



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

81

Dr. Rizwan Riaz

To: Mr. Ali Naeem
Faisalabad
Project: Nil

Our Ref. No. CL/CED/ 1115 Dated: 03-11-20

Your Ref. No. Nil Dated: 03-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 03-11-20 Tested on: 03-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|-------------------|----|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|----------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | | 6 | 10 | 2020 | 6x6x6 | 8.8 | 36 | 49 | 3050 | Engraved |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

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To: Al-Hayat Residencia
Lahore
Project: Nil

Dr.Mazhar Saleem

Our Ref. No. CL/CED/ 1116 Dated: 03-11-20
Your Ref. No. Nil Dated: 28-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-10-20 Tested on: 02-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|---------------------|----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | Wet Weight (gms) | | | | | | | | |
| 1 | 3000 Psi | 26 | 9 | 2020 | 6Diax12 | 13.2 | 28.28 | 41 | 3250 | Engraved |
| 2 | 3000 Psi | 15 | 10 | 2020 | 6Diax12 | 13.8 | 28.28 | 55 | 4360 | Non Engraved |
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Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

64

To: Sub Divisional Officer

Dr. Mazhar Saleem

Buildings Sub Division No.10, Lahore

Project: Construction of Infrastructure Forcounter Terrorism Department (CTD) Punjab, (Construction of Provincial Headquarter CTD Lahore) (Group No. 01 & Group No. 04)

Our Ref. No. CL/CED/ 1117 Dated: 03-11-20

Your Ref. No. 302/10th Dated: 17-09-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-10-20 Tested on: 02-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|------------------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1 | Rectangular Grey | | 7.8x3.9x2.3 | 2755 | 30.42 | 132 | 9720 | |
| 2 | Rectangular Grey | | 7.8x3.9x2.3 | 2707 | 30.42 | 110 | 8100 | |
| 3 | Rectangular Grey | | 7.8x3.9x2.3 | 2782 | 30.42 | 114 | 8400 | |
| 4 | Rectangular Grey | | 7.8x3.9x2.3 | 2708 | 30.42 | 104 | 7660 | |
| 5 | Rectangular Grey | | 7.8x3.9x2.3 | 2767 | 30.42 | 116 | 8550 | |
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Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

65

To: **Muhammad Essa (Chief Financial Officer)**

Dr. Mazhar Saleem

Markhor Developers (Pvt.) Ltd. Lahore

Project: Construction of 75-Shadman-I, Lahore (Tetra Engineering (Pvt.) Ltd.)

Our Ref. No. CL/CED/ 1118 Dated: 03-11-20

Your Ref. No. Nil Dated: 26-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-10-20 Tested on: 02-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------------------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | Column (6000 Psi) | 23 | 9 | 2020 | 6Diax12 | 15 | 28.28 | 110 | 8720 | Non Engraved |
| 2 | Column (6000 Psi) | 23 | 9 | 2020 | 6Diax12 | 14.6 | 28.28 | 108 | 8560 | Non Engraved |
| 3 | Column (6000 Psi) | 23 | 9 | 2020 | 6Diax12 | 14.4 | 28.28 | 104 | 8240 | Non Engraved |
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Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

66

To: **M. Sohail Anjum (Project Manager)**

Dr. Mazhar Saleem

P-156 Gulberg II, Lahore

Project: Construction of P-156 Gulberg II, Lahore

Our Ref. No. CL/CED/

1120

Dated:

03-11-20

Your Ref. No.

P-156-157

Dated:

28-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-10-20 Tested on: 02-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | 574 (3000 Psi) | 30 | 9 | 2020 | 6Diax12 | 14.4 | 28.28 | 53 | 4200 | Non Engraved |
| 2 | 576 (3000 Psi) | 30 | 9 | 2020 | 6Diax12 | 14.2 | 28.28 | 57 | 4520 | Non Engraved |
| 3 | 582 (3000 Psi) | 30 | 9 | 2020 | 6Diax12 | 14.6 | 28.28 | 57 | 4520 | Non Engraved |
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

66

To: **M. Sohail Anjum (Project Manager)**
P-156 Gulberg II, Lahore
Project: Construction of P-156 Gulberg II, Lahore

Dr.Mazhar Saleem

Our Ref. No. CL/CED/ 1121 Dated: 03-11-20

Your Ref. No. P-156-158 Dated: 28-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-10-20 Tested on: 02-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | 584 (4500 Psi) | 30 | 9 | 2020 | 6Diax12 | 14 | 28.28 | 65 | 5150 | Non Engraved |
| 2 | 586 (4500 Psi) | 30 | 9 | 2020 | 6Diax12 | 14 | 28.28 | 65 | 5150 | Non Engraved |
| 3 | 587 (4500 Psi) | 30 | 9 | 2020 | 6Diax12 | 14 | 28.28 | 77 | 6100 | Non Engraved |
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

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To: **M. Imran**
Lahore
Project: Nil

Dr. Mazhar Saleem

Our Ref. No. CL/CED/ 1122 Dated: 03-11-20

Your Ref. No. Nil Dated: 29-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-10-20 Tested on: 02-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|-------------------|----|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|----------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | | 1 | 10 | 2020 | 6x6x6 | 8.2 | 36 | 57 | 3550 | Engraved |
| 2 | | 1 | 10 | 2020 | 6x6x6 | 8 | 36 | 63 | 3920 | Engraved |
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Phone Nos. 042-99029202, 042-99029217

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To: **Engr. Zaheer Ahmad (Resident Engineer)**

Dr. Umbreen

Velosi Integrity & Safety Pakistan (Pvt.) Ltd.

Project: Construction Resident Supervision for PM-06 Modification / Online Coating For Bulleh Shah Packaging Kasur

Our Ref. No. CL/CED/ 1123 Dated: 03-11-20

Your Ref. No. V-391-BSP-006 Dated: 19-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 19-10-20 Tested on: 03-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1 | AM | | 8.8x4.3x3.0 | 3469 | 37.84 | 50 | 2960 | |
| 2 | AM | | 8.7x4.2x3.0 | 3490 | 36.54 | 53 | 3250 | |
| 3 | AM | | 8.8x4.2x3.1 | 3434 | 36.96 | 61 | 3700 | |
| 4 | AM | | 8.9x4.3x3.0 | 3393 | 38.27 | 41 | 2400 | |
| 5 | AM | | 8.8x4.2x3.0 | 3587 | 36.96 | 51 | 3100 | |
| 6 | MS | | 8.8x4.2x3.1 | 3190 | 36.96 | 43 | 2610 | |
| 7 | MS | | 8.8x4.3x3.0 | 3169 | 37.84 | 37 | 2190 | |
| 8 | MS | | 8.9x4.2x3.0 | 3150 | 37.38 | 45 | 2700 | |
| 9 | MS | | 8.7x4.3x3.0 | 3162 | 37.41 | 43 | 2580 | |
| 10 | MS | | 8.8x4.2x3.0 | 3220 | 36.96 | 45 | 2730 | |
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

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To: **Amjad Pervaiz (Assistant Executive Engineer Civil)**

Dr. Umbreen

KBCMA, CVAS, Narowal**Project: Construction of Eternal Sewerage System Water Supply/Fire Fighting System, Over Head Water Tank (5000-Gallons) Sewerage Equalization Tank No. 1 & 2, Disposal Tank No.1 & 2 Tubewell & Tubewell**

Our Ref. No. CL/CED/

1124

Dated:

03-11-20

Your Ref. No.

A.E.E/NC/020

Dated:

21-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-10-20 Tested on: 03-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|---------------------------------------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|---------|
| 1 | F-16 | | 8.6x4.0x2.8 | 2686 | 34.4 | 37 | 2410 | |
| 2 | F-16 | | 8.4x4.1x2.9 | 2780 | 34.44 | 43 | 2800 | |
| 3 | F-16 | | 8.5x4.2x2.8 | 2690 | 35.7 | 45 | 2830 | |
| 4 | F-16 | | 8.6x4.2x2.8 | 2698 | 36.12 | 51 | 3170 | |
| 5 | F-16 | | 8.5x4.1x2.7 | 2594 | 34.85 | 45 | 2900 | |
| 6 | F-16 | | 8.5x4.1x2.7 | 2578 | 34.85 | 45 | 2900 | |
| 7 | | | | | | | | |
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
University of Engineering and Technology, Lahore
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To: **Sub Divisional Officer**

Dr. Mazhar Saleem

Buildings Sub Division No.12, Lahore

Project: Construction of Hostels for Students Alongwith Inter Connecting Bridge of Fatima Jinah Medical University Lahore (2nd Floor Slab)

Our Ref. No. CL/CED/ 1125 Dated: 03-11-20

Your Ref. No. 512/SDO12th Dated: 15-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-10-20 Tested on: 02-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|---------------|---------------|-----|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
| | | Month | Day | Year | | | | | | |
| 1 | (1 : 2 : 4) | 16 | 9 | 2020 | 6x6x6 | 9 | 36 | 118 | 7350 | Non Engraved |
| 2 | (1 : 2 : 4) | 16 | 9 | 2020 | 6x6x6 | 9 | 36 | 118 | 7350 | Non Engraved |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

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To: Sub Divisional Officer

Dr.Mazhar Saleem

Buildings Sub Division No.12, Lahore

Project: Construction of Hostels for Students Alongwith Inter Connecting Bridge of Fatima Jinah Medical University Lahore (First Floor Column)

Our Ref. No. CL/CED/

1126

Dated:

03-11-20

Your Ref. No.

479/SDO12th

Dated:

01-10-20

COMPRESSION TEST REPORT

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

Specimens received on:

29-10-20

Tested on:

02-11-20

in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-----------------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | (1 : 1.5 : 3) | 3 | 9 | 2020 | 6x6x6 | 9 | 36 | 96 | 5980 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 3 | 9 | 2020 | 6x6x6 | 9 | 36 | 96 | 5980 | Non Engraved |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

70

To: **Sub Divisional Officer**

Dr.Mazhar Saleem

Buildings Sub Division No.12, Lahore

Project: Construction of Hostels for Students Alongwith Inter Connecting Bridge of Fatima Jinah Medical University Lahore (2nd Floor Column)

Our Ref. No. CL/CED/ 1127 Dated: 03-11-20

Your Ref. No. 519/SDO12th Dated: 19-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-10-20 Tested on: 02-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-----------------|----------------------|---|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | (1 : 1.5 : 3) | 20 | 9 | 2020 | 6x6x6 | 8.8 | 36 | 104 | 6480 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 20 | 9 | 2020 | 6x6x6 | 9 | 36 | 98 | 6100 | Non Engraved |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

71

To: **Zaheer-Ud-Din Baber (Sub Divisional Officer)**
Buildings Sub Division No.4, Lahore

Dr.Mazhar Saleem

Project: Construction of 02-Additional Class Room in Govt. Girls Primary School Harpalke Lahore Cantt.

Our Ref. No. CL/CED/ 1128 Dated: 03-11-20

Your Ref. No. 956/GH Dated: 16-06-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-10-20 Tested on: 02-11-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|---------------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|----------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | (1 : 2 : 4) | 16 | 3 | 2020 | 6x6x6 | 8.4 | 36 | 114 | 7100 | Engraved |
| 2 | (1 : 2 : 4) | 16 | 3 | 2020 | 6x6x6 | 8.4 | 36 | 112 | 6970 | Engraved |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
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| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

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supervisor(lab)

Director/Dy. Director Concrete Laboratory