



# Plain and Reinforced Concrete Laboratory

## Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan  
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

**ORIGINAL**  
A carbon copy for the report has been retained in the lab for record.

8286  
Dr. Usman Akmal

**To:** Program Director  
Punjab Family Planning Program  
Project: Construction of a Two-Story Pre-fabricated Office Building at Punjab Family Planning Program (PFPP) 05 - Montgomery Road, Lahore  
Our Ref. No. CL/CED/ 6565  
Your Ref. No. 1288/PFPP

Dated: 27/11/2024  
Dated: 20/11/2024  
**Test Specification**  
( BS 1881-116 )

### COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 22/11/2024 Tested on: 27/11/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	---	22	10	2024	6x6x6	---	8.4	36	42	2613	---	Engraved
2	---	22	10	2024	6x6x6	---	8.6	36	52	3236	---	Engraved
3	---	22	10	2024	6x6x6	---	8.4	36	42	2613	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

**Note:** Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



# Plain and Reinforced Concrete Laboratory

## Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan  
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

**ORIGINAL**  
A carbon copy for the report has been retained in the lab for record.

8295  
Dr. Qasim Khan

To: Engr. Haseeb Afzal  
Project Manager, HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore (9th Floor Columns A/1,2 C,E/1,2,4 F, G/4 & P.C A'~G/1~4')

Our Ref. No. CL/CED/ 6566

Dated: 27/11/2024

Test Specification

Your Ref. No. HMBDPL/S.O/11/24/145 (LHR)

Dated: 26-11-24

(ASTM C39)

## COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 26/11/2024 Tested on: 27/11/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	CT-164 (5000 Psi)	30	10	2024	6Diax12	---	14.4	28.28	64	5069	---	Non Engraved
2	CT-164 (5000 Psi)	30	10	2024	6Diax12	---	14	28.28	63	4990	---	Non Engraved
3	CT-164 (5000 Psi)	30	10	2024	6Diax12	---	14.8	28.28	74	5861	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Aftab Sohail (HMBD), CNIC 33103-0209597-3

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6" diax12" cylinder) strength at 28 days as compressive strength

**Note:** Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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**ORIGINAL**  
A carbon copy for the report has been retained in the lab for record.

8287  
Dr. Qasim Khan

To: Mr. Tanveer Humayun  
A.Architect, Fortress Square Mall Management, Fortress Square Service (Pvt) Ltd

Project: Extension of Top Roof at Fortress Square Mall Lahore.

Our Ref. No. CL/CED/ 6567-1 of 2

Dated: 27/11/2024

Test Specification

Your Ref. No. Nil

Dated: 22/11/2024

(ASTM C39)

## COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 22/11/2024 Tested on: 27/11/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Mezzanine Beam & Slab E-L/1-8	19	10	2024	6Diax12	---	13.4	28.28	45	3564	---	Engraved
2	Mezzanine Beam & Slab E-L/1-8	19	10	2024	6Diax12	---	13.4	28.28	54	4277	---	Engraved
3	Mezzanine Beam & Slab E-L/1-8	19	10	2024	6Diax12	---	14.4	28.28	53	4198	---	Engraved
4	Mezzanine Beam & Slab E-L/1-8	19	10	2024	6Diax12	---	14	28.28	52	4119	---	Engraved
5	Mezzanine Beam & Slab E-L/1-8	19	10	2024	6Diax12	---	14	28.28	56	4436	---	Engraved
6	Mezzanine Beam & Slab E-L/1-8	19	10	2024	6Diax12	---	13.6	28.28	48	3802	---	Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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8287  
 Dr. Qasim Khan

To: Mr. Tanveer Humayun  
 A.Architect, Fortress Square Mall Management, Fortress Square Service (Pvt) Ltd

Project: Extension of Top Roof at Fortress Square Mall Lahore

Our Ref. No. CL/CED/ 6567-2 of 2

Dated: 27/11/2024

Test Specification

Your Ref. No. Nil

Dated: 22/11/2024

( BS 1881-116 )

## COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 22/11/2024    Tested on: 27/11/2024    in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Mezzanine Beam & Slab E-L/1-8	19	10	2024	6x6x6	---	8.6	36	50	3111	---	Engraved
2	Mezzanine Beam & Slab E-L/1-8	19	10	2024	6x6x6	---	8.4	36	44	2738	---	Engraved
3	Mezzanine Beam & Slab E-L/1-8	19	10	2024	6x6x6	---	8.4	36	60	3733	---	Engraved
4	Column 770-786 at K/3,5	9	11	2024	6x6x6	---	8.6	36	63	3920	---	Engraved
5	Column 770-786 at K/3,5	9	11	2024	6x6x6	---	9	36	64	3982	---	Engraved
6	Column 770-786 at K/3,5	9	11	2024	6x6x6	---	8.8	36	67	4169	---	Engraved
7	Column 770-786 at K/6,7 & L/5	11	11	2024	6x6x6	---	9	36	48	2987	---	Engraved
8	Column 770-786 at K/6,7 & L/5	11	11	2024	6x6x6	---	8.2	36	65	4044	---	Engraved
9	Column 770-786 at K/6,7 & L/5	11	11	2024	6x6x6	---	9	36	44	2738	---	Engraved
10	Column 770-786 at E/5,6 & L/6	14	11	2024	6x6x6	---	8.2	36	46	2862	---	Engraved
11	Column 770-786 at E/5,6 & L/6	14	11	2024	6x6x6	---	9	36	50	3111	---	Engraved
12	Column 770-786 at E/5,6 & L/6	14	11	2024	6x6x6	---	8.8	36	45	2800	---	Engraved
13	---	---	---	---	---	---	---	---	---	---	---	---
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8290  
 Dr. Qasim Khan

To: Mr. Tahawar Owais  
 Project Manager, DSG Energy, DS Global Pvt Ltd, Garden Town, Lahore

Project: Construction of Office Building at 29-M QIE, Lahore.

Our Ref. No. CL/CED/ 6568

Dated: 27/11/2024

Test Specification

Your Ref. No. Nil

Dated: Nil

(ASTM C39)

## COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 25/11/2024 Tested on: 27/11/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	---	14	11	2024	6Diax12	---	13.6	28.28	61	4832	---	Non Engraved
2	---	14	11	2024	6Diax12	---	14	28.28	68	5386	---	Non Engraved
3	---	14	11	2024	6Diax12	---	14.2	28.28	70	5545	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* as engraved on the specimens (if any)
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**Note:** Above results pertain to the unsealed samples supplied to the laboratory

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



**Plain and Reinforced Concrete Laboratory**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
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ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

8288  
 Dr. Qasim Khan

**To:** Mr. Zia-ur-Rauf  
 Resident Engineer, New Vision Engineering Consultant  
 Project: Modernization & Up-Gradation of Pakistan Mint, Phase-II-A, Shalimar Town, G.T. Road, Lahore (Block-II)  
 Our Ref. No. CL/CED/ 6569      Dated: 27/11/2024      Test Specification  
 Your Ref. No. NVEC/RE/PAKMINT/2024/58      Dated: 06-11-24      (ASTM C39)

## COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 22/11/2024 Tested on: 27/11/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Col.(Plinth Beam to Bracing Beam)	28	8	2024	6Diax12	---	15	28.28	72	5703	---	Non Engraved
2	Col.(Plinth Beam to Bracing Beam)	28	8	2024	6Diax12	---	15	28.28	78	6178	---	Non Engraved
3	Col.(Plinth Beam to Bracing Beam)	28	8	2024	6Diax12	---	15.2	28.28	88	6970	---	Non Engraved
4	Bracing Beam	9	10	2024	6Diax12	---	14	28.28	72	5703	---	Non Engraved
5	Bracing Beam	9	10	2024	6Diax12	---	14.8	28.28	82	6495	---	Non Engraved
6	Bracing Beam	9	10	2024	6Diax12	---	15	28.28	69	5465	---	Non Engraved
7	Col.(Bracing beam to Slab beam)	27	10	2024	6Diax12	---	14.4	28.28	89	7050	---	Non Engraved
8	Col.(Bracing beam to Slab beam)	27	10	2024	6Diax12	---	15	28.28	80	6337	---	Non Engraved
9	Col.(Bracing beam to Slab beam)	27	10	2024	6Diax12	---	14	28.28	77	6099	---	Non Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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8229  
Dr. Qasim Khan

To: Mr. Muhammad Intikhab Akbar  
TAMEER Construction (Pvt) Ltd, SMART SOLUTIONS, Thokar Niaz Baig, Lahore.

Project: Indus Sugar Mills Ltd at Rajanpur Civil Works BMR-2024

Our Ref. No. CL/CED/ 6570

Dated: 27/11/2024

Test Specification

Your Ref. No. TCPL/ISML-CON/24/6357/02

Dated: 11-11-24

(ASTM C39)

## COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 13/11/2024 Tested on: 27/11/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	3000 Psi	17	10	2024	6Diax12	---	13.6	28.28	76	6020	---	Non Engraved
2	3000 Psi	17	10	2024	6Diax12	---	14	28.28	55	4356	---	Non Engraved
3	3000 Psi	17	10	2024	6Diax12	---	14	28.28	67	5307	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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8291  
 Dr. Qasim Khan

**To: Mr. Muhammad Asif**  
 Site Incharge, Canal44 Luxury Apartments, New Garden Town, Lahore

**Project: Canal44 Luxury Apartments**

**Our Ref. No. CL/CED/ 6571**

**Dated: 27/11/2024**

**Test Specification**

**Your Ref. No. Nil**

**Dated: Nil**

**(ASTM C39)**

## COMPRESSION TEST REPORT



**Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers**

**Specimens received on: 25/11/2024    Tested on: 27/11/2024    in dry/wet condition**

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	---	11	11	2024	6Diax12	---	14	28.28	41	3248	---	Non Engraved
2	---	11	11	2024	6Diax12	---	14	28.28	37	2931	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:**

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6" diax12" cylinder) strength at 28 days as compressive strength

**Note:** Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

8293  
 Dr. Qasim Khan

To: Project Manager  
 TOWER 21 GULBERG II LHR, PERFETTO CONSTRUCTION CO, Lahore

Project: Construction of Tower 21 Gulberg II Lahore (2nd Floor Column)

Our Ref. No. CL/CED/ 6572

Dated: 27/11/2024

Test Specification

Your Ref. No. LHR/R/787

Dated: 25/11/2024

(ASTM C39)

## COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on:  Tested on:  in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	4000 Psi	24	10	2024	6Diax12	---	15	28.28	30	2376	---	Non Engraved
2	4000 Psi	24	10	2024	6Diax12	---	14	28.28	26	2059	---	Non Engraved
3	4000 Psi	24	10	2024	6Diax12	---	13.6	28.28	29	2297	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6" diax12" cylinder) strength at 28 days as compressive strength

**Note:** Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



# Plain and Reinforced Concrete Laboratory

## Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan  
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

**ORIGINAL**  
A carbon copy for the report has been retained in the lab for record.

8293  
Dr. Qasim Khan

To: Project Manager  
TOWER 21 GULBERG II LHR, PERFETTO CONSTRUCTION CO, Lahore

Project: Construction of Tower 21 Gulberg II Lahore (First Floor Slab)

Our Ref. No. CL/CED/ 6573

Dated: 27/11/2024

Test Specification

Your Ref. No. LHR/R/786

Dated: 25/11/2024

(ASTM C39)

## COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 25/11/2024 Tested on: 27/11/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	3000 Psi	23	10	2024	6Diax12	---	13.4	28.28	36	2851	---	Non Engraved
2	3000 Psi	23	10	2024	6Diax12	---	13.8	28.28	32	2535	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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University of Engineering and Technology, Lahore, Pakistan  
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**ORIGINAL**  
 A carbon copy for the report has been retained in the lab for record.

8267  
 Dr. Qasim Khan

To: Mr. AQEEL ASLAM  
 HOD/Manager Civil Department, Fatima Memorial Hospital, Shadman Lahore

Project: Construction of New Building at Fatima Memorial Hospital Lahore (Lift Shaft of 4th Floor)

Our Ref. No. CL/CED/ 6574

Dated: 27/11/2024

Test Specification

Your Ref. No. FMH/RAF/con/33

Dated: 19/11/2024

(ASTM C39)

## COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 19/11/2024 Tested on: 27/11/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	4000 Psi	12	11	2024	6Diax12	---	14	28.28	40	3168	---	Engraved
2	4000 Psi	12	11	2024	6Diax12	---	14.4	28.28	42	3327	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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