* MEMBER NAME : B01
  1. General Information

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Design Code** | **Unit System** | **Section** |  |  |  |
| ECP\_203\_2007 | N,mm | 400x600 | 24.00MPa | 400MPa | 400MPa |

* 1. Forces and Reinforcement

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SECT.** |  |  |  | **Top Bar** | **Bot Bar** | **Stirrup** |
| **All Section** | 0.000kN·m | 104kN·m | 0.000kN | 4-#8 | 4-#8 | 4-#3@200 |



* 1. Check Bending Moment Capacity

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SECT.** | **All Section** | | **-** | | **-** | |
| **POS.** | **Top** | **Bot** | **-** | **-** | **-** | **-** |
|  | 0.800 | 0.800 | - | - | - | - |
| **s(mm)** | 91.85 | 91.85 | - | - | - | - |
|  | 200 | 200 | - | - | - | - |
|  | 0.0138 | 0.0138 | - | - | - | - |
| **ρ** | 0.00948 | 0.00948 | - | - | - | - |
|  | 0.000 | 0.00309 | - | - | - | - |
| **Φ** | 1.000 | 1.000 | - | - | - | - |
|  | 0.0138 | 0.0138 | - | - | - | - |
|  | 387 | 387 | - | - | - | - |
| **Ratio** | 0.000 | 0.269 | - | - | - | - |

* 1. Check Shear Capacity

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SECT.** | **(kN)** | **(mm²)** | **(mm²)** | **(mm)** | **(mm)** | **s**  **(mm)** | **(kN)** | **Ratio** |
| All Section | 0.000 | 60.00 | 0.000 | 200 | 4.731 | 200 | 253 | 0.000 |