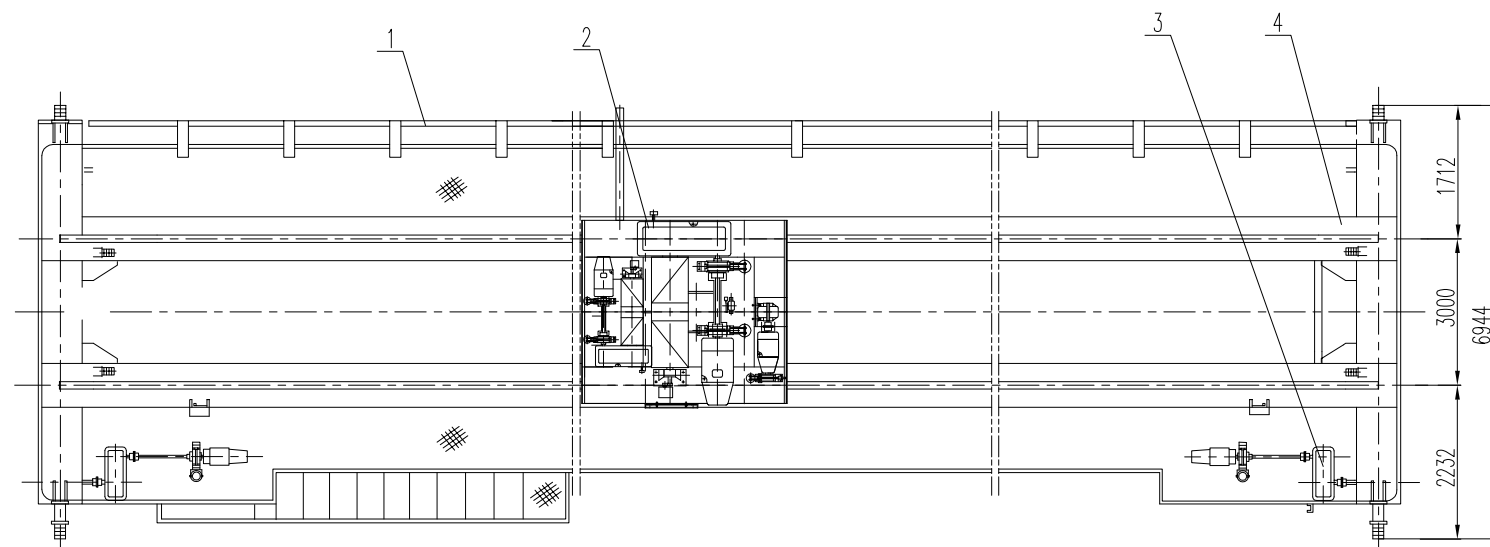
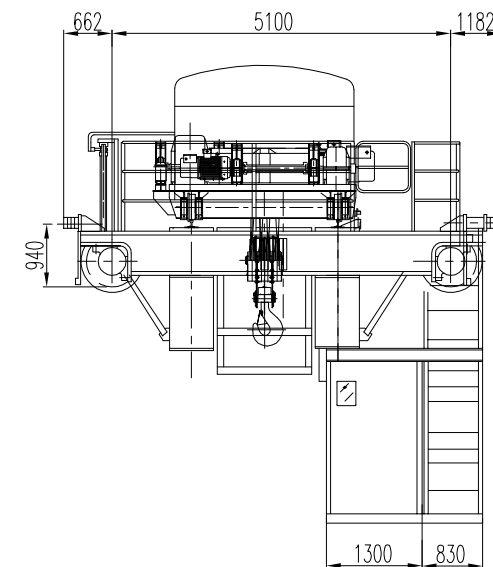
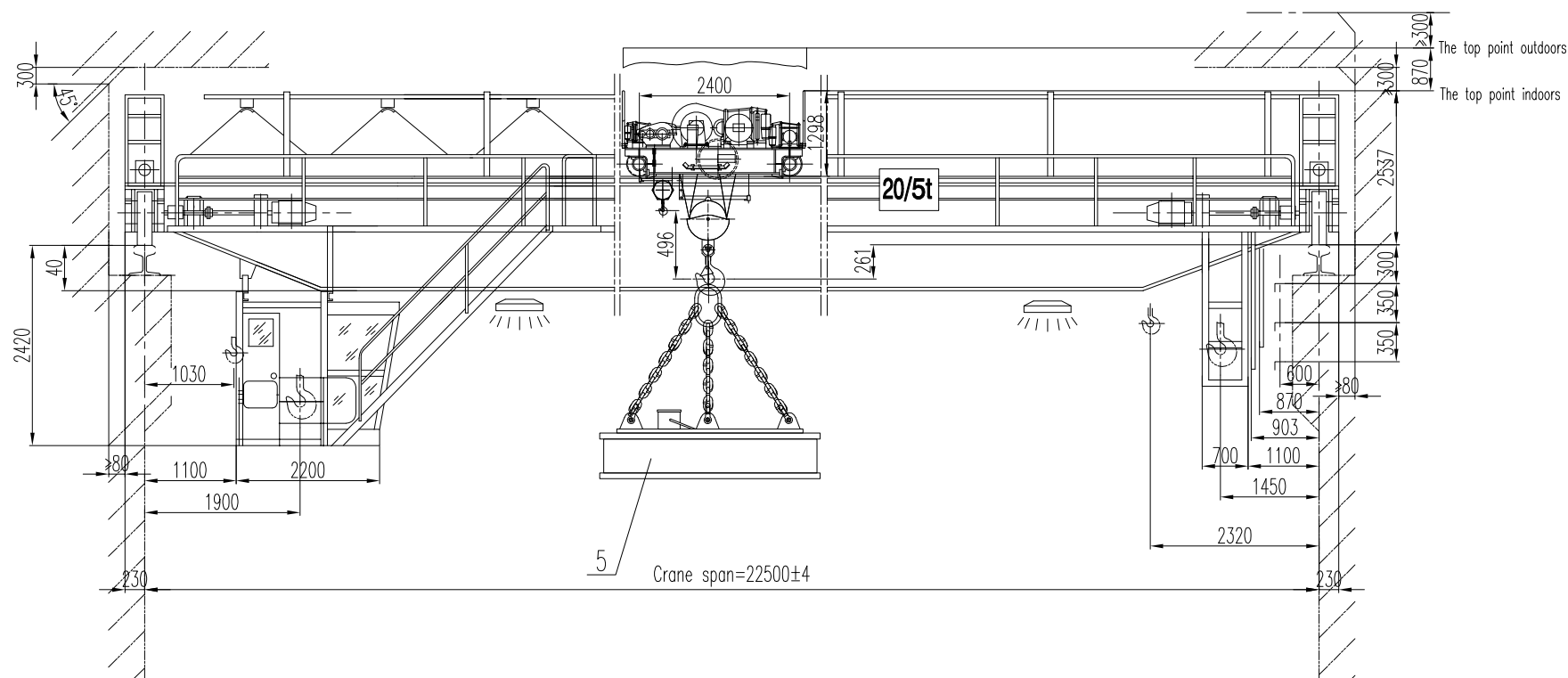




#### Technical Requirement

1. Distance from workshop backspin to crane peak should  $\geq 300\text{mm}$
2. Control mode: cabin control
3. Crane gross weight excludes "electromagnet" weight, lifting weight including "electromagnet" weight

Main technical parameters

| Mechanism name   |       | Lifting      |           | Mechanism name         |       | Traveling |                  |
|------------------|-------|--------------|-----------|------------------------|-------|-----------|------------------|
|                  |       | Main hook    | Auxi hook |                        |       | Trolley   | Crane            |
| Lifting capacity | t     | 20           | 5         | Track gauge            | m     | 3.0       | 22.5             |
| Lifting speed    | m/min | 7.2          | 12.6      | Traveling speed        | m/min | 36.5      | 64.9             |
| Lifting motor    | kW    | 26           | 13        | Traveling motor        | kW    | 4.0       | 2*8.5            |
| Working duty     |       | M5           | M5        | Working duty           |       | M5        | M5               |
| Lifting height   | m     | 20           | 24        | Max. wheel load        | kN    | 71.3      | 202.3            |
| Power supply     |       | 3P 380V 50HZ |           | Recommending rail size |       | P24       | KR70(Designated) |

|                   |                |                      |                     |           |                    |                                                     |         |
|-------------------|----------------|----------------------|---------------------|-----------|--------------------|-----------------------------------------------------|---------|
| 5                 |                | Electromagnet        | Subassembly         | 1         |                    |                                                     |         |
| 4                 |                | Bridge structure     | Subassembly         | 1         |                    |                                                     |         |
| 3                 |                | Long travel mechnism | Subassembly         | 1         |                    |                                                     |         |
| 2                 |                | Trolley              | Subassembly         | 2         |                    |                                                     |         |
| 1                 |                | Electric system      | Subassembly         | 1         |                    |                                                     |         |
| Part Number       | Drawing number | Description          | Material            | Qty       | Single Weight (kg) | Total Weight (kg)                                   | Remarks |
|                   |                |                      |                     |           |                    |                                                     |         |
|                   |                |                      |                     |           |                    |                                                     |         |
|                   |                |                      |                     |           |                    |                                                     |         |
|                   |                |                      |                     |           |                    |                                                     |         |
| Amended Mark      | Qty            | Zone                 | Amended file        | Signature | Date               | QC double girder overhead crane<br>QC20/5t-22.5m A5 |         |
| Designed by       |                |                      | Standardized by     |           |                    |                                                     |         |
| Drawn by          |                |                      | Electrical Designer |           |                    | General layout                                      |         |
| Checked by        |                |                      | Reviewed by         |           |                    |                                                     |         |
| Quality Assurance |                |                      | Approved by         |           |                    |                                                     |         |
|                   |                |                      |                     |           |                    | Sheet 1 of 1                                        |         |
|                   |                |                      |                     |           |                    | Weight                                              |         |
|                   |                |                      |                     |           |                    | Scale                                               |         |
|                   |                |                      |                     |           |                    | 31.2t                                               |         |
|                   |                |                      |                     |           |                    | Not In Scale                                        |         |
|                   |                |                      |                     |           |                    | Drawing Number: QC20/5-22.5 A5                      |         |
|                   |                |                      |                     |           |                    | Project Title:                                      |         |