

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.

> 1794 Dr.M.Yousaf

To: Mr.M. Khalid Zaman (Resident Engineer)

Our Ref. No. CL/CED/ 4859

M/s Engineering Consultancy Services Punjab (Pvt.) Ltd. Lahore.

Project: Supply, Construction, Installation, of Water Filteration Plants & Direct Supply, in Lahore Division,

Dated:

06-09-21

Your Ref. No. ECSP/PAPA/CZ-LHR-43 Dated: 23-08-21

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-21 Tested on: 03-09-21 in dry/wet condition





Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
	Roshan Bhella		MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)		(Imp.Tons)	(psi)	G.: (70)	
1	Kasur (1:2:4)	2	7	2021	6Diax12		14.4	28.28	67	5307		Engraved
2	Roshan Bhella Kasur (1:2:4)	2	7	2021	6Diax12		14	28.28	63	4990		Engraved
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Witnessed by:

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 comprerssive strength

- 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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ORIGINAL

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> 1794 Dr.M.Yousaf

To: Mr.M. Khalid Zaman (Resident Engineer)

Our Ref. No. CL/CED/ 4860

M/s Engineering Consultancy Services Punjab (Pvt.) Ltd. Lahore.

Project: Supply, Construction, Installation, of Water Filteration Plants & Direct Supply, in Lahore Division,

Dated:

06-09-21

Your Ref. No. ECSP/PAPA/CZ-LHR-44 Dated: 24-08-21

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-21 Tested on: 03-09-21 in dry/wet condition





Sr. No.	Mark*	Cas		Date*	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Lukhney Key (1:2:4)	14	7	2021	6Diax12		14	28.28	73	5782		Engraved
2	Lukhney Key (1:2:4)	14	7	2021	6Diax12		14	28.28	70	5545		Engraved
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Witnessed by:

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- 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 comprerssive strength

- 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)
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ORIGINAL

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> 1794 Dr.M.Yousaf

To: Mr.M. Khalid Zaman (Resident Engineer)

Our Ref. No. CL/CED/ 4861

M/s Engineering Consultancy Services Punjab (Pvt.) Ltd. Lahore.

Project: Supply, Construction, Installation, of Water Filteration Plants & Direct Supply, in Lahore Division,

...,

Dated:

07-09-21

Your Ref. No. ECSP/PAPA/CZ-LHR-46 Dated: 24-08-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-21 Tested on: 03-09-21 in dry/wet condition



Test Specification

(ASTM C39)



Sr. No.	Mark*			Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Khambianwala (1:2:4)	5	7	2021	6Diax12		14	28.28	73	5782		Engraved
2	Khambianwala (1:2:4)	5	7	2021	6Diax12		14	28.28	61	4832		Engraved
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Witnessed by:

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- 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 comprerssive strength

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ORIGINAL

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> 1794 Dr.M.Yousaf

To: Mr.M. Khalid Zaman (Resident Engineer)

Our Ref. No. CL/CED/ 4862

M/s Engineering Consultancy Services Punjab (Pvt.) Ltd. Lahore.

Project: Supply, Construction, Installation, of Water Filteration Plants & Direct Supply, in Lahore Division,

Dated:

07-09-21

Your Ref. No. ECSP/PAPA/CZ-LHR-47 Dated: 23-08-21

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-21 Tested on: 03-09-21 in dry/wet condition





Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section	load		Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
1	Dala Naggal, Shahkot (1:2:4)	19	7	2021	6Diax12		14	28.28	79	6257		Engraved
2	Dala Naggal, Shahkot (1:2:4)	19	7	2021	6Diax12		13.8	28.28	63	4990		Engraved
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Witnessed by:

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- 3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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> 1794 Dr.M.Yousaf

To: Mr.M. Khalid Zaman (Resident Engineer)

Our Ref. No. CL/CED/ 4863

M/s Engineering Consultancy Services Punjab (Pvt.) Ltd. Lahore.

Project: Supply, Construction, Installation, of Water Filteration Plants & Direct Supply, in Lahore Division,

Dated:

07-09-21

Your Ref. No. ECSP/PAPA/CZ-LHR-48 Dated: 23-08-21

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-21 Tested on: 03-09-21 in dry/wet condition





Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Dala Naggal, Shahkot (1:2:4)	19	7	2021	6Diax12		14	28.28	79	6257		Engraved
2	Dala Naggal, Shahkot (1:2:4)	19	7	2021	6Diax12		13.8	28.28	63	4990		Engraved
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Witnessed by:

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> 1794 Dr.M.Yousaf

To: Mr.M. Khalid Zaman (Resident Engineer)

Our Ref. No. CL/CED/ 4864

M/s Engineering Consultancy Services Punjab (Pvt.) Ltd. Lahore.

Project: Supply, Construction, Installation, of Water Filteration Plants & Direct Supply, in Lahore Division,

Dated:

07-09-21

Your Ref. No. ECSP/PAPA/CZ-LHR-48 Dated: 23-08-21

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-21 Tested on: 03-09-21 in dry/wet condition





Sr. No.	Mark*			Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Balair Chal 46 (1:2:4)	19	7	2021	6Diax12		13.4	28.28	60	4752		Engraved
2	Balair Chal 46 (1:2:4)	19	7	2021	6Diax12		13.6	28.28	68	5386		Engraved
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Witnessed by:

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> 1794 Dr.M.Yousaf

To: Mr.M. Khalid Zaman (Resident Engineer)

Our Ref. No. CL/CED/ 4865

M/s Engineering Consultancy Services Punjab (Pvt.) Ltd. Lahore.

Project: Supply, Construction, Installation, of Water Filteration Plants & Direct Supply, in Lahore Division,

Dated:

07-09-21

Your Ref. No. ECSP/PAPA/CZ-LHR-50 Dated: 22-08-21

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-21 Tested on: 03-09-21 in dry/wet condition





Sr. No.	Mark*			Date*	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)			Water Absorpti on (%)	Remarks
1	Ghandian Otar (1:2:4)	14	7	2021	6Diax12		14	28.28	69	5465		Engraved
2	Ghandian Otar (1:2:4)	14	7	2021	6Diax12		14	28.28	76	6020		Engraved
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Witnessed by:

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- 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 comprerssive strength

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

ORIGINAL

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> 1787 Dr.M.Yousaf

To: Mr.M. Shahbaz

M/s Imperium Hospitality, Lahore.

Project: Nil

 Our Ref. No. CL/CED/
 4866
 Dated:
 07-09-21
 Test Specification

 Your Ref. No.
 IHPL/Con/370
 Dated:
 10-08-21
 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 25-08-21 Tested on: 02-09-21 in dry/wet condition





Sr. No.	Mark*			Date*	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	14(8000) Psi	23	6	2021	6Diax12		15	28.28	148	11723		Non Engraved
2	15(8000) Psi	23	6	2021	6Diax12		15	28.28	142	11248		Non Engraved
3	16(8000) Psi	23	6	2021	6Diax12		14.2	28.28	126	9980		Non Engraved
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Witnessed by: Ali Hasnain CNIC 3530154140483

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

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

ORIGINAL

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> 1787 Dr.M.Yousaf

To: Mr.M. Shahbaz

M/s Imperium Hospitality, Lahore.

Project: Nil

 Our Ref. No. CL/CED/
 4867
 Dated:
 07-09-21
 Test Specification

 Your Ref. No.
 IHPL/Con/371
 Dated:
 10-08-21
 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 25-08-21 Tested on: 02-09-21 in dry/wet condition





Sr. No.	Mark*			Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)		Water Absorpti on (%)	Remarks
1	4(4000) Psi	23	6	2021	6Diax12		14.6	28.28	55	4356		Non Engraved
2	7(4000) Psi	23	6	2021	6Diax12		14	28.28	53	4198		Non Engraved
3	8(4000) Psi	23	6	2021	6Diax12		14.4	28.28	86	6812		Non Engraved
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Witnessed by: Ali Hasnain CNIC 3530154140483

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> 1787 Dr.M.Yousaf

To: Mr.M. Shahbaz

M/s Imperium Hospitality, Lahore.

Project: Nil

 Our Ref. No. CL/CED/
 4868
 Dated:
 07-09-21
 Test Specification

 Your Ref. No.
 IHPL/Con/372
 Dated:
 10-08-21
 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 25-08-21 Tested on: 02-09-21 in dry/wet condition





Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	4(4000) Psi	27	6	2021	6Diax12		13.2	28.28	58	4594		Non Engraved
2	5(4000) Psi	27	6	2021	6Diax12		14	28.28	55	4356		Non Engraved
3	6(4000) Psi	27	6	2021	6Diax12		13.4	28.28	59	4673		Non Engraved
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Witnessed by: Ali Hasnain CNIC 3530154140483

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- 3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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> 1787 Dr.M.Yousaf

To: Mr.M. Shahbaz

M/s Imperium Hospitality, Lahore.

Project: Nil

 Our Ref. No. CL/CED/
 4869
 Dated:
 07-09-21
 Test Specification

 Your Ref. No.
 IHPL/Con/373
 Dated:
 10-08-21
 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 25-08-21 Tested on: 02-09-21 in dry/wet condition





Sr. No.	Mark*			Date*	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	11(8000) Psi	29	6	2021	6Diax12		14.6	28.28	131	10376		Non Engraved
2	14(8000) Psi	29	6	2021	6Diax12		15	28.28	143	11327		Non Engraved
3	15(8000) Psi	29	6	2021	6Diax12		14.2	28.28	105	8317		Non Engraved
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Witnessed by: Ali Hasnain CNIC 3530154140483

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

- 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.



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.

> 1787 Dr.M.Yousaf

To: Mr.M. Shahbaz

M/s Imperium Hospitality, Lahore.

Project: Nil

 Our Ref. No. CL/CED/
 4870
 Dated:
 07-09-21
 Test Specification

 Your Ref. No.
 IHPL/Con/374
 Dated:
 10-08-21
 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 25-08-21 Tested on: 02-09-21 in dry/wet condition





Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section		Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	OII (70)	
1	13(8000) Psi	3	7	2021	6Diax12		14.4	28.28	140	11089		Non Engraved
2	14(8000) Psi	3	7	2021	6Diax12		15	28.28	148	11723		Non Engraved
3	15(8000) Psi	3	7	2021	6Diax12		15.5	28.28	140	11089		Non Engraved
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Witnessed by: Ali Hasnain CNIC 3530154140483

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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.

> 1787 Dr.M.Yousaf

To: Mr.M. Shahbaz

M/s Imperium Hospitality, Lahore.

Project: Nil

 Our Ref. No. CL/CED/
 4871
 Dated:
 07-09-21
 Test Specification

 Your Ref. No.
 IHPL/Con/375
 Dated:
 10-08-21
 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 25-08-21 Tested on: 02-09-21 in dry/wet condition





Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	14(8000) Psi	27	6	2021	6Diax12		15	28.28	114	9030		Non Engraved
2	15(8000) Psi	27	6	2021	6Diax12		14.2	28.28	128	10139		Non Engraved
3	16(8000) Psi	27	6	2021	6Diax12		15.4	28.28	136	10772		Non Engraved
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Witnessed by: Ali Hasnain CNIC 3530154140483

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

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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.

1846 Dr.Qasim Shaukat

To: Mr.M.Sajid

M/s Muhammad Mustaq & Associates, Lahore.

Project: Constrcution of House # 42 FCC at Gulberg Lahore.

Our Ref. No. CL/CED/ 4872 Dated:

Your Ref. No. SNRG/G-H/001 Dated: 03-09-21

COMPRESSION TEST REPORT

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

Specimens received on: 03-09-21 Tested on: 06-09-21 in dry/wet condition



Test Specification

(BS 1881-116)

07-09-21



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Porch (1:2:4)	24	8	2021	6x6x6		8.6	36	66	4107		Engraved
2	Porch (1:2:4)	24	8	2021	6x6x6		8.6	36	58	3609		Engraved
3	Porch (1:2:4)	24	8	2021	6x6x6		8.8	36	63	3920		Engraved
4	Porch (1:2:4)	24	8	2021	6x6x6		8.8	36	60	3733		Engraved
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