Imran Khan **Test Performed By:** **Dr. /Engr.** Nauman Khurram

PM Al Noor Developers.(Const Of Al Noor Heights Located At Bedian Road Lahore)

Client Reference: Nil **SOM Lab Ref:** 835 (Page-1/1)

Dated: 30-08-2022 **Dated:** 31-08-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (FF 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	2.593	8	0.985	0.79	0.762	23.50	33.76	65600	68010	94250	97720	1.20	8.0	15.0	
2	2.579	8	0.982	0.79	0.758	22.96	33.49	64090	66800	93490	97430	1.40	8.0	17.5	
3	1.501	6	0.749	0.44	0.441	13.61	19.83	68210	68060	99380	99160	1.50	8.0	18.8	
4	1.506	6	0.751	0.44	0.443	13.71	19.80	68730	68260	99230	98560	1.40	8.0	17.5	
5	0.684	4	0.506	0.20	0.201	6.44	8.72	71040	70690	96110	95630	1.50	8.0	18.8	
6	0.682	4	0.505	0.20	0.200	6.42	8.74	70820	70820	96340	96340	1.40	8.0	17.5	
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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

Usman Ali **Test Performed By:** **Dr. /Engr.** Nauman Khurram

PM Maypole Lime Light Pvt.Ltd.(Sillicon Tower (Piling Work))

Client Reference: MLL-19 **SOM Lab Ref:** 837 (Page-1/1)

Dated: 31-08-2022 **Dated:** 31-08-2022

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	2.644	8	0.995	0.79	0.777	27.93	36.70	77980	79280	102450	104160	1.10	8.0	13.8	
2	2.649	8	0.995	0.79	0.778	28.26	36.82	78890	80100	102790	104380	1.00	8.0	12.5	
3	1.497	6	0.748	0.44	0.440	16.06	20.25	80480	80480	101530	101530	1.00	8.0	12.5	
4	1.487	6	0.746	0.44	0.437	16.16	20.41	80990	81540	102290	103000	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

Note:-

Only Six 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.** Nauman Khurram

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

SOM Lab Ref: 838 (Page-1/1)

Client Reference: Nil

Dated: 31-08-2022

Dated: 31-08-2022

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	1.515	6	0.753	0.44	0.445	16.33	20.97	81860	80940	105100	103920	1.10	8.0	13.8	
2	1.503	6	0.750	0.44	0.442	17.20	21.41	86200	85810	107300	106810	1.10	8.0	13.8	
3	0.678	4	0.503	0.20	0.199	6.09	7.56	67110	67450	83410	83830	1.10	8.0	13.8	
4	0.668	4	0.500	0.20	0.196	5.93	7.59	65420	66760	83750	85460	1.20	8.0	15.0	
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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

Asim Chiragh,RE **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Nespak,Lhr.(Rehb/Re-Const/Widening/Impro Of Metailed Rd From More Khunda To Head Baloki)

Client Reference: 3811/103/ADP/AC/142 **SOM Lab Ref:** 839 (Page-1/1)

Dated: 20-08-2022 **Dated:** 31-08-2022

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

Gauge Length: 8 inch **Sample Type:** MS 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	2.610	8	0.988	0.79	0.767	22.09	35.78	61670	63520	99890	102880	1.30	8.0	16.3	
2	2.614	8	0.989	0.79	0.768	21.87	35.55	61040	62790	99230	102080	1.30	8.0	16.3	
3	1.527	6	0.756	0.44	0.449	15.62	19.24	78280	76710	96420	94480	1.30	8.0	16.3	
4	1.531	6	0.757	0.44	0.450	16.38	20.05	82110	80290	100500	98270	1.40	8.0	17.5	
5	0.655	4	0.494	0.20	0.192	5.61	8.26	61830	64400	91050	94850	1.50	8.0	18.8	
6	0.653	4	0.494	0.20	0.192	5.52	8.18	60930	63470	90150	93910	1.50	8.0	18.8	
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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 Nine Samples Received and Tested

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

Hafiz Muhammad Hasnain **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Sr.Engr (Civil) KCP PAEC.(Civil Work for COR & Repair Of Outer Fence At Site Near Jauharabad)

Client Reference: KCP(W&S)-Sec-(COR)/2022 **SOM Lab Ref:** 840 (Page-1/1)

Dated: 29-08-2022 **Dated:** 31-08-2022

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	2.557	8	0.978	0.79	0.751	22.22	31.98	62040	65260	89270	93910	1.50	8.0	18.8	
2	2.567	8	0.980	0.79	0.754	21.73	30.78	60670	63570	85940	90050	1.60	8.0	20.0	
3	1.515	6	0.753	0.44	0.445	14.14	19.34	70870	70070	96930	95840	1.30	8.0	16.3	
4	1.494	6	0.748	0.44	0.439	13.48	18.96	67550	67700	95040	95250	1.20	8.0	15.0	
5	0.685	4	0.506	0.20	0.201	6.57	8.53	72510	72150	94090	93620	1.10	8.0	13.8	
6	0.680	4	0.505	0.20	0.200	6.54	8.51	72170	72170	93860	93860	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

Rameez Dilshad **Test Performed By:** **Dr. /Engr.** Nauman Khurram

XEN GE(Army)-II Slk.(Const Of 8x slders Flate 23 FF HQ 8 Div at Slk Cantt)

Client Reference: Nil **SOM Lab Ref:** 841 (Page-1/4)

Dated: 31-08-2022 **Dated:** 31-08-2022

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	2.666	8	0.998	0.79	0.783	25.76	34.56	71920	72560	96470	97340	1.20	8.0	15.0	
2	1.495	6	0.748	0.44	0.439	14.24	19.57	71380	71540	98100	98330	1.40	8.0	17.5	
3	1.075	5	0.634	0.31	0.316	10.70	13.97	76150	74700	99360	97470	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
# 5	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

Rameez Dilshad **Test Performed By:** **Dr. /Engr.** Nauman Khurram

XEN GE(Army)-II Slk.(Const 1 x JCO Club,37 FF HQ 54 IIBG at Slk Cantt)

Client Reference: Nil **SOM Lab Ref:** 841 (Page-2/4)

Dated: 31-08-2022 **Dated:** 31-08-2022

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	2.634	8	0.993	0.79	0.774	28.56	35.22	79740	81390	98320	100360	1.40	8.0	17.5	
2	1.487	6	0.746	0.44	0.437	13.43	19.01	67290	67760	95290	95950	1.00	8.0	12.5	
3	1.043	5	0.625	0.31	0.307	11.23	13.66	79920	80700	97180	98130	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
# 5	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

Rameez Dilshad **Test Performed By:** **Dr. /Engr.** Nauman Khurram

XEN GE(Army)-II Slk.(Const 1 x JCO Club,37 FF HQ 54 IIBG at Slk Cantt)

SOM Lab Ref: 841 (Page-3/4)

Client Reference: Nil

Dated: 31-08-2022

Dated: 31-08-2022

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	0.595	4	0.472	0.20	0.175	5.42	8.26	59800	68350	91050	104060	1.10	8.0	13.8	
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BEND TEST:

# 4	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

Rameez Dilshad **Test Performed By:** **Dr. /Engr.** Nauman Khurram

XEN GE(Army)-II Slk.(Const Of 8x Slders Flate (G+3) Clover Bde 8 Fiv Lhr Cantt)

Client Reference: Nil **SOM Lab Ref:** 841 (Page-4/4)

Dated: 31-08-2022 **Dated:** 31-08-2022

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	0.645	4	0.492	0.20	0.190	6.07	8.10	66890	70410	89370	94070	1.10	8.0	13.8	
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BEND TEST:

# 4	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

Test Performed by: .S. Asad Ali Gillani

Shoaib Razzaq
Project Coordinator,
Sinaco,Lahore.(Scaffolding Couplers For Pepsico, Multan)

Client Reference No.: 00126-2022 Dated: 30-08-2022

SOM Lab Ref: CED/SOM/836 (Page 1/2) Dated: 31-08-2022

Test Type: Load Test

Sample Type: Galvanized Fixed Clamp **Specification**: BS-1139

Load Test Results

Sample No.	Sample Type	Ultimate Breaking Load (kN)	Ultimate Breaking Load (Kg)	Remarks
1	Galvanized Fixed Clamp (Tension)	60	6116	Clamp Breaks At This Load
2		57.2	5830	

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

Test Performed by: S Asad Ali Gillani

Shoaib Razzaq
Project Coordinator,
Sinaco, Lahore.(Scaffolding Couplers For Pepsico, Multan)

Client Reference No.: 00126-2022 Dated: 30-08-2022

SOM Lab Ref: CED/SOM/836 (Page 2/2) Dated: 31-08-2022

Test Type: Load Test

Sample Type: Folding Clamp **Specification**: BS-1139

Load Test Results

Sample No.	Sample Type	Ultimate Breaking Load (kN)	Ultimate Breaking Load (Kg)	Remarks
1	Folding Clamp (Tension)	29.7	3027	Clamp Breaks At This Load
2		34.0	3464	

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