

Test Performed by: S. Asad Ali Gillani

Yeo Chang Uk
Acting Construction Supervisor/Deputy PM
SUNJIN Engineering & Architecture Co., Ltd.
Technology Park Development Project

Client Reference No.: PK-IT-SUN-C-23-SEP-001

Dated: 23-09-2025

SOM Lab Ref: CED/SOM/1898 (Page 1/1)

Dated: 07-10-2025

Test Type: Load Test

Sample Type: Raise Floor (600x600mm) including 4 Pedestals with Head and Anchor Bolt, 4 Stringer with screw and Cementitious Tile Panel

Test Standard: Non-standard test was performed as per requirement of the client [Application of load at the center of the Raise Floor Panel through Square steel plate of 12"x12" Inches]

Load Test Results

Sr. No.	Sample Type	Max Load (kN)
1	As mentioned above	42.0

Load-Deflection Data

Load, kN	0	5	10	15	20	25	30	35	39
Deflection, mm	0	1.8	3.8	6.0	8.6	12.8	17.5	23.3	28.7

Note: Dial gage was removed after 39 kN load for safety purpose

Witnessed By: Zia Ullah/Architectural Supervisor at Sunjin (IT Park Islamabad)

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

Muhammad Rashid
PM Swiss Mall MM Alam Road Gulberg III Lahore

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/1897(P-1/3)

Dated: 06-10-2025
Dated: 07-10-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	0.970	12	12.57	113	124	67.20	88.20	594	542	780	712	27.5	200	13.8	
2	0.964	12	12.50	113	123	67.70	88.50	599	552	783	721	27.5	200	13.8	
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BEND TEST:

12mm	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 Rashid
 PM Swiss Mall MM Alam Road Gulberg III Lahore

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/1897(P-2/3)

Dated: 06-10-2025
Dated: 07-10-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	2.133	20	18.61	314	272	152.20	197.20	484	560	628	725	35.0	200	17.5	
2	2.127	20	18.58	314	271	155.70	203.00	496	575	646	750	27.5	200	13.8	
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BEND TEST:

20mm	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 Rashid
PM Swiss Mall MM Alam Road Gulberg III Lahore

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/1897(P-3/3)

Dated: 06-10-2025
Dated: 07-10-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	3.898	25	25.16	491	497	238.20	344.70	485	480	702	694	30.0	200	15.0	
2	3.901	25	25.15	491	497	240.00	346.00	489	483	705	697	32.5	200	16.3	
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BEND TEST:

25mm	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

Project Manager
Guarantee Engineers (Pvt) Ltd Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: GEPL/PROJECTS/3907/25/2

SOM Lab

Ref: 1895 (Page-1/1)

Dated: 25-09-2025

Dated: 07-10-2025

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	1.034	5	0.622	0.31	0.304	11.52	13.58	81950	83570	96600	98510	1.30	8.0	16.3	
2	1.031	5	0.621	0.31	0.303	11.57	13.56	82310	84220	96460	98680	1.30	8.0	16.3	
3	0.650	4	0.493	0.20	0.191	7.59	8.89	83750	87690	98020	102640	1.00	8.0	12.5	
4	0.645	4	0.492	0.20	0.190	7.65	8.92	84310	88750	98360	103540	1.00	8.0	12.5	
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BEND TEST:

# 5	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

UNISON

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

CM UNISON Pvt Ltd.(University of Management and Technology Lahore) (MAP-Building)

Client Reference: 2508/UNI/UMT/MAP/04

SOM Lab

Ref: 1896-1933(P-1/2)

Dated: 03-10-2025

Dated: 07-10-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Hunza 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	2.668	8	0.999	0.79	0.784	27.32	36.16	76270	76850	100940	101710	1.40	8.0	17.5	
2	2.689	8	1.003	0.79	0.790	27.73	36.41	77410	77410	101650	101650	1.40	8.0	17.5	
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Witnessed By: Umar Zahid (QA/QC Engr, UNISON)

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

UNISON

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CM UNISON Pvt Ltd.(University of Management and Technology Lahore) (MAP-Building)

Client Reference: 2508/UNI/UMT/MAP/03

SOM Lab

Ref:

1896-1933(P-2/2)

Dated: 03-10-2025

Dated:

07-10-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Hunza 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	1.482	6	0.745	0.44	0.436	14.44	19.27	72400	73070	96570	97460	1.50	8.0	18.8	
2	1.484	6	0.745	0.44	0.436	14.44	19.32	72400	73070	96830	97710	1.40	8.0	17.5	
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Witnessed By: Umar Zahid (QA/QC Engr, UNISON)

BEND TEST:

6 Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Three Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Jamil Alam
Head Quality Assurance FF Steel Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 1899 (Page-1/1)

Dated: 04-10-2025

Dated: 07-10-2025

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	1.466	6	0.741	0.44	0.431	14.07	18.76	70510	71990	94020	95980	1.30	8.0	16.3	No. 1
2	1.464	6	0.740	0.44	0.430	14.14	18.86	70870	72520	94530	96730	1.40	8.0	17.5	No. 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