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

PM Union Developers Lhr.(const. Of Union Luxury Apartments,Etihad Town Lahore.)

Client Reference: UA/SO/2022/034 **SOM Lab Ref:** 1388 (Page-1/1)

Dated: 12-12-2022 **Dated:** 13-12-2022

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	2.600	8	0.986	0.79	0.764	25.94	33.69	72430	74890	94050	97260	1.50	8.0	18.8	
2	2.606	8	0.988	0.79	0.766	25.33	33.76	70720	72940	94250	97210	1.40	8.0	17.5	
3	0.679	4	0.505	0.20	0.200	7.82	9.33	86220	86220	102860	102860	1.00	8.0	12.5	
4	0.674	4	0.502	0.20	0.198	6.95	8.31	76660	77440	91610	92540	1.20	8.0	15.0	
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BEND TEST:

# 8	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

Junaid Saqib
Quantity Surveyor ,Urban Developers Lahore.

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

Client Reference: UD/Adc/113
Dated: 12-12-2022

SOM Lab Ref: 1389 (Page-1/1)
Dated: 13-12-2022

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	1.486	6	0.746	0.44	0.437	14.34	19.75	71890	72390	98970	99650	1.40	8.0	17.5	
2	1.478	6	0.743	0.44	0.434	14.50	19.67	72660	73660	98610	99980	1.40	8.0	17.5	
3	1.524	6	0.755	0.44	0.448	14.19	20.00	71130	69860	100250	98460	1.30	8.0	16.3	
4	0.666	4	0.500	0.20	0.196	6.32	8.61	69700	71120	94990	96930	1.30	8.0	16.3	
5	0.666	4	0.500	0.20	0.196	6.24	8.51	68800	70200	93860	95780	1.20	8.0	15.0	
6	0.658	4	0.496	0.20	0.193	6.22	8.41	68570	71060	92740	96100	1.20	8.0	15.0	
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BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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

Muhammad Umair Sajid
Sr.Engr (Civil)KCP PAEC Jauharabad.

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

Client Reference: KCP(W&S)-Hosp-(Hostels/2019
Dated: 08-12-2022

SOM Lab Ref: 1390 (Page-1/1)
Dated: 13-12-2022

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	1.485	6	0.745	0.44	0.436	15.65	19.22	78430	79150	96320	97200	1.20	8.0	15.0	
2	1.480	6	0.744	0.44	0.435	15.82	19.27	79300	80210	96570	97680	1.10	8.0	13.8	
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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

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

Astt Dir.Building Section DHA Gujranwala.(Const Of Villas Block-E)

Client Reference: 111/3/AD Bldgs/Gen/30 **SOM Lab Ref:** 1391 (Page-1/2)

Dated: 12-12-2022 **Dated:** 13-12-2022

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	0.672	4	0.501	0.20	0.197	6.95	8.74	76660	77830	96340	97800	1.00	8.0	12.5	
2	0.675	4	0.502	0.20	0.198	7.24	9.02	79810	80620	99480	100490	1.00	8.0	12.5	
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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

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

Astt Dir.Building Section DHA Gujranwala.(Const Of Villas Block-D)

Client Reference: 111/3/AD Bldgs/Gen/29 **SOM Lab Ref:** 1391 (Page-2/2)

Dated: 12-12-2022 **Dated:** 13-12-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (S.J Steel)

Gauge Length: 8 inch **Sample Type:**

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	0.670	4	0.501	0.20	0.197	6.34	8.89	69920	70990	98020	99510	1.30	8.0	16.3	
2	0.672	4	0.501	0.20	0.197	6.39	8.87	70480	71560	97800	99290	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

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

PM HMB Developers Pvt.Ltd Lahore (Commercial Tower FTC Lahore)

Client Reference: HMBDPL/S.O/12/22/12th(LHR) **SOM Lab Ref:** 1392 (Page-1/1)

Dated: 12-12-2022 **Dated:** 13-12-2022

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	1.455	6	0.738	0.44	0.428	12.92	19.34	64740	66550	96930	99650	1.30	8.0	16.3	
2	1.467	6	0.741	0.44	0.431	13.46	19.69	67450	68860	98720	100780	1.30	8.0	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

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

ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

Client Reference: DOC-BMC/AJWA/036 **SOM Lab Ref:** 1393 (Page-1/1)

Dated: 12-12-2022 **Dated:** 13-12-2022

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	2.737	8	1.012	0.79	0.804	25.69	35.52	71720	70470	99180	97450	1.60	8.0	20.0	
2	2.664	8	0.998	0.79	0.783	24.21	34.22	67590	68190	95530	96390	1.60	8.0	20.0	
3	1.615	6	0.778	0.44	0.475	14.24	19.52	71380	66120	97850	90640	1.50	8.0	18.8	
4	1.502	6	0.749	0.44	0.441	14.75	19.75	73940	73770	98970	98750	1.50	8.0	18.8	
5	0.670	4	0.501	0.20	0.197	6.57	9.14	72510	73610	100830	102370	1.20	8.0	15.0	
6	0.667	4	0.500	0.20	0.196	6.39	9.02	70480	71920	99480	101510	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

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

RE Metroplan-Asian Jv,MCH,Layyah(Estb Of 200 Bedded Mother & Child Hospital(MCH),Layyah)

Client Reference: Metroplan-Asian Jv-MCH-Layyah-RE-84 **SOM Lab Ref:** 1394 (Page-1/1)

Dated: 25-06-2022 **Dated:** 13-12-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (AF 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	2.670	8	1.000	0.79	0.785	23.65	33.66	66020	66450	93970	94570	1.40	8.0	17.5	
2	2.682	8	1.002	0.79	0.788	24.97	34.61	69720	69900	96620	96860	1.30	8.0	16.3	
3	1.511	6	0.752	0.44	0.444	13.32	20.03	66780	66180	100400	99500	1.20	8.0	15.0	
4	1.516	6	0.754	0.44	0.446	13.51	20.10	67700	66790	100760	99400	1.40	8.0	17.5	
5	0.672	4	0.501	0.20	0.197	6.78	9.30	74750	75890	102520	104080	1.20	8.0	15.0	
6	0.671	4	0.501	0.20	0.197	6.57	8.99	72510	73610	99150	100660	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
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Ten Samples Received and Tested

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

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

RE Metroplan-Asian Jv,MCH,Layyah(Estb Of 200 Bedded Mother & Child Hospital(MCH),Layyah)

Client Reference: Metroplan-Asian Jv-MCH-Layyah-RE-84 **SOM Lab Ref:** 1394 (Page-1/1)

Dated: 25-06-2022 **Dated:** 13-12-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (AF 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	2.670	8	1.000	0.79	0.785	23.65	33.66	66020	66450	93970	94570	1.40	8.0	17.5	
2	2.682	8	1.002	0.79	0.788	24.97	34.61	69720	69900	96620	96860	1.30	8.0	16.3	
3	1.511	6	0.752	0.44	0.444	13.32	20.03	66780	66180	100400	99500	1.20	8.0	15.0	
4	1.516	6	0.754	0.44	0.446	13.51	20.10	67700	66790	100760	99400	1.40	8.0	17.5	
5	0.672	4	0.501	0.20	0.197	6.78	9.30	74750	75890	102520	104080	1.20	8.0	15.0	
6	0.671	4	0.501	0.20	0.197	6.57	8.99	72510	73610	99150	100660	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
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Ten Samples Received and Tested

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

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

Senior RE EPCM Sahiwal.(Rehb/Improvement Of Water Supply System Sahiwal)

Client Reference: 3976/11/MMA/Lot-01/347 **SOM Lab Ref:** 1395 (Page-1/1)

Dated: 08-12-2022 **Dated:** 13-12-2022

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	1.501	6	0.749	0.44	0.441	15.99	20.18	80170	79990	101170	100940	1.40	8.0	17.5	
2	1.502	6	0.749	0.44	0.441	15.70	20.18	78690	78510	101170	100940	1.50	8.0	18.8	
3	1.051	5	0.627	0.31	0.309	11.16	13.55	79410	79670	96380	96690	1.20	8.0	15.0	
4	1.053	5	0.627	0.31	0.309	11.18	13.56	79560	79820	96460	96770	1.30	8.0	16.3	
5	0.680	4	0.505	0.20	0.200	7.80	9.33	85990	85990	102860	102860	1.00	8.0	12.5	
6	0.680	4	0.505	0.20	0.200	7.54	9.12	83180	83180	100610	100610	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 5	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

Canal44 **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Luxury Apartments Lahore (Abbas Developers)

Client Reference: Nil **SOM Lab Ref:** 1396 (Page-1/1)

Dated: 13-12-2022 **Dated:** 13-12-2022

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	1.486	6	0.746	0.44	0.437	14.42	20.29	72300	72800	101680	102380	1.30	8.0	16.3	
2	1.487	6	0.746	0.44	0.437	14.32	20.20	71790	72280	101270	101970	1.40	8.0	17.5	
3	0.665	4	0.498	0.20	0.195	6.27	8.53	69130	70910	94090	96500	1.10	8.0	13.8	
4	0.667	4	0.500	0.20	0.196	6.37	8.56	70260	71690	94420	96350	1.10	8.0	13.8	
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BEND TEST:

# 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