



**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
 Principle Architect  
 Z.H. Kazmi & Associates  
 MCB KLP Road, Sadiqabad Branch, Bahawalpur (0807)  
 (Amreli Steel)

Reference # CED/TFL **35184** (Dr. Nauman Khurram)  
 Reference of the request letter # Nil

Dated: 29-07-2020  
 Dated: 28-07-2020

**Tension Test Report** (Page -1/1)

Date of Test 30-07-2020  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.409	3	0.391	0.11	0.120	4080	5050	81800	74870	101200	92700	1.10	13.8	60
2	0.368	3	0.371	0.11	0.108	3590	4300	72000	73100	86200	87600	1.10	13.8	G 500W
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**Note: only two samples for tensile and two samples for bend test**

**Bend Test**

#3 Bar Bend Test Through 180° is Satisfactory

#3 Bar Bend Test Through 180° is Satisfactory

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

**Note:**

- 1- You can See your reports On Internet in the following web site  
[http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing\\_reports](http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports)
2. The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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To,  
 Project Manager  
 Liberty Builders  
 Construction of Zee Avenue-Ramada Hotel & Suites 17-A Cooper Road, Lahore

Reference # CED/TFL **35185** (Dr. Safer Abbass)  
 Reference of the request letter # ST/UET/20200730

Dated: 30-07-2020  
 Dated: 30-07-2020

**Tension Test Report** (Page -1/1)

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		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	3	0.375	0.11	0.110	3600	4900	72200	71950	98200	98000	0.90	11.3	SJ
2	0.377	3	0.376	0.11	0.111	3600	4900	72200	71560	98200	97400	1.10	13.8	
3	0.376	3	0.375	0.11	0.110	3500	5000	70200	69840	100200	99800	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only three samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
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