

Base & Bricks

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

GM Base & Bricks Solution.(Const Of SubCampus for Superior Uni Sialkot-W/Abad Rd,Sialkot)

Client Reference: B&B/Sub-Camp.Sialkot/Lot-I/2023/1605

SOM Lab

Ref: 2188 (Page-1/1)

Dated: 16-05-2023

Dated: 16-05-2023

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	1.489	6	0.747	0.44	0.438	14.32	18.73	71790	72120	93860	94290	1.40	8.0	17.5	
2	1.493	6	0.748	0.44	0.439	14.42	18.76	72300	72470	94020	94230	1.30	8.0	16.3	
3	1.022	5	0.618	0.31	0.300	10.96	13.35	77960	80560	95000	98170	1.20	8.0	15.0	
4	1.028	5	0.620	0.31	0.302	10.96	13.40	77960	80030	95370	97890	1.40	8.0	17.5	
5	0.666	4	0.500	0.20	0.196	6.88	9.40	75880	77430	103640	105760	1.10	8.0	13.8	
6	0.661	4	0.497	0.20	0.194	6.85	9.35	75540	77880	103080	106270	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	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. Asad Ali Gillani

Client Reference: Nil
Dated: 11-05-2023

SOM Lab
Ref: 2189 (Page-1/1)
Dated: 16-05-2023

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	1.045	5	0.625	0.31	0.307	10.01	13.58	71220	71910	96600	97540	1.50	8.0	18.8	1
2	1.051	5	0.627	0.31	0.309	9.81	13.46	69770	69990	95730	96040	1.40	8.0	17.5	2
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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

Col Tajamal Hussain Riaz ®

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE CSM ACE Limited.Multan.(Secretariat Office Building Multan & Allied Work)

Client Reference: ACE/RE/CSM/2023/627

Dated: 11-05-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

2190 (Page-1/1)

Dated:

16-05-2023

ASTM-A-615

Deformed Bar (FF Steel Khi)

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	2.723	8	1.009	0.79	0.800	24.99	34.76	69780	68910	97040	95830	1.40	8.0	17.5	
2	2.748	8	1.014	0.79	0.808	24.92	34.68	69580	68030	96820	94660	1.20	8.0	15.0	
3	1.527	6	0.756	0.44	0.449	14.19	18.60	71130	69700	93250	91380	1.20	8.0	15.0	
4	1.496	6	0.748	0.44	0.440	14.55	18.93	72910	72910	94880	94880	1.20	8.0	15.0	
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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

Prof.DR.Engr.Abdulah Yasar,CE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

GC Uni,Lhr.(Const Of New Girls Hostel at Main Campus GCU Lahore)

Client Reference: GCU/Engr/877/W.O

SOM Lab

Ref:

2191 (Page-1/1)

Dated: 04-05-2023

Dated:

16-05-2023

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	2.625	8	0.991	0.79	0.771	27.32	35.42	76270	78150	98890	101330	1.30	8.0	16.3	
2	1.496	6	0.748	0.44	0.440	15.51	19.88	77770	77770	99640	99640	1.30	8.0	16.3	
3	0.686	4	0.507	0.20	0.202	5.98	8.69	65990	65330	95770	94830	1.30	8.0	16.3	
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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	
# 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

Qasim Ali
Senior Manager Project-Civil, Volka Food International.Ltd.Multan

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

Client Reference: VFI/Civil/18

Dated: 09-05-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2192 (Page-1/1)

Dated: 16-05-2023

ASTM-A-615

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	2.589	8	0.984	0.79	0.761	26.45	32.21	73850	76660	89930	93360	1.50	8.0	18.8	
2	2.570	8	0.980	0.79	0.755	26.66	32.54	74420	77870	90840	95050	1.30	8.0	16.3	
3	1.073	5	0.633	0.31	0.315	10.93	13.40	77750	76510	95370	93850	1.30	8.0	16.3	
4	1.070	5	0.632	0.31	0.314	10.65	12.92	75790	74820	91890	90720	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 5	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

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/66/04/171

SOM Lab

Ref: 2193 (Page-1/2)

Dated: 16-05-2023

Dated: 16-05-2023

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	1.511	6	0.752	0.44	0.444	13.76	19.67	68980	68360	98610	97730	1.30	8.0	16.3	
2	1.519	6	0.754	0.44	0.446	13.76	19.80	68980	68050	99230	97890	1.40	8.0	17.5	
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Witnessed By: Husnain Imran, Site Engineer (Imperium Developers)

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

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/66/04/72

SOM Lab

Ref: 2193 (Page-2/2)

Dated: 16-05-2023

Dated: 16-05-2023

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	2.697	8	1.005	0.79	0.793	25.56	35.27	71350	71080	98470	98090	1.10	8.0	13.8	
2	2.690	8	1.004	0.79	0.791	25.64	36.72	71570	71480	102510	102380	1.40	8.0	17.5	
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Witnessed By: Husnain Imran, Site Engineer (Imperium Developers)

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

SAFE SOIL

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

Dy Dir, Safe Soil and Foundation Engg Sevices. (Karam Elahi, Ladhay Wala, Housing Society at Guj)

Client Reference: SS/Latter/1463/23

SOM Lab

Ref: 2194 (Page-1/1)

Dated: 16-05-2023

Dated: 16-05-2023

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	1.495	6	0.748	0.44	0.439	14.95	19.27	74960	75130	96570	96790	1.40	8.0	17.5	
2	1.500	6	0.749	0.44	0.441	15.01	19.37	75210	75040	97080	96860	1.50	8.0	18.8	
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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

M. Saleem

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Construction Company Engrs & Contractors, Sheikhpura.(Extension Dyeing Unit)

Client Reference: Steel Test

SOM Lab

Ref:

2197 (Page-1/1)

Dated: 16-05-2023

Dated:

16-05-2023

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	2.636	8	0.993	0.79	0.775	25.66	34.73	71630	73020	96960	98830	1.30	8.0	16.3	
2	1.472	6	0.743	0.44	0.433	13.71	18.11	68730	69840	90800	92260	1.50	8.0	18.8	
3	0.667	4	0.500	0.20	0.196	6.42	8.74	70820	72270	96340	98300	1.30	8.0	16.3	
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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	
# 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 Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Test Performed by: .S. Asad Ali Gillani

Client Reference No.: Nil

Dated: 16-05-2023

SOM Lab Ref: CED/SOM/2195 (Page 1/6)

Dated: 16-05-2023

Test Type: Load Test

Sample Type: FRP Manhole Cover (18" x 18")

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
1	FRP Manhole Cover	19.2

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

Test Performed by: .S. Asad Ali Gillani

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Client Reference No.: Nil

Dated: 16-05-2023

SOM Lab Ref: CED/SOM/2195 (Page 2/6)

Dated: 16-05-2023

Test Type: Load Test

Sample Type: FRP Manhole Cover (18" x 18")

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
2	FRP Manhole Cover	20.2

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

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Client Reference No.: Nil
SOM Lab Ref: CED/SOM/2195 (Page 3/6)
Test Type: Load Test

Sample Type: FRP Manhole Cover (18" x 18")

Test Performed by: .S. Asad Ali Gillani

Dated: 16-05-2023

Dated: 16-05-2023

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
3	FRP Manhole Cover	19.7

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

Test Performed by: .S. Asad Ali Gillani

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Client Reference No.: Nil

Dated: 16-05-2023

SOM Lab Ref: CED/SOM/2195 (Page 4/6)

Dated: 16-05-2023

Test Type: Load Test

Sample Type: FRP Manhole Cover (15"x15")

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
1	FRP Manhole Cover	13.7

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

Test Performed by: .S. Asad Ali Gillani

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Client Reference No.: Nil
SOM Lab Ref: CED/SOM/2195 (Page 5/6)

Dated: 16-05-2023
Dated: 16-05-2023

Test Type: Load Test

Sample Type: FRP Manhole Cover (15"x15")

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
1	FRP Manhole Cover	15.5

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

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Test Performed by: .S. Asad Ali Gillani

Client Reference No.: Nil
SOM Lab Ref: CED/SOM/2195 (Page 6/6)
Test Type: Load Test

Dated: 16-05-2023
Dated: 16-05-2023

Sample Type: FRP Manhole Cover (15"x15")

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
1	FRP Manhole Cover	15.0

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

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

Kamran Tahir Sandhu

ME (Planning Branch) DHA Multan.

(Electrical Infrastructure Development Sector V,T and N (M/S FESCON)

Client Reference: 701/92/Planning/DHA

Dated: 15-05-2023

SOM Lab Ref: CED/SOM/2196(Page-1/2)

Dated: 16-05-2023

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: Anchor- Bolt (J-Shaped)

Gauge Length: 200 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	25 (L 956mm)	491	169.0	241.2	344.5	491.6	55.0	200	27.5	44.6
2	25 (L 956mm)	491	180.0	275.7	366.9	561.9	50.0	200	25.0	42.2
3	25 (L 956mm)	491	188.7	282.0	384.6	574.8	50.0	200	25.0	41.0

Note:-

Only Three Samples
Received and Tested

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

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

Kamran Tahir Sandhu

ME (Planning Branch) DHA Multan.

(Electrical Infrastructure Development Sector V,T and N (M/S FESCON)

Client Reference: 701/92/Planning/DHA

Dated: 15-05-2023

SOM Lab Ref: CED/SOM/2196(Page-2/2)

Dated: 16-05-2023

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: Anchor- Bolt (Y-Shaped)

Gauge Length: 50 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	12 (L 250mm)	113.09	46.6	62.0	412.03	548.20	20.0	50	40.0	72.4
2	12 (L 250mm)	113.09	46.0	61.0	406.73	539.36	25.0	50	50.0	70.7
3	12 (L 250mm)	113.09	44.0	58.0	389.05	512.83	22.5	50	45.0	73.3

Note:-

Only Three 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

Ahmed Nawaz
Project Manager,
Aldo International Pvt.Ltd.Lahore
(ALDO Traffic Safety)

Client Reference: AI/UET/TEST/03

Dated: 16-05-2023

SOM Laboratory Reference: CED/SOM/2198(Page-1/1)

Dated: 16-05-2023

Test: Compressive Strength

Sample Type: Aluminum Road Studs

Test Specification: ASTM-D4280

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Aluminum Stud (Aldo)	81.6 x 34.3	101.1 x 101.1	21.9	24.32°	5576
2	Aluminum Stud (3M)	81.6 x 31.2	101.4 x 101.0	21.8	23.13°	3078

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

