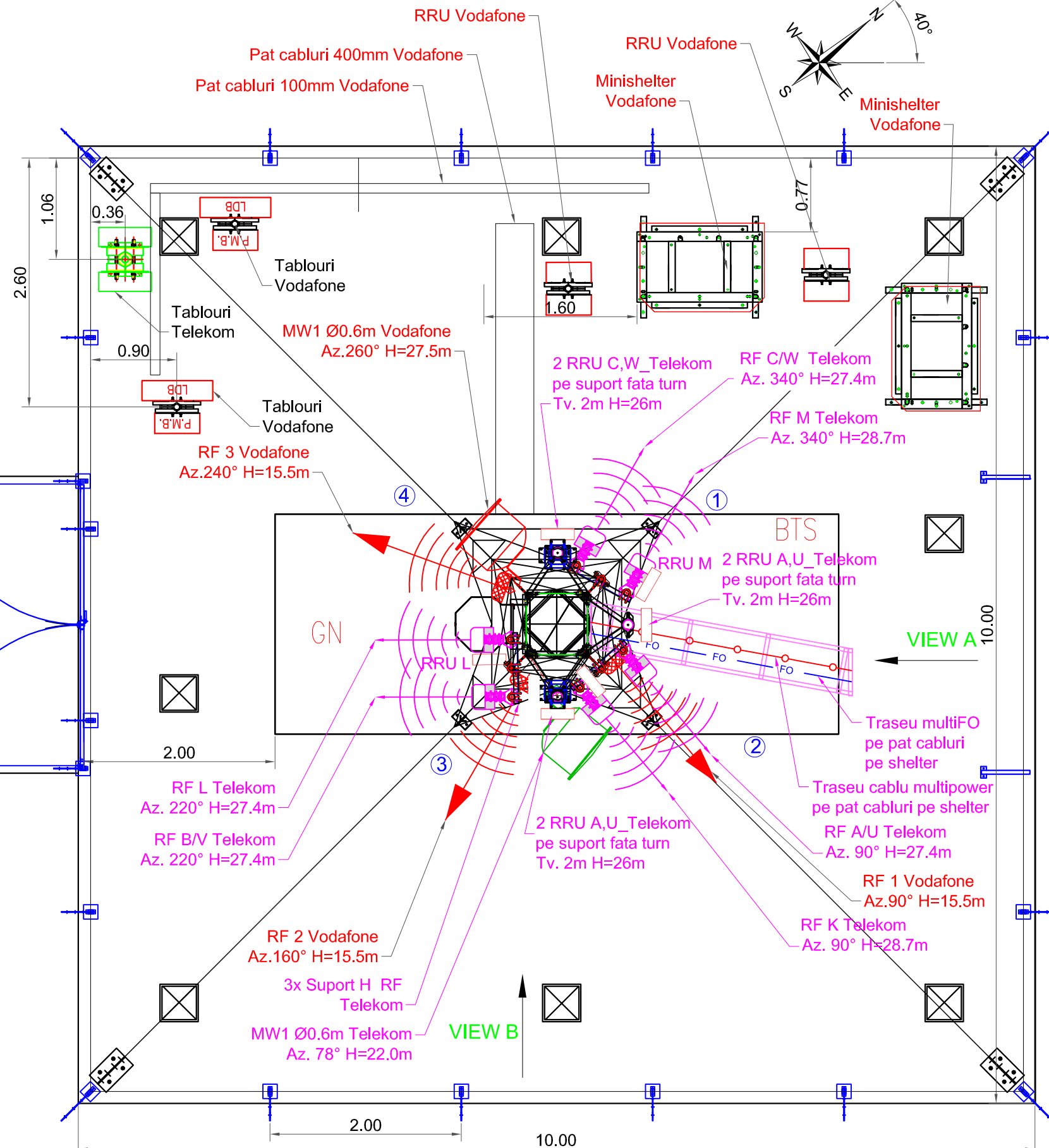


| Sector | Tip antena  | Tip teava     | Azimet | Inaltime | Tilt M | Tilt E | Freq.   | Tip cablu | Lungime      |  | Observatii |
|--------|-------------|---------------|--------|----------|--------|--------|---------|-----------|--------------|--|------------|
| RFU/A  | DBXLH-6565C | Tv Ø60-L=3.0m | 90°    | 30.00m   | 0°     | 5°     | 900MHz  | FO+2x1/2" | 1x40m + 2x3m |  |            |
| RFV/B  | DBXLH-6565C | Tv Ø60-L=3.0m | 220°   | 30.00m   | 0°     | 4°     | 900MHz  | FO+2x1/2" | 1x40m + 2x3m |  |            |
| RFW/C  | DBXLH-6565C | Tv Ø60-L=3.0m | 340°   | 30.00m   | 0°     | 3°     | 900MHz  | FO+2x1/2" | 1x40m + 2x3m |  |            |
| RFK    | K742 215    | Tv Ø60-L=3.0m | 90°    | 30.00m   | 0°     | 6°     | 2100MHz | FO+2x1/2" | 1x45m + 2x2m |  |            |
| RFL    | K742 215    | Tv Ø60-L=3.0m | 220°   | 30.00m   | 0°     | 5°     | 2100MHz | FO+2x1/2" | 1x45m + 2x2m |  |            |
| RFM    | K742 215    | Tv Ø60-L=3.0m | 340°   | 30.00m   | 0°     | 3°     | 2100MHz | FO+2x1/2" | 1x45m + 2x2m |  |            |
| MW1    | Ø0.6m       | Tv Ø114-L=2m  | 78°    | 22.0m    |        |        |         | RG213     |              |  |            |

| Antena   | Tip Antenna | Inaltime* (m) | Az.    | Tilt Mec. | Tilt El. | Tip cablu | Lungime cabluri | Obs. |
|----------|-------------|---------------|--------|-----------|----------|-----------|-----------------|------|
| VODAFONE | RF 1        | K 742266      | 15.50m | 90°       |          |           |                 |      |
|          | RF 2        | K 742266      | 15.50m | 160°      | -        | -         | -               |      |
|          | RF 3        | K 742266      | 15.50m | 240°      | -        | -         | -               |      |
|          | MW1         | Ø0.60m        | 27.50m | 260°      | N/A      | RG 213    | -               |      |

\* Inaltimea de la partea inferioara a antenei RF sau axul antenei MW la sol.



COORDONATE GPS:  
N 45° 07' 38.5"  
E 26° 39' 05.0"

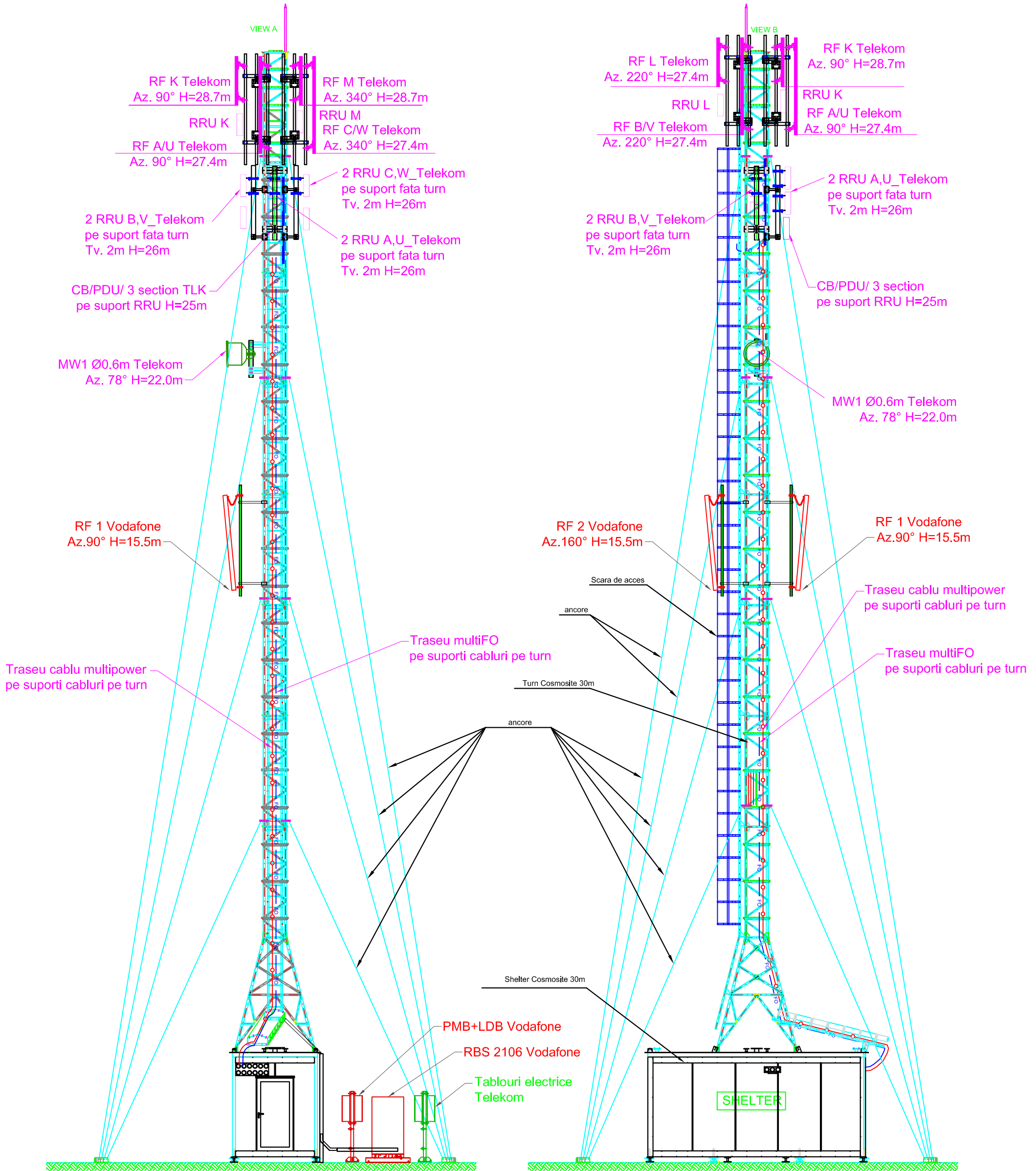
|   |                             |                             |                              |                   |
|---|-----------------------------|-----------------------------|------------------------------|-------------------|
| Titlu proiect:<br><b>STAȚIE DE BAZĂ PENTRU TELEFONIA MOBILĂ</b> |                             | Proiectant:<br>             | Contractor General :<br>     | Beneficiar:<br>   |
| Amplasament:<br>Sat Gura Saratii, Loc. Merei, Jud. Buzau        |                             | Proiect nr.<br><b>BX316</b> | Data: 05.2017                | Faza: BP          |
| Denumire desen:<br><b>Situatie Existenta Plan_BP</b>            |                             |                             |                              |                   |
| Proiectat<br>ing. A.Parmac                                      | Verificat<br>ing. A. Ionita | Scara:<br>1:50              | Desen nr:<br>FD.BX 316.BP_01 | Plansa nr.<br>1/3 |
| Aprobat<br>ing. F.Balasoiu                                      |                             |                             | Rev.<br>0                    | Format:<br>A3     |

| Antena   | Tip Antenna | Inaltime* (m) | Az.    | Obs. |
|----------|-------------|---------------|--------|------|
| VODAFONE | RF 1        | K 742266      | 15.50m | 90°  |
|          | RF 2        | K 742266      | 15.50m | 160° |
|          | RF 3        | K 742266      | 15.50m | 240° |
|          | MW1         | Ø0.60m        | 27.50m | 260° |

| Sector | Tip antena  | Tip teava     | Azimut | Inaltime | Tilt M | Tilt E | Freq.   | Tip cablu | Lungime      |  | Observatii |
|--------|-------------|---------------|--------|----------|--------|--------|---------|-----------|--------------|--|------------|
| RFU/A  | DBXLH-6565C | Tv Ø60-L=3.0m | 90°    | 30.00m   | 0°     | 5°     | 900MHz  | FO+2x1/2" | 1x40m + 2x3m |  |            |
|        |             |               |        |          | 0°     | 6°     | 1800MHz | FO+2x1/2" | 1x40m + 2x3m |  |            |
| RFV/B  | DBXLH-6565C | Tv Ø60-L=3.0m | 220°   | 30.00m   | 0°     | 4°     | 900MHz  | FO+2x1/2" | 1x40m + 2x3m |  |            |
|        |             |               |        |          | 0°     | 5°     | 1800MHz | FO+2x1/2" | 1x40m + 2x3m |  |            |
| RFW/C  | DBXLH-6565C | Tv Ø60-L=3.0m | 340°   | 30.00m   | 0°     | 3°     | 900MHz  | FO+2x1/2" | 1x40m + 2x3m |  |            |
|        |             |               |        |          | 0°     | 3°     | 1800MHz | FO+2x1/2" | 1x40m + 2x3m |  |            |
| RFK    | K742 215    | Tv Ø60-L=3.0m | 90°    | 30.00m   | 0°     | 6°     | 2100MHz | FO+2x1/2" | 1x45m + 2x2m |  |            |
| RFL    | K742 215    | Tv Ø60-L=3.0m | 220°   | 30.00m   | 0°     | 5°     | 2100MHz | FO+2x1/2" | 1x45m + 2x2m |  |            |
| RFM    | K742 215    | Tv Ø60-L=3.0m | 340°   | 30.00m   | 0°     | 3°     | 2100MHz | FO+2x1/2" | 1x45m + 2x2m |  |            |
| MW1    | Ø0.6m       | Tv Ø114-L=2m  | 78°    | 22.0m    |        |        |         | RG213     |              |  |            |

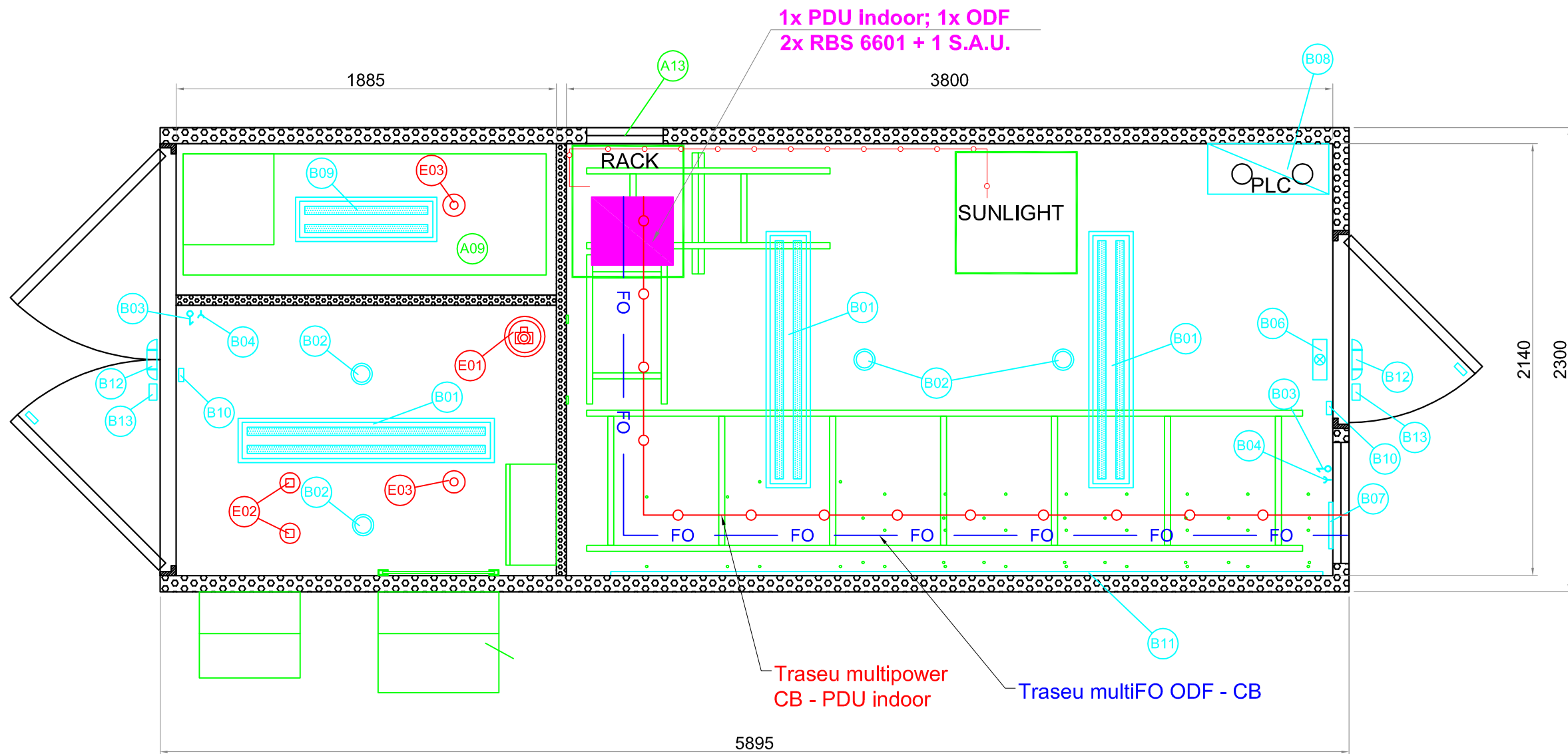
\* Inaltimea de la partea inferioara a antenei RF sau axul antenei MW la sol

\* Inaltimea de la partea superioara a antenei RF sau axul antenei MW la sol.



COORDONATE GPS:  
N 45° 07' 38.5"  
E 26° 39' 05.0"

|   |                             |                             |                              |                   |
|---|-----------------------------|-----------------------------|------------------------------|-------------------|
| Titlu proiect:<br><b>STAȚIE DE BAZĂ PENTRU TELEFONIA MOBILĂ</b> |                             | Proiectant:<br>             | Contractor General:<br>      | Beneficiar:<br>   |
| Amplasament:<br>Sat Gura Saratii, Loc. Merei, Jud. Buzau        |                             | Proiect nr.<br><b>BX316</b> | Data: 05.2017 Faza: BP       |                   |
| Denumire desen:<br><b>Situatie Existenta Elevatie_BP</b>        |                             |                             |                              |                   |
| Proiectat<br>ing. A.Parmac                                      | Verificat<br>ing. A. Ionita | Scara:<br>1:100             | Desen nr:<br>FD.BX 316.BP_01 | Plansa nr.<br>2/3 |
| Aprobat<br>ing. F.Balasoiu                                      |                             |                             | Rev.<br>0                    | Format:<br>A3     |



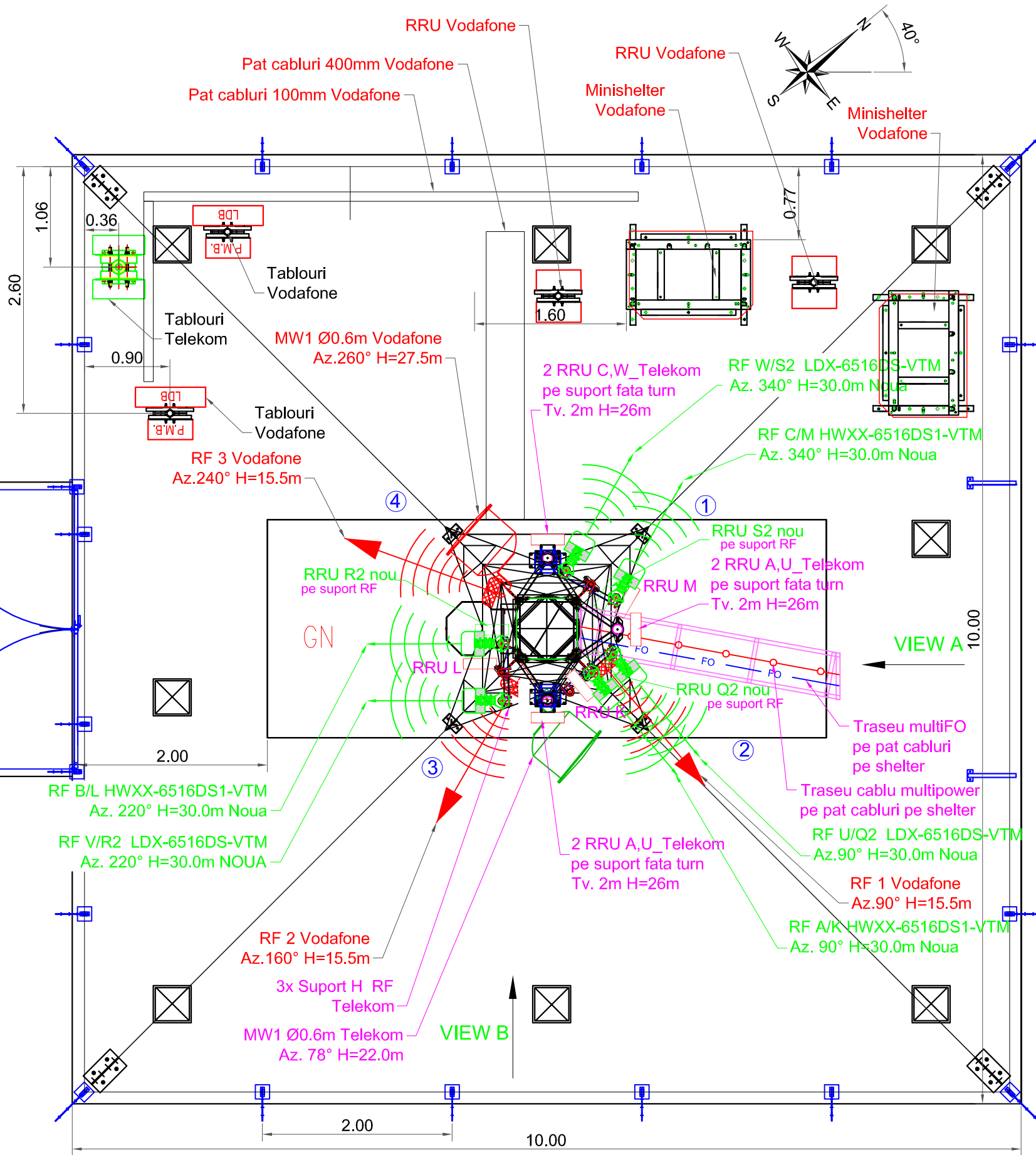
RBS2206

- B01. LIGHTS 2X36W (3PCS)
- B02. IONISATION & SMOKE DETECTOR (4PCS)
- B03. LIGHT SWITCH (5PCS)
- B04. POWER SOCKET (2PCS)
- B05. FIRE DETECTION BOARD (1PCS)
- B06. EMERGENCY LIGHT (1PCS)
- B07. DRAWING HOLDER (1PCS)
- B08. POWER BOARD (1PCS)
- B09. LIGHT 2X18W (1PCS)
- B10. MAGNETIC DOOR SENSOR (2SET)
- B11. EQUIPMENT SUPPORT PROLIFE
- B12. OUTDOOR LIGHT (2PCS)
- B13. MOTION DETECTOR (2PCS)

- E01. FIRE EXTINGUISHER CO2 (1PCS)
- E02. PNEUMATIC FIRE DETECTION SENSOR (2PCS)
- E03. CO2 INJECTION NOZZLE (2PCS)

COORDONATE GPS:  
N 45° 07' 38.5"  
E 26° 39' 05.0"

|   |                             |                             |                              |                   |
|---|-----------------------------|-----------------------------|------------------------------|-------------------|
| Titlu proiect:<br><b>STAȚIE DE BAZĂ PENTRU<br/>TELEFONIA MOBILĂ</b> |                             | Proiectant:<br>             | Contractor General :<br>     | Beneficiar:<br>   |
| Amplasament:<br>Sat Gura Saratii, Loc. Merei, Jud. Buzau            |                             | Proiect nr.<br><b>BX316</b> | Data: 05.2017 Faza: BP       |                   |
| Denumire desen:<br><b>Situatie Existenta Shelter_BP</b>             |                             |                             |                              |                   |
| Proiectat<br>ing. A.Parmac  | Verificat<br>ing. A. Ionita | Scara:<br>1:25              | Desen nr.<br>FD.BX 316.BP_01 | Plansa nr.<br>3/3 |
| Aprobat<br>ing. F.Balasoiu  |                             |                             | Rev.<br>0                    | Format:<br>A3     |



| Sector            | Tip antena                | Tip teava     | Azimut | Inaltime | Tilt M | Tilt E | Freq.   | Tip cablu | Lungime      |        | Observatii |
|-------------------|---------------------------|---------------|--------|----------|--------|--------|---------|-----------|--------------|--------|------------|
| RF U/Q2 +combiner | LDX-6516DS-VTM +K78210971 | Tv Ø60-L=3.0m | 90°    | 30.00m   | 0°     | 6°     | 900MHz  | FO+2x1/2" | 1x10m + 2x3m | RRU U  | NOUA       |
|                   |                           |               |        |          | 0°     | 6°     | 800MHz  | FO+2x1/2" | 1x10m + 2x3m | RRU Q2 |            |
| RF VR2 +combiner  | LDX-6516DS-VTM +K78210971 | Tv Ø60-L=3.0m | 220°   | 30.00m   | 0°     | 5°     | 900MHz  | FO+2x1/2" | 1x10m + 2x3m | RRU V  | NOUA       |
|                   |                           |               |        |          | 0°     | 5°     | 800MHz  | FO+2x1/2" | 1x10m + 2x3m | RRU R2 |            |
| RF WS2 +combiner  | LDX-6516DS-VTM +K78210971 | Tv Ø60-L=3.0m | 340°   | 30.00m   | 0°     | 3°     | 900MHz  | FO+2x1/2" | 1x10m + 2x3m | RRU W  | NOUA       |
|                   |                           |               |        |          | 0°     | 3°     | 800MHz  | FO+2x1/2" | 1x10m + 2x3m | RRU S2 |            |
| RF A/K            | HWXX-6516DS1-VTM          | Tv Ø60-L=3.0m | 90°    | 30.00m   | 0°     | 5°     | 1800MHz | FO+2x1/2" | 1x10m + 2x3m | RRU A  | NOUA       |
|                   |                           |               |        |          | 0°     | 6°     | 2100MHz | FO+2x1/2" | 1x10m + 2x2m | RRU K  |            |
| RF B/L            | HWXX-6516DS1-VTM          | Tv Ø60-L=3.0m | 220°   | 30.00m   | 0°     | 4°     | 1800MHz | FO+2x1/2" | 1x10m + 2x3m | RRU B  | NOUA       |
|                   |                           |               |        |          | 0°     | 5°     | 2100MHz | FO+2x1/2" | 1x10m + 2x2m | RRU L  |            |
| RF C/M            | HWXX-6516DS1-VTM          | Tv Ø60-L=3.0m | 340°   | 30.00m   | 0°     | 3°     | 1800MHz | FO+2x1/2" | 1x10m + 2x3m | RRU C  | NOUA       |
|                   |                           |               |        |          | 0°     | 3°     | 2100MHz | FO+2x1/2" | 1x10m + 2x2m | RRU M  |            |
| MW1               | Ø0.6m                     | Tv Ø114-L=2m  | 78°    | 22.0m    |        |        |         | RG213     |              |        |            |

\* Inaltimea de la partea superioara a antenei RF sau axul antenei MW la sol.

| Antena   | Tip Antenna | Inaltime* (m) | Az.    | Tilt Mec. | Tilt El. | Tip cablu | Lungime cabluri | Obs. |
|----------|-------------|---------------|--------|-----------|----------|-----------|-----------------|------|
| VODAFONE | RF 1        | K 742266      | 15.50m | 90°       |          |           |                 |      |
|          | RF 2        | K 742266      | 15.50m | 160°      | -        | -         | -               |      |
|          | RF 3        | K 742266      | 15.50m | 240°      | -        | -         | -               |      |
|          | MW1         | Ø0.60m        | 27.50m | 260°      | N/A      | RG 213    | -               |      |

\* Inaltimea de la partea inferioara a antenei RF sau axul antenei MW la sol.

**Solutia propusa pentru BX316 este :**

- Se vor inlocui antenele RF tip DBXLH-6565C-VTM(GSM900/DCS 1800) existente(3 buc.) , cu antene RF noi tip LDX-6516DS-VTM (GSM900+LTE800)- 3 buc. si combinari K78210971(3 buc) \_date noi tilt, azimute cf. cu tabel antene;
  - Se vor inlocui antenele RF tip K742215(UMTS2100) existente(3 buc.) , cu antene RF noi tip HWXX-6516DS1-VTM(DCS1800+UMTS2100)- 3 buc. \_date noi tilt, azimute cf. cu tabel antene;
  - Se pastreaza echipamentele RBS 6601\_DUG, RBS 6601\_DUW existente in shelter.
  - Se pastreaza echipamentele RRU existente pe site (3xRRUS-01B8\_900EMHz), (3xRRUS-01B3\_1800EMHz) si (3xRRUS-01B1\_2100MHz) ;
  - Se instaleaza 3 RRU noi tip R2217-B20 (LTE 800) pe suportii RF existenti pe turn,sub noile RF(HWXX-6516DS1-VTM)
  - Se instaleaza un RBS 6601L nou (+1xBB5212 nou) in rack 19" existent;
  - Se instaleaza FO noi 3x10m de la RRU\_Q2,R2,S2(LTE800) noi la CB/PDU/3 Sect existent.
  - Se instaleaza 6x1/2" jumperi 2m noi , de la noile antene RF(LDX-6516DS-VTM) la combinerii noi.
  - Se instaleaza 6x1/2" jumperi 3m noi , de la noile RRU(LTE800) la combinerii noi.
  - Se instaleaza 3x10m DC shielded cables Cu2x6mm<sup>2</sup> de la CB/PDU/3 Sect existent la RRU LTE noi ;
  - Cele 3xRRU noi se alimenteaza din 3 sigurante noi de 25A , din CB/PDU/3 existent pe turn.
  - RBS 6601L nou se va alimenta din siguranta 16A din PDU/2 existent in shelter.
- Traseele de Impantantare se vor suplimenta pentru suportii si echipamentele noi Instalate;  
Tresa metalica a cablurilor de alimentare RRU noi, se va lega la ground bar CB/PDU/3 Sect existent .

**Transmission**

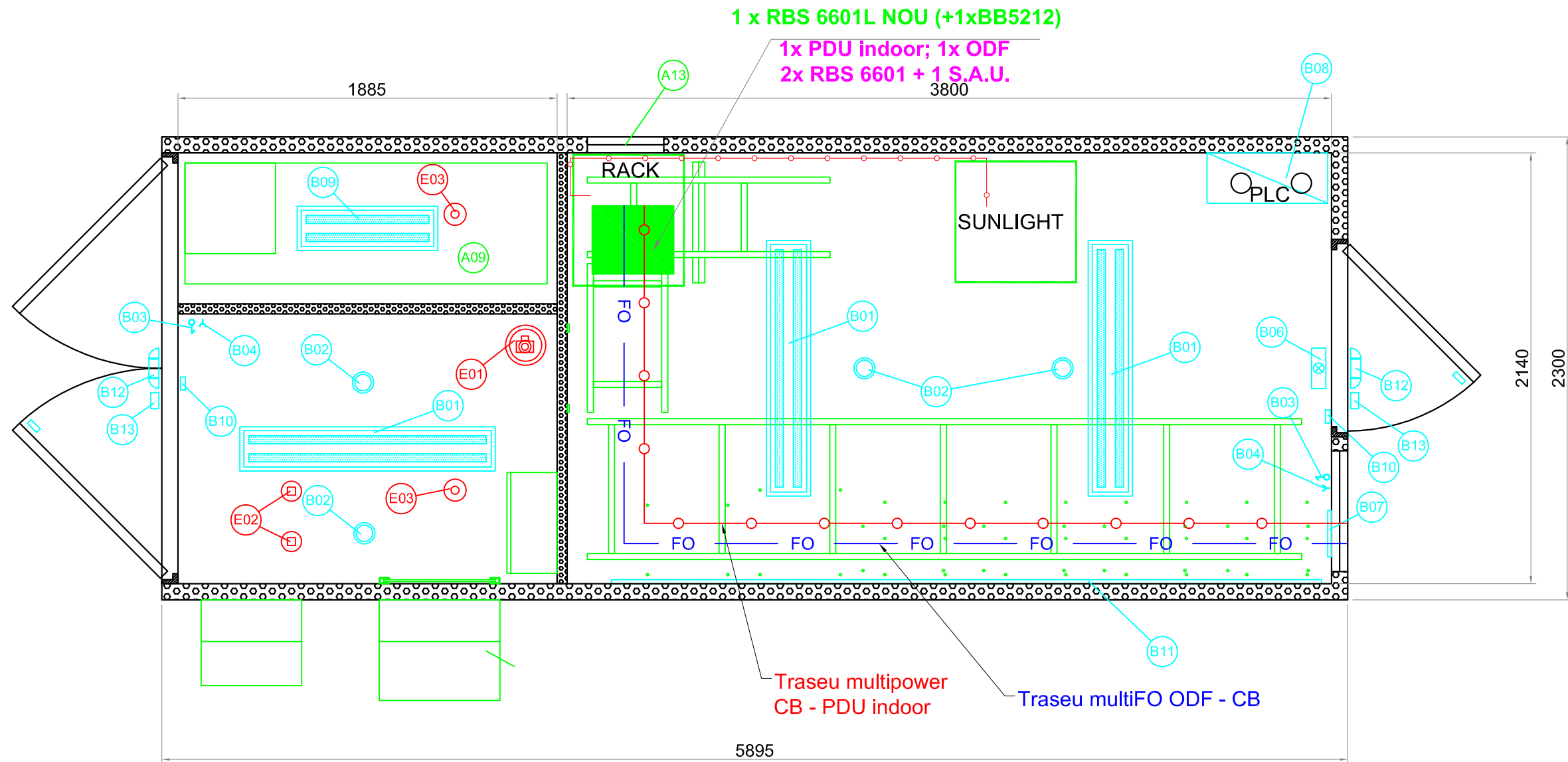
- 4G solution: Existing Eth link BX316 Sarata\_Monteoru\_X - BX088 Buzau RTc .

**COORDONATE GPS:**  
N 45° 07' 38.5"  
E 26° 39' 05.0"

|   |                             |                              |                                    |                         |
|---|-----------------------------|------------------------------|------------------------------------|-------------------------|
| Titlu proiect:<br><b>STAȚIE DE BAZĂ PENTRU TELEFONIA MOBILĂ</b> |                             | Proiectant:<br><b>F.D.P.</b> | Contractor General :<br><b>CRI</b> | Beneficiar:<br><b>T</b> |
| Amplasament:<br>Sat Gura Saratii, Loc. Merei, Jud. Buzau        |                             | Proiect nr.<br><b>BX316</b>  | Data: 05.2017                      | Faza: BP                |
| Denumire desen:<br><b>Situatie Propusa Plan_BP</b>              |                             |                              |                                    |                         |
| Proiectat<br>ing. A.Parmac                                      | Verificat<br>ing. A. Ionita | Scara:<br>1:50               | Desen nr:<br>FD.BX 316.BP_02       | Plansa nr.<br>1/3       |
| Aprobat<br>ing. F.Balasoiu                                      |                             |                              | Rev.<br>0                          | Format:<br>A3           |



# PLAN VIEW



RBS2206

- B01. LIGHTS 2X36W (3PCS)
- B02. IONISATION & SMOKE DETECTOR (4PCS)
- B03. LIGHT SWITCH (5PCS)
- B04. POWER SOCKET (2PCS)
- B05. FIRE DETECTION BOARD (1PCS)
- B06. EMERGENCY LIGHT (1PCS)
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- B12. OUTDOOR LIGHT (2PCS)
- B13. MOTION DETECTOR (2PCS)

- E01. FIRE EXTINGUISHER CO2 (1PCS)
- E02. PNEUMATIC FIRE DETECTION SENSOR (2PCS)
- E03. CO2 INJECTION NOZZLE (2PCS)

COORDONATE GPS:  
 N 45° 07' 38.5"  
 E 26° 39' 05.0"

|   |                             |                             |                              |                   |
|---|-----------------------------|-----------------------------|------------------------------|-------------------|
| Titlu proiect:<br><b>STAȚIE DE BAZĂ PENTRU TELEFONIA MOBILĂ</b> |                             | Proiectant:<br>             | Contractor General :<br>     | Beneficiar:<br>   |
| Amplasament:<br>Sat Gura Saratii, Loc. Merei, Jud. Buzau        |                             | Proiect nr.<br><b>BX316</b> | Data: 05.2017 Faza: BP       |                   |
| Denumire desen:<br><b>Situatie Propusa Shelter_BP</b>           |                             |                             |                              |                   |
| Proiectat<br>ing. A.Parmac                                      | Verificat<br>ing. A. Ionita | Scara:<br>1:25              | Desen nr.<br>FD.BX 316.BP_02 | Plansa nr.<br>3/3 |
| Aprobat<br>ing. F.Balasoiu                                      |                             |                             | Rev.<br>0                    | Format:<br>A3     |