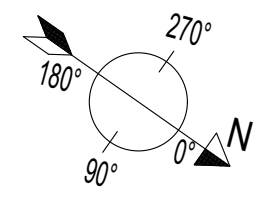


ANTENE EXISTENTE TELEKOM						
No	Tip Antena	Inaltime	Azimut	Feeder	Lungime feeder	Obs.
RF U,A	DBXLH-6565B	47.5	0			existenta
RF V,B	DBXLH-6565B	47.5	90			existenta
RF W	741785	47.5	230			existenta
RF Z,D,N	DBXLH-6565B	47.5	320			existenta
RF K	742215	48.5	0			existenta
RF L	742215	48.5	90			existenta
MW1	0.6	29	207			existenta
MW2	0.6	28	40			existenta

* inaltimea de la partea inferioara a antenei RF si axul MW la sol

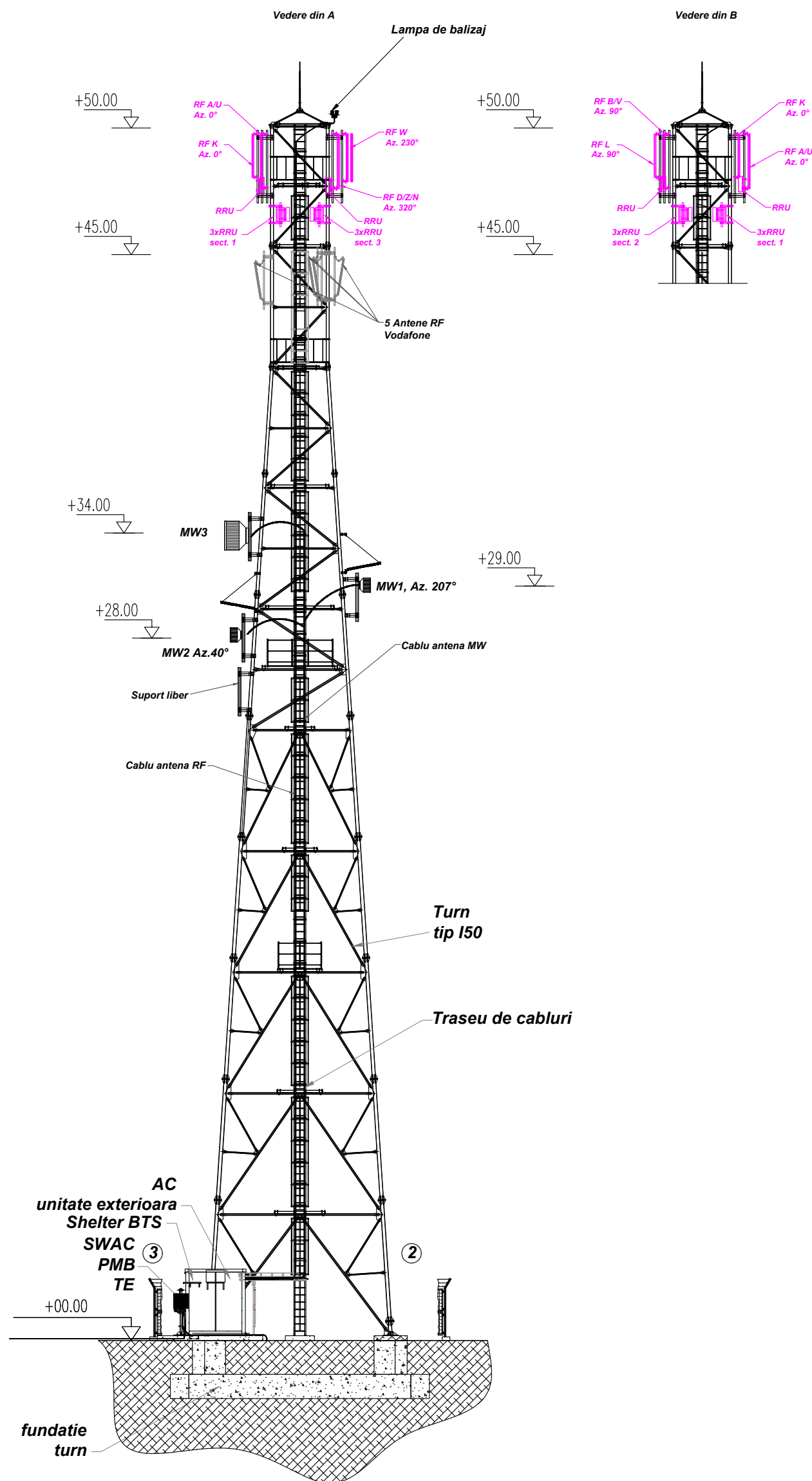
Situatie antene :

Antenna	Antenna type	Inaltime (m)	Obs.
RF1	-	45.00m	Vodafone
RF2	-	45.00m	Vodafone
RF3	-	45.00m	Vodafone
RF4	-	45.00m	Vodafone
RF5	-	45.00m	Vodafone
MW3	Ø 1.20m	34.00m	Hop Id 3201



Coordonate GPS
N 45 02 32.400
E 26 45 45.400

Beneficiar:		Denumire proiect:	STATIE FIXA PENTRU TELEFONIA MOBILA	Proiect nr.:	PC-ES-006	Faza:	BP
Contractor:		Adresa site:	Extravilan Sat Costesti, Tarla 30 Parcela 387, jud. Buzau	Nume site:	COSTESTI	Cod site:	BX101
Proiectant:		Denumire plansa:	Plan situatie existenta		Plansa nr.:	1	
Desenat:	ing. S. Sisu	Scara:	1:75	Desen nr.:	BP-001		
Proiectat:	ing. I. Iordache	Data:	MAI 2017	Denumire fisier:	BX101 Costesti BP rev 1.dwg		
Aprobat:	ing. I. Iordache					Rev.:	1
						Format:	A3

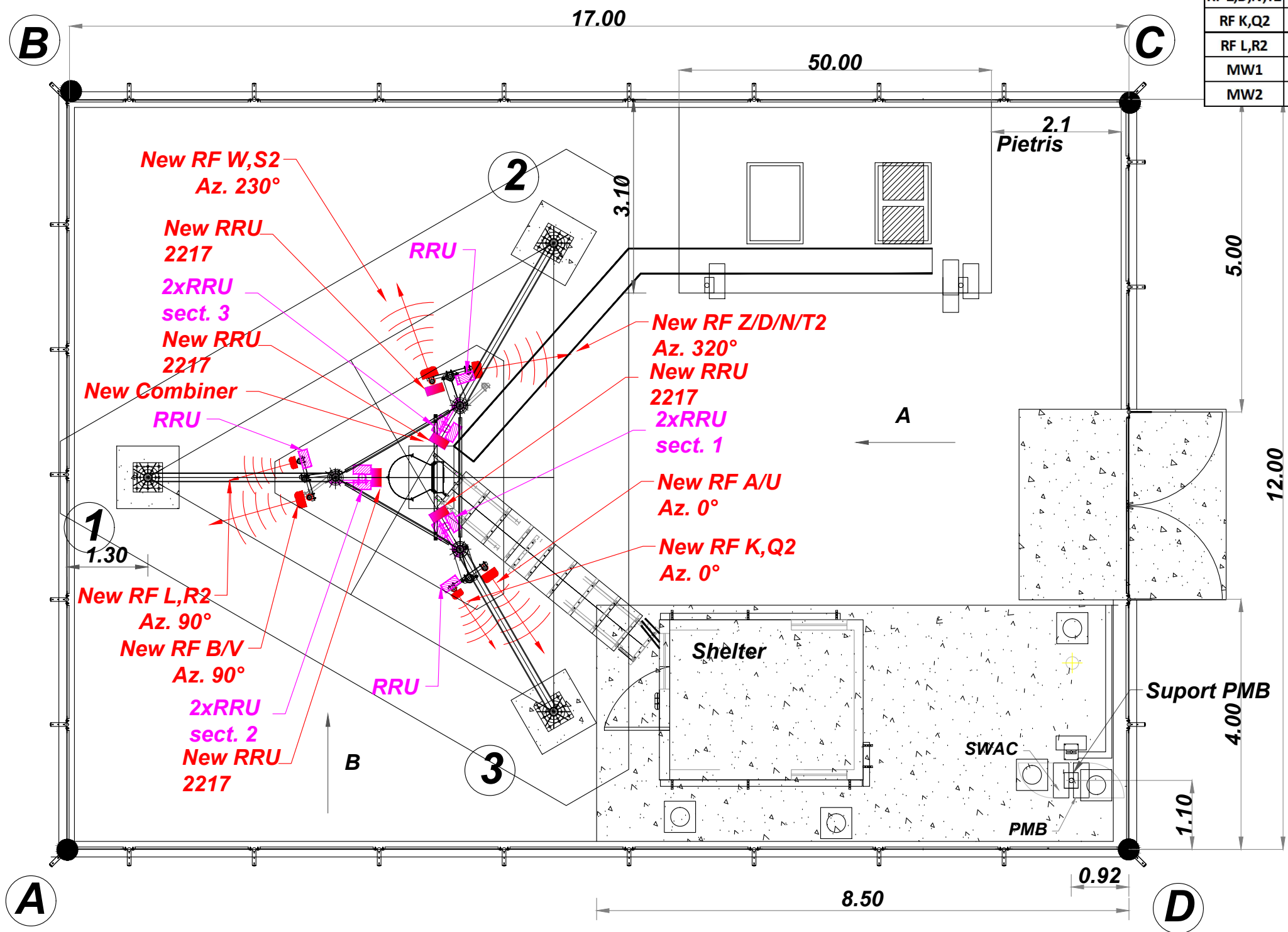


* inaltimea de la partea superioara a antenei RF si axul MW la sol

Situatie antene :

Antenna	Antenna type	Inaltime (m)	Obs.
RF1	-	45.00m	Vodafone
RF2	-	45.00m	Vodafone
RF3	-	45.00m	Vodafone
RF4	-	45.00m	Vodafone
RF5	-	45.00m	Vodafone
MW3	Ø 1.20m	34.00m	Hop Id 3201

Beneficiar:		Denumire proiect: STATIE FIXA PENTRU TELEFONIA MOBILA		Proiect nr. PC-ES-006	Faza: BP
Contractor:		Adresa site: Extravilan Sat Costesti, Tarla 30 Parcela 387, jud. Buzau		Nume site: COSTESTI	
Proiectant:		Denumire planşa: Elevatie situatie existenta			Plansa nr. 2
Desenat	ing. S. Sisu	Scara: 1:200	Desen nr.: BP-002		Rev. 1
Proiectat	ing. I. Iordache	Data: MAI 2017		Denumire fisier: BX101 Costesti BP rev 1.dwg	Format: A3
Aprobat	ing. I. Iordache				



ANTENE NOI TELEKOM						
No	Tip Antena	Inaltime	Azimut	Feeder	Lungime feeder	Obs.
RF U,A	LDDX-6516DS-VTM	47.5	20			noua
RF V,B	LDDX-6516DS-VTM	47.5	130			noua
RF W,S2	80010456V02	47.5	215			noua
RF Z,D,N,T2	80010456V02	47.5	315			noua
RF K,Q2	HWXX-6516DS1-VTM	48.5	20			noua
RF L,R2	HWXX-6516DS1-VTM	48.5	130			noua
MW1	0.6	29	207			existenta
MW2	0.6	28	40			existenta

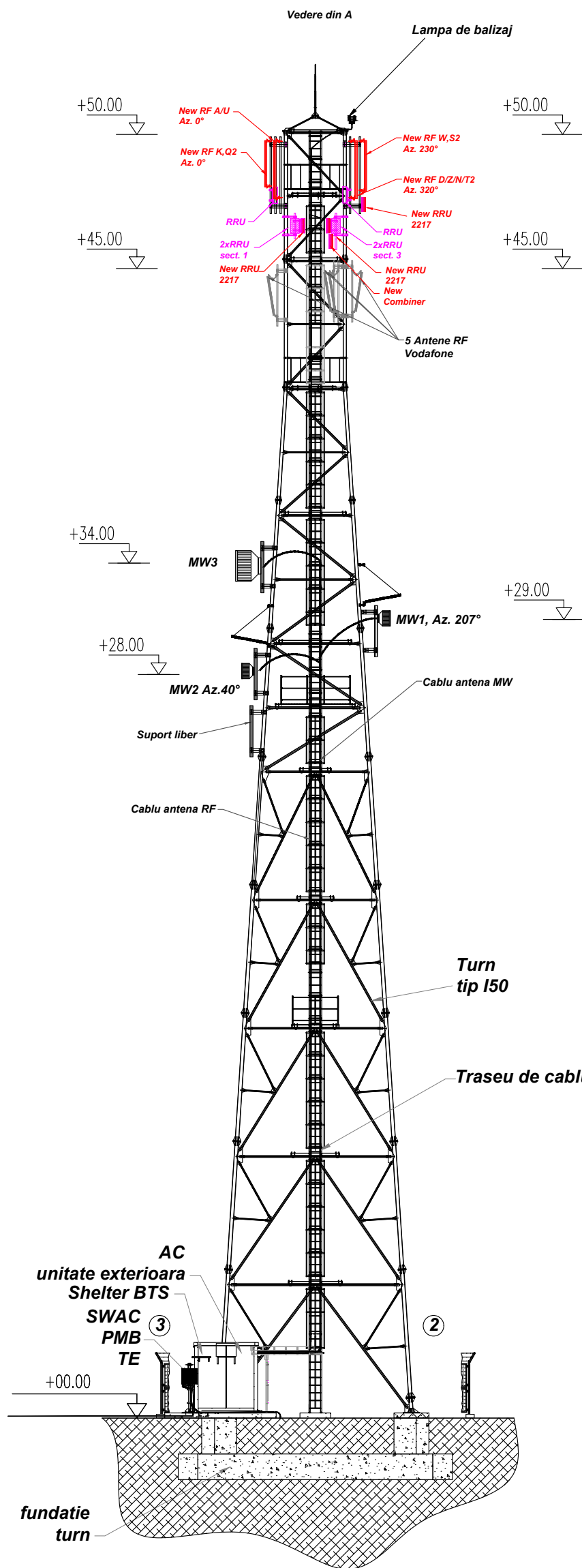
* inaltimea de la partea superioara a antenei RF si axul MW la sol

Situatie antene :

Antenna	Antenna type	Inaltime (m)	Obs.
RF1	-	45.00m	Vodafone
RF2	-	45.00m	Vodafone
RF3	-	45.00m	Vodafone
RF4	-	45.00m	Vodafone
RF5	-	45.00m	Vodafone
MW3	Ø 1.20m	34.00m	Hop Id 3201

Coordonate GPS
N 45 02 32.400
E 26 45 45.400

Beneficiar:		Denumire proiect:	STATIE FIXA PENTRU TELEFONIA MOBILA	Proiect nr.:	PC-ES-006	Faza:	BP
Contractor:		Adresa site:	Extravilan Sat Costesti, Tarla 30 Parcela 387, jud. Buzau	Nume site:	COSTESTI	Cod site:	BX101
Proiectant:		Denumire plansa:	Plan situatie finala		Plansa nr.:	3	
Desenat:	ing. S. Sisu	Scara:	1:75	Desen nr.:	BP-003	Rev.:	1
Proiectat:	ing. I. Iordache	Data:	MAI 2017	Denumire fisier:	BX101 Costesti BP rev 1.dwg	Format:	A3
Aprobat:	ing. I. Iordache						



Antenna system

- For azimuth 20°:
 - The existing 1x742215 RF antenna shall be replaced with 1xHWXX-6516DS1-VTM, use for UMTS2100 and GSM1800;
 - The existing 1xDBXLH-6565C-VTM RF antenna shall be replaced with 1xLDXX-6516DS-VTM, use for GSM900 and new LTE800 in parallel with the existing one;
- For azimuth 130°:
 - The existing 1x742215 RF antenna shall be replaced with 1xHWXX-6516DS1-VTM, use for UMTS2100 and GSM1800;
 - The existing 1xDBXLH-6565C-VTM RF antenna shall be replaced with 1xLDXX-6516DS-VTM, use for GSM900 and new LTE800 in parallel with the existing one);
- For azimuth 215°:
 - The existing 1x741785 RF antenna shall be replaced with 1x80010456V02, use for GSM900 and new LTE800(with combiner);
- For azimuth 315°:
 - The existing 1xDBXLH-6565C-VTM RF antenna shall be replaced with 1x80010826, use for GSM900/1800, UMTS2100 and new LTE800 ;
 - The physical parameters of the antennas shall be according to the attached SCF (They must be checked and confirmed in the Site Folder).

Radio Remote Units

- The existing GSM, UMTS RRUs shall remain in place;
- Four (4) new R2217-B20 RRUs shall be installed close to the corresponding antennas (the jumpers length shall be minimized).
- The existing 1xK78210621 RF combiner shall be dismantled, one new K78210971 RF combiner shall be installed for GSM900 and new LTE800.

Equipment

- The existing GSM-UMTS equipment shall remain in place;
- 1 new 6601L with 1xBB5212 shall be installed inside the existing rack;
- Four (4) new LTE800 cells (Q2,R2,S2,T2) shall be activated.

Situatie antene :

Antenna	Antenna type	Inaltime (m)	Obs.
RF1	-	45.00m	Vodafone
RF2	-	45.00m	Vodafone
RF3	-	45.00m	Vodafone
RF4	-	45.00m	Vodafone
RF5	-	45.00m	Vodafone
MW3	Ø 1.20m	34.00m	Hop Id 3201

Beneficiar:		Denumire proiect: STATIE FIXA PENTRU TELEFONIA MOBILA		Proiect nr. PC-ES-006	Faza: BP
Contractor:		Adresa site: Extravilan Sat Costesti, Tarla 30 Parcela 387, jud. Buzau		Nume site: COSTESTI	
Proiectant:		Denumire plansa: Elevatie situatie finala		Plansa nr. 4	
Desenat	ing. S. Sisu	Scara: 1:200	Desen nr.: BP-004		Rev. 1
Proiectat	ing. I. Iordache	Data: MAI 2017	Denumire fisier: BX101 Costesti BP rev 1.dwg		Format: A3
Aprobat	ing. I. Iordache				