	8.18	66890	68950	90150	92940	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Q-Links Property Const. **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

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

Client Reference: QCL-UET-JGM-2022-11-LTR-112-2 **SOM Lab Ref:** 1195 (Page-1/1)

Dated: 02-11-2022 **Dated:** 03-11-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (SJ 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	2.700	8	1.005	0.79	0.793	26.98	34.42	75330	75050	96100	95740	1.40	8.0	17.5	
2	1.514	6	0.753	0.44	0.445	15.62	20.29	78280	77400	101680	100540	1.30	8.0	16.3	
3	0.672	4	0.501	0.20	0.197	6.52	8.41	71940	73040	92740	94150	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Sajid Hussain Sadiq **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Site Engr Sitara Heights Pvt Ltd.(Project " 3 Jays Tower Firdous Market Lahore)

Client Reference: SHPL/3JAYS/LHR/10 **SOM Lab Ref:** 1196 (Page-1/1)

Dated: 03-11-2022 **Dated:** 03-11-2022

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	2.726	8	1.010	0.79	0.801	22.85	32.13	63810	62930	89700	88470	1.30	8.0	16.3	
2	2.648	8	0.995	0.79	0.778	22.88	33.33	63890	64880	93060	94490	1.00	8.0	12.5	
3	1.559	6	0.764	0.44	0.458	14.75	20.59	73940	71030	103210	99160	1.30	8.0	16.3	
4	1.541	6	0.759	0.44	0.453	13.88	19.47	69590	67600	97590	94790	1.40	8.0	17.5	
5	0.671	4	0.501	0.20	0.197	6.42	8.82	70820	71900	97230	98720	1.30	8.0	16.3	
6	0.670	4	0.501	0.20	0.197	6.49	8.87	71610	72700	97800	99290	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Danish Raza
Lahore.(Faisal Qadri, Green Fort II)

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

Client Reference: Nil
Dated: 03-11-2022

SOM Lab Ref: 1197 (Page-1/1)
Dated: 03-11-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.635	8	0.993	0.79	0.774	28.10	35.83	78460	80080	100030	102100	1.50	8.0	18.8	
2	2.727	8	1.010	0.79	0.801	28.05	35.49	78320	77240	99090	97730	1.60	8.0	20.0	
3	1.487	6	0.746	0.44	0.437	14.90	18.93	74700	75220	94880	95540	1.50	8.0	18.8	
4	1.470	6	0.742	0.44	0.432	15.01	19.03	75210	76610	95400	97160	1.50	8.0	18.8	
5	0.683	4	0.506	0.20	0.201	7.05	8.97	77790	77400	98920	98430	1.20	8.0	15.0	
6	0.682	4	0.505	0.20	0.200	6.85	8.74	75540	75540	96340	96340	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Mian Sikandar **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Jibran Engineering,Lahore.(Pak Euro City Housing Society in Gujrat)

Client Reference: Nil **SOM Lab Ref:** 1198 (Page-1/1)

Dated: 02-11-2022 **Dated:** 03-11-2022

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	1.258	6	0.686	0.44	0.370	10.04	15.36	50330	59850	77000	91570	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Samples Received and Tested

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

Mumtaz Ahmad Muttoo **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PM BSM Gujar Khan.(Const Of OverHead Water Tank 1.0Lac Gallen NewMetro City Gujjar Khan)

Client Reference: NMC/014/2022 **SOM Lab Ref:** 1199 (Page-1/1)

Dated: 21-10-2022 **Dated:** 03-11-2022

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	2.629	8	0.992	0.79	0.773	25.35	35.19	70780	72330	98240	100400	1.40	8.0	17.5	Mughal
2	2.607	8	0.988	0.79	0.766	23.36	33.64	65230	67270	93910	96850	1.50	8.0	18.8	FF
3	1.477	6	0.743	0.44	0.434	13.37	18.67	67040	67970	93610	94900	1.30	8.0	16.3	FF
4	0.672	4	0.501	0.20	0.197	5.98	8.08	65990	66990	89140	90500	1.30	8.0	16.3	FF
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BEND TEST:

--	No Bend test performed

Note:-

Only Four Samples Received and Tested

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

Canal44
Luxury Apartments Lahore

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

Client Reference: Nil
Dated: 03-11-2022

SOM Lab Ref: 1200 (Page-1/1)
Dated: 03-11-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.654	8	0.997	0.79	0.780	23.80	32.21	66450	67300	89930	91080	1.60	8.0	20.0	
2	2.640	8	0.994	0.79	0.776	23.41	32.21	65370	66550	89930	91550	1.60	8.0	20.0	
3	1.492	6	0.747	0.44	0.438	14.48	19.32	72560	72890	96830	97270	1.10	8.0	13.8	
4	1.493	6	0.748	0.44	0.439	14.27	19.13	71540	71700	95910	96120	1.20	8.0	15.0	
5	0.674	4	0.502	0.20	0.198	6.12	8.51	67450	68130	93860	94810	1.50	8.0	18.8	
6	0.673	4	0.502	0.20	0.198	6.07	8.69	66890	67560	95770	96740	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Engr. Major Zia-Ul-Islam ® **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PD GCC,Overseas Const.Co, Lahore.(Project Gulberg City Cerntre, Lahore)

Client Reference: OCC/Steel/10 **SOM Lab Ref:** 1202 (Page-1/1)

Dated: 03-11-2022 **Dated:** 03-11-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (AFCO 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	2.685	8	1.002	0.79	0.789	26.01	35.75	72630	72720	99800	99930	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Samples Received and Tested

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

Azeem Randhawa **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Project Engr.Centure Ventures Lahore (Century Venture 1,MM Alam Road Lahore)

Client Reference: CV1/ST/05 **SOM Lab Ref:** 1204 (Page-1/1)

Dated: 03-11-2022 **Dated:** 03-11-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Ittefaq 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	2.626	8	0.991	0.79	0.772	25.71	35.47	71770	73450	99030	101340	1.30	8.0	16.3	
2	2.593	8	0.985	0.79	0.762	30.07	37.89	83950	87040	105780	109670	1.10	8.0	13.8	
3	1.496	6	0.748	0.44	0.440	16.94	20.66	84920	84920	103570	103570	1.20	8.0	15.0	
4	1.499	6	0.749	0.44	0.441	15.51	19.57	77770	77590	98100	97880	1.10	8.0	13.8	
5	0.651	4	0.493	0.20	0.191	6.93	9.02	76440	80040	99480	104170	1.20	8.0	15.0	
6	0.652	4	0.494	0.20	0.192	6.01	9.09	66320	69090	100270	104450	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Test Performed by: Dr.Irfan Ul Hassan

Telersen Private Limited,

Islamabad.

(Project: PMO Site 405C)

Client Reference No.: TR/96-22 Dated: 03-11-2022

SOM Lab Ref: CED/SOM/1194(Page 1/1) Dated: 03-11-2022

Test Type: Hardness Test

Sample Type: MS Plate (05mm,08mm)

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B)

Hardness Test Results

Sr #	Marks	Sample Mark	Hardness
1	MS Plate (5mm)	(1)	HR – 62.50 – B
		(2)	HR – 58.83 – B
		(3)	HR – 58.83 – B
2	MS Plate (8mm)	(3)	HR – 74.83 – B
		(1)	HR – 66.66 – B
		(2)	HR – 72.83 – B

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