

| <div> <div> <div>33</div> <div>33</div> <div>79°</div> <div>34</div> <div>34</div> <div>11</div> <div>45°</div> <div>45°</div> <div>18</div> <div>18</div> <div>16°</div> </div> <div>180ø8</div> </div> |       |                    |                            |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------|----------------------------|-----------------------|
| Forma                                                                                                                                                                                                    | Numar | Lung.<br>a<br>[cm] | Lung.<br>Bara unit.<br>[m] | Lung.<br>Total<br>[m] |
| 1.1                                                                                                                                                                                                      | 6     | 120                | 5.03                       | 30.18                 |
| 1.2                                                                                                                                                                                                      | 6     | 119                | 5.01                       | 30.06                 |
| 1.3                                                                                                                                                                                                      | 6     | 118                | 4.99                       | 29.94                 |
| 1.4                                                                                                                                                                                                      | 6     | 117                | 4.97                       | 29.82                 |
| 1.5                                                                                                                                                                                                      | 8     | 116                | 4.95                       | 39.6                  |
| 1.6                                                                                                                                                                                                      | 6     | 115                | 4.93                       | 29.58                 |
| 1.7                                                                                                                                                                                                      | 6     | 114                | 4.91                       | 29.46                 |
| 1.8                                                                                                                                                                                                      | 6     | 113                | 4.89                       | 29.34                 |
| 1.9                                                                                                                                                                                                      | 6     | 112                | 4.87                       | 29.22                 |
| 1.10                                                                                                                                                                                                     | 8     | 111                | 4.85                       | 38.8                  |
| 1.11                                                                                                                                                                                                     | 6     | 110                | 4.83                       | 28.98                 |
| 1.12                                                                                                                                                                                                     | 6     | 109                | 4.81                       | 28.86                 |
| 1.13                                                                                                                                                                                                     | 6     | 108                | 4.79                       | 28.74                 |
| 1.14                                                                                                                                                                                                     | 8     | 107                | 4.77                       | 38.16                 |
| 1.15                                                                                                                                                                                                     | 6     | 106                | 4.75                       | 28.5                  |
| 1.16                                                                                                                                                                                                     | 6     | 105                | 4.73                       | 28.38                 |
| 1.17                                                                                                                                                                                                     | 4     | 104                | 4.71                       | 18.84                 |
| 1.18                                                                                                                                                                                                     | 4     | 103                | 4.69                       | 18.76                 |
| 1.19                                                                                                                                                                                                     | 6     | 102                | 4.67                       | 28.02                 |
| 1.20                                                                                                                                                                                                     | 4     | 101                | 4.65                       | 18.6                  |
| 1.21                                                                                                                                                                                                     | 4     | 100                | 4.63                       | 18.52                 |
| 1.22                                                                                                                                                                                                     | 2     | 99                 | 4.61                       | 9.22                  |
| 1.23                                                                                                                                                                                                     | 4     | 136                | 5.35                       | 21.4                  |
| 1.24                                                                                                                                                                                                     | 4     | 135                | 5.33                       | 21.32                 |
| 1.25                                                                                                                                                                                                     | 2     | 134                | 5.31                       | 10.62                 |
| 1.26                                                                                                                                                                                                     | 4     | 133                | 5.29                       | 21.16                 |
| 1.27                                                                                                                                                                                                     | 2     | 132                | 5.27                       | 10.54                 |
| 1.28                                                                                                                                                                                                     | 4     | 131                | 5.25                       | 21                    |
| 1.29                                                                                                                                                                                                     | 4     | 130                | 5.23                       | 20.92                 |
| 1.30                                                                                                                                                                                                     | 2     | 129                | 5.21                       | 10.42                 |
| 1.31                                                                                                                                                                                                     | 4     | 128                | 5.19                       | 20.76                 |
| 1.32                                                                                                                                                                                                     | 2     | 127                | 5.17                       | 10.34                 |
| 1.33                                                                                                                                                                                                     | 4     | 126                | 5.15                       | 20.6                  |
| 1.34                                                                                                                                                                                                     | 4     | 125                | 5.13                       | 20.52                 |
| 1.35                                                                                                                                                                                                     | 2     | 124                | 5.11                       | 10.22                 |
| 1.36                                                                                                                                                                                                     | 4     | 123                | 5.09                       | 20.36                 |
| 1.37                                                                                                                                                                                                     | 4     | 122                | 5.07                       | 20.28                 |
| 1.38                                                                                                                                                                                                     | 2     | 121                | 5.05                       | 10.1                  |
| 1.39                                                                                                                                                                                                     | 2     | 137                | 5.37                       | 10.74                 |
| Suma lungimi = 890.880 m                                                                                                                                                                                 |       |                    |                            |                       |

| <div> <div>-a-</div> <div>2</div> <div>24ø8</div> </div> |       |                    |                    |                            |                       |
|----------------------------------------------------------|-------|--------------------|--------------------|----------------------------|-----------------------|
| Forma                                                    | Numar | Lung.<br>a<br>[cm] | Lung.<br>b<br>[cm] | Lung.<br>Bara unit.<br>[m] | Lung.<br>Total<br>[m] |
| 2.1                                                      | 4     | 17                 | 104                | 2.66                       | 10.64                 |
| 2.2                                                      | 4     | 26                 | 103                | 2.82                       | 11.28                 |
| 2.3                                                      | 6     | 26                 | 102                | 2.8                        | 16.8                  |
| 2.4                                                      | 4     | 26                 | 101                | 2.78                       | 11.12                 |
| 2.5                                                      | 4     | 26                 | 100                | 2.76                       | 11.04                 |
| 2.6                                                      | 2     | 26                 | 99                 | 2.74                       | 5.48                  |
| Suma lungimi = 66.360 m                                  |       |                    |                    |                            |                       |

vezi jointarea

3 4ø25 L=27.63m

vezi jointarea

4 2ø16 L=26.55m

vezi jointarea

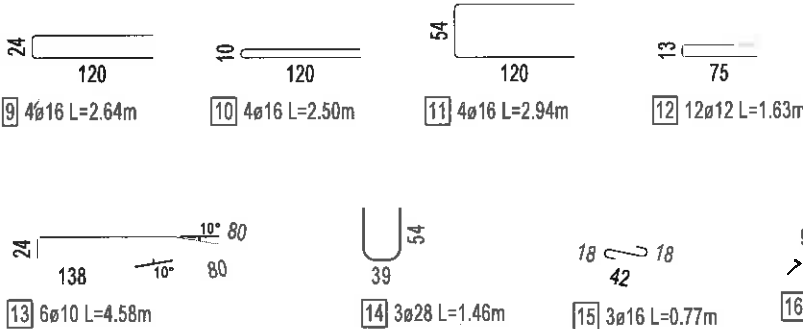
5 6ø14 L=26.30m

2462

7 10ø10 L=24.62m

2466

8 10ø15.3 L=24.66m



Beton: C40/50; XC1, S3,CEM I52.5R; 0-16  
-f<sub>ct,transf</sub>=44 MPa  
Otel: S500C, OB37,  
St1660/1860  
-TBP15.3 Ap=139 mm<sup>2</sup>  
S<sub>pk</sub>=1200 MPa  
P<sub>k</sub>=166.8 kN

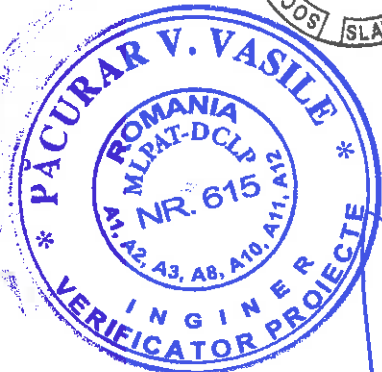
Extras de armatura

| Marca | Buc. | ø<br>[mm] | Calitate<br>otel | L.unitara<br>[m] | L.totala<br>[m] | Greutate<br>[kg] |
|-------|------|-----------|------------------|------------------|-----------------|------------------|
| 1     | 180  | 8         | S500C            | -X-              | 890.88          | 351.90           |
| 2     | 24   | 8         | S500C            | -X-              | 66.36           | 26.21            |
| 3     | 4    | 25        | S500C            | 27.63            | 110.52          | 425.94           |
| 4     | 2    | 16        | S500C            | 26.55            | 53.10           | 83.84            |
| 5     | 6    | 14        | S500C            | 26.30            | 157.80          | 190.94           |
| 7     | 10   | 10        | S500C            | 24.62            | 246.20          | 151.91           |
| 8     | 10   | 15.3      | St1660           | 24.66            | 246.60          | 269.04           |
| 9     | 4    | 16        | S500C            | 2.64             | 10.56           | 16.67            |
| 10    | 4    | 16        | S500C            | 2.50             | 10.00           | 15.79            |
| 11    | 4    | 16        | S500C            | 2.94             | 11.76           | 18.57            |
| 12    | 12   | 12        | S500C            | 1.63             | 19.56           | 17.37            |
| 13    | 6    | 10        | S500C            | 4.58             | 27.48           | 16.96            |
| 14    | 3    | 28        | S500C            | 1.46             | 4.38            | 21.17            |
| 15    | 3    | 16        | S500C            | 0.77             | 2.31            | 3.65             |
| 16    | 166  | 6         | OB37             | 0.22             | 36.52           | 8.11             |

Greutate totala [kg] : 1618.07

# PLAN ARMARE GRINDA PRINCIPALA TIP 4504 - SCHEME BARE

Scara 1:75



| VERIFICATOR/<br>EXPERT  | NUME                      | SEMNRATURA | CERINTA           | REFERAT/EXPERTIZA NR./DATA                                                                                                     |              |
|-------------------------|---------------------------|------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------|
|                         | ing. Păcurar Vasile       |            | A1, A2            |                                                                                                                                |              |
| Proiectant general      | S.C. ARHITECTONIK S.R.L.  |            |                   | BENEFICIAR:                                                                                                                    | PROIECT NR.: |
| Proiectant specialitate | S.C. PLAN 31 RO S.R.L.    |            |                   | S.C. EUROCOM EXPANSION S.A.                                                                                                    | 230/2016     |
| SPECIFICATIE            | NUME                      | SEMNRATURA | SCARA:            | TITLU PROIECT:                                                                                                                 | FAZA:        |
| SEF PROIECT             | arh. Laurentiu Cristea    |            | 1:75              | CONSTRUIRE HALA DE PRODUCTIE PENTRU SPINTECARE, NETEZARE SI SORTARE CHERESTEA USCATA DIN FAG SI ACHIZITIE DE UTILAJE SPECIFICE | DDE          |
| PROIECTAT               | ing. Tere Sergiu-Gheorghe |            | DATA:             | TITLU PLANSA:                                                                                                                  | PLANSĂ NR.:  |
| DESENAT                 | ing. Tere Sergiu-Gheorghe |            | 14 noiembrie 2018 | Plan Armare Grinda Principala tip 4504 Scheme Bare                                                                             | R. 558       |