

Company: Company

Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 1)

File: C:\IE REGIDOR\MOD1.rcb

Engineer: Name

4:49:13 p. m. 26/06/2025

## P-Delta Analysis- Support Reactions

| Support |       | Load   | Force (ton) |       |       | Moment (ton-m) |       |      |
|---------|-------|--------|-------------|-------|-------|----------------|-------|------|
| Axis    | Floor | LdCase | Fx          | Fy    | Fz    | Mx             | My    | Mz   |
| LI-20   | 1     | D0     | 0.07        | 0.14  | 5.16  | 0.22           | -0.29 | 0.00 |
|         |       | DL     | 0.13        | 0.14  | 2.62  | -0.13          | 0.12  | 0.00 |
|         |       | RFL    | 0.05        | 0.06  | 1.05  | -0.05          | 0.05  | 0.00 |
|         |       | EQX    | 1.71        | 0.22  | 1.45  | -0.35          | 2.82  | 0.00 |
|         |       | EQY    | 0.39        | 1.35  | 1.34  | -2.15          | 0.64  | 0.00 |
|         |       | WLX    | 0.06        | 0.05  | 0.09  | -0.08          | 0.10  | 0.00 |
|         |       | WLY    | -0.03       | 0.31  | 0.25  | -0.48          | -0.05 | 0.00 |
| K-20    | 1     | D0     | 0.05        | -0.24 | 5.24  | -0.07          | -0.33 | 0.00 |
|         |       | DL     | 0.11        | -0.26 | 2.71  | 0.31           | 0.09  | 0.00 |
|         |       | RFL    | 0.04        | -0.10 | 1.08  | 0.13           | 0.03  | 0.00 |
|         |       | EQX    | 1.66        | 0.22  | 1.43  | -0.35          | 2.75  | 0.00 |
|         |       | EQY    | -0.01       | 1.35  | -1.23 | -2.15          | -0.02 | 0.00 |
|         |       | WLX    | 0.07        | 0.05  | 0.03  | -0.08          | 0.12  | 0.00 |
|         |       | WLY    | 0.00        | 0.31  | -0.28 | -0.48          | 0.00  | 0.00 |
| LI-22   | 1     | D0     | -0.07       | 0.21  | 6.59  | 0.15           | -0.09 | 0.00 |
|         |       | DL     | -0.07       | 0.34  | 4.89  | -0.37          | -0.10 | 0.00 |
|         |       | RFL    | -0.03       | 0.14  | 1.96  | -0.15          | -0.04 | 0.00 |
|         |       | EQX    | 2.10        | 0.17  | -0.57 | -0.28          | 3.26  | 0.00 |
|         |       | EQY    | 0.48        | 1.45  | 1.27  | -2.30          | 0.74  | 0.00 |
|         |       | WLX    | 0.08        | 0.04  | 0.02  | -0.06          | 0.12  | 0.00 |
|         |       | WLY    | -0.03       | 0.29  | 0.27  | -0.45          | -0.05 | 0.00 |
| K-22    | 1     | D0     | -0.09       | -0.28 | 6.66  | -0.04          | -0.13 | 0.00 |
|         |       | DL     | -0.10       | -0.43 | 4.97  | 0.50           | -0.14 | 0.00 |
|         |       | RFL    | -0.04       | -0.17 | 1.99  | 0.20           | -0.06 | 0.00 |
|         |       | EQX    | 2.04        | 0.17  | -0.61 | -0.28          | 3.18  | 0.00 |
|         |       | EQY    | -0.02       | 1.45  | -1.31 | -2.30          | -0.02 | 0.00 |
|         |       | WLX    | 0.09        | 0.04  | -0.05 | -0.06          | 0.14  | 0.00 |
|         |       | WLY    | 0.00        | 0.29  | -0.26 | -0.45          | 0.00  | 0.00 |
| LI-23   | 1     | D0     | -0.04       | 0.21  | 6.37  | 0.14           | -0.07 | 0.00 |
|         |       | DL     | -0.04       | 0.34  | 4.56  | -0.37          | -0.06 | 0.00 |
|         |       | RFL    | -0.02       | 0.14  | 1.82  | -0.15          | -0.02 | 0.00 |
|         |       | EQX    | 2.02        | 0.13  | 0.20  | -0.21          | 3.17  | 0.00 |
|         |       | EQY    | 0.46        | 1.55  | 1.41  | -2.46          | 0.72  | 0.00 |
|         |       | WLX    | 0.07        | 0.03  | 0.03  | -0.05          | 0.12  | 0.00 |
|         |       | WLY    | -0.03       | 0.27  | 0.24  | -0.43          | -0.05 | 0.00 |
| K-23    | 1     | D0     | -0.06       | -0.26 | 6.41  | -0.07          | -0.10 | 0.00 |
|         |       | DL     | -0.06       | -0.40 | 4.61  | 0.46           | -0.10 | 0.00 |
|         |       | RFL    | -0.03       | -0.16 | 1.84  | 0.18           | -0.04 | 0.00 |
|         |       | EQX    | 1.97        | 0.13  | 0.17  | -0.21          | 3.09  | 0.00 |
|         |       | EQY    | -0.01       | 1.55  | -1.40 | -2.46          | -0.02 | 0.00 |
|         |       | WLX    | 0.09        | 0.03  | -0.02 | -0.05          | 0.13  | 0.00 |
|         |       | WLY    | 0.00        | 0.27  | -0.24 | -0.43          | 0.00  | 0.00 |
| LI-26   | 1     | D0     | -0.04       | 0.22  | 6.42  | 0.12           | -0.07 | 0.00 |
|         |       | DL     | -0.04       | 0.36  | 4.62  | -0.39          | -0.07 | 0.00 |
|         |       | RFL    | -0.02       | 0.14  | 1.85  | -0.16          | -0.03 | 0.00 |
|         |       | EQX    | 2.03        | 0.09  | -0.07 | -0.14          | 3.19  | 0.00 |
|         |       | EQY    | 0.46        | 1.65  | 1.49  | -2.62          | 0.72  | 0.00 |
|         |       | WLX    | 0.07        | 0.02  | 0.02  | -0.03          | 0.12  | 0.00 |
|         |       | WLY    | -0.03       | 0.25  | 0.23  | -0.40          | -0.05 | 0.00 |
| K-26    | 1     | D0     | -0.07       | -0.24 | 6.44  | -0.09          | -0.11 | 0.00 |
|         |       | DL     | -0.07       | -0.38 | 4.65  | 0.44           | -0.11 | 0.00 |
|         |       | RFL    | -0.03       | -0.15 | 1.86  | 0.17           | -0.04 | 0.00 |
|         |       | EQX    | 1.98        | 0.09  | -0.10 | -0.14          | 3.11  | 0.00 |
|         |       | EQY    | -0.01       | 1.65  | -1.49 | -2.62          | -0.02 | 0.00 |
|         |       | WLX    | 0.09        | 0.02  | -0.02 | -0.03          | 0.14  | 0.00 |
|         |       | WLY    | 0.00        | 0.25  | -0.23 | -0.40          | 0.00  | 0.00 |
| LI-27   | 1     | D0     | -0.05       | 0.23  | 6.40  | 0.10           | -0.07 | 0.00 |
|         |       | DL     | -0.05       | 0.37  | 4.58  | -0.41          | -0.07 | 0.00 |
|         |       | RFL    | -0.02       | 0.15  | 1.83  | -0.17          | -0.03 | 0.00 |
|         |       | EQX    | 2.03        | 0.04  | 0.05  | -0.07          | 3.19  | 0.00 |
|         |       | EQY    | 0.46        | 1.75  | 1.58  | -2.77          | 0.72  | 0.00 |
|         |       | WLX    | 0.07        | 0.01  | 0.01  | -0.02          | 0.12  | 0.00 |
|         |       | WLY    | -0.03       | 0.23  | 0.21  | -0.37          | -0.05 | 0.00 |

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| Axis  | Floor | LdCase | Fx    | Fy    | Fz    | Mx    | My    | Mz   |
|-------|-------|--------|-------|-------|-------|-------|-------|------|
| K-27  | 1     | D0     | -0.07 | -0.23 | 6.39  | -0.11 | -0.11 | 0.00 |
|       |       | DL     | -0.07 | -0.37 | 4.57  | 0.41  | -0.11 | 0.00 |
|       |       | RFL    | -0.03 | -0.15 | 1.83  | 0.16  | -0.05 | 0.00 |
|       |       | EQX    | 1.98  | 0.04  | 0.04  | -0.07 | 3.11  | 0.00 |
|       |       | EQY    | -0.01 | 1.75  | -1.58 | -2.77 | -0.02 | 0.00 |
|       |       | WLX    | 0.09  | 0.01  | -0.01 | -0.02 | 0.14  | 0.00 |
|       |       | WLY    | 0.00  | 0.23  | -0.21 | -0.37 | 0.00  | 0.00 |
| LI-30 | 1     | D0     | -0.03 | 0.25  | 6.57  | 0.07  | -0.11 | 0.00 |
|       |       | DL     | -0.02 | 0.40  | 4.83  | -0.46 | -0.04 | 0.00 |
|       |       | RFL    | -0.01 | 0.16  | 1.93  | -0.18 | -0.02 | 0.00 |
|       |       | EQX    | 2.02  | 0.00  | -0.09 | 0.00  | 3.18  | 0.00 |
|       |       | EQY    | 0.46  | 1.85  | 1.66  | -2.94 | 0.72  | 0.00 |
|       |       | WLX    | 0.07  | 0.00  | 0.00  | 0.00  | 0.12  | 0.00 |
|       |       | WLY    | -0.03 | 0.21  | 0.19  | -0.34 | -0.05 | 0.00 |
| K-30  | 1     | D0     | -0.05 | -0.22 | 6.55  | -0.12 | -0.15 | 0.00 |
|       |       | DL     | -0.04 | -0.37 | 4.87  | 0.41  | -0.07 | 0.00 |
|       |       | RFL    | -0.02 | -0.15 | 1.95  | 0.16  | -0.03 | 0.00 |
|       |       | EQX    | 1.97  | 0.00  | -0.09 | 0.00  | 3.10  | 0.00 |
|       |       | EQY    | -0.02 | 1.85  | -1.68 | -2.94 | -0.02 | 0.00 |
|       |       | WLX    | 0.09  | 0.00  | 0.00  | 0.00  | 0.14  | 0.00 |
|       |       | WLY    | 0.00  | 0.21  | -0.19 | -0.34 | 0.00  | 0.00 |
| LI-31 | 1     | D0     | -0.04 | 0.27  | 6.83  | 0.05  | -0.14 | 0.00 |
|       |       | DL     | -0.04 | 0.44  | 5.13  | -0.51 | -0.06 | 0.00 |
|       |       | RFL    | -0.02 | 0.17  | 2.05  | -0.20 | -0.02 | 0.00 |
|       |       | EQX    | 1.98  | -0.05 | -0.17 | 0.08  | 3.13  | 0.00 |
|       |       | EQY    | 0.45  | 2.12  | 1.89  | -3.37 | 0.71  | 0.00 |
|       |       | WLX    | 0.07  | -0.01 | -0.01 | 0.02  | 0.11  | 0.00 |
|       |       | WLY    | -0.03 | 0.21  | 0.19  | -0.34 | -0.05 | 0.00 |
| K-31  | 1     | D0     | -0.07 | -0.22 | 6.74  | -0.13 | -0.18 | 0.00 |
|       |       | DL     | -0.11 | -0.38 | 4.78  | 0.41  | -0.16 | 0.00 |
|       |       | RFL    | -0.05 | -0.15 | 1.91  | 0.16  | -0.06 | 0.00 |
|       |       | EQX    | 1.93  | -0.05 | -0.16 | 0.08  | 3.06  | 0.00 |
|       |       | EQY    | -0.01 | 2.13  | -1.90 | -3.38 | -0.01 | 0.00 |
|       |       | WLX    | 0.08  | -0.01 | 0.00  | 0.02  | 0.13  | 0.00 |
|       |       | WLY    | 0.00  | 0.21  | -0.19 | -0.34 | 0.00  | 0.00 |
| LI-32 | 1     | D0     | 0.00  | 0.26  | 7.15  | 0.06  | -0.21 | 0.00 |
|       |       | DL     | 0.03  | 0.46  | 5.71  | -0.54 | 0.02  | 0.00 |
|       |       | RFL    | 0.01  | 0.18  | 2.29  | -0.22 | 0.01  | 0.00 |
|       |       | EQX    | 2.02  | -0.10 | 0.16  | 0.16  | 3.17  | 0.00 |
|       |       | EQY    | 0.46  | 2.30  | 1.70  | -3.71 | 0.72  | 0.00 |
|       |       | WLX    | 0.07  | -0.02 | -0.01 | 0.03  | 0.12  | 0.00 |
|       |       | WLY    | -0.03 | 0.20  | 0.15  | -0.33 | -0.05 | 0.00 |
| K-32  | 1     | D0     | 0.05  | -0.03 | 9.99  | -0.05 | -0.16 | 0.00 |
|       |       | DL     | 0.34  | -0.15 | 10.30 | 0.15  | 0.35  | 0.00 |
|       |       | RFL    | 0.14  | -0.06 | 4.12  | 0.06  | 0.14  | 0.00 |
|       |       | EQX    | 1.96  | -0.11 | 0.13  | 0.17  | 3.09  | 0.00 |
|       |       | EQY    | 0.00  | 2.77  | 0.23  | -4.26 | -0.01 | 0.00 |
|       |       | WLX    | 0.09  | -0.03 | 0.00  | 0.04  | 0.13  | 0.00 |
|       |       | WLY    | 0.00  | 0.24  | 0.02  | -0.37 | 0.00  | 0.00 |
| J-32  | 1     | D0     | 0.07  | -0.04 | 3.50  | -0.26 | -0.33 | 0.00 |
|       |       | DL     | 0.09  | -0.02 | 1.24  | 0.00  | 0.05  | 0.00 |
|       |       | RFL    | 0.03  | -0.01 | 0.50  | 0.00  | 0.02  | 0.00 |
|       |       | EQX    | 1.71  | -0.09 | 1.33  | 0.15  | 2.84  | 0.00 |
|       |       | EQY    | -0.34 | 2.35  | -2.14 | -3.76 | -0.58 | 0.00 |
|       |       | WLX    | 0.09  | -0.02 | 0.08  | 0.03  | 0.14  | 0.00 |
|       |       | WLY    | 0.03  | 0.21  | -0.17 | -0.33 | 0.05  | 0.00 |
| J-33  | 1     | D0     | -0.13 | 0.64  | 4.43  | 0.65  | 0.14  | 0.00 |
|       |       | DL     | -0.13 | 0.51  | 1.45  | -0.60 | -0.18 | 0.00 |
|       |       | RFL    | -0.05 | 0.20  | 0.58  | -0.24 | -0.07 | 0.00 |
|       |       | EQX    | 2.18  | -0.12 | 2.53  | 0.21  | 3.36  | 0.00 |
|       |       | EQY    | -0.48 | 2.38  | 0.43  | -3.92 | -0.73 | 0.00 |
|       |       | WLX    | 0.11  | 0.02  | 0.12  | 0.05  | 0.17  | 0.00 |
|       |       | WLY    | 0.03  | 0.24  | 0.08  | -0.31 | 0.05  | 0.00 |
| H-33  | 1     | D0     | -0.05 | -0.63 | 2.35  | -0.70 | -0.17 | 0.00 |
|       |       | DL     | -0.05 | -0.54 | -0.75 | 0.58  | -0.12 | 0.00 |
|       |       | RFL    | -0.02 | -0.22 | -0.30 | 0.23  | -0.05 | 0.00 |
|       |       | EQX    | 2.10  | -0.12 | 5.39  | 0.20  | 3.34  | 0.00 |
|       |       | EQY    | -1.30 | 2.31  | -4.31 | -3.84 | -2.07 | 0.00 |
|       |       | WLX    | 0.13  | -0.08 | 0.35  | 0.05  | 0.21  | 0.00 |
|       |       | WLY    | 0.10  | 0.23  | 0.18  | -0.31 | 0.15  | 0.00 |

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Engineer: Name

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| Axis  | Floor | LdCase | Fx    | Fy    | Fz    | Mx    | My    | Mz   |
|-------|-------|--------|-------|-------|-------|-------|-------|------|
| LI-34 | 1     | D0     | -0.04 | 0.28  | 6.61  | 0.02  | 0.61  | 0.00 |
|       |       | DL     | -0.19 | 0.41  | 4.78  | -0.49 | -0.23 | 0.00 |
|       |       | RFL    | -0.08 | 0.16  | 1.91  | -0.20 | -0.09 | 0.00 |
|       |       | EQX    | 1.55  | -0.15 | -0.91 | 0.25  | 2.65  | 0.00 |
|       |       | EQY    | 0.36  | 2.66  | 1.82  | -4.28 | 0.61  | 0.00 |
|       |       | WLX    | 0.06  | -0.03 | -0.05 | 0.06  | 0.10  | 0.00 |
|       |       | WLY    | -0.03 | 0.20  | 0.15  | -0.33 | -0.04 | 0.00 |
| K-34  | 1     | D0     | -0.08 | -0.06 | 9.15  | -0.04 | 0.55  | 0.00 |
|       |       | DL     | -0.49 | -0.08 | 9.88  | 0.06  | -0.58 | 0.00 |
|       |       | RFL    | -0.20 | -0.03 | 3.95  | 0.03  | -0.23 | 0.00 |
|       |       | EQX    | 1.52  | -0.19 | -0.89 | 0.29  | 2.59  | 0.00 |
|       |       | EQY    | -0.02 | 3.11  | -0.46 | -4.80 | -0.03 | 0.00 |
|       |       | WLX    | 0.07  | -0.04 | -0.03 | 0.06  | 0.11  | 0.00 |
|       |       | WLY    | 0.00  | 0.24  | -0.04 | -0.37 | 0.00  | 0.00 |
| J-34  | 1     | D0     | 0.48  | 0.53  | 14.26 | 0.47  | 0.55  | 0.00 |
|       |       | DL     | 0.60  | 0.58  | 13.95 | -0.68 | 0.63  | 0.00 |
|       |       | RFL    | 0.24  | 0.23  | 5.58  | -0.27 | 0.25  | 0.00 |
|       |       | EQX    | 1.93  | -0.19 | -3.77 | 0.29  | 3.10  | 0.00 |
|       |       | EQY    | -0.44 | 2.97  | 0.27  | -4.66 | -0.69 | 0.00 |
|       |       | WLX    | 0.10  | 0.01  | -0.18 | 0.06  | 0.16  | 0.00 |
|       |       | WLY    | 0.03  | 0.28  | -0.09 | -0.36 | 0.05  | 0.00 |
| H-34  | 1     | D0     | 0.27  | -0.79 | 11.39 | -0.53 | 0.29  | 0.00 |
|       |       | DL     | 0.28  | -0.97 | 9.20  | 1.06  | 0.25  | 0.00 |
|       |       | RFL    | 0.11  | -0.39 | 3.68  | 0.43  | 0.10  | 0.00 |
|       |       | EQX    | 2.09  | -0.13 | -5.29 | 0.22  | 3.34  | 0.00 |
|       |       | EQY    | -1.29 | 2.26  | 2.47  | -3.84 | -2.07 | 0.00 |
|       |       | WLX    | 0.13  | -0.08 | -0.32 | 0.05  | 0.21  | 0.00 |
|       |       | WLY    | 0.09  | 0.22  | -0.28 | -0.30 | 0.15  | 0.00 |