

Ali Zahid Latif, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NESPAK Lahore.(Remodeling Of Main Boulevard from Kalma Chowk to Liberty Chowk,Lhr)

Client Reference: 4500/13/AZL/05/18

Dated: 20-03-2023

SOM Lab Ref: CED/SOM/2075(Page-1/1)

Dated: 11-04-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-F- 1554

Sample Type: J-Bolt (Deformed)

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	3.967	25	25.36	491	505	237.70	327.00	484	471	666	648	35.0	200	17.5	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector L)

Test Performed By: Dr. /Engr. Waseem Abbass

Client Reference: 111/15/AD/RS/Lab/SEC L/238

SOM Lab

Ref: 2064 (Page-1/1)

Dated: 08-04-2023

Dated: 11-04-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	0.674	4	0.502	0.20	0.198	6.49	8.23	71610	72330	90720	91630	1.20	8.0	15.0	
2	0.674	4	0.502	0.20	0.198	6.34	8.38	69920	70630	92400	93330	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

Raja Muhammad Aqeel

Test Performed By:

Dr. /Engr. Asad Ali Gillani

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

Client Reference: 111/3/AD Bldgs/Gen/40

SOM Lab

Ref: 2065 (Page-1/1)

Dated: 08-04-2023

Dated: 11-04-2023

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	0.673	4	0.502	0.20	0.198	7.21	8.89	79470	80280	98020	99010	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	6.85	8.66	75540	76690	95550	97000	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

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

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: DOC-BMC/AJWA/049

SOM Lab

Ref: 2066 (Page-1/1)

Dated: 11-04-2023

Dated: 11-04-2023

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	2.652	8	0.996	0.79	0.779	25.91	34.78	72340	73360	97100	98470	1.40	8.0	17.5	
2	2.640	8	0.994	0.79	0.776	25.94	34.86	72430	73730	97330	99080	1.30	8.0	16.3	
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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

Sheikh Younis & Sons
Construction Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 2067 (Page-1/1)

Dated: 11-04-2023

Dated: 11-04-2023

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	1.475	6	0.743	0.44	0.433	18.22	22.40	91310	92780	112260	114070	1.20	8.0	15.0	
2	0.674	4	0.502	0.20	0.198	7.41	9.45	81720	82550	104200	105260	1.00	8.0	12.5	
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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 Rafique Associates
Construction Service Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 2068 (Page-1/1)

Dated: 11-04-2023

Dated: 11-04-2023

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	1.488	6	0.746	0.44	0.437	16.38	19.72	82110	82680	98870	99550	1.30	8.0	16.3	
2	1.501	6	0.749	0.44	0.441	16.28	19.44	81600	81420	97440	97220	1.20	8.0	15.0	
3	0.655	4	0.494	0.20	0.192	6.83	8.26	75320	78450	91050	94850	1.00	8.0	12.5	
4	0.655	4	0.494	0.20	0.192	7.26	8.63	80040	83370	95210	99180	1.00	8.0	12.5	
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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

Riaz Ahmad

Test Performed By: Dr. /Engr. Wasim Abbas

Riaz Construction Company.Lahore (New TCF Secondary School,Building in Muzaffargarh)

Client Reference: Nil

SOM Lab

Ref: 2069 (Page-1/1)

Dated: 07-04-2022

Dated: 11-04-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ambreli 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	2.614	8	0.989	0.79	0.768	25.25	32.93	70490	72510	91920	94550	1.20	8.0	15.0	
2	2.611	8	0.988	0.79	0.767	25.45	33.81	71060	73190	94400	97230	1.30	8.0	16.3	
3	1.458	6	0.738	0.44	0.428	17.30	20.71	86710	89140	103830	106740	1.00	8.0	12.5	
4	1.462	6	0.740	0.44	0.430	17.50	21.33	87730	89770	106890	109380	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	

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

Riaz Ahmad

Test Performed By: Dr. /Engr. Wasim Abbas

Riaz Construction Company.Lahore (New TCF Secondary School,Building in Muzaffargarh)

Client Reference: Nil

SOM Lab

Ref: 2070 (Page-1/1)

Dated: 07-04-2022

Dated: 11-04-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ambreli 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	0.671	4	0.501	0.20	0.197	5.88	8.92	64860	65850	98360	99860	1.40	8.0	17.5	
2	0.672	4	0.501	0.20	0.197	5.86	8.82	64640	65620	97230	98720	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

Hussain Construction Company
Lahore.(Allied Health School C.M.H Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 2071 (Page-1/1)

Dated: 11-04-2023

Dated: 11-04-2023

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	2.642	8	0.994	0.79	0.776	27.42	34.81	76550	77930	97190	98940	1.50	8.0	18.8	
2	2.639	8	0.994	0.79	0.776	27.32	34.76	76270	77650	97040	98790	1.40	8.0	17.5	
3	1.495	6	0.748	0.44	0.439	16.69	20.25	83640	83830	101530	101760	1.00	8.0	12.5	
4	1.490	6	0.747	0.44	0.438	16.72	20.34	83800	84180	101940	102400	1.10	8.0	13.8	
5	0.668	4	0.500	0.20	0.196	7.10	8.82	78350	79950	97230	99220	1.00	8.0	12.5	
6	0.666	4	0.500	0.20	0.196	7.00	8.71	77230	78800	96000	97960	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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

Abdul Qadir
Lahore. (42A/C1 Gulberg III Lahore)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 2072 (Page-1/1)

Dated: 11-04-2023

Dated: 11-04-2023

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	2.667	8	0.999	0.79	0.784	23.19	32.67	64740	65240	91210	91910	1.50	8.0	18.8	
2	2.670	8	1.000	0.79	0.785	23.24	32.72	64890	65300	91350	91930	1.50	8.0	18.8	
3	1.501	6	0.749	0.44	0.441	14.55	19.18	72910	72750	96160	95940	1.40	8.0	17.5	
4	1.487	6	0.746	0.44	0.437	14.37	19.08	72050	72540	95650	96310	1.20	8.0	15.0	
5	0.672	4	0.501	0.20	0.197	5.76	8.43	63510	64480	92960	94380	1.40	8.0	17.5	
6	0.671	4	0.501	0.20	0.197	5.63	8.26	62050	63000	91050	92440	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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

Sub Divisional officer,

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

BSD No.15,Lhr.(Const of Bachelor Accommodation And Judicial Rest House at Dharampura)

Client Reference: 3045

SOM Lab

Ref: 2073 (Page-1/1)

Dated: 11-04-2023

Dated: 11-04-2023

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	2.659	8	0.997	0.79	0.781	25.18	34.88	70290	71100	97380	98510	1.80	8.0	22.5	
2	2.646	8	0.995	0.79	0.778	24.69	34.68	68930	69990	96820	98310	1.60	8.0	20.0	
3	1.574	6	0.768	0.44	0.463	15.41	20.97	77260	73420	105100	99880	1.10	8.0	13.8	
4	1.493	6	0.748	0.44	0.439	13.88	19.27	69590	69750	96570	96790	1.20	8.0	15.0	
5	0.671	4	0.501	0.20	0.197	5.86	8.33	64640	65620	91840	93240	1.40	8.0	17.5	
6	0.673	4	0.502	0.20	0.198	5.86	8.36	64640	65290	92180	93110	1.50	8.0	18.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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

Yasir Ahmad
GM-Works FF Steel Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil
Dated: 03-04-2023

SOM Lab
Ref: 2074 (Page-1/1)
Dated: 11-04-2023

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	1.466	6	0.741	0.44	0.431	14.04	19.06	70360	71830	95550	97540	1.20	8.0	15.0	1
2	1.463	6	0.740	0.44	0.430	14.24	19.27	71380	73040	96570	98820	1.20	8.0	15.0	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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