Bajaur Construction Co **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Khar Bajaur.(Const Of Tsunami Evacuation Shelters at Distt Malir & Kemari Of Karachi)(Pkg-1&2)

Client Reference: BCC/2022-UNDP-122/3 **Dated:** 25-10-2022

SOM Lab Ref: CED/SOM/1158(Page-1/1) **Dated:** 27-10-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-F- 1554

Sample Type: J-Bolt **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	2.262	20	19.15	314	288	118.20	181.70	376	411	578	631	40.0	200	20.0	
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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

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

PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberh-III,Lahore)

Client Reference: IMP/PM/66/03/104 **SOM Lab Ref:** 1156 (Page-1/1)

Dated: 27-10-2022 **Dated:** 27-10-2022

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	0.677	4	0.503	0.20	0.199	6.42	8.87	70820	71180	97800	98290	1.10	8.0	13.8	
2	0.670	4	0.501	0.20	0.197	6.57	9.09	72510	73610	100270	101800	1.00	8.0	12.5	
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Witnessed By: Nazam Sohail (Imperium Developers),Saqib Hussain (QA/QC Manager,Batala Premium Steel)

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

Naveed Ahmad
Lahore

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

Client Reference: Nil
Dated: 26-10-2022

SOM Lab Ref: 1157 (Page-1/1)
Dated: 27-10-2022

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	2.639	8	0.994	0.79	0.776	23.60	36.21	65880	67070	101080	102910	1.50	8.0	18.8	
2	2.606	8	0.988	0.79	0.766	23.52	35.93	65650	67710	100320	103460	1.50	8.0	18.8	
3	1.495	6	0.748	0.44	0.439	14.02	18.37	70260	70420	92070	92280	1.40	8.0	17.5	
4	1.489	6	0.747	0.44	0.438	14.07	18.47	70510	70840	92590	93010	1.30	8.0	16.3	
5	0.670	4	0.501	0.20	0.197	6.09	8.97	67110	68130	98920	100430	1.30	8.0	16.3	
6	0.665	4	0.498	0.20	0.195	6.07	8.87	66890	68600	97800	100300	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
# 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.** Nauman Khurram

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

Client Reference: SKM/PG/UET/10/18 **SOM Lab Ref:** 1159 (Page-1/1)

Dated: 27-10-2022 **Dated:** 27-10-2022

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	1.510	6	0.752	0.44	0.444	15.34	20.13	76900	76210	100910	100000	1.20	8.0	15.0	
2	1.508	6	0.751	0.44	0.443	15.06	20.08	75470	74960	100660	99980	1.20	8.0	15.0	
3	1.078	5	0.635	0.31	0.317	10.24	13.97	72890	71280	99360	97160	1.40	8.0	17.5	
4	1.056	5	0.628	0.31	0.310	9.84	13.40	69990	69990	95370	95370	1.50	8.0	18.8	
5	0.674	4	0.502	0.20	0.198	6.42	8.61	70820	71540	94990	95950	1.50	8.0	18.8	
6	0.674	4	0.502	0.20	0.198	6.47	8.89	71380	72100	98020	99010	1.40	8.0	17.5	
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Witnessed By: M.Bilal Khalid (Sr.Civil Engr,SKMCH&RC)

BEND TEST:

# 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

Note:-

Only Nine Samples Received and Tested

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

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

Ideal Construction Service.Lahore.(FMH Tower Lahore)

Client Reference: ICS/786/454 **SOM Lab Ref:** 1160 (Page-1/1)

Dated: 27-10-2022 **Dated:** 27-10-2022

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	2.696	8	1.004	0.79	0.792	25.23	33.61	70440	70260	93830	93590	1.60	8.0	20.0	
2	1.498	6	0.748	0.44	0.440	13.71	18.09	68730	68730	90690	90690	1.70	8.0	21.3	
3	0.672	4	0.501	0.20	0.197	6.63	8.66	73070	74180	95550	97000	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 Six Samples Received and Tested

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

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

Asst Dir Lab DHA Bahawalpur Cantonment.(Sec-B,Residential Unit)(Myco Engg Const.)

Client Reference: 530/QC/MTL **SOM Lab Ref:** 1161 (Page-1/1)

Dated: 27-10-2022 **Dated:** 27-10-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Union 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	1.491	6	0.747	0.44	0.438	14.17	18.71	71020	71350	93760	94190	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	6.27	8.15	69130	70190	89930	91300	1.30	8.0	16.3	
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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 Four 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

Naeem Akhtar
United Corporation Lahore.

Client Reference No.: Nil Dated: 27-10-2022

SOM Lab Ref: CED/SOM/1155(Page 1/1) Dated: 27-10-2022

Test Type: Load Test

Sample Type: Chain (Imported Double Pass Chain Block)

Load Test Results

Sample No.	Sample Type	Proof Load (Tons)	Remarks
1	Imported Double Pass Chain Block (Tension)	11.0	Sample Remains Satisfied At this Proof Load

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