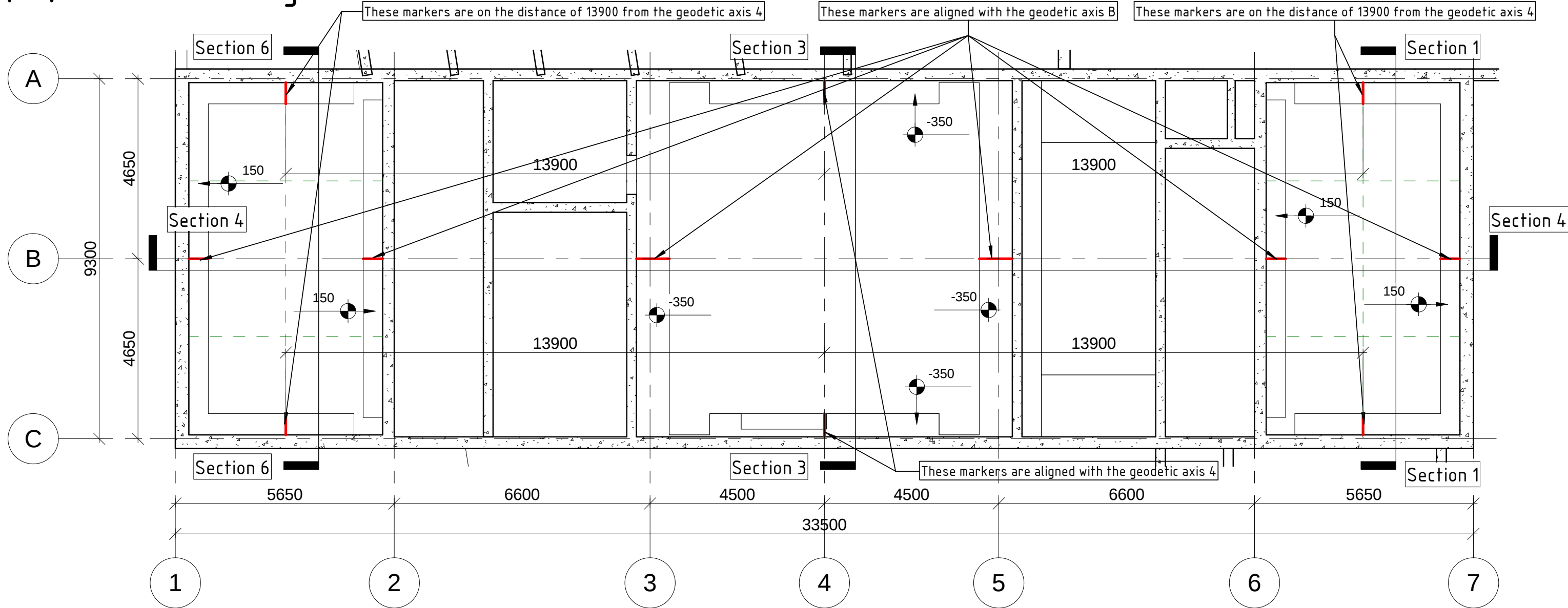


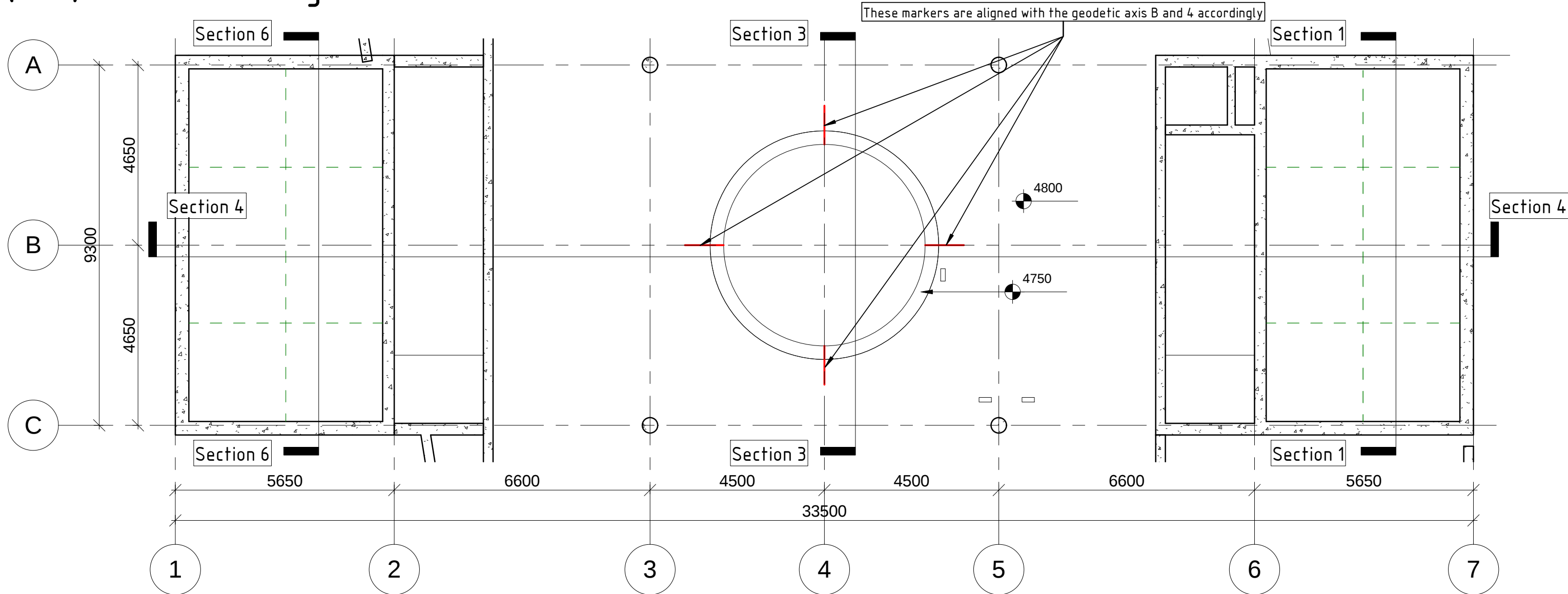
0000 (EG) construction alignment

1 : 100



4800 (1.0G) construction alignment

1 : 100



For the equipment installation purposes, all the central openings must be centered by the geodetic axis B and 4.  
Axis B and 4, representing the central axis of all the openings in the floor slabs in axis A-C and 3-5 must be marked like it is shown on the drawings.

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| PROJECT | TT45V1 |
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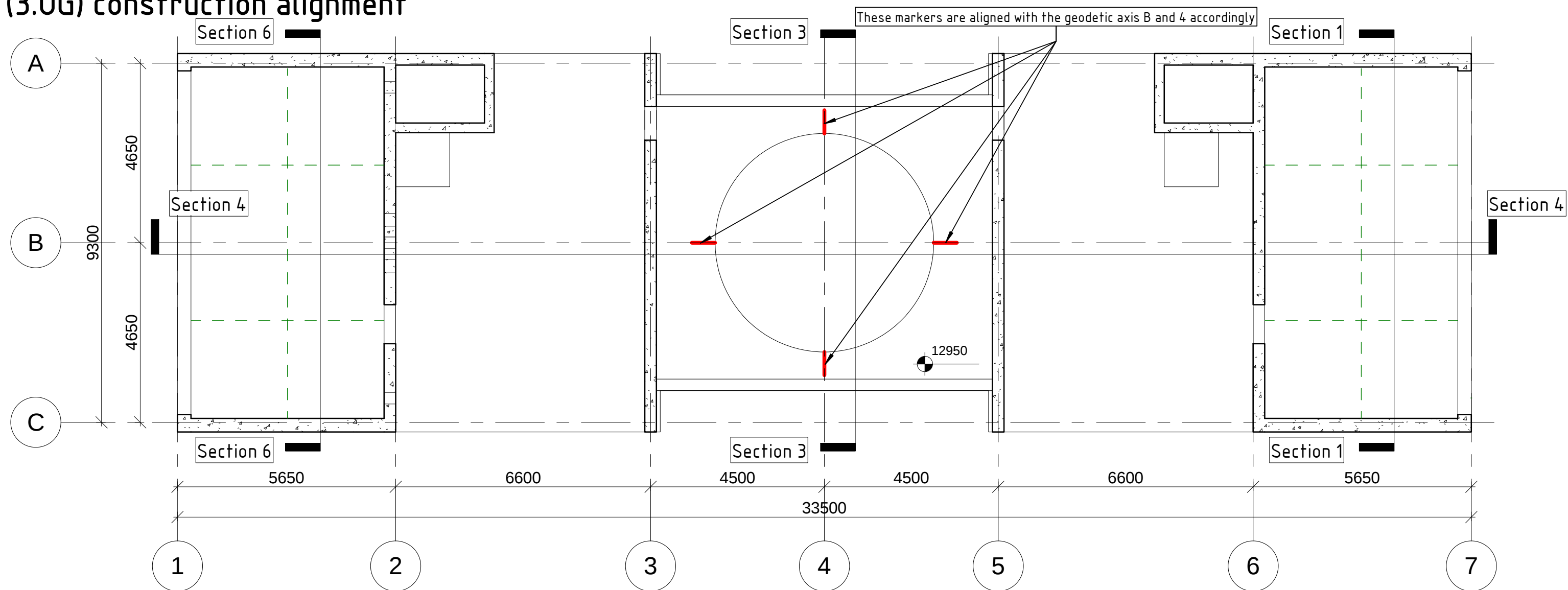
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| TITLE | Construction alignment |
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| CLIENT | Alexander Parmanin |
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| DRAWN BY<br>Mikhail Berlin | CHECKED BY<br>Ivan Savchenko | DATE<br>01/12/16 |
| SCALE ( @A2 )<br>1 : 100   | PROJECT<br>T00013ER          |                  |
| DRAWING NUMBER<br>A01      |                              | REV              |

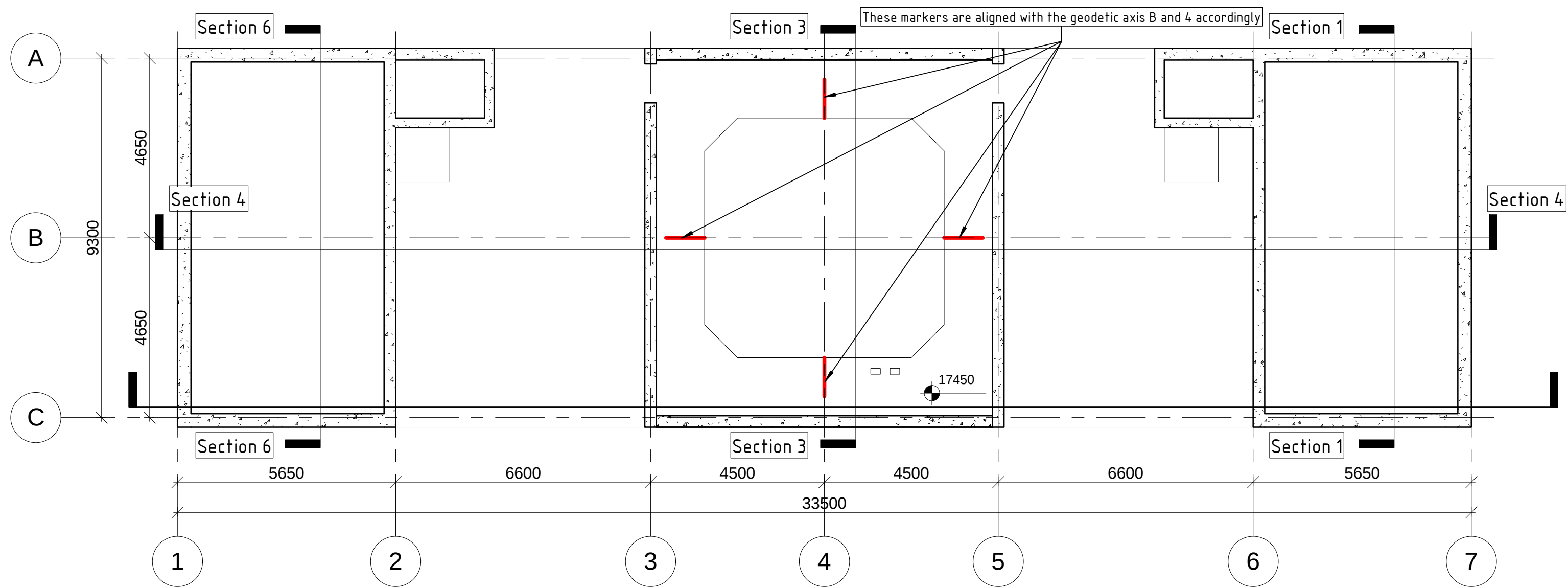
12950 (3.OG) construction alignment

1 : 100



17450 (4.OG) construction alignment

1 : 100



For the equipment installation purposes, all the central openings must be centered by the geodetic axis B and 4.  
Axis B and 4, representing the central axis of all the openings in the floor slabs in axis A-C and 3-5 must be marked like it is shown on the drawings.

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PROJECT

TT45V1

TITLE

Construction alignment

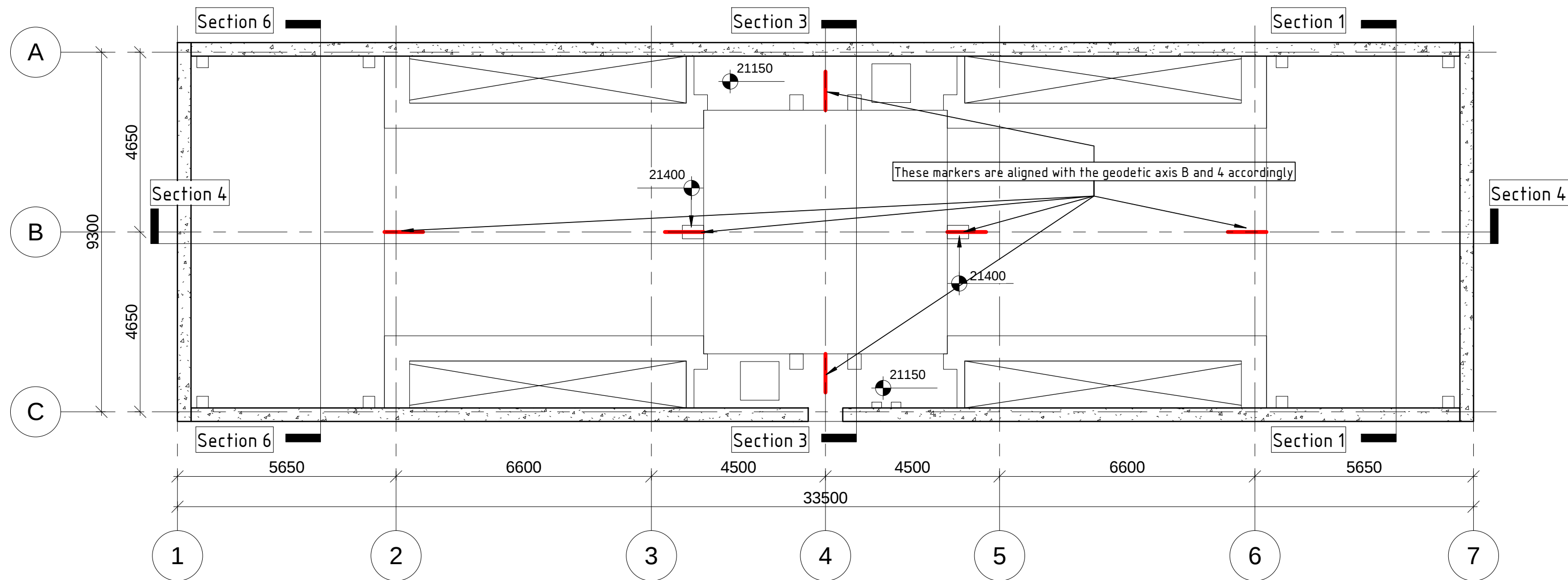
CLIENT

Alexander Parmanin

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| DRAWN BY<br>Mikhail Berlin | CHECKED BY<br>Ivan Savchenko | DATE<br>01/12/16 |
| SCALE ( @A2 )<br>1 : 100   | PROJECT<br>T00013ER          |                  |
| DRAWING NUMBER<br>A02      |                              | REV              |

21150 (5.0G) construction alignment

1 : 100



For the equipment installation purposes, all the central openings must be centered by the geodetic axis B and 4.  
Axis B and 4, representing the central axis of all the openings in the floor slabs in axis A-C and 3-5 must be marked like it is shown on the drawings.

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| CODE   | SUITABILITY DESCRIPTION |
| STATUS | PURPOSE OF ISSUE        |



TUNNEL TECHNOLOGIES

PROJECT

TT45V1

TITLE

Construction alignment

CLIENT

Alexander Parmanin

DRAWN BY

Mikhail Berlin

CHECKED BY

Ivan Savchenko

DATE

01/12/16

SCALE ( @A2 )

1 : 100

PROJECT

№00013ER

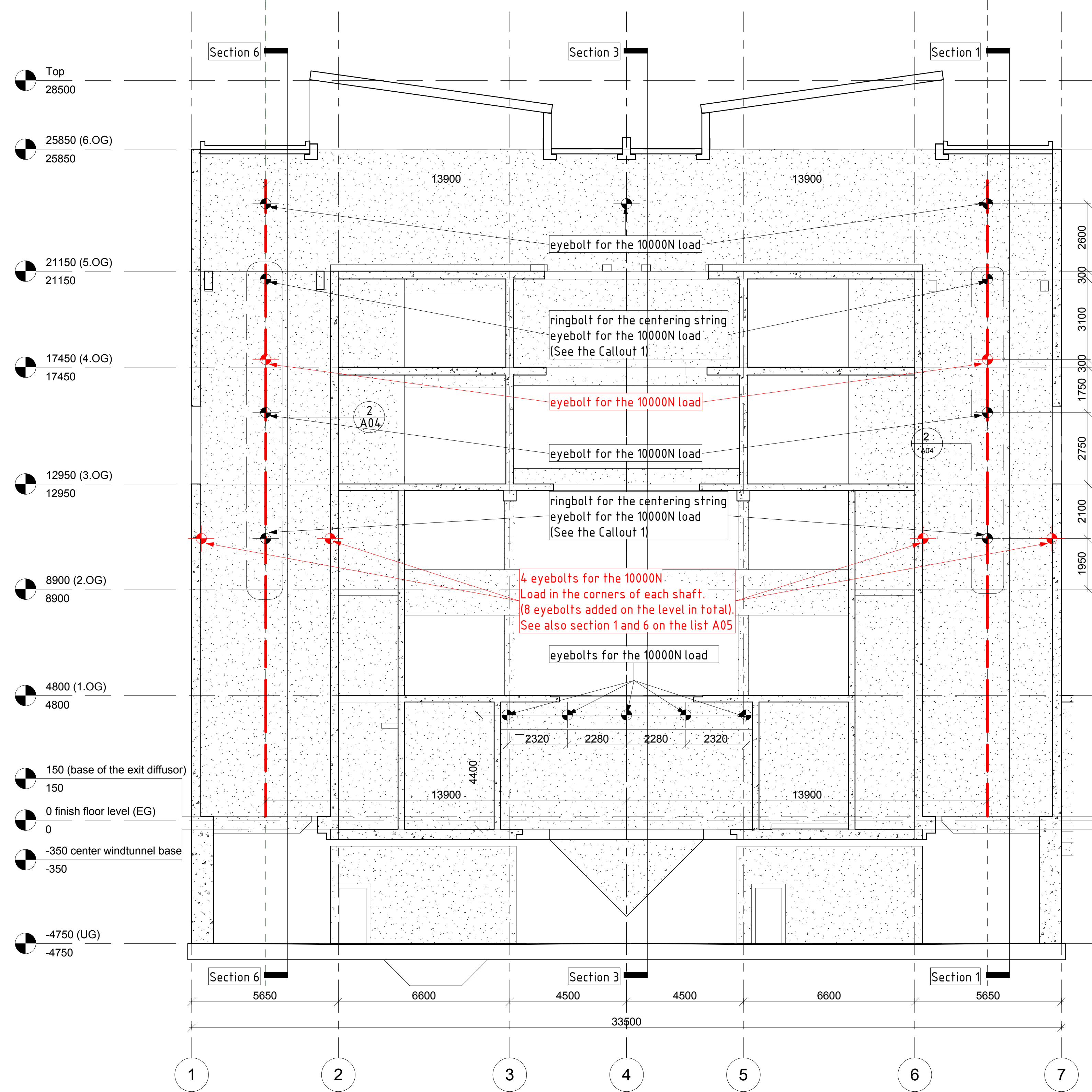
DRAWING NUMBER

A03

REV

01.12.2016 13:47:24

Section 4 construction alignment  
1:100

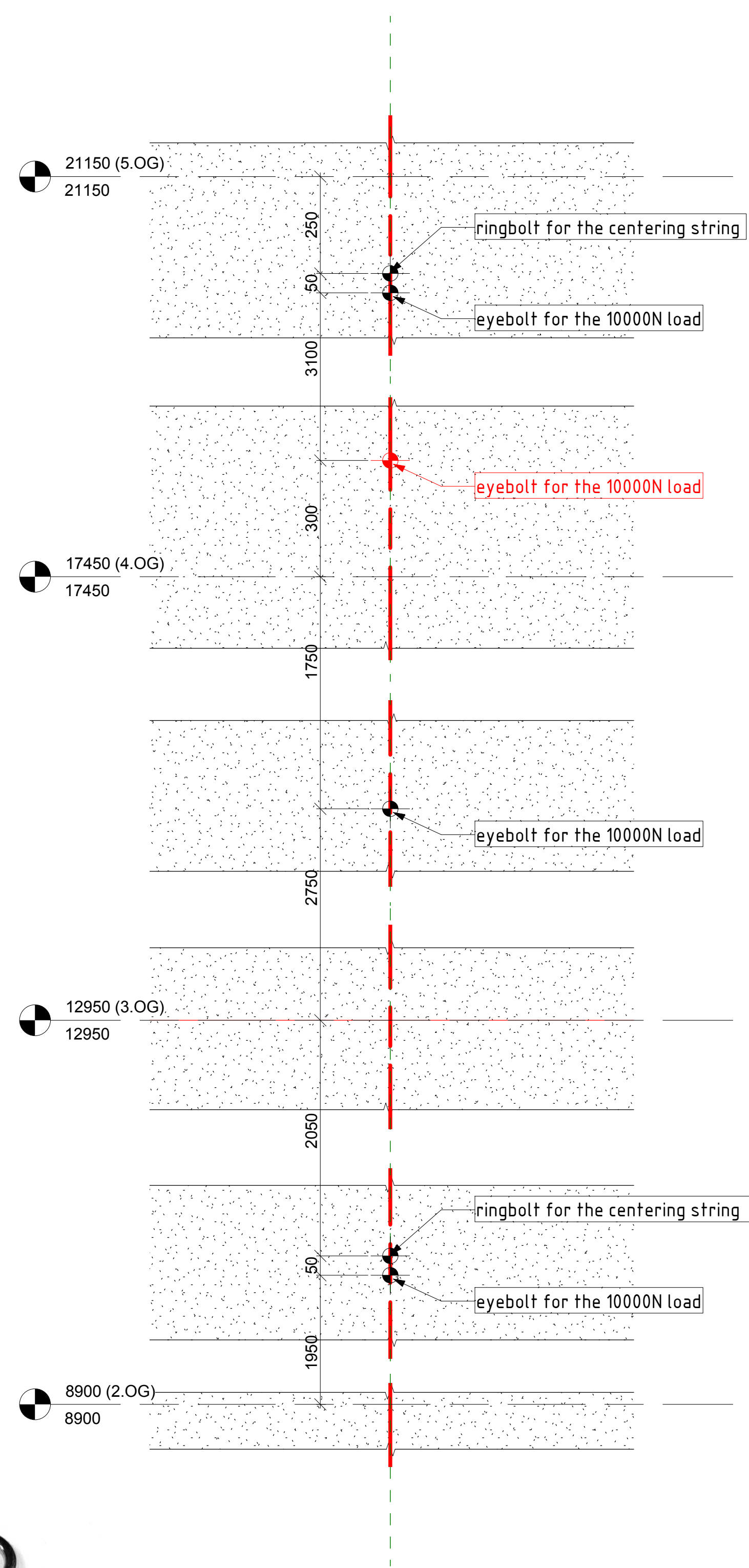


For the equipment installation purposes, centerlines of the side shafts must be marked along all their height. The centerlines must be marked on all four walls of each of two shafts from the 0150 elevation mark to 25000.

The centerlines on the walls along axis A and C must be on the distance of 13900 mm from the central geodetic axis 4 (the axis of all the central openings). See Section 4.

The centerlines on the wall along axis 1, 2, 6, 7 must represent the geodetic axis B (the axis of all the central openings). See Section 1 and Section 6 on the list A05.

2 Section 4 construction alignment - Callout 1  
1:10



Ringbolt to stretch a string for the precise marking the axis of a shaft



Eyebolt calculated to withstand 10000N load

| Rev | Description | Date |
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| STATUS | PURPOSE OF ISSUE        |



PROJECT  
**TT45V1**

TITLE  
**Construction alignment**

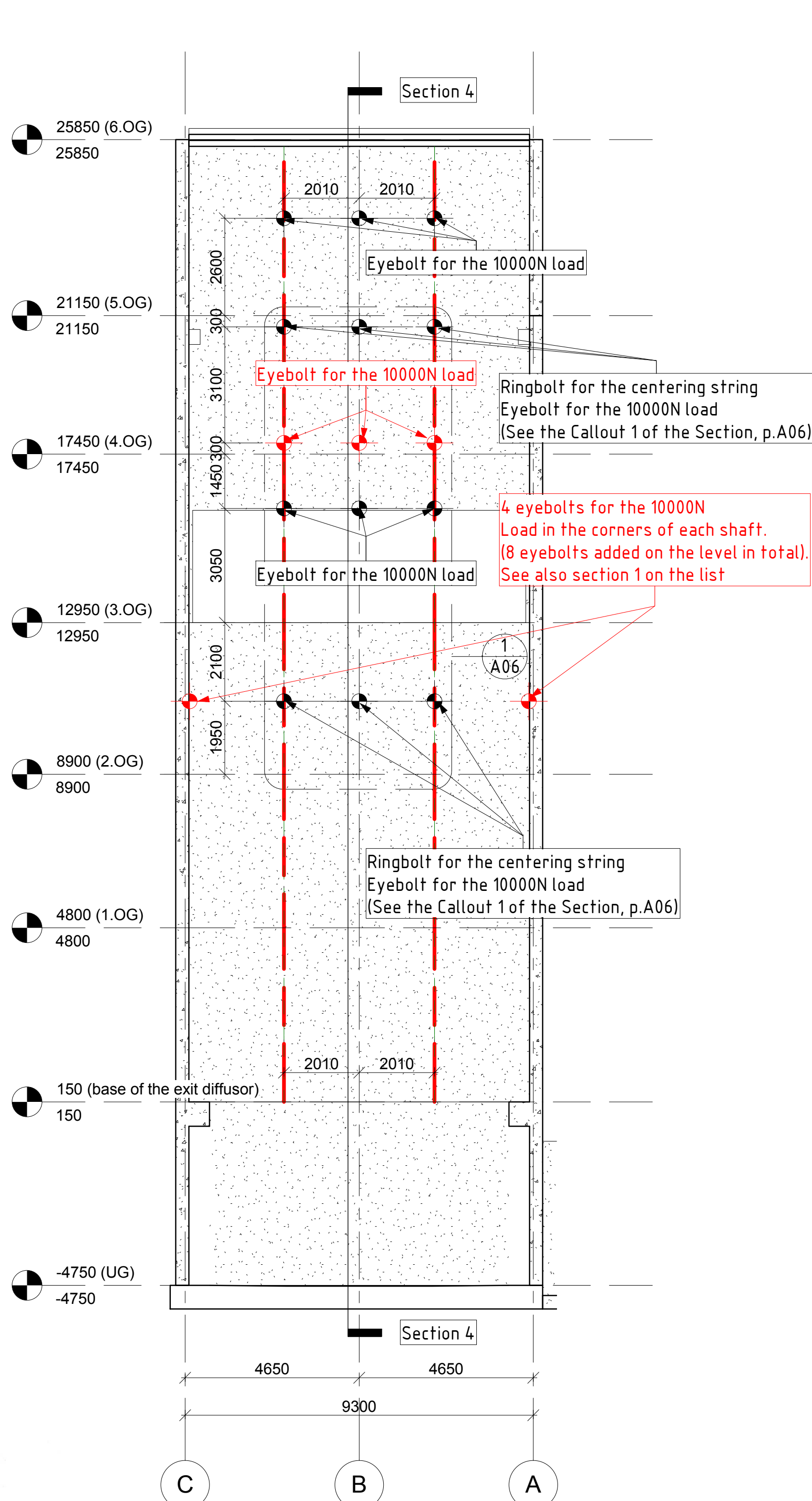
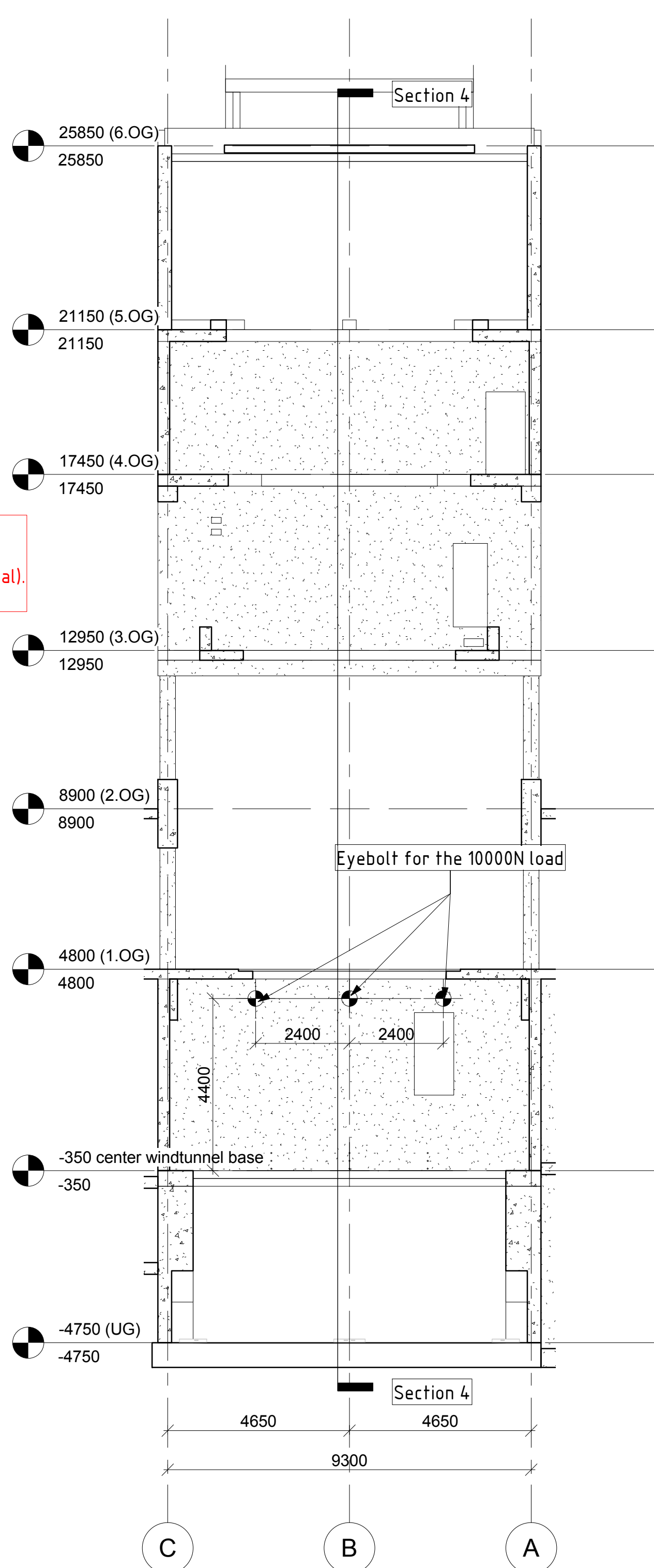
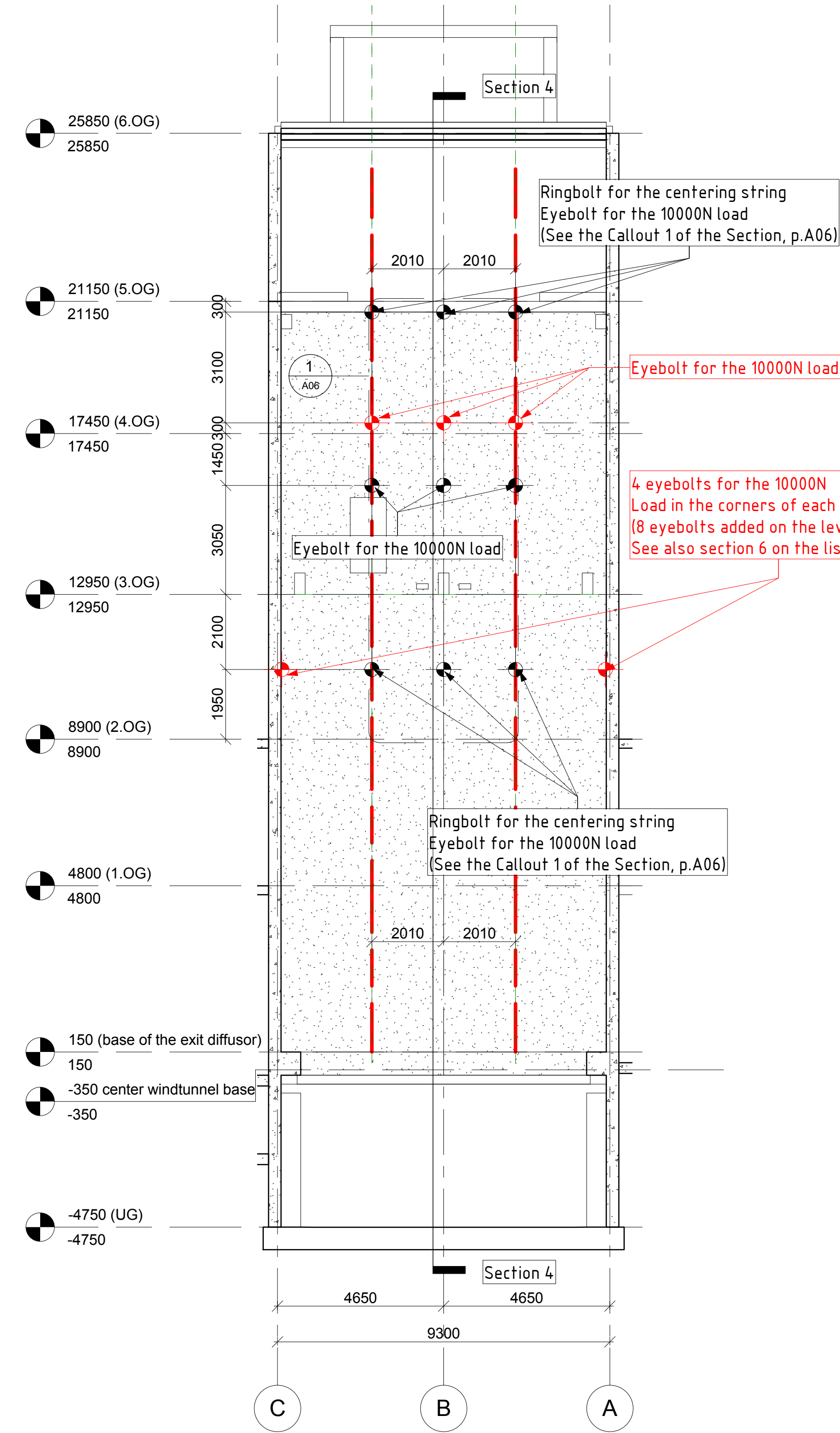
CLIENT  
**Alexander Parmanin**

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| DRAWN BY<br>Mikhail Berlin   | CHECKED BY<br>Ivan Savchenko | DATE<br>01/12/16      |
| SCALE (@ A1)<br>As indicated | PROJECT NUMBER<br>0001       | DRAWING NUMBER<br>A04 |
|                              |                              | REV                   |

Section 1 construction alignment  
1 : 100

Section 3 construction alignment  
1 : 100

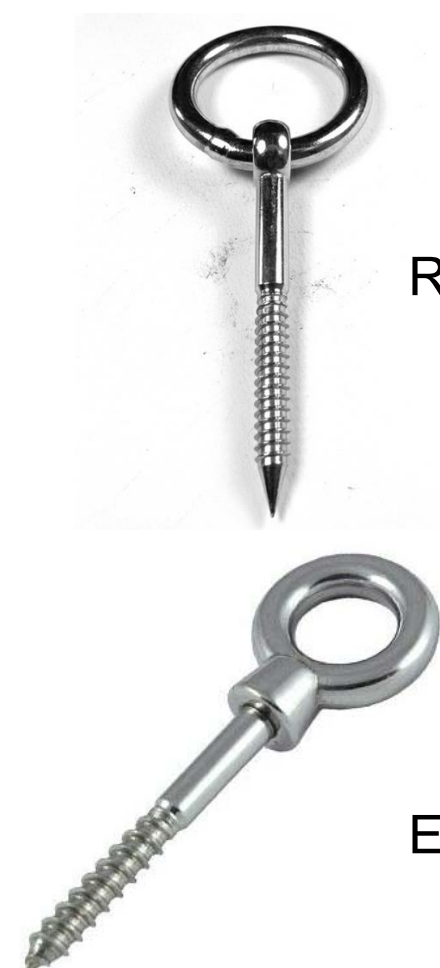
Section 6 construction alignment  
1 : 100



For the equipment installation purposes, centerlines of the side shafts must be marked along all their height. The centerlines must be marked on all four walls of each of two shafts from the 0150 elevation mark to 25000.

The centerlines on the wall along axis 1, 2, 6, 7 must represent the geodetic axis B (the axis of all the central openings). See Section 1.

On the vertical shafts walls along axis 1, 2, 6, 7 two additional axis must me marked. These are the axis on the distance of 2010 mm from the geodetic axis B (See Section 1 and Section 6)



Ringbolt to stretch a string for the precise marking the axis of a shaft

Eyebolt calculated to withstand 10000N load

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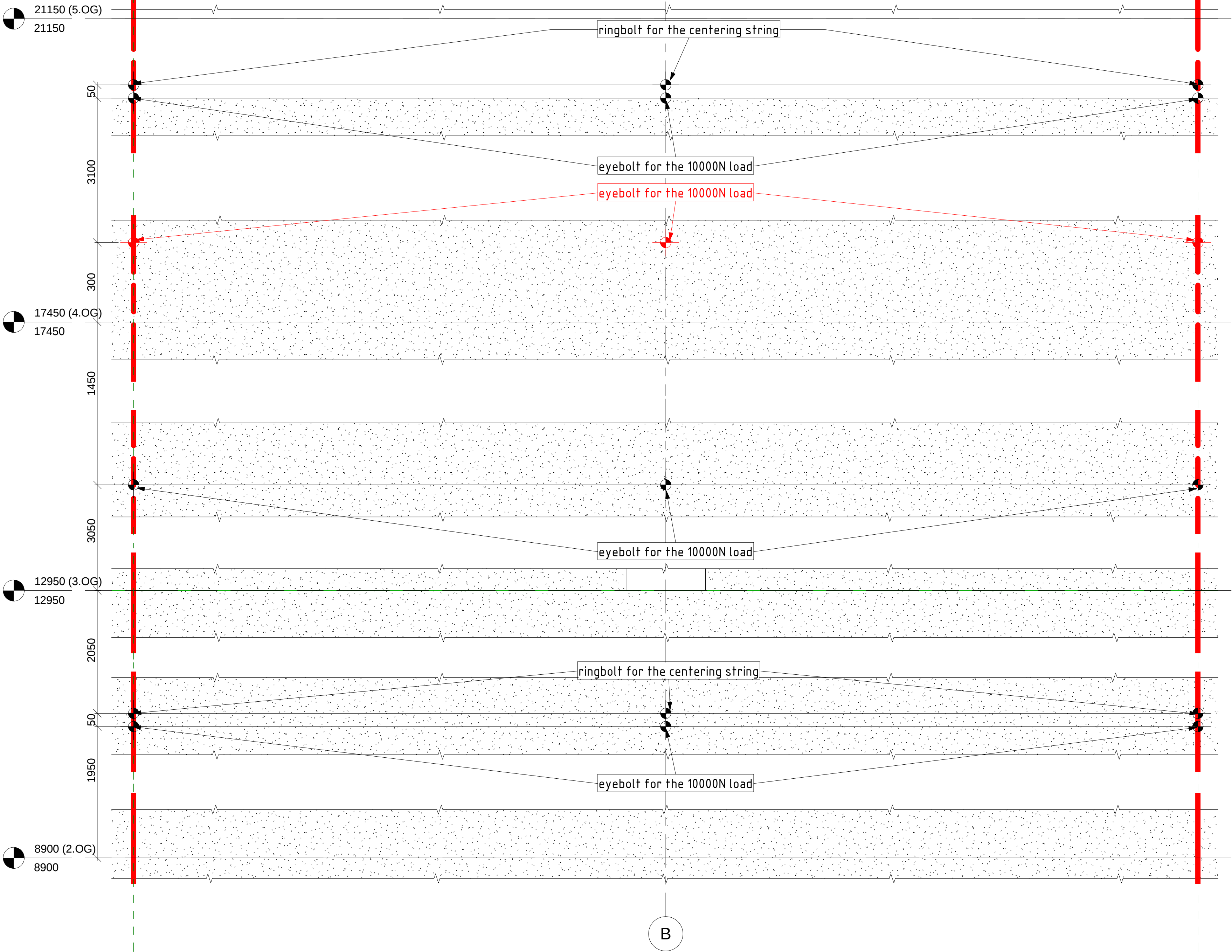
PROJECT  
**TT45V1**

TITLE  
**Construction alignment**

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| CLIENT<br><b>Alexander Parmanin</b> |                              |                        |
| DRAWN BY<br>Mikhail Berlin          | CHECKED BY<br>Ivan Savchenko | DATE<br>01/12/16       |
| SCALE (@ A1)<br>1 : 100             |                              | PROJECT NUMBER<br>0001 |
| DRAWING NUMBER<br>A05               |                              | REV                    |

Section 1 construction alignment - Callout 1

1 : 10



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| CODE   | SUITABILITY DESCRIPTION |
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PROJECT

TT45V1

TITLE

Construction alignment

CLIENT

Alexander Parmanin

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| DRAWN BY<br>Mikhail Berlin | CHECKED BY<br>Ivan Savchenko | DATE<br>01/12/16 |
| SCALE ( @A2 )<br>1 : 10    | PROJECT<br>N00013ER          | REV              |
| DRAWING NUMBER<br>A06      |                              |                  |