



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.

7534
Dr. Umbreen

To: Sub Divisional Officer
Buildings Sub Division Chakwal.

Project: CONSTRUCTION OF NEW BUILDING OF POLICE STATION WANHAR (RURAL) DISTRICT CHAKWAL
ADP NO. 3987 FOR THE YEAR 2022-23.

Our Ref. No. CL/CED/ 5439

Dated: 01-08-24

Test Specification

Your Ref. No. 913/CKW

Dated: 31-07-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 01-08-24 Tested on: 01-08-24 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	Roof Slab (1:2:4)	3	7	2024	6x6x6	---	8.6	36	42	2613	---	Non Engraved
2	Roof Slab (1:2:4)	3	7	2024	6x6x6	---	8.6	36	48	2987	---	Non Engraved
3	Roof Slab (1:2:4)	3	7	2024	6x6x6	---	8.4	36	53	3298	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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



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

7530
Dr. Umbreen

To: Ittefaq Building Solutions Pvt. Ltd.
189,190 Commercial Area, Airline Society, Lahore.

Project: Construction of Learning Alliance School (Grid 04 to 07, Line A to C)

Our Ref. No. CL/CED/ 5440

Dated: 01-08-24

Test Specification

Your Ref. No. Nil

Dated: 31-07-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 31-07-24 Tested on: 01-08-24 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	Basement Slab (3000 Psi)	20	7	2024	6Diax12	---	13.4	28.28	36	2851	---	Non Engraved
2	Basement Slab (3000 Psi)	20	7	2024	6Diax12	---	13	28.28	32	2535	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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



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ORIGINAL
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7530
 Dr. Umbreen

To: Ittefaq Building Solutions Pvt. Ltd.
 189,190 Commercial Area, Airline Society, Lahore.

Project: Construction of Learning Alliance School (Grid 01,05,06, 07, Line D, G)

Our Ref. No. CL/CED/ 5441

Dated: 01-08-24

Test Specification

Your Ref. No. Nil

Dated: 31-07-24

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 31-07-24 **Tested on:** 01-08-24 **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	Columns (4500 Psi)	20	7	2024	6Diax12	---	14	28.28	44	3485	---	Non Engraved
2	Columns (4500 Psi)	20	7	2024	6Diax12	---	14	28.28	42	3327	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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7530
 Dr. Umbreen

To: Ittefaq Building Solutions Pvt. Ltd.
 189,190 Commercial Area, Airline Society, Lahore.

Project: Construction of Learning Alliance School (Cafeteria)

Our Ref. No. CL/CED/ 5442

Dated: 01-08-24

Test Specification

Your Ref. No. Nil

Dated: 31-07-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 31-07-24 **Tested on:** 01-08-24 **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	Slab B (3000 Psi)	2	7	2024	6Diax12	---	14	28.28	66	5228	---	Non Engraved
2	Slab B (3000 Psi)	2	7	2024	6Diax12	---	14	28.28	64	5069	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

7503
Dr. Umbreen

To: Project Manager
PAKMIX Ready Mix Concrete.

Project: Construction of Waleed Ahmad (45-46-47 A Side) Broadway Commercial Alkibir Town Phase-II, Dayim Signature Apartments.
Our Ref. No. CL/CED/ 5443

Dated: 01-08-24

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: 25-07-24 Tested on: 01-08-24 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)	21	5	2024	6Diax12	---	13.4	28.28	22	1743	---	Non Engraved
2	(3000 Psi)	21	5	2024	6Diax12	---	13.4	28.28	25	1980	---	Non Engraved
3	(3000 Psi)	21	5	2024	6Diax12	---	13.6	28.28	40	3168	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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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Director/Dy. Director Concrete Laboratory



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7503
Dr. Umbreen

To: Project Manager
PAKMIX Ready Mix Concrete.

Project: Construction of Waleed Ahmad (45-46-47 A Side) Broadway Commercial Alkabar Town Phase-II, Dayim Signature Apartments.
Our Ref. No. CL/CED/ 5444

Dated: 01-08-24

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: 25-07-24 Tested on: 01-08-24 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)	1	6	2024	6Diax12	---	13.8	28.28	68	5386	---	Non Engraved
2	(3000 Psi)	1	6	2024	6Diax12	---	13.8	28.28	54	4277	---	Non Engraved
3	(3000 Psi)	1	6	2024	6Diax12	---	14	28.28	70	5545	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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7532
 Dr. Umbreen

To: Sub Divisional Officer
 Buildings Sub Division No.9, Lahore.

Project: Establishment of Safe City Girls Hostel at Lahore. (Raft Foundation and Footing Beam)

Our Ref. No. CL/CED/ 5445

Dated: 01-08-24

Test Specification

Your Ref. No. 426/9th

Dated: 01-07-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 31-07-24 **Tested on:** 01-08-24 **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	(1:2:4) (3000 psi)	27	5	2024	6x6x6	---	9.2	36	58	3609	---	Non Engraved
2	(1:2:4) (3000 psi)	27	5	2024	6x6x6	---	9	36	68	4231	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

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Director/Dy. Director Concrete Laboratory



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 Dr. Umbreen

To: Sub Divisional Officer
 Buildings Sub Division No.9, Lahore.

Project: Establishment of Safe City Girls Hostel at Lahore. (Raft Foundation and Footing Beam)

Our Ref. No. CL/CED/ 5446

Dated: 01-08-24

Test Specification

Your Ref. No. 429/9th

Dated: 01-07-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 31-07-24 **Tested on:** 01-08-24 **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	(1:1.5:3)(4000 psi)	28	5	2024	6x6x6	---	9	36	66	4107	---	Non Engraved
2	(1:1.5:3)(4000 psi)	28	5	2024	6x6x6	---	9	36	110	6844	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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- ** 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

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- 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.

7532
 Dr. Umbreen

To: Sub Divisional Officer
 Buildings Sub Division No.9, Lahore.

Project: Establishment of Safe City Girls Hostel at Lahore. (Plinth Beam)

Our Ref. No. CL/CED/ 5447

Dated: 01-08-24

Test Specification

Your Ref. No. 431/9th

Dated: 03-07-24

(BS 1881-116)

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	(1:2:4) (3000 psi)	30	5	2024	6x6x6	---	9	36	64	3982	---	Non Engraved
2	(1:2:4) (3000 psi)	30	5	2024	6x6x6	---	9	36	80	4978	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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



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

7456
 Dr. Umbreen

To: Mr. Muhammad Saleem
 GM, Professional Construction Services (Pvt.) Ltd.

Project: Construction of TCF Secondary School Basti Arain Tehsil Ahmedpur Bahawalpur.

Our Ref. No. CL/CED/ 5448

Dated: 01-08-24

Test Specification

Your Ref. No. PCS/24/Eng-51

Dated: 15-07-24

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 15-07-24 **Tested on:** 01-08-24 **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	---	---	---	8.5 x 4.1 x 2.8	2935	2535	34.85	38	2442	15.78	---
2	11	---	---	---	8.5 x 4.2 x 2.8	3240	2830	35.7	36	2259	14.49	---
3	11	---	---	---	8.4 x 4.1 x 2.6	2985	2650	34.44	40	2602	12.64	---
4	11	---	---	---	8.4 x 4 x 2.6	3055	2730	33.6	42	2800	11.9	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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" dia x 12" cylinder) strength at 28 days as compressive strength

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

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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

7493
 Dr. Umbreen

To: Lt. Col. (R) Muhammad Ibrahim
 Senior Estate Engineer, Sundar Industrial Estate. (M/s Al-Wareed Engineering (Pvt.) Ltd.)
Project: Const. of U-Turn Near Colgate, Repair & Maintenance of Data Center at Rescue Building, Const. of Fire Hydrant Chambers at SIE & Development of Rescue Back Side Area.
Our Ref. No. CL/CED/ 5449 **Dated:** 01-08-24
Your Ref. No. BOM/SIE/BCD 7-24/436 **Dated:** 24-07-24

Test Specification
 (BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 24-07-24 Tested on: 01-08-24 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	S	---	---	---	8.8 x 4.2 x 2.6	3350	3035	36.96	32	1939	10.38	---
2	S	---	---	---	8.8 x 4.2 x 2.5	3280	2935	36.96	44	2667	11.75	---
3	S	---	---	---	8.8 x 4.2 x 2.8	3310	3010	36.96	44	2667	9.97	---
4	S	---	---	---	8.8 x 4.2 x 2.7	3480	3165	36.96	46	2788	9.95	---
5	S	---	---	---	8.7 x 4.2 x 2.8	3390	3065	36.54	30	1839	10.6	---
6	S	---	---	---	8.8 x 4.1 x 2.9	3415	3105	36.08	32	1987	9.98	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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