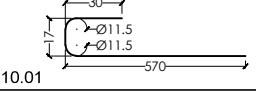
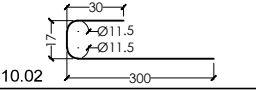
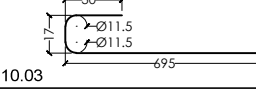
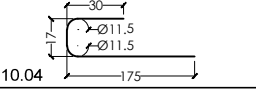
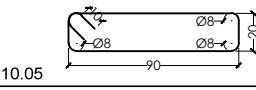
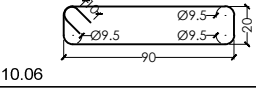
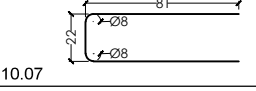
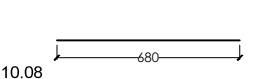
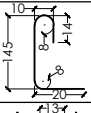
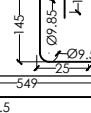
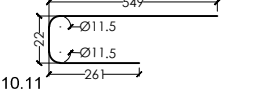
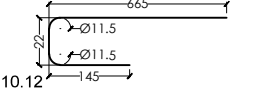
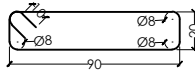
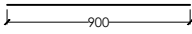
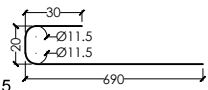
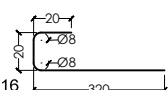
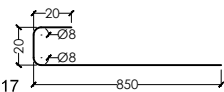
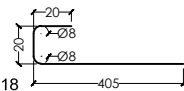
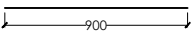
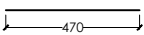
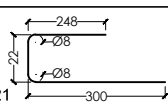
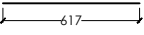
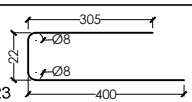
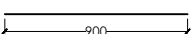
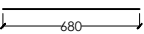
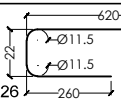
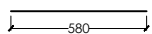
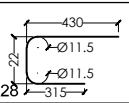
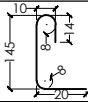


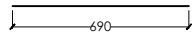
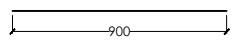
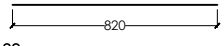
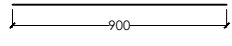
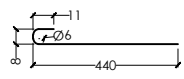
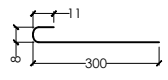
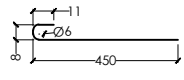
Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|------------------|---|---|----------------------|--------|-------------------|---|----------|----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Fondation | | | | | | | | |
| 10.01 | Transversale - Semelle axes D1 & D7 Princ. 1 avec crochet | 6 | 6.05 | 24 | 145.20 |  | 2.24 | 325.25 |
| 10.02 | Transversale - Semelle axes D1 & D7 Princ. avec crochet | 6 | 3.35 | 24 | 80.40 |  | 2.24 | 180.10 |
| 10.03 | Transversale - Semelle axes D2 & D6 Princ. 1 avec crochet | 6 | 7.30 | 24 | 175.20 |  | 2.24 | 392.45 |
| 10.04 | Transversale - Semelle axes D2 & D6 Princ. 2 avec crochet | 6 | 2.10 | 24 | 50.40 |  | 2.24 | 112.90 |
| 10.05 | Transversale - Cadre Semelle Ø½" | 4 | 2.40 | 100 | 240.00 |  | 0.996 | 239.04 |
| 10.06 | Transversale - Cadre Semelle Ø⅝" | 5 | 2.40 | 82 | 196.80 |  | 1.556 | 306.22 |
| 10.07 | Transversale - Mur / Principal avec crochet en U | 4 | 1.90 | 56 | 106.40 |  | 0.996 | 105.97 |
| 10.08 | Transversale - Mur / Principal sans crochet | 4 | 6.80 | 56 | 380.80 |  | 0.996 | 379.28 |
| 10.09 | Transversale - Cadre Mur Ø½" | 4 | 1.95 | 100 | 195.00 |  | 0.996 | 194.22 |
| 10.10 | Transversale - Cadre Mur Ø⅝" | 5 | 2.05 | 82 | 168.10 |  | 1.556 | 261.56 |
| 10.11 | Transversale - Ceinture axes D1 & D7 Princ. avec crochet en U | 6 | 8.35 | 16 | 133.60 |  | 2.24 | 299.26 |
| 10.12 | Transversale - Ceinture axes D2 & D6 Princ. avec crochet en U | 6 | 8.35 | 16 | 133.60 |  | 2.24 | 299.26 |

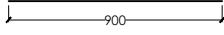

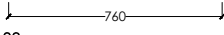
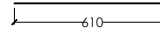
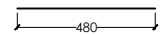
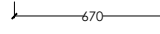
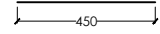
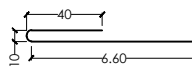
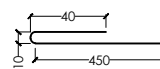
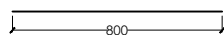
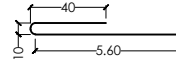
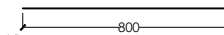
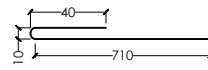
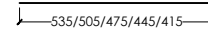
Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|------------------|--|---|----------------------|--------|-------------------|---|----------|-----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Fondation | | | | | | | | |
| 10.13 | Longitudinale - Semelle Cadre Ø½" | 4 | 2.40 | 234 | 561.60 | 10.13  | 0.996 | 559.35 |
| 10.14 | Longitudinale - Semelle / Principal sans crochet | 4 | 9.00 | 96 | 864.00 | 10.14  | 0.996 | 860.54 |
| 10.15 | Longitudinale - Semelle / Principal avec crochet | 4 | 7.30 | 24 | 175.20 | 10.15  | 0.996 | 174.50 |
| 10.16 | Longitudinale - Semelle / Principal avec crochet | 4 | 3.60 | 24 | 86.40 | 10.16  | 0.996 | 86.05 |
| 10.17 | Longitudinale - Semelle / Principal avec crochet | 4 | 8.90 | 24 | 213.60 | 10.17  | 0.996 | 212.75 |
| 10.18 | Longitudinale - Semelle / Principal avec crochet | 4 | 4.50 | 24 | 108.00 | 10.18  | 0.996 | 107.57 |
| 10.19 | Longitudinale - Mur / Principal sans crochet | 4 | 9.00 | 56 | 504.00 | 10.19  | 0.996 | 501.98 |
| 10.20 | Longitudinale - Mur / Principal sans crochet | 4 | 4.70 | 14 | 65.80 | 10.20  | 0.996 | 65.54 |
| 10.21 | Longitudinale - Mur / Principal avec crochet | 4 | 5.70 | 14 | 79.80 | 10.21  | 0.996 | 79.48 |
| 10.22 | Longitudinale - Mur / Principal sans crochet | 4 | 6.17 | 14 | 86.38 | 10.22  | 0.996 | 86.03 |
| 10.23 | Longitudinale - Mur / Principal avec crochet | 4 | 7.30 | 14 | 102.20 | 10.23  | 0.996 | 101.79 |
| 10.24 | Longitudinale - Ceinture / Principal sans crochet | 7 | 9.00 | 16 | 144.00 | 10.24  | 3.049 | 439.06 |
| 10.25 | Longitudinale - Ceinture / Principal sans crochet | 7 | 6.80 | 20 | 136.00 | 10.25  | 3.049 | 414.66 |
| 10.26 | Longitudinale - Ceinture / Principal avec crochet | 7 | 9.02 | 12 | 108.24 | 10.26  | 3.049 | 330.02 |
| 10.27 | Longitudinale - Ceinture / Principal sans crochet | 7 | 5.80 | 16 | 92.80 | 10.27  | 3.049 | 282.95 |
| 10.28 | Longitudinale - Ceinture / Principal avec crochet | 7 | 7.70 | 4 | 30.80 | 10.28  | 3.049 | 93.91 |
| 10.29 | Longitudinale - Mur Cadre Ø½" | 4 | 1.90 | 508 | 965.20 | 10.29  | 0.996 | 961.34 |
| | | | | | | | | 8'453.03 |

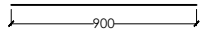
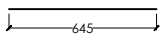
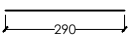
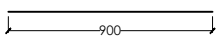
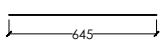
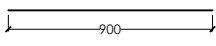
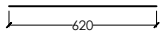
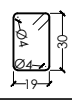
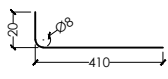
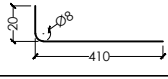
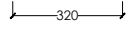

Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pieces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|----------------|-------------------------|---|----------------------|--------|-------------------|---|----------|-----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Parquet | | | | | | | | |
| 20.01 | Nappe 1-1 | 3 | 6.90 | 160 | 1'104.00 |  20.01 | 0.561 | 620.80 |
| 20.02 | Nappe 2-1 | 3 | 9.00 | 86 | 774.00 |  20.02 | 0.561 | 434.30 |
| 20.03 | Nappe 2-2 | 3 | 8.20 | 43 | 352.60 |  20.03 | 0.561 | 198.23 |
| 20.04 | Nappe 3-1 | 3 | 9.00 | 46 | 414.00 |  20.04 | 0.561 | 232.30 |
| 20.05 | Nappe 3-2 avec crochet | 3 | 4.60 | 46 | 211.60 |  20.05 | 0.561 | 119.14 |
| 20.06 | Nappe 4-21 avec crochet | 3 | 3.20 | 160 | 512.00 |  20.06 | 0.561 | 288.00 |
| 20.07 | Nappe 4-2 avec crochet | 3 | 4.70 | 160 | 752.00 |  20.07 | 0.561 | 422.40 |
| | | | | | | | | 2'315.17 |

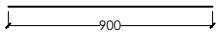
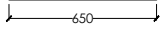
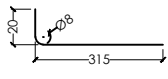
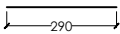
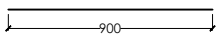
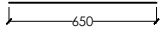
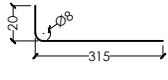
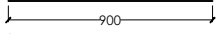
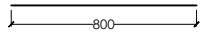

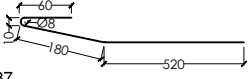
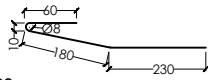
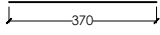
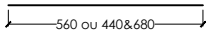
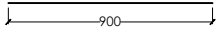


Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|--------------|---|---|----------------------|--------|-------------------|---|----------|----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Dalle | | | | | | | | |
| 30.01 | Nappe 1-1 | 3 | 9.00 | 110 | 990.00 |  30.01 | 0.561 | 555.39 |
| 30.02 | Nappe 1-2 | 3 | 8.50 | 55 | 467.50 |  30.02 | 0.561 | 262.27 |
| 30.03 | Nappe 1-3 | 3 | 7.60 | 24 | 182.40 |  30.03 | 0.561 | 102.33 |
| 30.04 | Nappe 1-4 | 3 | 6.10 | 12 | 73.20 |  30.04 | 0.561 | 41.07 |
| 30.05 | Nappe 1-5 | 3 | 4.80 | 24 | 115.20 |  30.05 | 0.561 | 64.63 |
| 30.06 | Nappe 2-1 | 4 | 6.70 | 164 | 1'098.80 |  30.06 | 0.996 | 1'094.40 |
| 30.07 | Nappe 2-2 | 4 | 4.50 | 164 | 738.00 |  30.07 | 0.996 | 735.05 |
| 30.08 | Nappe 3-1 | 4 | 7.10 | 164 | 1'164.40 |  30.08 | 0.996 | 1'159.74 |
| 30.09 | Nappe 3-2 | 4 | 5.00 | 164 | 820.00 |  30.09 | 0.996 | 816.72 |
| 30.10 | Nappe 4-1 | 4 | 8.00 | 110 | 880.00 |  30.10 | 0.996 | 876.48 |
| 30.11 | Nappe 4-2 | 4 | 6.10 | 110 | 671.00 |  30.11 | 0.996 | 668.32 |
| 30.12 | Nappe 4-3 | 4 | 8.00 | 24 | 192.00 |  30.12 | 0.996 | 191.23 |
| 30.13 | Nappe 4-4 | 4 | 7.60 | 24 | 182.40 |  30.13 | 0.996 | 181.67 |
| 30.14 | Dalle / Angle (2 x 5.35/5.05/4.75/4.45/4.15) | 4 | 4.75 | 10 | 47.50 |  30.14 | 0.996 | 47.31 |

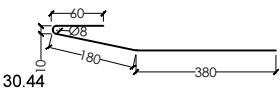
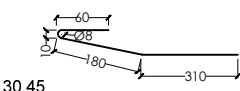
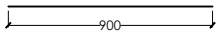



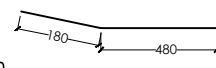
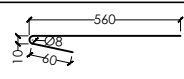


Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|--------------|--|---|----------------------|--------|-------------------|--|----------|----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Dalle | | | | | | | | |
| 30.15 | Poutre P-1 / Princ. Inf 1 | 4 | 9.00 | 4 | 36.00 |  30.15 | 0.996 | 35.88 |
| 30.16 | Poutre P-1 / Princ. Inf 2 | 4 | 4.95 | 2 | 9.90 |  30.16 | 0.996 | 9.88 |
| 30.17 | Poutre P-1 / Princ. Inf 3 (intérieur) | 4 | 2.90 | 6 | 17.40 |  30.17 | 0.996 | 17.34 |
| 30.18 | Poutre P-1 / Princ. Sup 1 | 4 | 9.00 | 4 | 36.00 |  30.18 | 0.996 | 35.88 |
| 30.19 | Poutre P-1 / Princ. Sup 2 | 4 | 6.45 | 2 | 12.90 |  30.19 | 0.996 | 12.86 |
| 30.20 | Poutre P-1 / Montage 1 | 3 | 9.00 | 4 | 36.00 |  30.20 | 0.561 | 20.20 |
| 30.21 | Poutre P-1 / Montage 2 | 3 | 6.20 | 2 | 12.40 |  30.21 | 0.561 | 6.96 |
| 30.22 | Poutre P-1 / Cadre | 3 | 1.20 | 156 | 187.20 |  30.22 | 0.561 | 106.08 |
| 30.23 | Poutre P-1 (porte à faux) / Princ. Inf avec crochet | 4 | 4.30 | 4 | 17.20 |  30.23 | 0.996 | 17.16 |
| 30.24 | Poutre P-1 (porte à faux) / Princ. Sup avec crochet | 4 | 4.30 | 8 | 34.40 |  30.24 | 0.996 | 34.32 |
| 30.25 | Poutre P-1 (porte à faux) / Montage | 3 | 3.20 | 4 | 12.80 |  30.25 | 0.561 | 7.20 |
| 30.26 | Poutre P-1 (porte à faux) / Cadre | 3 | 1.20 | 28 | 33.60 |  30.26 | 0.561 | 19.04 |

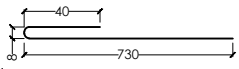
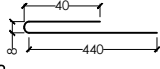
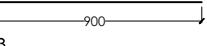
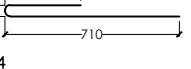
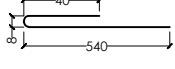
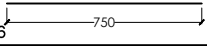
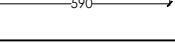
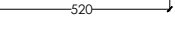
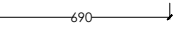
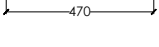
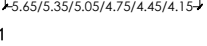
Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|--------------|---|---|----------------------|--------|-------------------|---|----------|----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Dalle | | | | | | | | |
| 30.27 | Poutre P-2 / Princ. Inf 1 | 4 | 9.00 | 2 | 18.00 |  | 0.996 | 17.94 |
| 30.28 | Poutre P-2 / Princ. Inf 2 | 4 | 6.50 | 4 | 26.00 |  | 0.996 | 25.92 |
| 30.29 | Poutre P-2 / Princ. Inf 3 avec crochet | 4 | 3.35 | 4 | 13.40 |  | 0.996 | 13.36 |
| 30.30 | Poutre P-2 / Princ. Inf 4 (intérieur) | 4 | 2.90 | 6 | 17.40 |  | 0.996 | 17.34 |
| 30.31 | Poutre P-2 / Princ. Sup 1 | 4 | 9.00 | 2 | 18.00 |  | 0.996 | 17.94 |
| 30.32 | Poutre P-2 / Princ. Sup 2 | 4 | 6.50 | 4 | 26.00 |  | 0.996 | 25.92 |
| 30.33 | Poutre P-2 / Princ. Sup 3 avec crochet | 4 | 3.35 | 4 | 13.40 |  | 0.996 | 13.36 |
| 30.34 | Poutre P-2 / Montage 1 | 3 | 9.00 | 4 | 36.00 |  | 0.561 | 20.20 |
| 30.35 | Poutre P-2 / Montage 2 | 3 | 8.00 | 2 | 16.00 |  | 0.561 | 8.98 |
| 30.36 | Poutre P-2 / Cadre | 3 | 1.20 | 156 | 187.20 |  | 0.561 | 106.08 |
| 30.37 | Poutre P-3 / Princ. Inf 1 | 4 | 7.70 | 4 | 30.80 |  | 0.996 | 30.68 |
| 30.38 | Poutre P-3 / Princ. Inf 2 | 4 | 4.80 | 4 | 19.20 |  | 0.996 | 19.16 |
| 30.39 | Poutre P-3 / Princ. Inf 3 (intérieur) | 4 | 3.70 | 2 | 7.40 |  | 0.996 | 7.38 |
| 30.40 | Poutre P-3 / Princ. Sup 1 | 4 | 5.60 | 8 | 44.80 |  | 0.996 | 44.64 |
| 30.41 | Poutre P-3 / Montage | 3 | 9.00 | 4 | 36.00 |  | 0.561 | 20.20 |
| 30.42 | Poutre P-3 / Cadre | 3 | 1.20 | 64 | 76.80 |  | 0.561 | 43.52 |
| 30.43 | Poutre P-3 / Cadre variable | 3 | 1.20 | 60 | 72.00 |  | 0.561 | 40.80 |

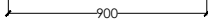
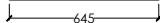
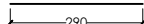
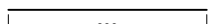
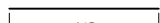
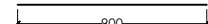



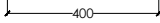
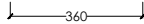

Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|--------------|--------------------------------------|---|----------------------|--------|-------------------|--|----------|-----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Dalle | | | | | | | | |
| 30.44 | Poutre P-4 / Princ. Inf 1 | 4 | 6.30 | 8 | 50.40 |  | 0.996 | 50.24 |
| 30.45 | Poutre P-4 / Princ. Sup | 4 | 5.60 | 8 | 44.80 |  | 0.996 | 44.64 |
| 30.46 | Poutre P-4 / Montage | 3 | 9.00 | 4 | 36.00 |  | 0.561 | 20.20 |
| 30.47 | Poutre P-4 / Cadre | 3 | 1.20 | 60 | 72.00 |  | 0.561 | 40.80 |
| 30.48 | Poutre P-4 / Cadre variable | 3 | 1.20 | 60 | 72.00 |  | 0.561 | 40.80 |
| 30.49 | Poutre chaînage P-5 / Princ. Inf 1 | 5 | 4.90 | 30 | 147.00 |  | 1.556 | 228.90 |
| 30.50 | Poutre chaînage P-5 / Princ. Inf 2 | 5 | 6.60 | 30 | 198.00 |  | 1.556 | 308.10 |
| 30.51 | Poutre chaînage P-5 / Princ. Sup | 4 | 6.30 | 60 | 378.00 |  | 0.996 | 376.80 |
| 30.52 | Poutre chaînage P-5 / Cadre | 3 | 1.10 | 588 | 646.80 |  | 0.561 | 364.56 |
| 30.53 | Poutre chaînage P-5 / Cadre variable | 3 | 1.10 | 360 | 396.00 |  | 0.561 | 223.20 |
| | | | | | | | | 9'291.06 |

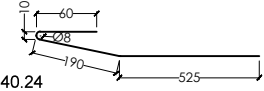
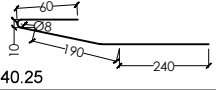
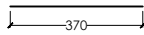
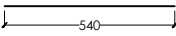



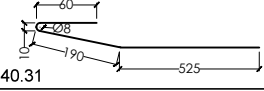

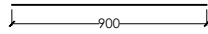


Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|----------------|--|---|----------------------|--------|-------------------|--|----------|----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Toiture | | | | | | | | |
| 40.01 | Nappe 1-1 | 4 | 7.80 | 188 | 1'466.40 |  | 0.996 | 1'460.53 |
| 40.02 | Nappe 1-2 | 4 | 4.90 | 188 | 921.20 |  | 0.996 | 917.52 |
| 40.03 | Nappe 2-1 | 3 | 9.00 | 142 | 1'278.00 |  | 0.561 | 716.96 |
| 40.04 | Nappe 2-2 | 3 | 7.60 | 71 | 539.60 |  | 0.561 | 302.72 |
| 40.05 | Nappe 2-3 | 3 | 6.10 | 71 | 433.10 |  | 0.561 | 242.97 |
| 40.06 | Nappe 3-1 | 4 | 7.50 | 142 | 1'065.00 |  | 0.996 | 1'060.74 |
| 40.07 | Nappe 3-2 | 4 | 5.90 | 71 | 418.90 |  | 0.996 | 417.22 |
| 40.08 | Nappe 3-3 | 4 | 5.20 | 142 | 738.40 |  | 0.996 | 735.45 |
| 40.09 | Nappe 4-1 | 4 | 6.90 | 192 | 1'324.80 |  | 0.996 | 1'319.50 |
| 40.10 | Nappe 4-2 | 4 | 4.70 | 192 | 902.40 |  | 0.996 | 898.79 |
| 40.11 | Dalle Toiture/ Angle {4x[2x(5.35/5.05/4.75/4.45/4.15)+(1x5.65)]} | 4 | 5.00 | 36 | 180.00 |  | 0.996 | 179.28 |


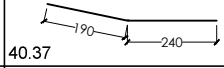
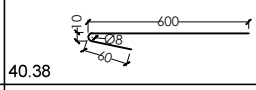
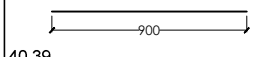
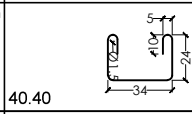
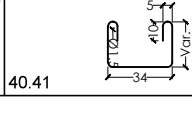
Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|----------------|--|---|----------------------|--------|-------------------|---|----------|----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Toiture | | | | | | | | |
| 40.12 | Poutre P-6 / Princ. Inf 1 | 4 | 9.00 | 8 | 72.00 |  | 0.996 | 71.76 |
| 40.13 | Poutre P-6 / Princ. Inf 2 | 4 | 6.45 | 4 | 25.80 |  | 0.996 | 25.72 |
| 40.14 | Poutre P-6 / Princ. Inf 3 (intérieur) | 4 | 2.90 | 12 | 34.80 |  | 0.996 | 34.68 |
| 40.15 | Poutre P-6 / Princ. Sup 1 | 4 | 9.00 | 8 | 72.00 |  | 0.996 | 71.76 |
| 40.16 | Poutre P-6 / Princ. Sup 2 | 4 | 6.45 | 4 | 25.80 |  | 0.996 | 25.72 |
| 40.17 | Poutre P-6 / Montage 1 | 3 | 9.00 | 8 | 72.00 |  | 0.561 | 40.40 |
| 40.18 | Poutre P-6 / Montage 2 | 3 | 6.05 | 4 | 24.20 |  | 0.561 | 13.60 |
| 40.19 | Poutre P-6 / Cadre | 3 | 1.20 | 312 | 374.40 |  | 0.561 | 212.16 |
| 40.20 | Poutre P-6 (porte à faux) / Princ. Inf avec crochet | 4 | 4.95 | 8 | 39.60 |  | 0.996 | 39.52 |
| 40.21 | Poutre P-6 (porte à faux) / Princ. Sup | 4 | 4.00 | 8 | 32.00 |  | 0.996 | 31.92 |
| 40.22 | Poutre P-6 (porte à faux) / Montage | 3 | 3.60 | 8 | 28.80 |  | 0.561 | 16.16 |
| 40.23 | Poutre P-6 (porte à faux) / Cadre | 3 | 1.20 | 68 | 81.60 |  | 0.561 | 46.24 |

Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|----------------|--|---|----------------------|--------|-------------------|---|----------|----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Toiture | | | | | | | | |
| 40.24 | Poutre P-7 / Princ. Inf 1 | 4 | 7.70 | 4 | 30.80 |  | 0.996 | 30.68 |
| 40.25 | Poutre P-7 / Princ. Inf 2 | 4 | 5.20 | 4 | 20.80 |  | 0.996 | 20.72 |
| 40.26 | Poutre P-7 / Princ. Inf 3 (intérieur) | 4 | 3.70 | 2 | 7.40 |  | 0.996 | 7.38 |
| 40.27 | Poutre P-7 / Princ. Sup | 4 | 6.00 | 8 | 48.00 |  | 0.996 | 47.84 |
| 40.28 | Poutre P-7 / Montage | 3 | 9.00 | 4 | 36.00 |  | 0.561 | 20.20 |
| 40.29 | Poutre P-7 / Cadre Variable hauteur supérieur à 30 cm | 3 | 1.20 | 64 | 76.80 |  | 0.561 | 43.52 |
| 40.30 | Poutre P-7 & Poutre P-8 / Cadre variable hauteur inférieur à 30 cm | 3 | 1.20 | 136 | 163.20 |  | 0.561 | 92.48 |
| 40.31 | Poutre P-8 / Princ. Inf 1 | 4 | 6.70 | 8 | 53.60 |  | 0.996 | 53.44 |
| 40.32 | Poutre P-8 / Princ. Sup | 4 | 6.00 | 8 | 48.00 |  | 0.996 | 47.84 |
| 40.33 | Poutre P-8 / Montage | 3 | 9.00 | 4 | 36.00 |  | 0.561 | 20.20 |
| 40.34 | Poutre P-8 / Cadre variable hauteur supérieur à 30 cm | 3 | 1.20 | 90 | 108.00 |  | 0.561 | 61.20 |
| 40.35 | Poutre P-7 & Poutre P-8 / Armature de montage additionnelle | 4 | 3.85 | 16 | 61.60 |  | 0.996 | 61.44 |

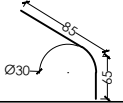
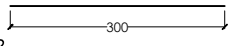
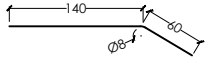
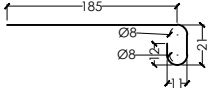
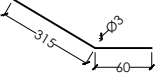
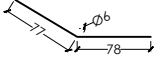
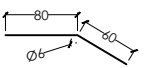
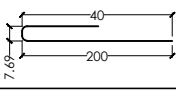
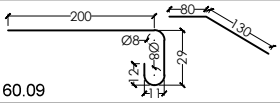
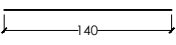
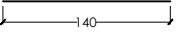
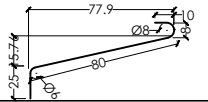
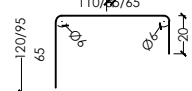

Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pièces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|----------------|--|---|----------------------|--------|-------------------|--|----------|------------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Toiture | | | | | | | | |
| 40.36 | Poutre P-9 / Princ. Inf 1 | 5 | 7.15 | 30 | 214.50 |  | 1.556 | 333.90 |
| 40.37 | Poutre P-9 / Princ. Inf 2 | 5 | 4.30 | 30 | 129.00 |  | 1.556 | 201.00 |
| 40.38 | Poutre P-9 / Princ. Sup | 4 | 6.70 | 60 | 402.00 |  | 0.996 | 400.80 |
| 40.39 | Poutre P-9 / Montage | 3 | 9.00 | 6 | 54.00 |  | 0.561 | 30.30 |
| 40.40 | Poutre P-9 / Cadre variable hauteur supérieur à 24 cm | 3 | 1.10 | 588 | 646.80 |  | 0.561 | 364.56 |
| 40.41 | Poutre P-9 / Cadre variable hauteur inférieur à 24 cm | 3 | 1.10 | 408 | 448.80 |  | 0.561 | 252.96 |
| | | | | | | | | 10'971.77 |

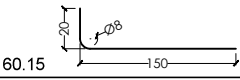
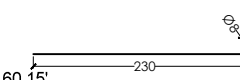

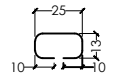
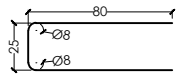
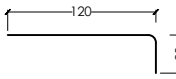

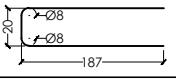
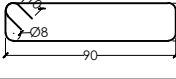
Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pieces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|---------------|------------------------------------|---|----------------------|--------|-------------------|--|----------|------------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Voiles | | | | | | | | |
| 50.01 | Voiles Armature Princ. Bord 1 | 7 | 6.40 | 320 | 2'048.00 | <p>50.01</p> | 3.049 | 6'246.40 |
| 50.02 | Voiles Armature Princ. Bord 2 | 7 | 3.51 | 160 | 561.60 | <p>50.02</p> | 3.049 | 1'713.60 |
| 50.03 | Voiles Armature Princ. Interieur 1 | 4 | 4.00 | 200 | 800.00 | <p>50.03</p> | 0.996 | 798.00 |
| 50.04 | Voiles Armature Princ. Interieur 2 | 4 | 2.40 | 200 | 480.00 | <p>50.04</p> | 0.996 | 480.00 |
| 50.05 | Voiles Armature Princ. Interieur 3 | 4 | 3.61 | 360 | 1'299.60 | <p>50.05</p> | 0.996 | 1'296.00 |
| 50.06 | Voiles Etriers | 3 | 1.10 | 640 | 704.00 | <p>50.06</p> | 0.561 | 396.80 |
| 50.07 | Voiles Cadres | 3 | 3.30 | 960 | 3'168.00 | <p>50.07</p> | 0.561 | 1'785.60 |
| | | | | | | | | 12'716.40 |

Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pieces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml [kg/m] | Poids Total [kg] |
|------------------|--|---|----------------------|--------|-------------------|---|--------------------|------------------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Escaliers | | | | | | | | |
| 60.01 | Princ. 1 | 3 | 1.50 | 22 | 33.00 |  | 0.561 | 18.70 |
| 60.02 | Princ. 2 | 3 | 3.00 | 22 | 66.00 |  | 0.561 | 37.18 |
| 60.03 | Princ. 3 | 3 | 2.00 | 22 | 44.00 |  | 0.561 | 24.86 |
| 60.04 | Princ. 4 | 4 | 2.30 | 22 | 50.60 |  | 0.996 | 50.60 |
| 60.05 | Princ. 5 | 3 | 3.75 | 22 | 82.50 |  | 0.561 | 46.42 |
| 60.06 | Princ. 6 | 3 | 1.55 | 22 | 34.10 |  | 0.561 | 19.14 |
| 60.07 | Princ. 7 | 3 | 1.40 | 22 | 30.80 |  | 0.561 | 17.38 |
| 60.08 | Princ. 8 | 4 | 2.50 | 22 | 55.00 |  | 0.996 | 54.78 |
| 60.09 | Princ. 9 | 4 | 4.55 | 22 | 100.10 |  | 0.996 | 99.88 |
| 60.10 | Transv. 1 | 3 | 1.50 | 100 | 150.00 |  | 0.561 | 85.00 |
| 60.11 | Transv. 2 Palier | 4 | 1.50 | 24 | 36.00 |  | 0.996 | 36.00 |
| 60.12 | Transv. pente Palier 1 | 3 | 1.20 | 16 | 19.20 |  | 0.561 | 10.88 |
| 60.13 | Repartition. pente Palier 2 (2.5 / 2.0 / 1.5) | 3 | 2.00 | 12 | 24.00 |  | 0.561 | 13.56 |
| 60.14 | Repartition. pente Palier 3 (1.0 / 0.7 / 0.4) | 3 | 0.70 | 24 | 16.80 |  | 0.561 | 9.60 |

Bordereau Armature BA-2x100 - Acier HA - Grade 60

| Position | Pieces | # | Longueur dévelop. | Nombre | Longueur Total | Forme de façonnage dimensions extérieures en cm | Poids/ml | Poids Total |
|------------------|--------------------------|---|----------------------|--------|-------------------|--|----------|----------------|
| | | # | [m] | [-] | [m] | | [kg/m] | [kg] |
| Escaliers | | | | | | | | |
| 60.15 | Poteau Princ | 4 | 1.70 | 8 | 13.60 |  | 0.996 | 13.60 |
| 60.15' | Poteau Princ | 4 | 2.50 | 8 | 20.00 |  | 0.996 | 19.92 |
| 60.16 | Poteau Etrier | 3 | 1.05 | 28 | 29.40 |  | 0.561 | 16.52 |
| 60.17 | Etrier mur fondation | 3 | 0.70 | 32 | 22.40 |  | 0.561 | 12.80 |
| 60.18 | Princ. mur fondation | 4 | 1.85 | 18 | 33.30 |  | 0.996 | 33.30 |
| 60.18' | Princ. mur fondation | 4 | 1.40 | 36 | 50.40 |  | 0.996 | 50.40 |
| 60.19 | Cadre mur fondation | 4 | 1.90 | 76 | 144.40 |  | 0.996 | 144.40 |
| 60.20 | Princ. semelle fondation | 4 | 4.00 | 12 | 48.00 |  | 0.996 | 47.88 |
| 60.21 | Cadre semelle fondation | 4 | 2.40 | 32 | 76.80 |  | 0.996 | 76.80 |
| | | | | | | | | 939.60 |