

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Chief Tech Officer, Sheikhoo Sugar Mills, Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil

Dated: 28-02-2023

SOM Lab Ref: CED/SOM/1839(Page-1/1)

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo Steel)

Gauge Length: 200 mm

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | kg/m | mm | mm | mm ² | mm ² | kN | kN | MPa | MPa | MPa | MPa | mm | mm | % | |
| 1 | 0.888 | 12 | 12.00 | 113 | 113 | 53.50 | 84.70 | 473 | 474 | 749 | 750 | 32.5 | 200 | 16.3 | 1 |
| 2 | 0.880 | 12 | 11.95 | 113 | 112 | 53.20 | 73.70 | 470 | 475 | 652 | 658 | 35.0 | 200 | 17.5 | 2 |
| 3 | 0.882 | 12 | 11.96 | 113 | 112 | 54.20 | 76.70 | 479 | 483 | 678 | 683 | 40.0 | 200 | 20.0 | 3 |
| 4 | 0.887 | 12 | 12.00 | 113 | 113 | 54.00 | 77.70 | 477 | 478 | 687 | 688 | 32.5 | 200 | 16.3 | 4 |
| 5 | 0.883 | 12 | 11.97 | 113 | 112 | 55.00 | 78.00 | 486 | 490 | 690 | 694 | 32.5 | 200 | 16.3 | 5 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|--|
| -- | No Bend test performed | Note:- Only Five Samples Received and Tested |
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| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Awais,RE

Test Performed By: Dr. /Engr. Asad Ali Gillani

Nespak,Gujranwala.(GEPCO Employees Housing Foundation GEHF Town Phase-1 Gujranwala)

Client Reference: P4265/23/MA/184

SOM Lab

Ref: 1837 (Page-1/1)

Dated: 27-02-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Farooq Supreme)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.460 | 6 | 0.739 | 0.44 | 0.429 | 12.39 | 20.13 | 62080 | 63670 | 100910 | 103500 | 1.30 | 8.0 | 16.3 | |
| 2 | 1.432 | 6 | 0.732 | 0.44 | 0.421 | 12.08 | 19.67 | 60550 | 63280 | 98610 | 103060 | 1.20 | 8.0 | 15.0 | |
| 3 | 0.672 | 4 | 0.501 | 0.20 | 0.197 | 5.27 | 7.97 | 58120 | 59000 | 87910 | 89240 | 1.10 | 8.0 | 13.8 | |
| 4 | 0.672 | 4 | 0.501 | 0.20 | 0.197 | 5.15 | 7.87 | 56770 | 57630 | 86780 | 88100 | 1.20 | 8.0 | 15.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|-----|--|---|
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Six Samples Received and Tested |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Ghazanfar Mehmood
Lahore.

Test Performed By: Dr. /Engr. Asif Hameed

Client Reference: Nil

SOM Lab

Ref: 1838 (Page-1/1)

Dated: 01-03-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 0.649 | 4 | 0.493 | 0.20 | 0.191 | 6.27 | 8.23 | 69130 | 72390 | 90720 | 94990 | 1.20 | 8.0 | 15.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|----|------------------------|--|
| -- | No Bend test performed | Note:- Only One Sample Received and Tested |
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| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sheikhoo Steel

Test Performed By: Dr. /Engr. Asad Ali Gillani

Chief Technical Officer, Sheikhoo Sugar Mills (Steel Div) Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil

SOM Lab

Ref: 1839 (Page-1/1)

Dated: 28-02-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 2.641 | 8 | 0.994 | 0.79 | 0.776 | 25.91 | 34.20 | 72340 | 73650 | 95480 | 97200 | 1.50 | 8.0 | 18.8 | 1 |
| 2 | 2.641 | 8 | 0.994 | 0.79 | 0.776 | 25.56 | 34.10 | 71350 | 72630 | 95190 | 96910 | 1.60 | 8.0 | 20.0 | 2 |
| 3 | 2.635 | 8 | 0.993 | 0.79 | 0.774 | 24.99 | 33.79 | 69780 | 71220 | 94340 | 96290 | 1.50 | 8.0 | 18.8 | 3 |
| 4 | 2.641 | 8 | 0.994 | 0.79 | 0.776 | 25.81 | 34.12 | 72060 | 73360 | 95250 | 96970 | 1.40 | 8.0 | 17.5 | 4 |
| 5 | 2.671 | 8 | 1.000 | 0.79 | 0.785 | 25.28 | 34.53 | 70580 | 71030 | 96390 | 97000 | 1.30 | 8.0 | 16.3 | 5 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|--|
| -- | No Bend test performed | Note:- Only Five Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector C)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: 111/15/AD/RS/Lab/Pkg-2A/1180

SOM Lab

Ref: 1840 (Page-1/1)

Dated: 18-02-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Nomee Steel)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 2.615 | 8 | 0.989 | 0.79 | 0.768 | 24.97 | 35.22 | 69720 | 71720 | 98320 | 101140 | 1.50 | 8.0 | 18.8 | |
| 2 | 2.587 | 8 | 0.984 | 0.79 | 0.760 | 26.32 | 36.82 | 73480 | 76380 | 102790 | 106850 | 1.40 | 8.0 | 17.5 | |
| 3 | 0.665 | 4 | 0.498 | 0.20 | 0.195 | 6.54 | 8.94 | 72170 | 74020 | 98580 | 101110 | 1.20 | 8.0 | 15.0 | |
| 4 | 0.683 | 4 | 0.506 | 0.20 | 0.201 | 5.88 | 8.99 | 64860 | 64540 | 99150 | 98650 | 1.20 | 8.0 | 15.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

Witnessed By: Hafiz Danish Waqas LT,DHAG

BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

4 Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples
Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Abrar Hussain

Test Performed By: Dr. /Engr. Asad Ali Gillani

G.M Engg.Mughal Pakistan (Pvt) Ltd.(Construction Of Furniture Showroom at Lakhodair Lhr)

Client Reference: 786/MPL/280206/2023

SOM Lab

Ref: 1841 (Page-1/1)

Dated: 28-02-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.486 | 6 | 0.746 | 0.44 | 0.437 | 15.24 | 18.96 | 76390 | 76910 | 95040 | 95690 | 1.30 | 8.0 | 16.3 | |
| 2 | 0.672 | 4 | 0.501 | 0.20 | 0.197 | 6.88 | 8.31 | 75880 | 77030 | 91610 | 93010 | 1.40 | 8.0 | 17.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|-----|--|--|
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Four Samples Received and Tested |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Rizwan Mirza,CEO

Test Performed By: Dr. /Engr. Asif Hameed

Rizwan Mirza Consulting Engineers Lahore. (FF Steel #6, Five Megastar Steel # 4)

Client Reference: RMCE-RYK-UET-04A

SOM Lab

Ref: 1842 (Page-1/1)

Dated: 08-02-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.491 | 6 | 0.747 | 0.44 | 0.438 | 14.60 | 20.15 | 73170 | 73500 | 101020 | 101480 | 1.20 | 8.0 | 15.0 | |
| 2 | 0.666 | 4 | 0.500 | 0.20 | 0.196 | 5.56 | 8.72 | 61270 | 62520 | 96110 | 98070 | 1.25 | 8.0 | 15.6 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Witnessed By: Adnan Mahmood Dar (Manager Structure (E & P), IDAP), Mumtaz Rafiullah (ME, SAC)

BEND TEST:

| | | |
|-----|--|--|
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Four Samples Received and Tested |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

PK Steel
Lahore.

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: Nil

SOM Lab

Ref: 1843 (Page-1/1)

Dated: 01-03-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (PK Steel)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.366 | 6 | 0.715 | 0.44 | 0.401 | 12.69 | 18.30 | 63620 | 69800 | 91720 | 100640 | 1.50 | 8.0 | 18.8 | |
| 2 | 0.689 | 4 | 0.507 | 0.20 | 0.202 | 6.65 | 8.63 | 73290 | 72570 | 95210 | 94270 | 1.50 | 8.0 | 18.8 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Two Samples Received and Tested |
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Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sher Afgan, XEN

Test Performed By: Dr. /Engr. Asad Ali Gillani

GE(Army)-I.(2xSpec MT Shed 91&97 and 2x128 Men SM Bks For 97 Sig & HQ1 ALRG at Gwa Cantt)

Client Reference: 6180-2607/12/E-6

SOM Lab

Ref: 1844 (Page-1/6)

Dated: 28-02-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ Steel)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.458 | 6 | 0.738 | 0.44 | 0.428 | 15.85 | 19.78 | 79450 | 81680 | 99130 | 101900 | 1.20 | 8.0 | 15.0 | |
| 2 | 1.456 | 6 | 0.738 | 0.44 | 0.428 | 15.89 | 19.98 | 79660 | 81890 | 100150 | 102950 | 1.30 | 8.0 | 16.3 | |
| 3 | 1.054 | 5 | 0.628 | 0.31 | 0.310 | 10.86 | 13.91 | 77240 | 77240 | 98990 | 98990 | 1.20 | 8.0 | 15.0 | |
| 4 | 1.055 | 5 | 0.628 | 0.31 | 0.310 | 10.96 | 14.19 | 77960 | 77960 | 100950 | 100950 | 1.40 | 8.0 | 17.5 | |
| 5 | 0.674 | 4 | 0.502 | 0.20 | 0.198 | 6.47 | 8.28 | 71380 | 72100 | 91280 | 92200 | 1.50 | 8.0 | 18.8 | |
| 6 | 0.673 | 4 | 0.502 | 0.20 | 0.198 | 6.49 | 8.21 | 71610 | 72330 | 90490 | 91400 | 1.40 | 8.0 | 17.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Six Samples Received and Tested |
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| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sher Afgan, XEN

Test Performed By:

Dr. /Engr. Asad Ali Gillani

GE(Army)-I.(Const Of 1xQtr alongwith Kote,HQ 1 ALRG at Gwa Cantt)

Client Reference: 6180-2605/12/E-6

SOM Lab

Ref: 1844 (Page-2/6)

Dated: 28-02-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ Steel)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.448 | 6 | 0.736 | 0.44 | 0.426 | 14.04 | 18.91 | 70360 | 72670 | 94780 | 97900 | 1.40 | 8.0 | 17.5 | |
| 2 | 1.437 | 6 | 0.733 | 0.44 | 0.422 | 14.34 | 19.08 | 71890 | 74960 | 95650 | 99730 | 1.50 | 8.0 | 18.8 | |
| 3 | 1.076 | 5 | 0.634 | 0.31 | 0.316 | 11.44 | 14.42 | 81370 | 79830 | 102620 | 100670 | 1.30 | 8.0 | 16.3 | |
| 4 | 1.081 | 5 | 0.636 | 0.31 | 0.318 | 11.62 | 14.83 | 82680 | 80600 | 105520 | 102870 | 1.20 | 8.0 | 15.0 | |
| 5 | 0.666 | 4 | 0.500 | 0.20 | 0.196 | 6.32 | 8.51 | 69700 | 71120 | 93860 | 95780 | 1.30 | 8.0 | 16.3 | |
| 6 | 0.666 | 4 | 0.500 | 0.20 | 0.196 | 6.24 | 8.56 | 68800 | 70200 | 94420 | 96350 | 1.30 | 8.0 | 16.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Six Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sher Afgan, XEN

Test Performed By: Dr. /Engr. Irfan UI Hassan

GE(Army)-I.(1xCoy Store, 1xPol store,1xFiltration plant & Ramp etc For HQ 1 ALRG at Gwa Cantt)

Client Reference: 6180-2624/14/E-6

SOM Lab

Ref: 1844 (Page-3/6)

Dated: 25-02-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ Steel)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.456 | 6 | 0.738 | 0.44 | 0.428 | 14.34 | 19.01 | 71890 | 73910 | 95290 | 97960 | 1.40 | 8.0 | 17.5 | |
| 2 | 1.446 | 6 | 0.736 | 0.44 | 0.425 | 14.24 | 18.93 | 71380 | 73900 | 94880 | 98230 | 1.40 | 8.0 | 17.5 | |
| 3 | 1.077 | 5 | 0.635 | 0.31 | 0.317 | 11.31 | 14.44 | 80500 | 78720 | 102760 | 100500 | 1.30 | 8.0 | 16.3 | |
| 4 | 1.072 | 5 | 0.633 | 0.31 | 0.315 | 11.62 | 14.58 | 82680 | 81360 | 103710 | 102060 | 1.40 | 8.0 | 17.5 | |
| 5 | 0.672 | 4 | 0.501 | 0.20 | 0.197 | 6.34 | 8.31 | 69920 | 70990 | 91610 | 93010 | 1.30 | 8.0 | 16.3 | |
| 6 | 0.668 | 4 | 0.500 | 0.20 | 0.196 | 6.27 | 8.48 | 69130 | 70540 | 93530 | 95430 | 1.30 | 8.0 | 16.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Six Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sher Afgan, XEN

Test Performed By:

Dr. /Engr.

Irfan UI Hassan

GE(Army)-I.(Const Of 1x150 Men CH/DH,97 Sig Bn For HQ 1 ALRG at Gwa Cantt)

Client Reference: 6180-2612/10/E-6

SOM Lab

Ref:

1844 (Page-4/6)

Dated: 28-02-2023

Dated:

01-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ Steel)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.520 | 6 | 0.754 | 0.44 | 0.447 | 15.39 | 20.39 | 77160 | 75950 | 102190 | 100590 | 1.50 | 8.0 | 18.8 | |
| 2 | 1.516 | 6 | 0.754 | 0.44 | 0.446 | 15.19 | 19.85 | 76130 | 75110 | 99480 | 98140 | 1.40 | 8.0 | 17.5 | |
| 3 | 1.066 | 5 | 0.631 | 0.31 | 0.313 | 10.50 | 13.73 | 74700 | 73980 | 97690 | 96750 | 1.30 | 8.0 | 16.3 | |
| 4 | 1.069 | 5 | 0.632 | 0.31 | 0.314 | 10.55 | 13.73 | 75060 | 74110 | 97690 | 96440 | 1.20 | 8.0 | 15.0 | |
| 5 | 0.675 | 4 | 0.502 | 0.20 | 0.198 | 6.73 | 8.56 | 74190 | 74940 | 94420 | 95380 | 1.20 | 8.0 | 15.0 | |
| 6 | 0.671 | 4 | 0.501 | 0.20 | 0.197 | 6.88 | 8.74 | 75880 | 77030 | 96340 | 97800 | 1.20 | 8.0 | 15.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Six Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sher Afgan, XEN

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

GE(Army)-I.(Const Of 1x75 Men CH/DH, HQ 1 ALRG at Gwa Cantt)

Client Reference: 6180-2613/11/E-6

SOM Lab

Ref:

1844 (Page-5/6)

Dated: 28-02-2023

Dated:

01-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Siraj Steel)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.511 | 6 | 0.752 | 0.44 | 0.444 | 13.25 | 20.82 | 66430 | 65830 | 104340 | 103400 | 1.50 | 8.0 | 18.8 | |
| 2 | 1.515 | 6 | 0.753 | 0.44 | 0.445 | 13.46 | 20.97 | 67450 | 66690 | 105100 | 103920 | 1.30 | 8.0 | 16.3 | |
| 3 | 1.036 | 5 | 0.622 | 0.31 | 0.304 | 9.38 | 14.78 | 66720 | 68040 | 105160 | 107230 | 1.50 | 8.0 | 18.8 | |
| 4 | 1.030 | 5 | 0.621 | 0.31 | 0.303 | 9.17 | 14.70 | 65270 | 66780 | 104580 | 106990 | 1.50 | 8.0 | 18.8 | |
| 5 | 0.646 | 4 | 0.492 | 0.20 | 0.190 | 5.10 | 7.85 | 56210 | 59170 | 86560 | 91110 | 1.40 | 8.0 | 17.5 | |
| 6 | 0.646 | 4 | 0.492 | 0.20 | 0.190 | 5.12 | 7.87 | 56430 | 59400 | 86780 | 91350 | 1.50 | 8.0 | 18.8 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Six Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sher Afgan, XEN

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

GE(Army)-I.(Const Of 1xSpec MT Shed 97 Sig Bn at Gwa Cantt)

Client Reference: 6180-2601/15/E-6

SOM Lab

Ref:

1844 (Page-6/6)

Dated: 27-02-2023

Dated:

01-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 2.455 | 8 | 0.958 | 0.79 | 0.721 | 19.67 | 31.09 | 54930 | 60180 | 86800 | 95100 | 1.00 | 8.0 | 12.5 | |
| 2 | 2.495 | 8 | 0.966 | 0.79 | 0.733 | 19.93 | 31.29 | 55640 | 59960 | 87370 | 94160 | 1.30 | 8.0 | 16.3 | |
| 3 | 0.802 | 5 | 0.548 | 0.31 | 0.236 | 6.42 | 9.33 | 45690 | 60020 | 66360 | 87170 | 1.50 | 8.0 | 18.8 | |
| 4 | 0.795 | 5 | 0.546 | 0.31 | 0.234 | 6.39 | 9.28 | 45470 | 60240 | 66000 | 87430 | 1.40 | 8.0 | 17.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|--|
| -- | No Bend test performed | Note:- Only Four Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Royal Fan Industries
Rafiqabad G.T Road Gujrat.

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: 0347

SOM Lab

Ref: 1845 (Page-1/1)

Dated: 28-02-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 2.636 | 8 | 0.993 | 0.79 | 0.775 | 25.25 | 34.61 | 70490 | 71860 | 96620 | 98490 | 1.50 | 8.0 | 18.8 | |
| 2 | 2.623 | 8 | 0.991 | 0.79 | 0.771 | 25.08 | 34.35 | 70010 | 71730 | 95900 | 98270 | 1.50 | 8.0 | 18.8 | |
| 3 | 1.491 | 6 | 0.747 | 0.44 | 0.438 | 14.17 | 19.08 | 71020 | 71350 | 95650 | 96090 | 1.30 | 8.0 | 16.3 | |
| 4 | 1.489 | 6 | 0.747 | 0.44 | 0.438 | 14.60 | 19.59 | 73170 | 73500 | 98210 | 98650 | 1.30 | 8.0 | 16.3 | |
| 5 | 0.670 | 4 | 0.501 | 0.20 | 0.197 | 6.34 | 8.26 | 69920 | 70990 | 91050 | 92440 | 1.30 | 8.0 | 16.3 | |
| 6 | 0.672 | 4 | 0.501 | 0.20 | 0.197 | 6.24 | 8.38 | 68800 | 69840 | 92400 | 93810 | 1.30 | 8.0 | 16.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|-----|--|--|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Nine Samples Received and Tested |
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Rana Manzar Ali
 PM AR Enterprise Lahore.(ALFATAH EMALL PROJECT)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: AEM/ST/UET/14/04

SOM Lab

Ref: 1846 (Page-1/1)

Dated: 01-03-2023

Dated: 01-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF Steel)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.496 | 6 | 0.748 | 0.44 | 0.440 | 14.29 | 19.34 | 71640 | 71640 | 96930 | 96930 | 1.40 | 8.0 | 17.5 | |
| 2 | 1.488 | 6 | 0.746 | 0.44 | 0.437 | 13.78 | 18.81 | 69080 | 69560 | 94270 | 94920 | 1.40 | 8.0 | 17.5 | |
| 3 | 0.671 | 4 | 0.501 | 0.20 | 0.197 | 6.17 | 8.74 | 68010 | 69050 | 96340 | 97800 | 1.40 | 8.0 | 17.5 | |
| 4 | 0.668 | 4 | 0.500 | 0.20 | 0.196 | 6.09 | 8.66 | 67110 | 68480 | 95550 | 97500 | 1.30 | 8.0 | 16.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|-----|--|---|
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Six Samples Received and Tested |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Professional Const.Services
Lahore.(Faculty Apartments-8 at LUMS Lahore)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: PCS/22/Eng-07-B
Dated: 28-02-2023
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1848 (Page-1/3)
Dated: 01-03-2023
Test Specification: ASTM-A-615
Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 0.566 | 4 | 0.460 | 0.20 | 0.166 | 6.54 | 7.97 | 72170 | 86950 | 87910 | 105910 | 1.00 | 8.0 | 12.5 | |
| 2 | 0.672 | 4 | 0.501 | 0.20 | 0.197 | 5.86 | 7.44 | 64640 | 65620 | 82060 | 83310 | 1.20 | 8.0 | 15.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Two Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Professional Const.Services
Lahore.(Faculty Apartments-8 at LUMS Lahore)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: PCS/22/Eng-07-C
Dated: 28-02-2023
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1848 (Page-2/3)
Dated: 01-03-2023
Test Specification: ASTM-A-615
Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.481 | 6 | 0.744 | 0.44 | 0.435 | 15.11 | 18.42 | 75720 | 76600 | 92330 | 93390 | 1.50 | 8.0 | 18.8 | |
| 2 | 1.483 | 6 | 0.745 | 0.44 | 0.436 | 15.16 | 18.55 | 75980 | 76680 | 92990 | 93850 | 1.30 | 8.0 | 16.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Two Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Professional Const.Services
Lahore.(Faculty Apartments-8 at LUMS Lahore)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: PCS/22/Eng-07-D
Dated: 28-02-2023
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1848 (Page-3/3)
Dated: 01-03-2023
Test Specification: ASTM-A-615
Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 2.627 | 8 | 0.991 | 0.79 | 0.772 | 27.96 | 34.86 | 78060 | 79880 | 97330 | 99600 | 1.30 | 8.0 | 16.3 | |
| 2 | 2.615 | 8 | 0.989 | 0.79 | 0.768 | 27.54 | 34.48 | 76900 | 79100 | 96250 | 99000 | 1.60 | 8.0 | 20.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Two Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk