Muhammad Irfan **Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

**Client Reference:** DOC-BMC/AJWA/040 **SOM Lab Ref:** 1702 (Page-1/1)

**Dated:** 03-02-2023 **Dated:** 03-02-2023

**Test:** Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (JS Steel)

**Gauge Length:** 8 inch **Sample Type:**

| 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 | 0.668 | 4 | 0.500 | 0.20 | 0.196 | 6.65 | 8.51 | 73290 | 74790 | 93860 | 95780 | 1.20 | 8.0 | 15.0 | |
| 2 | 0.673 | 4 | 0.502 | 0.20 | 0.198 | 6.56 | 8.61 | 72390 | 73120 | 94990 | 95950 | 1.20 | 8.0 | 15.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

**BEND TEST:**

| | |
|---|---|
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack |
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**Note:-**

Only Three Samples Received and Tested

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

Asif Pervaiz Butt
RE Ritz Developers Pvt. Ltd.

**Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

**Client Reference:** Nil
**Dated:** 18-01-2023

**SOM Lab**
**Ref:** 1701 (Page-3/3)
**Dated:** 03-02-2023

**Test:** Tension Test & Bend Test
**Gauge Length:** 8 inch

**Test Specification:** ASTM-A-615
**Sample Type:** Deformed Bar (Moiz 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 | 2.675 | 8 | 1.000 | 0.79 | 0.786 | 27.01 | 36.70 | 75420 | 75800 | 102450 | 102970 | 1.50 | 8.0 | 18.8 | |
| 2 | 2.670 | 8 | 1.000 | 0.79 | 0.785 | 24.77 | 33.40 | 69160 | 69600 | 93260 | 93850 | 1.60 | 8.0 | 20.0 | |
| 3 | 2.634 | 8 | 0.993 | 0.79 | 0.774 | 24.67 | 32.52 | 68870 | 70290 | 90780 | 92660 | 1.80 | 8.0 | 22.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

**BEND TEST:**

| | |
|---|---|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack |
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**Note:-**

Only Four Samples Received and Tested

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

Asif Pervaiz Butt
RE Ritz Developers Pvt. Ltd.

**Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

**Client Reference:** Nil
**Dated:** 16-01-2023

**SOM Lab**
**Ref:** 1701 (Page-2/3)
**Dated:** 03-02-2023

**Test:** Tension Test & Bend Test
**Test Specification:** ASTM-A-615 Deformed Bar (AF Steel)

**Gauge Length:** 8 inch
**Sample Type:**

| 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 | 1.504 | 6 | 0.750 | 0.44 | 0.442 | 14.53 | 19.03 | 72810 | 72480 | 95400 | 94960 | 1.30 | 8.0 | 16.3 | |
| 2 | 1.546 | 6 | 0.760 | 0.44 | 0.454 | 15.80 | 20.41 | 79200 | 76760 | 102290 | 99140 | 1.30 | 8.0 | 16.3 | |
| 3 | 1.550 | 6 | 0.762 | 0.44 | 0.456 | 16.06 | 20.49 | 80480 | 77650 | 102700 | 99100 | 1.40 | 8.0 | 17.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

**BEND TEST:**

| | |
|---|---|
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack |
| | |
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**Note:-**

Only Four Samples Received and Tested

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

Asif Pervaiz Butt
RE Ritz Developers Pvt. Ltd.

**Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

**Client Reference:** Nil
**Dated:** 16-01-2023

**SOM Lab**
**Ref:** 1701 (Page-1/3)
**Dated:** 03-02-2023

**Test:** Tension Test & Bend Test
**Test Specification:** ASTM-A-615 Deformed Bar (AF Steel)

**Gauge Length:** 8 inch
**Sample Type:**

| 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 | 0.685 | 4 | 0.506 | 0.20 | 0.201 | 6.59 | 9.55 | 72620 | 72260 | 105330 | 104800 | 1.10 | 8.0 | 13.8 | |
| 2 | 0.658 | 4 | 0.496 | 0.20 | 0.193 | 6.75 | 8.72 | 74420 | 77120 | 96110 | 99600 | 1.00 | 8.0 | 12.5 | |
| 3 | 0.674 | 4 | 0.502 | 0.20 | 0.198 | 6.77 | 9.87 | 74640 | 75400 | 108810 | 109910 | 1.10 | 8.0 | 13.8 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

**BEND TEST:**

| | |
|---|---|
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack |
| | |
| | |
| | |
| | |

**Note:-**

Only Four Samples Received and Tested

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

Assistant Engineer,Engg Cell **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

GC Un Fsd.(Const Of 12 Nos Three Bed Faculty Appartments For Category "C" at New Campus)

**Client Reference:** GCUF/EC/4958 **SOM Lab Ref:** 1700 (P-1/1)

**Dated:** 02-02-2023 **Dated:** 03-02-2023

**Test:** Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed

**Gauge Length:** 8 inch **Sample Type:** 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 | 2.581 | 8 | 0.982 | 0.79 | 0.758 | 24.33 | 34.66 | 67930 | 70800 | 96760 | 100840 | 1.50 | 8.0 | 18.8 | FF |
| 2 | 2.587 | 8 | 0.984 | 0.79 | 0.760 | 24.41 | 34.76 | 68160 | 70850 | 97040 | 100870 | 1.40 | 8.0 | 17.5 | FF |
| 3 | 1.527 | 6 | 0.756 | 0.44 | 0.449 | 13.63 | 19.34 | 68320 | 66950 | 96930 | 94990 | 1.30 | 8.0 | 16.3 | Kisan |
| 4 | 1.524 | 6 | 0.755 | 0.44 | 0.448 | 13.40 | 19.24 | 67190 | 65990 | 96420 | 94700 | 1.10 | 8.0 | 13.8 | Kisan |
| 5 | 0.667 | 4 | 0.500 | 0.20 | 0.196 | 6.42 | 8.61 | 70820 | 72270 | 94990 | 96930 | 1.20 | 8.0 | 15.0 | Kisan |
| 6 | 0.672 | 4 | 0.501 | 0.20 | 0.197 | 6.24 | 8.51 | 68800 | 69840 | 93860 | 95290 | 1.30 | 8.0 | 16.3 | Kisan |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

**BEND TEST:**

| | |
|---|---|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack |
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack |
| | |
| | |

**Note:-**

Only Nine Samples Received and Tested

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

Premier Developer & Builders **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Procurement Manager .(Lyallpur Galleria-II Near Four Season Colony Samundri Road,FSD)

**Client Reference:** LG-II/036 **SOM Lab Ref:** 1699 (Page-1/1)
**Dated:** 02-02-2023 **Dated:** 03-02-2023
**Test:** Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (FF Steel)
**Gauge Length:** 8 inch **Sample Type:**

| 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 | 2.675 | 8 | 1.000 | 0.79 | 0.786 | 26.45 | 36.70 | 73850 | 74230 | 102450 | 102970 | 1.30 | 8.0 | 16.3 | |
| 2 | 1.498 | 6 | 0.748 | 0.44 | 0.440 | 14.88 | 18.78 | 74600 | 74600 | 94120 | 94120 | 1.20 | 8.0 | 15.0 | |
| 3 | 0.670 | 4 | 0.501 | 0.20 | 0.197 | 6.37 | 8.43 | 70260 | 71330 | 92960 | 94380 | 1.00 | 8.0 | 12.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

**BEND TEST:**

| | |
|---|---|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack |
| # 6 | 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

Amjad Mehmood **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Quantity Surveyor Linker Developers.(Const Of ROLUSTECH Tower,Gulberg III Lahore)

**SOM Lab**

**Client Reference:** LD/RT/S-04 **Ref:** 1698 (Page-1/1)

**Dated:** 03-02-2023 **Dated:** 03-02-2023

**Test:** Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (SJ Steel)

**Gauge Length:** 8 inch **Sample Type:**

| 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 | 2.658 | 8 | 0.997 | 0.79 | 0.781 | 26.30 | 34.51 | 73420 | 74270 | 96330 | 97440 | 1.20 | 8.0 | 15.0 | |
| 2 | 1.513 | 6 | 0.753 | 0.44 | 0.445 | 15.24 | 19.57 | 76390 | 75530 | 98100 | 97000 | 1.20 | 8.0 | 15.0 | |
| 3 | 1.093 | 5 | 0.639 | 0.31 | 0.321 | 10.65 | 14.44 | 75790 | 73190 | 102760 | 99240 | 1.20 | 8.0 | 15.0 | |
| 4 | 0.661 | 4 | 0.497 | 0.20 | 0.194 | 6.60 | 8.61 | 72730 | 74980 | 94990 | 97920 | 1.10 | 8.0 | 13.8 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

**BEND TEST:**

| | |
|---|---|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack |
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack |
| # 5 | Sample bend through 180 degrees Satisfactorily without any crack |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack |
| | |

**Note:-**

Only Eight Samples Received and Tested

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