

Maj Adnan khalid@

Test Performed By:

Dr. /Engr.

M Rehan Ashraf

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/766/4140

SOM Lab

Ref:

1760(Page-1/1)

Dated: 19-11-2019

Dated:

20-11-2019

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	1.477	6	0.743	0.44	0.434	12.71	18.57	63720	64600	93100	94380	1.50	8.0	18.8	
2	1.482	6	0.745	0.44	0.436	13.30	18.83	66680	67290	94370	95240	1.40	8.0	17.5	
3	0.660	4	0.497	0.20	0.194	6.42	8.84	70820	73010	97460	100470	1.50	8.0	18.8	
4	0.665	4	0.498	0.20	0.195	6.49	8.89	71610	73440	98020	100530	1.50	8.0	18.8	
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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

Test Performed by: Dr. M Irfan-ul-Hassan

M/S Shahzad Bhatti
Work Manager
Elite Engineering (Pvt) Ltd.
Engineering Procurement & Construction, Lahore

Client Reference No.: 3280

Dated: 18-11-2019

SOM Lab Ref: CED/SOM/1764(P-1/1)

Dated: 20-11-2019

Test Type: Tensile Strength Load

Sample Type: Eye Bolt (25mm Diameter)

Tensile Strength Load Test Results:

Sample No.	Sample Size	Maximum Load Applied (Tons)	Remarks
1	25 mm	2.35	No Failure at Prescribed load of 2.0 Tons

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

Test Performed by: Dr. M Irfan-ul-Hassan

M/S Shahzad Bhatti
Work Manager
Elite Engineering (Pvt) Ltd.
Engineering Procurement & Construction, Lahore

Client Reference No.: 3280

Dated: 18-11-2019

SOM Lab Ref: CED/SOM/1764(P-1/1)

Dated: 20-11-2019

Test Type: Tensile Strength Load

Sample Type: Eye Bolt (25mm Diameter)

Tensile Strength Load Test Results:

Sample No.	Sample Size	Tensile Strength Load (Tons)	Remarks
1	25 mm	2.35	No Failure at 2.0 Tons

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