

Engineer: Name  
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|               | Length: | L = 8.43 m                             | a = 0.15 m | Section: | b = 30.0 cm | Sec:  | VG-30X60   |       |       |       |        |  |
|---------------|---------|----------------------------------------|------------|----------|-------------|-------|------------|-------|-------|-------|--------|--|
|               |         | Lu = 8.13 m                            | c = 0.15 m |          | h = 60.0 cm | Mat:  | RConcrete2 |       |       |       |        |  |
| X, m:         | 0.15    | 0.96                                   | 1.78       | 2.59     | 3.40        | 4.22  | 5.03       | 5.84  | 6.65  | 7.47  | 8.28   |  |
| Mu(-), ton-m: | -7.57   | -4.08                                  | -2.15      | -2.15    | -2.15       | -2.15 | -2.15      | -2.15 | -2.58 | -6.35 | -10.76 |  |
| Mu(+), ton-m: | 3.12    | 4.26                                   | 5.42       | 6.01     | 5.75        | 4.98  | 4.08       | 3.18  | 2.15  | 2.15  | 3.59   |  |
| As(-), cm2:   | 5.42    | 5.42                                   | 5.42       | 5.42     | 5.42        | 5.42  | 5.42       | 5.42  | 5.42  | 5.42  | 5.43   |  |
| As(+), cm2:   | 5.42    | 5.42                                   | 5.42       | 5.42     | 5.42        | 5.42  | 5.42       | 5.42  | 5.42  | 5.42  | 5.42   |  |
| Vu, ton:      | 4.89    | 4.66                                   | 3.99       | 3.32     | 2.07        | 2.43  | 3.14       | 4.32  | 4.99  | 5.66  | 5.89   |  |
| Tu, ton-m:    | 0.17    | 0.17                                   | 0.17       | 0.17     | 0.02        | 0.02  | 0.02       | 0.13  | 0.13  | 0.13  | 0.13   |  |
| Stirrup:      | #3      | #3                                     | #3         | #3       | #3          | #3    | #3         | #3    | #3    | #3    | #3     |  |
| Spacing, cm:  | 12.50   | 12.50                                  | 27.50      | 27.50    | 27.50       | 27.50 | 27.50      | 27.50 | 27.50 | 12.50 | 12.50  |  |
| DESIGN        |         |                                        |            |          |             |       |            |       |       |       |        |  |
|               |         |                                        |            |          |             |       |            |       |       |       |        |  |
|               | F-18    | 11 #3 @ 12.5 20 #3 @ 27.5 11 #3 @ 12.5 |            |          |             |       |            |       |       |       | F-20   |  |

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Company: Company

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Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 3)

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BEAM: 22 (A'-F) FLOOR: 2

|               |         |             |            |          |             |       |            |       |       |       |       |      |
|---------------|---------|-------------|------------|----------|-------------|-------|------------|-------|-------|-------|-------|------|
|               | Length: | L = 1.31 m  | a = 0.00 m | Section: | b = 30.0 cm | Sec:  | VG-30X60   |       |       |       |       |      |
|               |         | Lu = 1.06 m | c = 0.25 m |          | h = 60.0 cm | Mat:  | RConcrete2 |       |       |       |       |      |
| X, m:         | 0.00    | 0.11        | 0.21       | 0.32     | 0.42        | 0.53  | 0.64       | 0.74  | 0.85  | 0.95  | 1.06  |      |
| Mu(-), ton-m: | -0.01   | -0.96       | -1.91      | -2.88    | -3.85       | -4.84 | -5.84      | -6.85 | -7.87 | -8.90 | -9.94 |      |
| Mu(+), ton-m: | 0.00    | 0.00        | 0.00       | 0.00     | 0.00        | 0.00  | 0.00       | 0.00  | 0.00  | 0.00  | 0.00  |      |
| As(-), cm2:   | 5.42    | 5.42        | 5.42       | 5.42     | 5.42        | 5.42  | 5.42       | 5.42  | 5.42  | 5.42  | 5.42  |      |
| As(+), cm2:   | 5.42    | 5.42        | 5.42       | 5.42     | 5.42        | 5.42  | 5.42       | 5.42  | 5.42  | 5.42  | 5.42  |      |
| Vu, ton:      | 8.86    | 8.96        | 9.06       | 9.16     | 9.26        | 9.36  | 9.36       | 9.36  | 9.36  | 9.36  | 9.36  |      |
| Tu, ton-m:    | 0.10    | 0.10        | 0.10       | 0.10     | 0.10        | 0.10  | 0.10       | 0.10  | 0.10  | 0.10  | 0.10  |      |
| Stirrup:      | #3      | #3          | #3         | #3       | #3          | #3    | #3         | #3    | #3    | #3    | #3    |      |
| Spacing, cm:  | 27.50   | 27.50       | 27.50      | 27.50    | 27.50       | 27.50 | 27.50      | 27.50 | 27.50 | 27.50 | 27.50 |      |
| DESIGN        |         |             |            |          |             |       |            |       |       |       |       |      |
|               |         |             |            |          |             |       |            |       |       |       |       |      |
|               |         |             |            |          |             |       |            |       |       |       |       |      |
|               | A'-22   | 5 #3 @ 27.5 |            |          |             |       |            |       |       |       |       | F-22 |

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|               |         |             |            |          |             |       |            |       |       |       |       |      |
|---------------|---------|-------------|------------|----------|-------------|-------|------------|-------|-------|-------|-------|------|
|               | Length: | L = 1.31 m  | a = 0.00 m | Section: | b = 30.0 cm | Sec:  | VG-30X60   |       |       |       |       |      |
|               |         | Lu = 1.06 m | c = 0.25 m |          | h = 60.0 cm | Mat:  | RConcrete2 |       |       |       |       |      |
| X, m:         | 0.00    | 0.11        | 0.21       | 0.32     | 0.42        | 0.53  | 0.64       | 0.74  | 0.85  | 0.95  | 1.06  |      |
| Mu(-), ton-m: | -0.01   | -0.96       | -1.91      | -2.88    | -3.85       | -4.84 | -5.84      | -6.85 | -7.87 | -8.90 | -9.94 |      |
| Mu(+), ton-m: | 0.00    | 0.00        | 0.00       | 0.00     | 0.00        | 0.00  | 0.00       | 0.00  | 0.00  | 0.00  | 0.00  |      |
| As(-), cm2:   | 5.42    | 5.42        | 5.42       | 5.42     | 5.42        | 5.42  | 5.42       | 5.42  | 5.42  | 5.42  | 5.42  |      |
| As(+), cm2:   | 5.42    | 5.42        | 5.42       | 5.42     | 5.42        | 5.42  | 5.42       | 5.42  | 5.42  | 5.42  | 5.42  |      |
| Vu, ton:      | 8.86    | 8.96        | 9.06       | 9.16     | 9.26        | 9.36  | 9.36       | 9.36  | 9.36  | 9.36  | 9.36  |      |
| Tu, ton-m:    | 0.10    | 0.10        | 0.10       | 0.10     | 0.10        | 0.10  | 0.10       | 0.10  | 0.10  | 0.10  | 0.10  |      |
| Stirrup:      | #3      | #3          | #3         | #3       | #3          | #3    | #3         | #3    | #3    | #3    | #3    |      |
| Spacing, cm:  | 27.50   | 27.50       | 27.50      | 27.50    | 27.50       | 27.50 | 27.50      | 27.50 | 27.50 | 27.50 | 27.50 |      |
| DESIGN        |         |             |            |          |             |       |            |       |       |       |       |      |
|               |         |             |            |          |             |       |            |       |       |       |       |      |
|               | A'-26   | 5 #3 @ 27.5 |            |          |             |       |            |       |       |       |       | F-26 |

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