M/S Beybani Construction Co. **Test Performed By:** **Dr. /Engr.** S.Asad Ali Gillani
Islambad.(Civil Work For NG Compression Part (2C))

Client Reference: Nil
Dated: 11-03-2022

SOM Lab Ref: 6040 (Page-1/1)
Dated: 11-03-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-36
Gauge Length: 8 inch **Sample Type:** Plain 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	2.711	8	1.007	0.79	0.797	18.17	26.42	50720	50270	73770	73120	2.20	8.0	27.5	
2	2.714	8	1.008	0.79	0.798	17.74	26.40	49520	49020	73710	72970	2.20	8.0	27.5	
3	1.466	6	0.741	0.44	0.431	9.38	14.04	47010	47990	70360	71830	2.00	8.0	25.0	
4	1.466	6	0.741	0.44	0.431	9.48	14.17	47520	48510	71020	72510	2.10	8.0	26.3	
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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

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

CM Zameen Aurum,(Construction Of Zameen Aurum at Plot No.15 Block L,Gulberg-III Lahore)

Client Reference: ZD/ZA/STR026 **SOM Lab Ref:** 6041 (Page-1/1)

Dated: 09-03-2022 **Dated:** 11-03-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Batala Premium)

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	2.637	8	0.993	0.79	0.775	23.65	34.35	66020	67300	95900	97760	1.40	8.0	17.5	
2	2.630	8	0.992	0.79	0.773	23.67	34.32	66080	67530	95820	97930	1.50	8.0	18.8	
3	1.485	6	0.745	0.44	0.436	14.32	19.64	71790	72450	98460	99360	1.00	8.0	12.5	
4	1.483	6	0.745	0.44	0.436	14.90	19.98	74700	75390	100150	101070	1.00	8.0	12.5	
5	0.661	4	0.497	0.20	0.194	6.24	8.79	68800	70920	96900	99890	1.00	8.0	12.5	
6	0.668	4	0.500	0.20	0.196	6.75	8.89	74420	75940	98020	100020	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 Nine Samples Received and Tested

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

Muhammad Akhtar Brigadier ® **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PD New Metro City Housing Scheme,Sara-I-Alamgir

SOM Lab

Client Reference: PD/NMC/22/501 **Ref:** 6042 (Page-1/1)

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

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Mughal 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	2.708	8	1.007	0.79	0.796	27.54	35.98	76900	76320	100460	99700	1.60	8.0	20.0	
2	2.696	8	1.004	0.79	0.792	26.71	35.14	74560	74370	98100	97850	1.70	8.0	21.3	
3	1.523	6	0.755	0.44	0.448	16.02	19.57	80320	78890	98100	96350	1.50	8.0	18.8	
4	1.415	6	0.728	0.44	0.416	15.36	18.86	77000	81440	94530	99980	1.20	8.0	15.0	
5	0.660	4	0.497	0.20	0.194	7.51	8.99	82850	85410	99150	102210	1.00	8.0	12.5	
6	0.660	4	0.497	0.20	0.194	7.93	9.73	87460	90160	107350	110670	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 Nine Samples Received and Tested

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

Hashim

Project Manager One Liberty Lahore.

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

Client Reference: OL/2022/03/01

Dated: 11-03-2022

SOM Lab Ref: 6043 (Page-1/1)

Dated: 11-03-2022

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	1.593	6	0.772	0.44	0.468	17.86	25.23	89520	84160	126460	118890	1.00	8.0	12.5	
2	1.560	6	0.764	0.44	0.458	17.74	24.62	88910	85410	123390	118550	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

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

RE Nespak.(Dualization Of Lilla Interchange Via P.D Khan To Jhelum I/C Bypass L 128KM)

Client Reference: NESPAK/RE/JH/22/38 **SOM Lab Ref:** 6044 (Page-1a/1)

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

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Mughal 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	2.647	8	0.995	0.79	0.778	27.08	34.73	75610	76780	96960	98450	1.60	8.0	20.0	
2	2.660	8	0.998	0.79	0.782	27.32	34.48	76270	77050	96250	97230	1.40	8.0	17.5	
3	1.494	6	0.748	0.44	0.439	15.26	19.13	76490	76670	95910	96120	1.00	8.0	12.5	
4	1.504	6	0.750	0.44	0.442	14.93	19.16	74860	74520	96060	95630	1.20	8.0	15.0	
5	1.059	5	0.629	0.31	0.311	11.06	13.73	78690	78440	97690	97370	1.00	8.0	12.5	
6	1.057	5	0.629	0.31	0.311	10.83	13.66	77020	76770	97180	96870	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 Nine Samples Received and Tested

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

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

RE Nespak.(Dualization Of Lilla Interchange Via P.D Khan To Jhelum I/C Bypass L 128KM)

Client Reference: NESPAK/RE/JH/22/38 **SOM Lab Ref:** 6044 (Page-1b/1)

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

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (Pak 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	1.513	6	0.753	0.44	0.445	11.49	17.15	57590	56940	85940	84980	1.50	8.0	18.8	
2	1.512	6	0.752	0.44	0.444	11.62	17.04	58250	57730	85430	84660	1.40	8.0	17.5	
3	0.695	4	0.510	0.20	0.204	6.60	8.56	72730	71300	94420	92570	1.00	8.0	12.5	
4	0.695	4	0.510	0.20	0.204	6.52	8.58	71940	70530	94650	92790	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

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

RE Nespak.(Dualization Of Lilla Interchange Via P.D Khan To Jhelum I/C Bypass L 128KM)

Client Reference: NESPAK/RE/JH/22/38 **SOM Lab Ref:** 6044 (Page-1c/1)

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

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (Pak 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	0.671	4	0.501	0.20	0.197	4.99	7.16	55080	55920	78910	80110	1.50	8.0	18.8	
2	0.664	4	0.498	0.20	0.195	4.94	7.10	54520	55920	78350	80360	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

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

RE Nespak.(Dualization Of Lilla Interchange Via P.D Khan To Jhelum I/C Bypass L 128KM)

Client Reference: NESPAK/RE/JH/22/38 **SOM Lab Ref:** 6044 (Page-1d/1)

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

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Mughal 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	0.678	4	0.503	0.20	0.199	4.94	6.95	54520	54800	76660	77050	1.60	8.0	20.0	
2	0.672	4	0.501	0.20	0.197	4.89	6.90	53960	54780	76100	77260	1.70	8.0	21.3	
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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

Tahir Mehmood **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Chief Engr. Zaitoon,New Lahore City.(Const Of Jamia Mosque New Lahore City Ph-III)

Client Reference: NLC/CE/0117 **SOM Lab Ref:** 6045 (Page-1/2)

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

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	0.671	4	0.501	0.20	0.197	6.12	9.12	67450	68470	100610	102140	1.20	8.0	15.0	
2	0.665	4	0.498	0.20	0.195	6.19	9.14	68230	69980	100830	103420	1.30	8.0	16.3	
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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

Tahir Mehmood **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Chief Engr. Zaitoon,New Lahore City.(Const Of Jamia Mosque New Lahore City Ph-III)

Client Reference: NLC/CE/0116 **SOM Lab Ref:** 6045 (Page-2/2)

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

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	2.651	8	0.996	0.79	0.779	24.46	32.59	68300	69270	90980	92270	1.50	8.0	18.8	
2	2.577	8	0.982	0.79	0.757	22.58	29.12	63040	65780	81310	84850	1.40	8.0	17.5	
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BEND TEST:

# 8	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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

BSD No.15 Lhr.(Const Of two More Floor For Estb Of High Court Offices At Judicial Academy Fan Rd)

Client Reference: 1428 **SOM Lab Ref:** 6046 (Page-1/1)

Dated: 05-03-2022 **Dated:** 11-03-2022

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	2.647	8	0.995	0.79	0.778	24.21	33.64	67590	68630	93910	95360	1.30	8.0	16.3	
2	2.664	8	0.998	0.79	0.783	23.47	33.00	65510	66100	92120	92940	1.50	8.0	18.8	
3	1.488	6	0.746	0.44	0.437	13.46	18.83	67450	67910	94370	95020	1.50	8.0	18.8	
4	1.500	6	0.749	0.44	0.441	13.43	18.83	67290	67140	94370	94160	1.40	8.0	17.5	
5	0.663	4	0.498	0.20	0.195	5.86	8.56	64640	66290	94420	96850	1.20	8.0	15.0	
6	0.663	4	0.498	0.20	0.195	5.91	8.61	65200	66870	94990	97420	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.Zahid Nisar Hashmi **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Head MP.Shaukat Khanum Memorial Trust.(Const.Of Multi-Storied Parking Garage SKMCH&RC,Lhr)

Client Reference: SKM/PG/UET/03/01 **SOM Lab Ref:** 6047 (Page-1/1)

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

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	2.687	8	1.003	0.79	0.790	24.79	33.91	69210	69210	94680	94680	1.50	8.0	18.8	
2	2.643	8	0.995	0.79	0.777	26.30	35.42	73420	74650	98890	100550	1.30	8.0	16.3	
3	1.479	6	0.744	0.44	0.435	14.80	20.18	74190	75040	101170	102330	1.40	8.0	17.5	
4	1.455	6	0.738	0.44	0.428	12.92	18.42	64740	66550	92330	94920	1.50	8.0	18.8	
5	1.021	5	0.618	0.31	0.300	8.02	11.74	57080	58980	83550	86330	1.30	8.0	16.3	
6	1.024	5	0.619	0.31	0.301	9.17	12.71	65270	67220	90440	93140	1.50	8.0	18.8	
7	0.653	4	0.494	0.20	0.192	6.03	8.41	66550	69320	92740	96600	1.30	8.0	16.3	
8	0.650	4	0.493	0.20	0.191	6.01	8.41	66320	69450	92740	97110	1.30	8.0	16.3	
9	0.375	3	0.374	0.11	0.110	3.49	4.59	69900	69900	91970	91970	0.90	8.0	11.3	
10	0.375	3	0.374	0.11	0.110	3.41	4.59	68470	68470	91970	91970	1.00	8.0	12.5	

Witnessed By: M.Bilal Khalid (Sr.Civil Engr.(SKMCH&RC))

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
# 4	Sample bend through 180 degrees Satisfactorily without any crack
# 3	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Fifteen Samples Received and Tested

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

Jamil Woris

Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0177

Dated: 09-03-2022

SOM Lab Ref: 6048 (Page-1/1)

Dated: 11-03-2022

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	0.674	4	0.502	0.20	0.198	5.52	7.95	60930	61540	87680	88570	1.10	8.0	13.8	
2	0.671	4	0.501	0.20	0.197	6.90	9.04	76100	77260	99710	101230	1.10	8.0	13.8	
3	0.667	4	0.500	0.20	0.196	6.24	8.77	68800	70200	96670	98650	1.00	8.0	12.5	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

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

Note:-

Only Five Samples Received and Tested

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

Projet Managers **Test Performed By:** **Dr. /Engr.** Rehan Ashraf

Lahore.(Allied Bank ltd Plot No. 14 Block A3 Gulberg III Lahore)

Client Reference: Nil **SOM Lab Ref:** 6049 (Page-1/1)

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

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	1.482	6	0.745	0.44	0.436	14.34	19.85	71890	72550	99480	100400	1.30	8.0	16.3	
2	1.470	6	0.742	0.44	0.432	14.63	19.93	73320	74680	99890	101740	1.20	8.0	15.0	
3	0.650	4	0.493	0.20	0.191	6.85	9.91	75540	79100	109260	114410	1.00	8.0	12.5	
4	0.655	4	0.494	0.20	0.192	6.93	9.94	76440	79620	109600	114170	1.10	8.0	13.8	
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Witnessed By: M Anees.(officer Civil)

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

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

RE Pillar & Sons.(Rumanza Golf & Country Club,DHA Multan)

Client Reference: P&S/OTH/GEN/00072 **SOM Lab Ref:** 6050a (Page-1/1)

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

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	2.659	8	0.997	0.79	0.781	25.96	36.09	72480	73320	100740	101900	1.20	8.0	15.0	
2	2.651	8	0.996	0.79	0.779	25.89	36.03	72290	73310	100600	102020	1.30	8.0	16.3	
3	0.656	4	0.496	0.20	0.193	6.37	8.43	70260	72810	92960	96340	1.20	8.0	15.0	
4	0.656	4	0.496	0.20	0.193	6.37	8.51	70260	72810	93860	97270	1.10	8.0	13.8	
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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

Nasir Mahmood
RE ESAC DHA Multan

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

Client Reference: RE/ESAC/SECTOR K/115
Dated: 08-03-2022

SOM Lab Ref: 6050b(Page-1/1)
Dated: 11-03-2022

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

Test Specification: ASTM-A-615
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	2.642	8	0.994	0.79	0.776	24.33	33.28	67930	69160	92920	94590	1.40	8.0	17.5	
2	2.645	8	0.995	0.79	0.777	24.16	33.13	67450	68580	92490	94040	1.40	8.0	17.5	
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BEND TEST:

# 8	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