

BLOCK 1

Warning: tower inside restricted area

Warning: span too short

14.76 m      17.18 m

```
{585,474.69373236801;  
  585,482.8998080508;  
  4,093,641.27397254;  
  4,093,648.2311390876;  
  211.46407022288;  
  210.9306524025}
```

ELEVATION

△  
211.46

△  
210.93

|                |             |   |
|----------------|-------------|---|
| MV Single fork | Single fork | 2 |
|----------------|-------------|---|

## SPAN LENGTHS

9.59 m

LINE LENGTH

0.0 m      9.59 m

### RULING SPAN

**BLOCK 1:** 9.59 m

## Notes

The overhead line is a transmission line of 145.0 kV transporting a capacity of 35.5 MVA from the facility with the code ST to the POI.

GENERAL CHARACTERISTICS OF THE LINE:

Nominal voltage: 132.0 kV  
Maximum voltage: 145.0 kV  
Capacity: 35.5 MVA  
Length of the line: 2.07 km  
Number of blocks: 5  
Right of way buffer: 10.0 m

### CHARACTERISTICS OF THE LINE COMPONENTS:

Type of tower: MV\_SINGLE\_FORK  
Number of towers: 11  
Conductor's type: 250-A1/S1A  
Number of circuits: 1  
Number of bundles: 1  
Earth wire's type: OPGW-2S 1/48B1 (0/165-213.7)  
Number of earth wire(s): 1  
Suspension Insulator's type: U160BS  
Tension Insulator's type: U160BS

Legend

△

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| 00  | FIRST VERSION | RP | 2024-10-29 |
| REV | DESCRIPTION   | BY | DATE       |

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PROJECT:

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**DRAWING:**

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SALE:

|  |        |
|--|--------|
|  | SHEET: |
|--|--------|

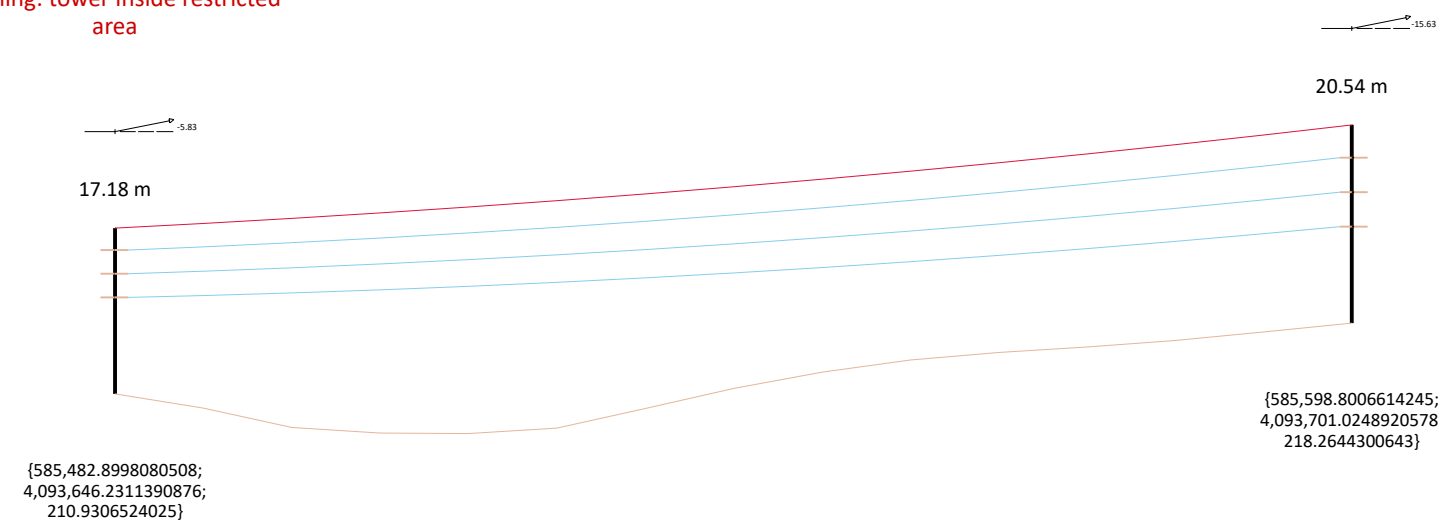
REVISION:

|    |       |
|----|-------|
| 85 | 1 / 1 |
|    | DATE: |

IN A2

## BLOCK 2

Warning: tower inside restricted area



ELEVATION

|                |   |
|----------------|---|
| MV Single fork | 2 |
|----------------|---|

MV Single fork 3

## SPAN LENGTHS

LINE LENGTH

RULING SPAN

128.2 m

137.79 m

BLOCK 2: 128.2 m

## Notes

The overhead line is a transmission line of 145.0 kV transporting a capacity of 35.5 MVA from the facility with the code ST to the POI.

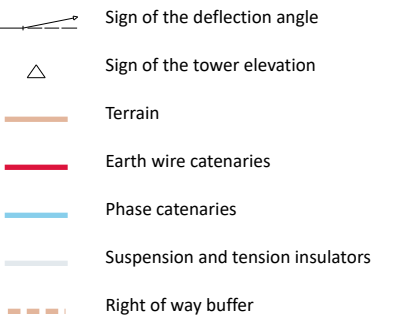
GENERAL CHARACTERISTICS OF THE LINE:

Nominal voltage: 132.0 kV  
Maximum voltage: 145.0 kV  
Capacity: 35.5 MVA  
Length of the line: 2.07 km  
Number of blocks: 5  
Right of way buffer: 10.0 m

### CHARACTERISTICS OF THE LINE COMPONENTS:

Type of tower: MV\_SINGLE\_FORK  
Number of towers: 11  
Conductor's type: 250-A1/S1A  
Number of circuits: 1  
Number of bundles: 1  
Earth wire's type: OPGW-2S 1/48B1 (0/165-213.7)  
Number of earth wire(s): 1  
Suspension Insulator's type: U160BS  
Tension Insulator's type: U160BS

Legend



|     |               |    |            |
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|     |               |    |            |
| 00  | FIRST VERSION | RP | 2024-10-29 |
| REV | DESCRIPTION   | BY | DATE       |

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PROJECT:

## Webinar Amperecloud

**DRAWING:**

Overhead line drawing

SALE:

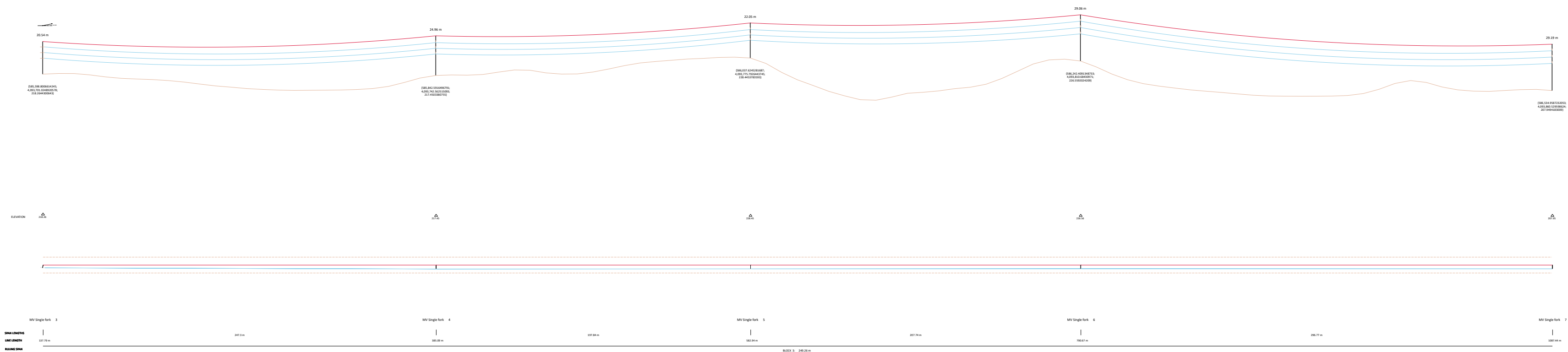
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EVISION:

84

2024-10-29

IN A2



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## Notes

The overhead line is a transmission line of 145.0 kV transporting a capacity of 35.5 MVA from the facility with the code ST to the POI.

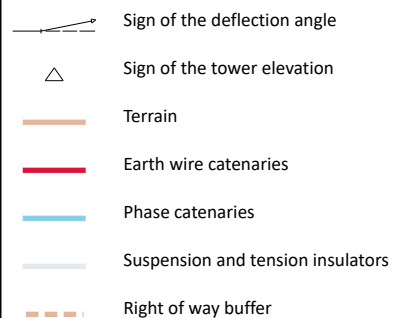
GENERAL CHARACTERISTICS OF THE LINE:

Nominal voltage: 132.0 kV  
Maximum voltage: 145.0 kV  
Capacity: 35.5 MVA  
Length of the line: 2.07 km  
Number of blocks: 5  
Right of way buffer: 10.0 m

CHARACTERISTICS OF THE LINE COMPONENTS:

Type of tower: MV\_SINGLE\_FORK  
Number of towers: 11  
Conductor's type: 250-A1/S1A  
Number of circuits: 1  
Number of bundles: 1  
Earth wire's type: OPGW-2S 1/48B1 (0/165-213.7)  
Number of earth wire(s): 1  
Suspension Insulator's type: U160BS  
Tension Insulator's type: U160BS

Legend



|     |               |    |            |
|-----|---------------|----|------------|
|     |               |    |            |
| 00  | FIRST VERSION | RP | 2024-10-29 |
| REV | DESCRIPTION   | BY | DATE       |

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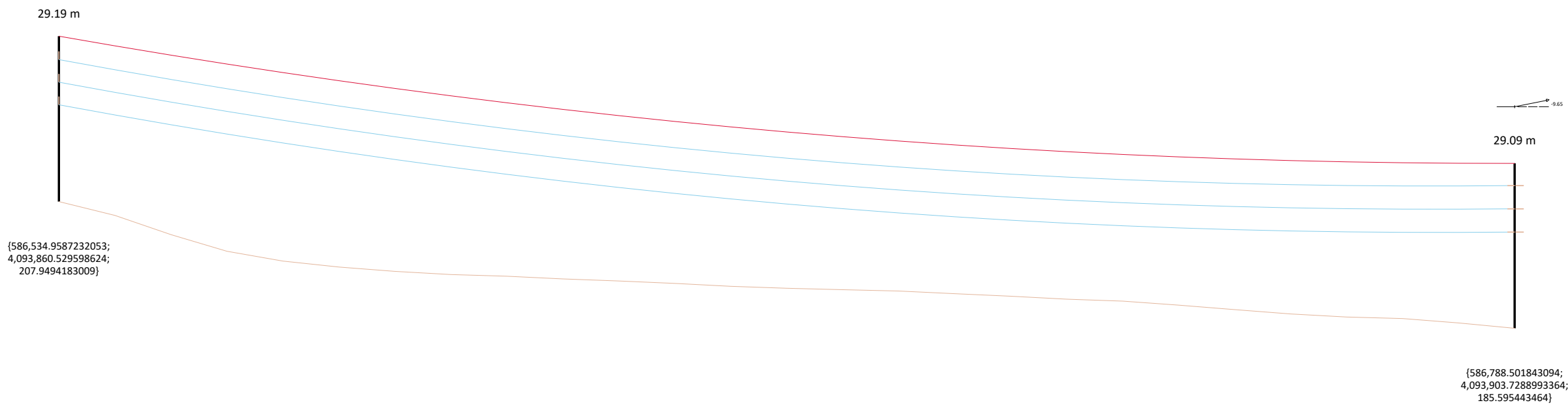


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| PROJECT: | Webinar Amperecloud |
|----------|---------------------|

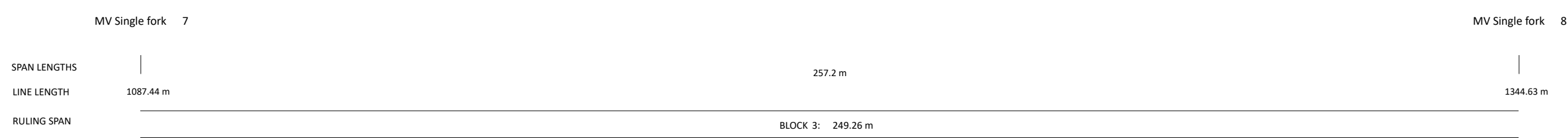
DRAWING: Overhead line drawing








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| SCALE:<br>1 : 2179 | SHEET:<br>3 / 7     |
| REVISION:<br>00    | DATE:<br>2024-10-25 |

DIN A2



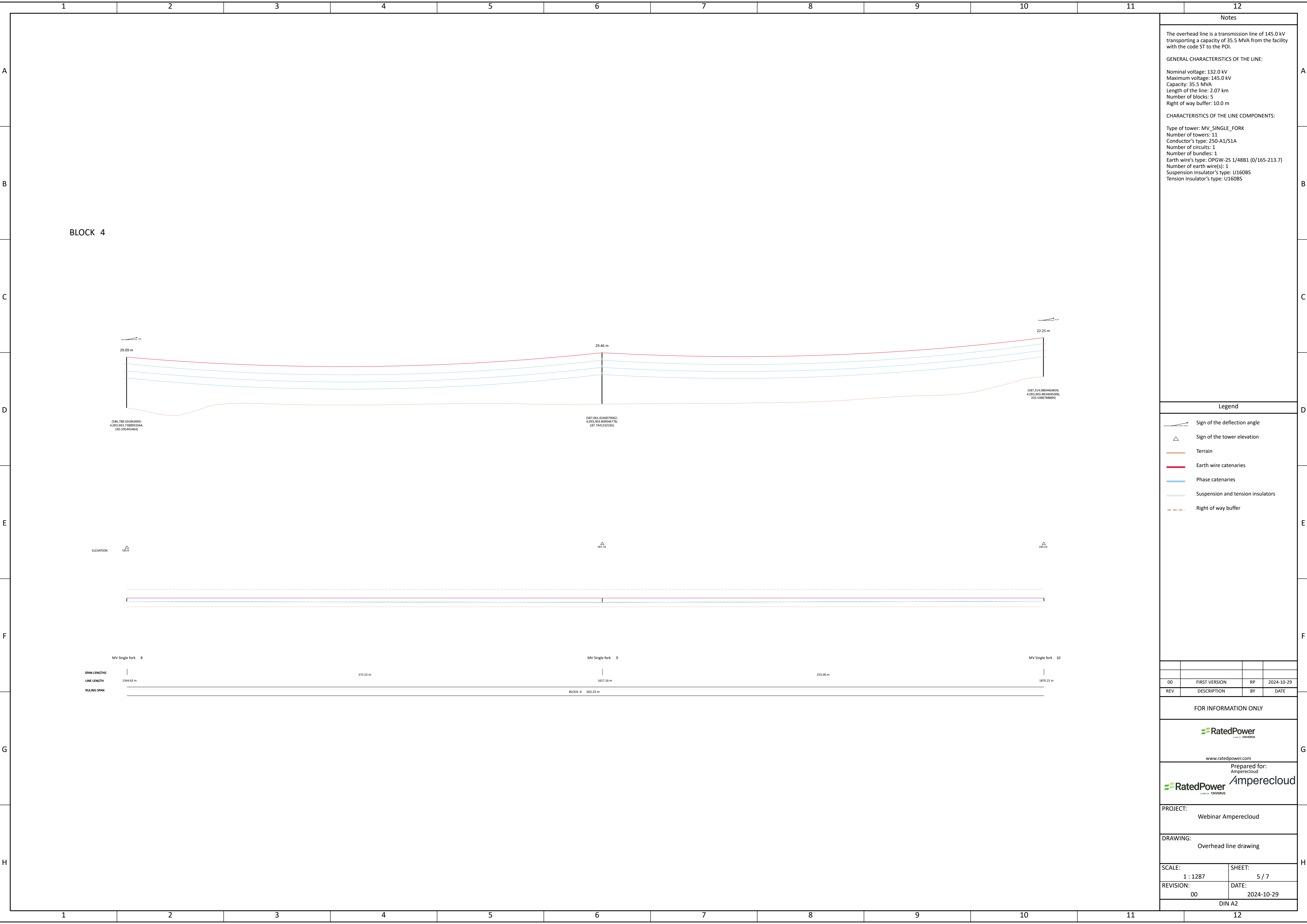
185.6



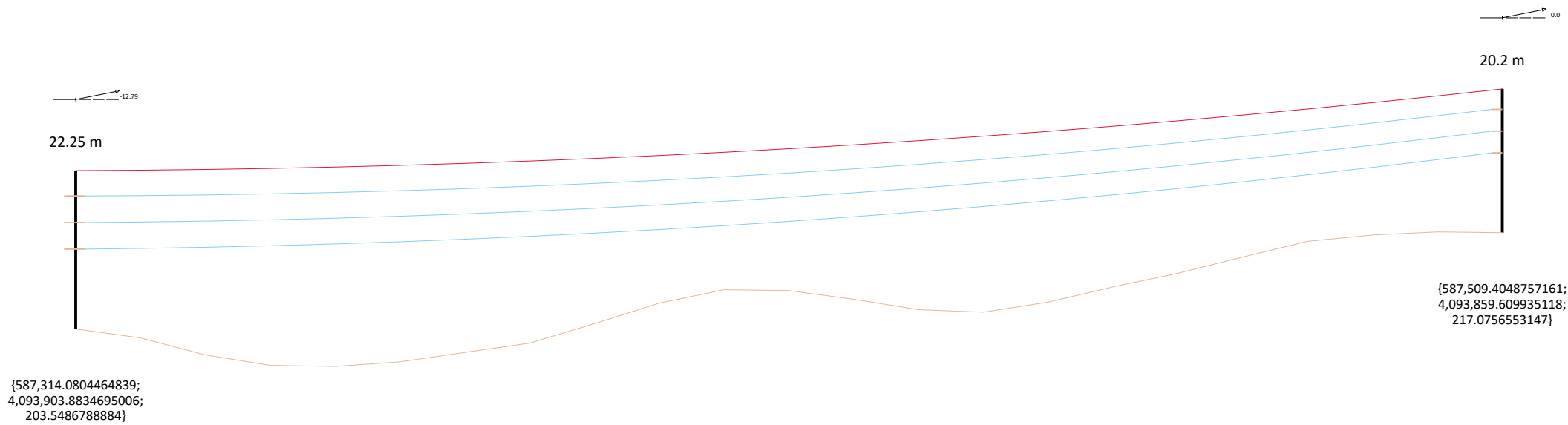
|                                                                                       |                                   |
|---------------------------------------------------------------------------------------|-----------------------------------|
|    | Sign of the deflection angle      |
|    | Sign of the tower elevation       |
|  | Terrain                           |
|  | Earth wire catenaries             |
|  | Phase catenaries                  |
|  | Suspension and tension insulators |
|  | Right of way buffer               |

|        |            |
|--------|------------|
| 30     | 2024-10-29 |
| DIN A2 |            |

|  |   |
|--|---|
|  | H |
|--|---|



BLOCK 5



{587,314.0804464839;  
4,093,903.8834695006;  
203.5486788884}

{587,509.4048757161;  
4,093,859.609935118;  
217.0756553147}

ELEVATION  
203.55

217.08

MV Single fork 10

MV Single fork 11

|              |                   |           |
|--------------|-------------------|-----------|
| SPAN LENGTHS |                   |           |
| LINE LENGTH  | 1870.21 m         | 2070.49 m |
| RULING SPAN  | BLOCK 5: 200.28 m |           |

Notes

The overhead line is a transmission line of 145.0 kV transporting a capacity of 35.5 MVA from the facility with the code ST to the POI.

GENERAL CHARACTERISTICS OF THE LINE:

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Maximum voltage: 145.0 kV  
Capacity: 35.5 MVA  
Length of the line: 2.07 km  
Number of blocks: 5  
Right of way buffer: 10.0 m

CHARACTERISTICS OF THE LINE COMPONENTS:

Type of tower: MV\_SINGLE\_FORK  
Number of towers: 11  
Conductor's type: 250-A1/S1A  
Number of circuits: 1  
Number of bundles: 1  
Earth wire's type: OPGW-25 1/48B1 (0/165-213.7)  
Number of earth wire(s): 1  
Suspension Insulator's type: U160BS  
Tension Insulator's type: U160BS

Legend

- Sign of the deflection angle
- Sign of the tower elevation
- Terrain
- Earth wire catenaries
- Phase catenaries
- Suspension and tension insulators
- Right of way buffer

|     |               |    |            |
|-----|---------------|----|------------|
|     |               |    |            |
| 00  | FIRST VERSION | RP | 2024-10-29 |
| REV | DESCRIPTION   | BY | DATE       |

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Prepared for:  
Amperecloud

|                                   |                     |
|-----------------------------------|---------------------|
| PROJECT:<br>Webinar Amperecloud   |                     |
| DRAWING:<br>Overhead line drawing |                     |
| SCALE:<br>1 : 788                 | SHEET:<br>6 / 7     |
| REVISION:<br>00                   | DATE:<br>2024-10-29 |
| DIN A2                            |                     |