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.

8948
Dr. Umbreen

To: Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Guest House)

Our Ref. No. CL/CED/ 7541 Dated: 27/02/2025

Your Ref. No. G3/UON-RE/696 Dated: 18/02/2025

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19/02/2025 Tested on: 27/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Mumty Column (4000 Psi)	11	12	2024	6Diax12	---	14	28.28	46	3644	---	Engraved
2	Mumty Column (4000 Psi)	11	12	2024	6Diax12	---	14	28.28	50	3960	---	Engraved
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
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ORIGINAL
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8948
Dr. Umbreen

To: Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Grade 18,19 House # 01)

Our Ref. No. CL/CED/ 7542 Dated: 27/02/2025 **Test Specification**

Your Ref. No. G3/UON-RE/697 Dated: 18/02/2025 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19/02/2025 **Tested on:** 27/02/2025 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	First Floor Roof Slab (3000 Psi)	7	12	2024	6Diax12	---	13.6	28.28	36	2851	---	Engraved
2	First Floor Roof Slab (3000 Psi)	7	12	2024	6Diax12	---	13.8	28.28	34	2693	---	Engraved
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

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

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2.The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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8948
Dr. Umbreen

To: Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Grade 18,19 House # 04)

Our Ref. No. CL/CED/ 7543 Dated: 27/02/2025 **Test Specification**

Your Ref. No. G3/UON-RE/698 Dated: 18/02/2025 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19/02/2025 **Tested on:** 27/02/2025 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	First Floor Roof Slab (3000 Psi)	5	1	2025	6Diax12	---	14	28.28	59	4673	---	Engraved
2	First Floor Roof Slab (3000 Psi)	5	1	2025	6Diax12	---	14.6	28.28	50	3960	---	Engraved
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
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8948
Dr. Umbreen

To: Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Grade 18,19 House # 05)

Our Ref. No. CL/CED/ 7544 Dated: 27/02/2025 **Test Specification**

Your Ref. No. G3/UON-RE/699 Dated: 18/02/2025 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19/02/2025 **Tested on:** 27/02/2025 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	First Floor Roof Slab (3000 Psi)	5	1	2025	6Diax12	---	14	28.28	38	3010	---	Engraved
2	First Floor Roof Slab (3000 Psi)	5	1	2025	6Diax12	---	14.6	28.28	48	3802	---	Engraved
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
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ORIGINAL
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8948
Dr. Umbreen

To: Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Male Faculty Hostel)

Our Ref. No. CL/CED/ 7545 Dated: 27/02/2025

Your Ref. No. G3/UON-RE/700 Dated: 18/02/2025

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19/02/2025 Tested on: 27/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	2nd Floor Roof Slab (3000 Psi)	28	11	2024	6Diax12	---	14	28.28	44	3485	---	Engraved
2	First Floor Roof Slab (3000 Psi)	28	11	2024	6Diax12	---	14	28.28	72	5703	---	Engraved
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2.The test results are recommended to be interpreted in the light of above factors by the engineer.

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8948
Dr. Umbreen

To: Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Female Faculty Hostel). (Portion A)

Our Ref. No. CL/CED/ 7546 Dated: 27/02/2025 **Test Specification**

Your Ref. No. G3/UON-RE/701 Dated: 18/02/2025 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19/02/2025 **Tested on:** 27/02/2025 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	2nd Floor Column (4000 Psi)	9	1	2025	6Diax12	---	13.8	28.28	48	3802	---	Engraved
2	2nd Floor Column (4000 Psi)	9	1	2025	6Diax12	---	13.6	28.28	48	3802	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2.The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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8998
Engr. Usman Ali

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

Project: Commercial Tower, Finance Trade Centre, Lahore (12th Floor Shear wall J~M/1~2 & Columns C,E,F/4 & P,C A'~G/1~4')

Our Ref. No. CL/CED/ 7547 **Dated:** 27/02/2025 **Test Specification**

Your Ref. No. HMBDPL/S.O/02/25/175 (LHR) **Dated:** 27/02/2025 **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 27/02/2025 **Tested on:** 27/02/2025 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	CT-187 (5000 Psi)	30	1	2025	6Diax12	---	14.2	28.28	70	5545	---	Non Engraved
2	CT-187 (5000 Psi)	30	1	2025	6Diax12	---	14	28.28	83	6574	---	Non Engraved
3	CT-187 (5000 Psi)	30	1	2025	6Diax12	---	14.4	28.28	74	5861	---	Non Engraved
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Witnessed by: Mr. Aftab, HMBD, CNIC # 33103-0209597-3

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

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

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**