

# REQUEST for PROPOSAL

CITY OF ROCK FALLS ELECTRICAL UTILITIES

*A Reliable Public Power Provider City*



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## New Intake Raker Installation



### City of Rock Falls Hydroelectric Project

1109 Industrial Park Road, Rock Falls, IL 61071-3161

PHONE: (815) 622-1145 FAX: (815) 622-1149

Document Revision

***Released for Bid – February 9, 2024, REV 0***

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- EXAMPLE Lifting Plan (reference)
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- Prevailing Wage Certificate

## City of Rock Falls Hydro

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### 1.0 Background and Objectives

The City of Rock Falls Electric Department (RFED) is seeking “lump-sum” bids to remove the existing hydro plant raker and perform the assembly, installation and assist in commissioning of a new raker. The existing raker is outdated and is at the end of its working life-cycle. A new raker has been purchased from Kuenz America Inc., (Kuenz) and is currently being designed and manufactured in Austria, Europe. The Kuenz raker will be fully assembled and pre-commissioned in their Europe manufacturing facility, tested, and then disassembled and shipped to the Rock Falls Hydro site.

Removal of the existing raker will involve the safe dismantling, rigging and lifting of the components, and safe removal and transportation from site for proper disposal. There is no “*in-the-water*” or “*underwater*” work planned. The work of dismantling and disposal includes the safe and proper handling of all fluids, unit components, and removal of the existing raker track rails. The Contractor will be responsible to transport the old raker to a local salvage company, Cimco Recycling, payment to RFED. The new raker will also be hydraulic and generally similar in size and design to the existing raker. The contractor will be responsible for all crane services and all necessary lifting and rigging associated with both the removal and new installation. The layout drawings of the new raker, an example lifting plan along with dimensions and weights are provided in the attached drawings for Contractor reference.

The RFED is planning on executing the work in Q3 of 2024, and envisions completing the removal, new raker assembly, installation and commissioning in approximately four (4) weeks or less. A Kuenz representative will be on-site for the duration of the installation and commissioning to provide technical direction. The Bidders are encouraged to visit the project site. The awarded Contractor is required to comply with applicable prevailing wage laws, rules and regulations. The submission of a proposal or bid by the Contractor in response to this request for proposal constitutes an acknowledgment of and an agreement by the Contractor to the terms contained herein. All bids received shall be signed by the Contractor, shall be in the form of the bid documents as provided for herein, and each such bid shall constitute and offer to RFED to perform the work described herein, which offer shall be irrevocable and remain open until the bid award date outlined below. Notwithstanding anything to the contrary herein, RFED reserves the right to reject any and all bids and to waive any informalities or irregularities in the bidding, as it determines in its sole discretion.

**2.0 General**

**2.1 Project Schedule, Location and Communication**

The project schedule is anticipated to be as depicted in the chart below. If Contractor cannot meet the desired schedule, please provide justification/clarification in your proposal.

**City of Rock Falls**

Schedule for Hydro Raker Removal, Installation and Commissioning

Milestone	Date (completed)	
Released for Bid	<b>February 9, 2024</b>	
Pre-bid site visits*	<b>Months of February/March 2024</b>	
Sealed Bid Deadline	<b>April 1, 2024 (3:30pm CDT)**</b>	
Bid Opening	<b>April 2, 2024 (9am CDT)</b>	
Contract Award	<b>May 8, 2024</b>	
Removal	<b>July 29-August 2, 2024</b>	<b>4 WEEKS</b>
Installation of New Raker Rails	<b>August 5-9, 2024</b>	
Raker Assembly and Installation	<b>August 12-16, 2024</b>	
Commisioning	<b>August 19-23, 2024</b>	
As-built Final Construction Report	<b>September 15, 2024</b>	

\* Pre-bid site visits are **STRONGLY** recommended

\*\* **THREE (3)** sealed hard copy bids are **MANDATORY** -HARD COPY SEALED BIDS MUST BE DELIVERED TO THE CITY OF ROCK FALLS CITY HALL- BUSINESS OFFICE  
**NO LATER THAN April 1, 2024 3:30pm CDT**

Sealed Hard Copy Bid Delivery Address;

**SEALED PROPOSAL**  
**NEW INTAKE RAKER INSTALLATION**  
**City Hall – Business Office**  
**City of Rock Falls, Illinois**  
**Attention: Dick Simon**  
**603 W. 10th Street**  
**Rock Falls, IL 61071**

Rock Falls Hydro - Physical Site Address;  
 813 East 2<sup>nd</sup> Street  
 Rock Falls, IL 61071

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### **RFED REPRESENTATIVES AND PROJECT CONTACTS**

To be copied on all project activity, including Bidder Questions

(NOTE: All Q&A will be provided to all Bidders)

(Primary) Mr. Dick Simon  
City of Rock Falls  
Electrical Director  
Phone (815) 622-1145  
[dsimon@rockfalls61071.com](mailto:dsimon@rockfalls61071.com)

(Alternate) Mr. Larry Hanrahan  
City of Rock Falls  
Operations Manager  
Phone (815) 622-1145  
[ghanrahan@rockfalls61071.com](mailto:ghanrahan@rockfalls61071.com)

(Consultant) Mr. Scott Klabunde  
Hydro Partners  
Consultant to RFED  
Phone (920) 570-2156  
[sklabunde@hydropartners.onmicrosoft.com](mailto:sklabunde@hydropartners.onmicrosoft.com)

(New Raker OEM) Mr. Franz Wechtitsch  
Kuenz America Inc.  
Team Leader Service Management  
O (984) 255 1005 - C (919)-324-4762  
[Franz.wechitsch@kuenz.com](mailto:Franz.wechitsch@kuenz.com)

## 2.2 Contractor Qualifications, Project Execution and Management

The following seven (7) items are required to be provided in the Bidder's proposal:

- A brief statement of **Contractor Qualifications** including three (3) work references and contacts for referral.
- A 3 year averaged **Experience Modification Rating** (EMR) of <1
- A description of the Contractor's current **Safety Program and Environmental Protection** measures taken to ensure compliance with local requirements for oil spills and for working above water.
- A simple **Work Staffing Plan and Project Schedule** including working hours/shifts using the work milestone dates provided as a guide. The work staffing plan shall include the number of workers proposed by the Contractor along with the craft and/or expertise to match the project needs.
- Contractor's **Formal Change Order** process.
- **Materials Plus and Labor Rates** for unforeseen refurbishment or discovery work.
- Contractor's list of **Clarifications & Exceptions**

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### **2.2.1 Daily Progress Updates**

The Contractor shall provide daily progress updates for work activities including work completed, un-anticipated issues, and any schedule changes. The Contractor shall communicate these updates daily to either the primary or alternate RFED contact.

### **2.3 Proposal Pricing and Bid Form**

The work shall be priced to reflect Contractor's firm and best lump-sum price for each item and be submitted using the following bid form, (one page)

# Bid Form

## Rock Falls Hydroelectric Plant City Of Rock Falls

### NEW INTAKE RAKER INSTALLATION

Item #	Required	Unit Price	Qty	Totals
1	Removal of Existing Rail System and Raker, including Disposal Costs	\$	1	\$
2	Installation of new Raker Rail System	\$	1	\$
3	Raker Assembly and Installation	\$	1	\$
4	Testing and Commissioning including As-Built Report	\$	1	\$
5	Mobilization(s)	\$		\$
6	Contingency	\$	%	\$
7	Contract Bond (10% of contract value)	\$		\$
	Other	\$		\$

Total Cost \$



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**2.4 Payment Schedule / Invoicing Requirements**

All invoicing shall be reviewed and signed by the Contractor prior to submittal to RFED  
Invoiced items must coincide with RFED Authorizing Purchase Order.

All invoices will be emailed to:

Sherry Wind, Dick Simon  
[swind@rockfalls61071.com](mailto:swind@rockfalls61071.com)  
[dsimon@rockfalls61071.com](mailto:dsimon@rockfalls61071.com)  
City of Rock Falls  
1109 Industrial Park Road  
Rock Falls, IL 61071  
815-622-1145

The milestone payment schedule is shown below,

**PAYMENT SCHEDULE**

City of Rock Falls - New Hydro Raker Installation

<b>Contract Value Percentage</b>	<b>Description</b>
10%	Upon Issuance of Purchase Order
40%	Removal Complete
40%	Installation Complete
10%	Final Acceptance
100%	

**2.5 Drawings and Documentation**

RFED is providing a set of digital assembly drawings of the new Kuenz raker and new rail system. Appendix A contains the drawings/specifications. The Contractor must work with Kuenz to ensure that any new/fabricated or re-worked parts provided during the course of work are captured on the OEM drawings and reflected as “as-built” markups or provided as a new drawing in CAD format.

**2.6 Services and Items Supplied by RFED**

- A digital set of the OEM Raker assembly drawings
- Confirmation that Kuenz shipments have arrived on-site (packages undamaged)
- Electrical service for tools. 60 Hertz, 240V and 120 V single phase, grounded (no loads greater than 20hp)
- Access to site during regular business hours, (note: No security fencing will need to be removed)
- All Fluids, Shell product brand preferred. (hydraulic oil specification per Kuenz)
- Bathroom facility

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### **2.7 Conditions for Turnover of Site to Contractor**

The project site will be turned over to the contractor in the following condition:

- The existing raker will be isolated hydraulically and electrically, tagged and locked out
- RFED will perform all electrical disconnections

### **2.8 Items Supplied by the Contractor**

- All tools, consumables, measuring devices, welding equipment and scaffolding (minor welding is required for raker grounding purposes, no structural welding is required).
- Laser alignment tools recommended for rail flatness, elevation and straightness.
- All components will be assembled with Contractor supplied metric tools.
- The required metric tools will include metric torque wrenches and metric drill bits
- All necessary slings and lifting hardware (must be certified for safe use for major components)
- All necessary cribbing, and tiedowns for removal and transportation of removed raker and rails
- Transportation and disposal of old raker components including fluids
- All seals, gaskets, shims, fasteners and other similar items not supplied by Kuenz
- Epoxy Chemical Anchors for raker rails (Hilti RE-500 sixty (60) cartridges per Kuenz specification)
- Concrete deck rebar mapping is highly recommended. Contractor is responsible for locating new rail anchors, avoiding existing rebar.

### **2.9 Safety / Permitting**

The Contractor shall comply with all local permitting, rules, laws and regulations. The Contractor shall follow RFED protocols for LOTO and walkdowns for all safety clearances, prior to proceeding with any work. The Contractor shall be responsible for project safety and shall hold daily "tailgate" pre-work safety meetings.

Experience Modification Rating (EMR)

- Preferred Contractors will have an EMR < 1

### **2.10 Tools, Cranes, Material Handling Equipment and On-Site Storage of Parts**

All tools will be the responsibility of the Contractor unless otherwise stated. The Contractor shall provide qualified crane operators and riggers as necessary. All mobile cranes will be the sole responsibility of the Contractor. Raker component storage and disposal of the old raker will be the sole responsibility of the Contractor.

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### **2.11 Site Access**

RFED is not aware of any access concerns or restrictions that would limit mobile crane functions or equipment removal from the project site and equipment staging. Contractor to confirm their own understanding of site conditions from pre-bid site visit. RFED does not plan to remove any existing security fencing.

### **2.12 Quality Control / Quality Assurance**

The Contractor shall follow the Quality Control (QA/QC) program provided by Kuenz. The Kuenz QA/QC program will cover all work, all technical aspects, and will be compliant and consistent with the requirements set forth in this and the Kuenz specifications. Contractor shall at all times utilize industry best practice for all related procedures for erection, construction, and assembly work. Additionally, RFED in conjunction with Kuenz will need to approve and accept all work items upon Contractor completion. Please see section **4.0 Items for items needing RFED approval.**

### **2.13 Workmanship, Codes, Standards and Tolerances**

All work shall follow best industry practice for erection. All work will follow ISO Quality Assurance standards that equal or exceed Keunz OEM standard specifications, unless otherwise stated. Additionally, all equipment, materials and work provided in accordance with the OEM specifications and other contract documents shall comply with the intent of the latest applicable Industry codes, standards, specifications, regulations, procedures and tests.

## **3.0 Scope of Work**

The Contractor will be required to provide the following scope.

### **3.1 Removal of Existing Raker**

The Contractor will be required to remove the existing raker and rail system. Both are being replaced. It is the Contractor's responsibility to ensure that all components including the rail system, rail system anchors, and raker are safely disassembled and removed. This includes properly grouting and sealing any open holes from the old raker system. The Contractor is responsible for transporting the old raker to the local salvage recycling facility, Cimco.

### **3.2 New Raker Design, Manufacturing, and Delivery to Site**

It is the responsibility of the raker OEM (Kuenz) to design, manufacture and deliver the raker, rail system, and all raker components to the hydro site. This includes all fasteners, hydraulic and electrical fit-ups, unless otherwise specifically stated. It is the responsibility of Kuenz to unpack all the components and match the Packing Lists and/or Bills Of Material. RFED will confirm the packages have arrived on-site and have not been damaged in shipment by a visual observation of the shipping container.

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### **3.3 Installation of New Raker Rail System**

The Contractor shall install the new raker rail system per the Kuenz specifications. The Contractor will be responsible for supplying the rail and rail anchor grout. The final alignment of the new rail system will need to be reviewed and approved by RFED.

### **3.4 New Raker Component Assembly and Installation**

Contractor shall completely assemble all hydraulic, electrical and mechanical systems of the new raker per the Kuenz specifications and under the on-site oversight of the Kuenz representative. Contractor in consultation with Kuenz, will determine the lifting sequence and assembly sequence for installation. For all procedures, practices, methods and techniques related to the reassembly work, Contractor shall follow the equipment OEM specifications where applicable, and industry best practices, standards. No work shall be performed without the direct supervision and approval of Kuenz.

### **3.4 Testing and Commissioning**

The raker commissioning will take place under the direction of Kuenz and will be largely accomplished remotely. The Contractor will provide the following commissioning assistance:

- Confirm proper operation of all unit components, lubrications systems, switches, and limits per Kuenz specifications.
- Confirm oil level readings, sight gages, panel readouts and alarms for functionality.
- Assist/Observe unit at RFED determined hold/check/trip points for
- Review project completeness and satisfaction with Kuenz and RFED for final acceptance.

### **3.5 Final As-Built Report**

A final as-built detailed written report shall include but not be limited to:

- Written report in electronic format with labeled photographs describing what work was accomplished.
- Additional work accomplished but not in original scope.
- Additional work being recommended but not completed.
- Marked up red-line Adobe and/or new CAD drawings depicting as-built conditions.
- Final acceptance testing and commissioning report signed by RFED, Kuenz and Contractor

## **4.0 Items for RFED Approval**

RFED will require approval prior to proceeding for the following items,

Item	Description	RFED Approval
<b>Raker Supply</b>	Confirmation of all Raker Components on-site (Kuenz is responsible to un-package all components and confirm Packing List(s))	
<b>Intake Deck Preparation</b>	Approval to proceed with new rail installation after completion of removal of existing raker and rails and any surface preparation, including grout set.	
<b>Rail System Straightness and Flatness</b>	Approval of installation of the new rail system. Must meet flatness and straightness per Kuenz specification.	
<b>Testing and Commissioning</b>	RFED acceptance of Testing and Commissioning prior to demob	

**5.0 Contract Bond / Insurance / Warranty and Unit Performance Guarantee**

**5.1 Contractor Bond / Insurance**

Policies Required. At all times during the term of this Agreement, Contractor shall keep in force and effect the Bonding and Insurance requirements as described below:

Bonding. The contractor shall provide security in the form of a payment and performance bond which specifically provides that the Contractor must pay all sums of money due or to become due for any labor in accordance with the Illinois Prevailing Wage Act or a certified check in the amount of 10% of contract value.

Insurance. The contractor shall provide insurance that satisfies, at a minimum, RFED requirements. Such insurance policies as are required hereunder shall name the City of Rock Falls and its officers, agents and employees as additional insureds. (please refer to the attached insurance requirements)

Certificate of Insurance; Other Requirements.

Prior to the execution of this Agreement and prior to each insurance policy expiration date during the term of this Agreement, Contractor will furnish RFED with Certificate of Insurance and upon request, certified copies of the required insurance policies. The Certificates shall reference this Agreement and workers compensation and property insurance waivers of subrogation as required by this Agreement. RFED shall be given thirty (30) days advance notice of cancellation or nonrenewal of insurance during the term of this Agreement.

**5.2 Warranty**

Kuenz will be responsible for the raker warranty.

**5.3 Raker Performance Guarantee**

Kuenz will be responsible for all raker performance guarantees.

**6.0 Bidder Checklist of Required Items**

The follow list is a summary of the required bid submittal documents,

**Bidders Check list of Required Items**

Item No.	Description	Y	N
1	Contractor Qualification Statement, References		
2	Experience Modification Ratio (EMR)		
3	Company Safety Program / Environmental Protection		
4	Company QC / QA Program		
5	Staffing / Project Schedule		
6	Company Change Order Process		
7	Company Rate Sheet		
8	Project BID FORM		
9	Certificate of Compliance Statement		
10	Prevailing Wage Certificate		
11	Contractor list of Exceptions and Clarifications (Commercial and Technical)		

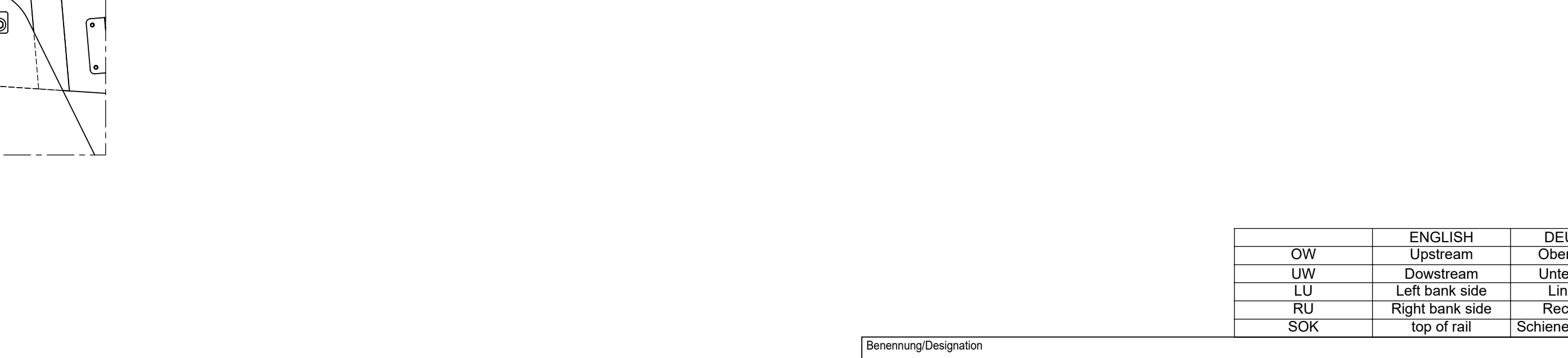
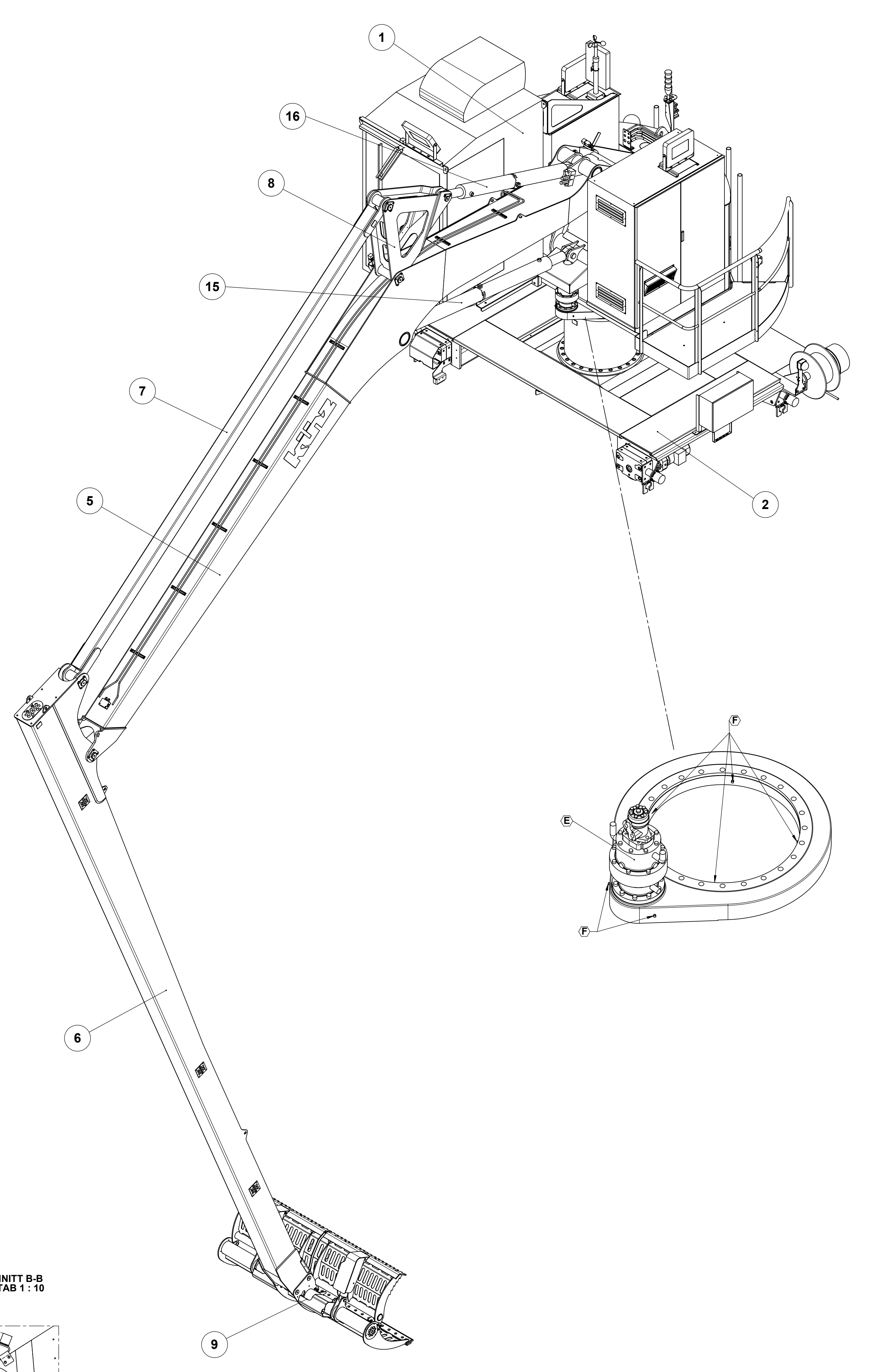
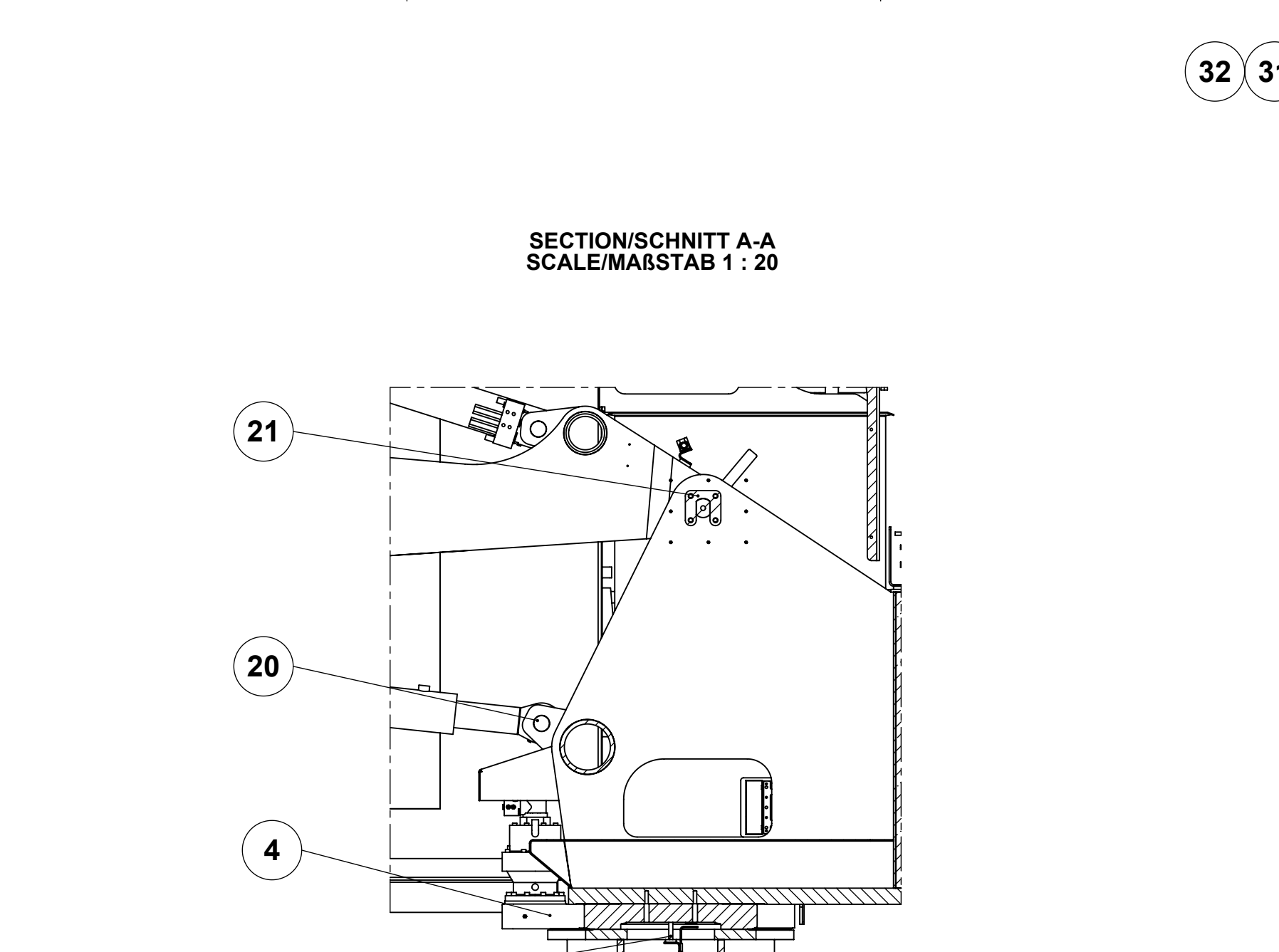
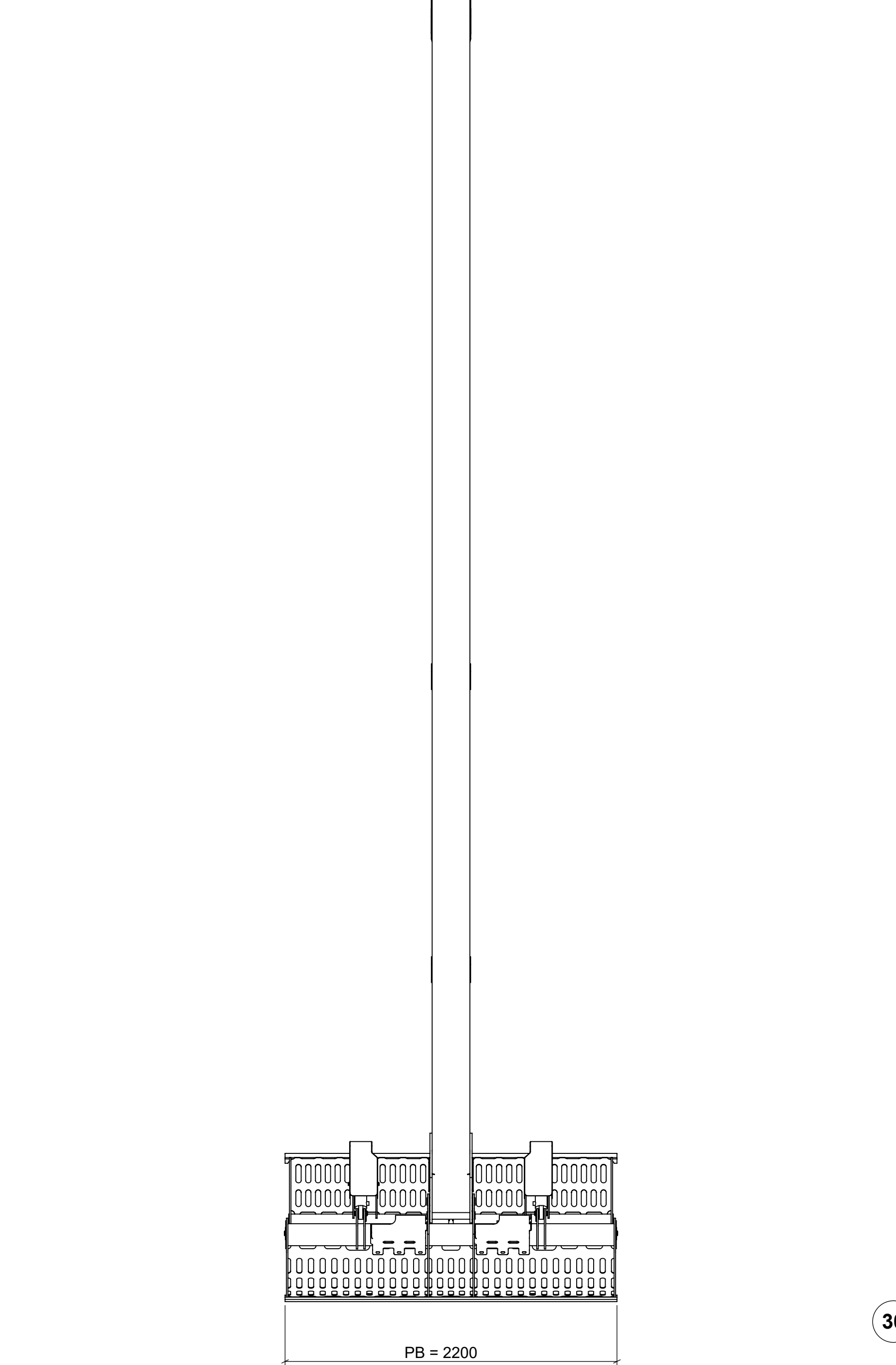
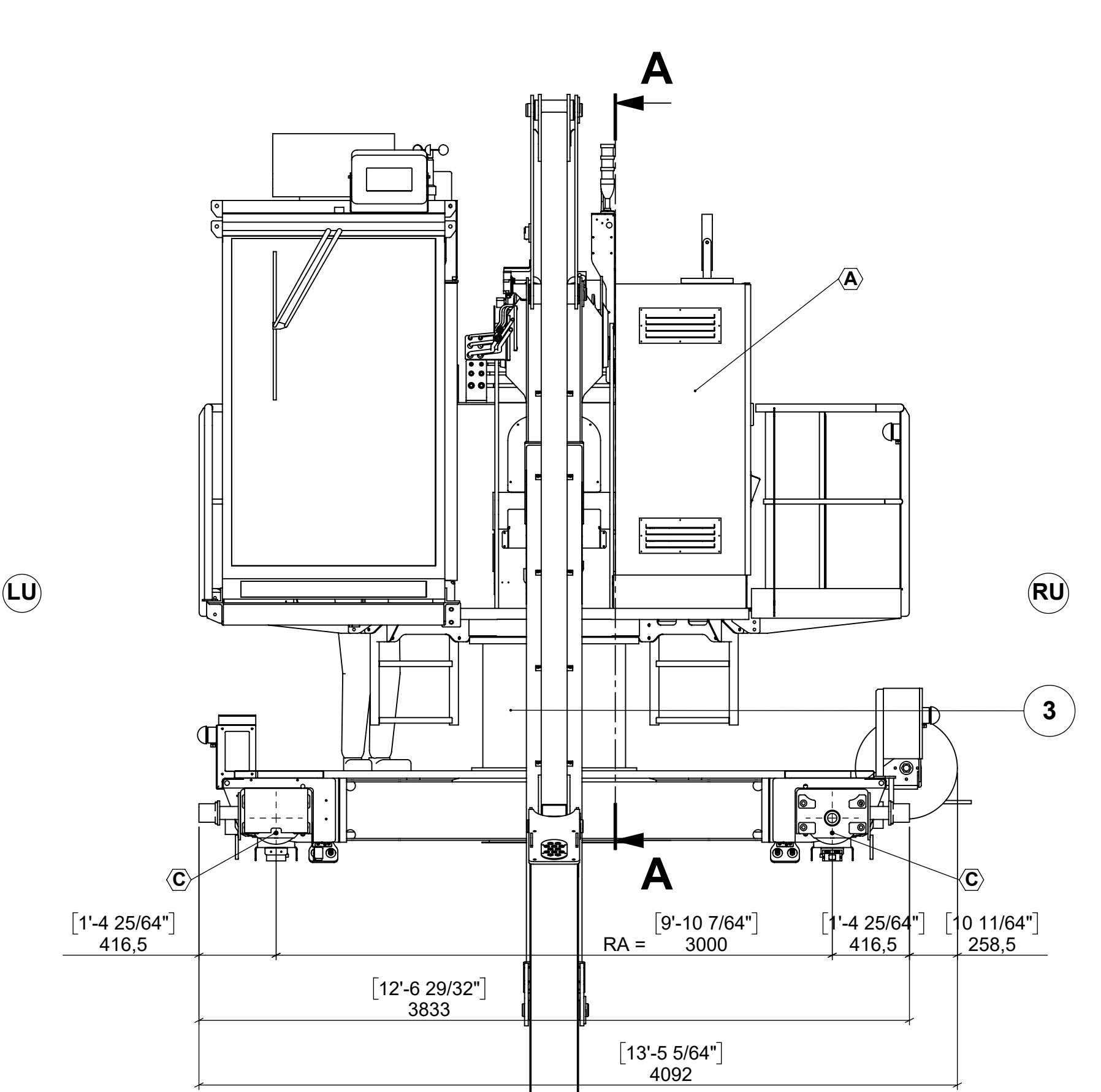
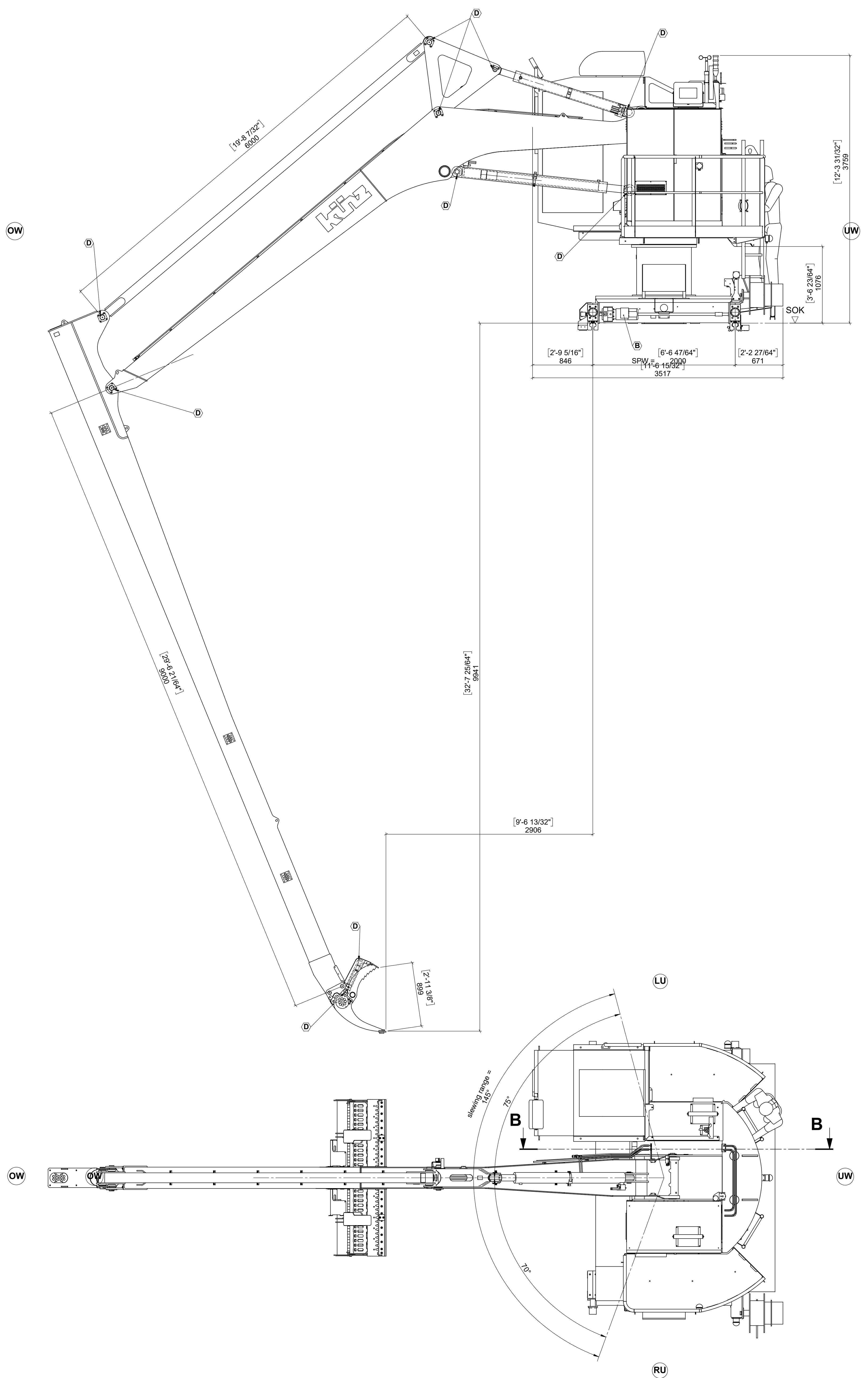
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**Appendix**

- Raker Drawings (TRCM Assy)
- Raker Drawings (BUILDING Assy)
- EXAMPLE Lifting Plan (reference)
- Bill of Material (BOM) Quality Assurance (QCIP)
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SCHMIERMITTELLISTE / LUBRICATE LIST			
ANZAHL number	SCHMIERSTELLE lubrication point	SCHMIERPERIODE lubrication cycle	SCHMIERMITTEL lubricant
A 1	Hydrauliköl hydraulic unit	jährlich every year	PANOLIN HLP SYNTH 32
B 2	Fahrwerksgetriebe travel gear unit	jährlich every year	MOBIL SHC 630
C 8	Schmierriepel Radblock lubrication point wheels	jährlich every year	Mobilgrease XHP 462
D 15	Lagerstelle bearing	Lebensdauer geschmiert Lifetime lubricated	-
E 1	Drehwerksgetriebe slewing gear	jährlich every year	MOBIL SHC 629
F 6	Schmierriepel Schwenkantrieb lubrication point slewing gear	vierteljährlich quarterly	Molykote 165 LT

Benennung/Designation  
**TRCM ROCK FALLS 23220-20**  
 TRCM-H200 CLEANING WIDTH = 2200 (7,22)

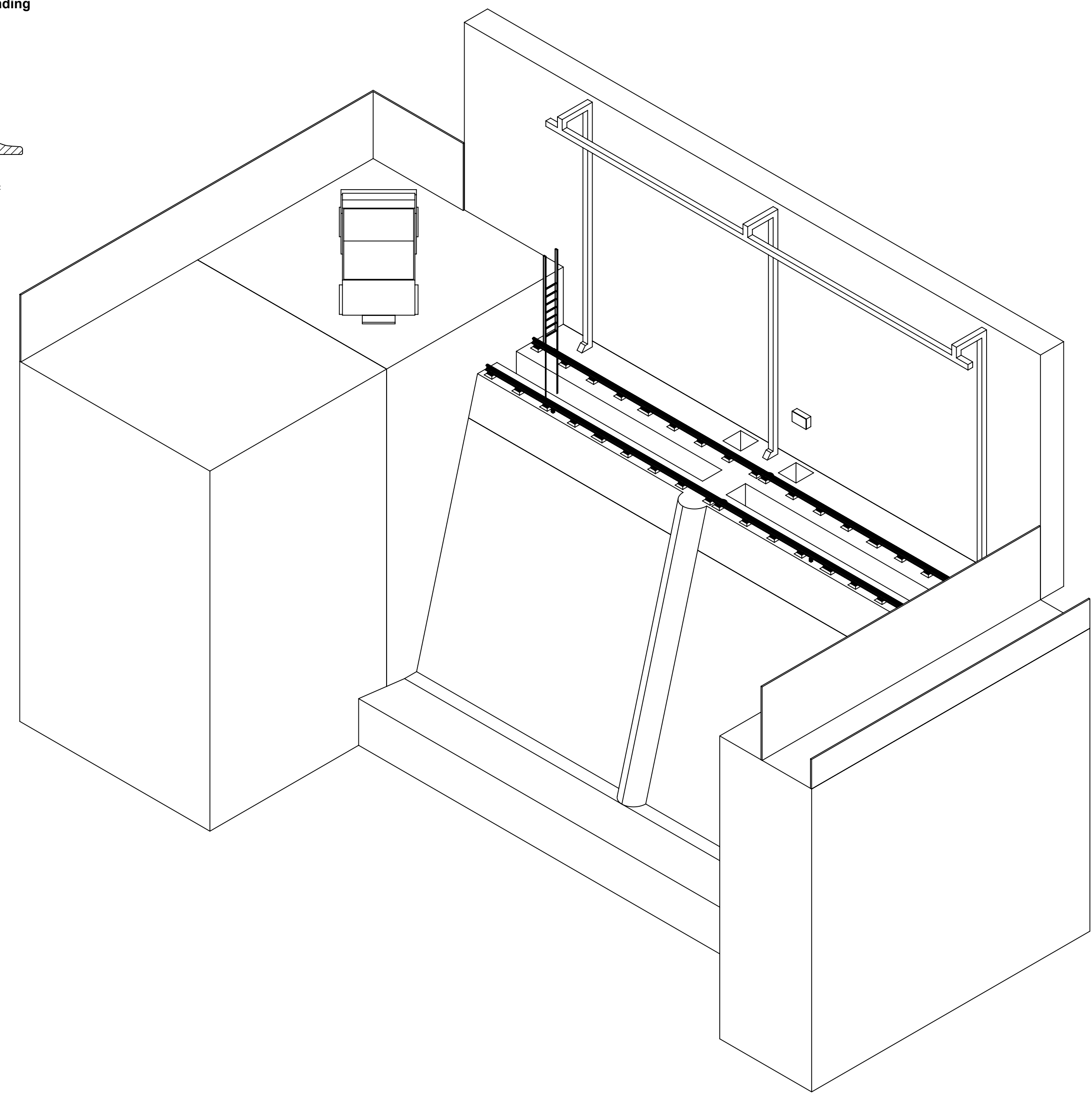
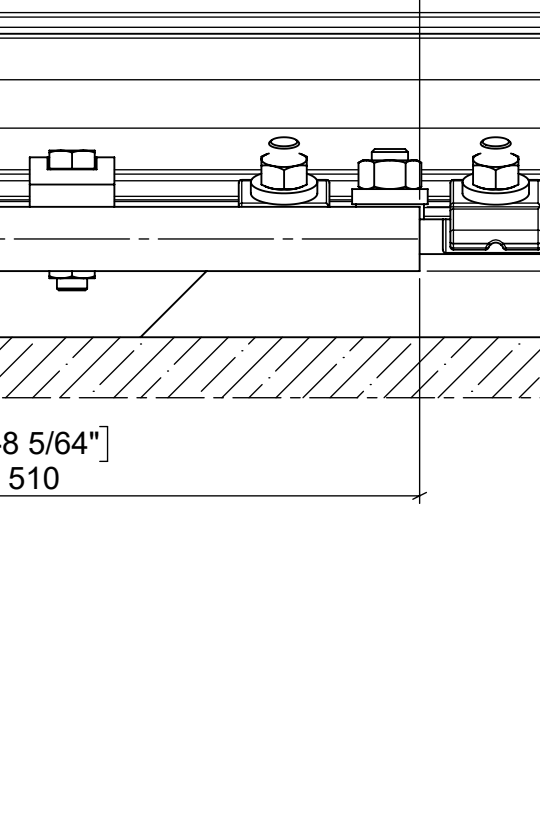
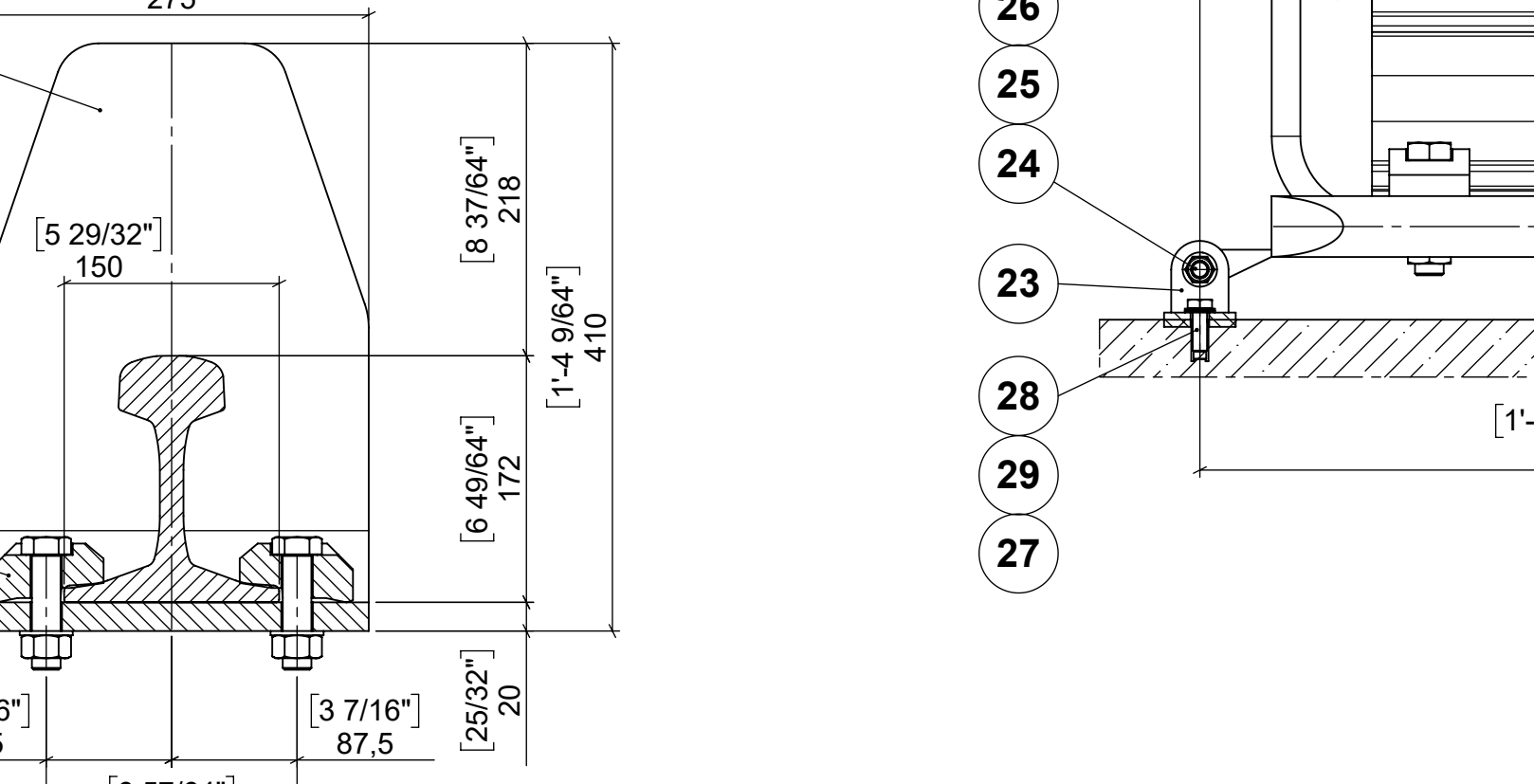
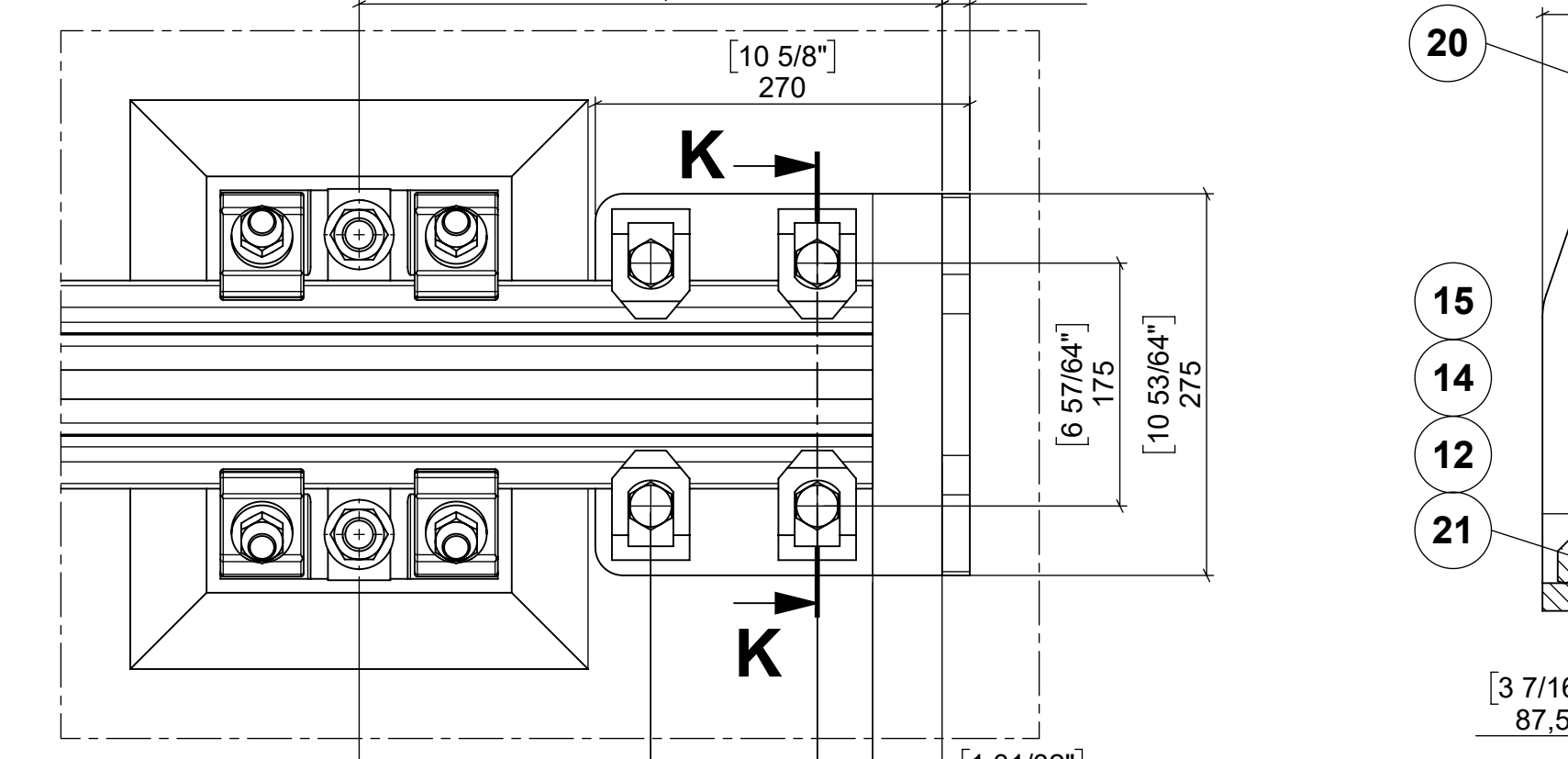
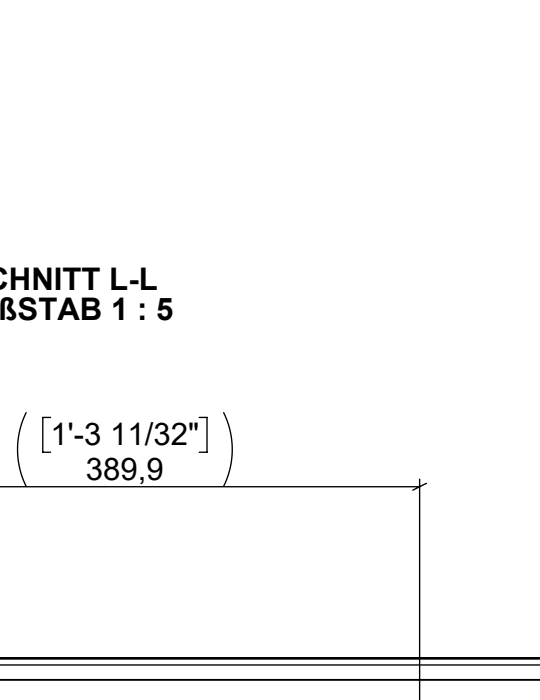
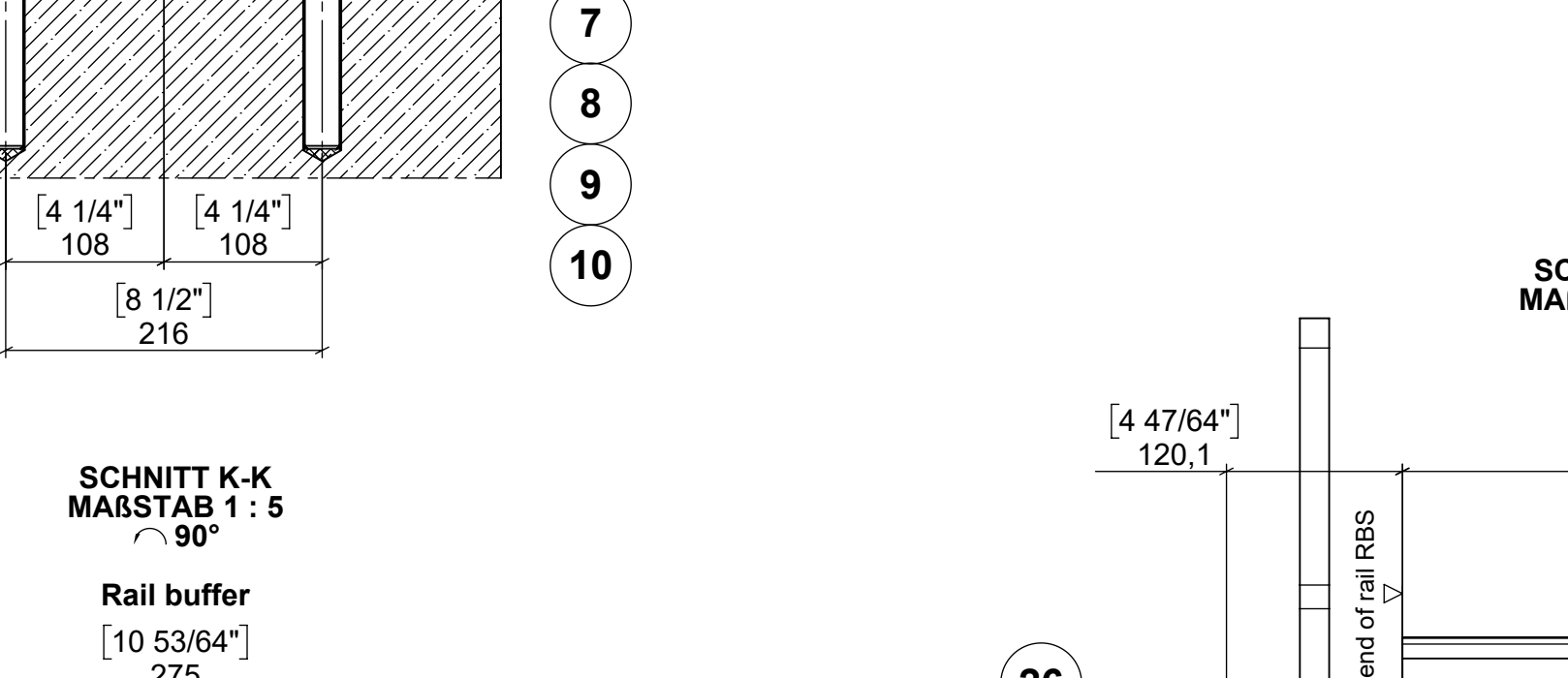
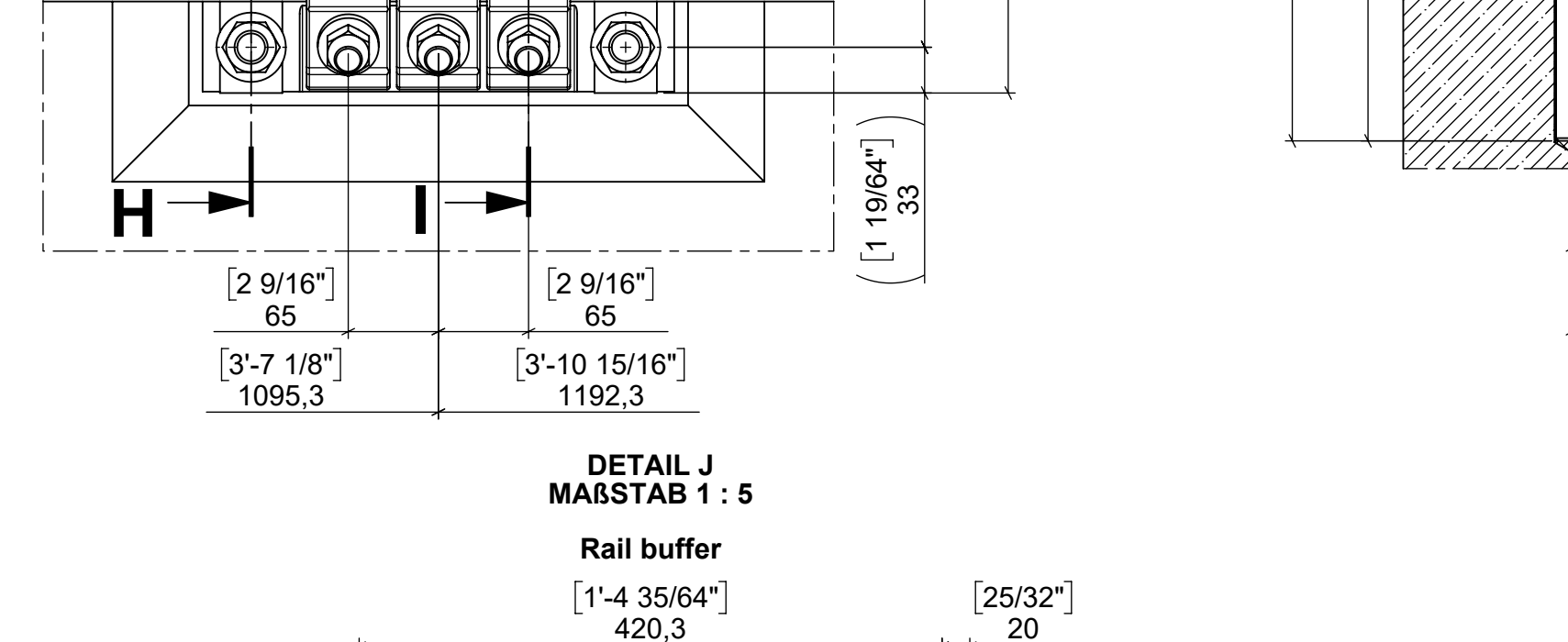
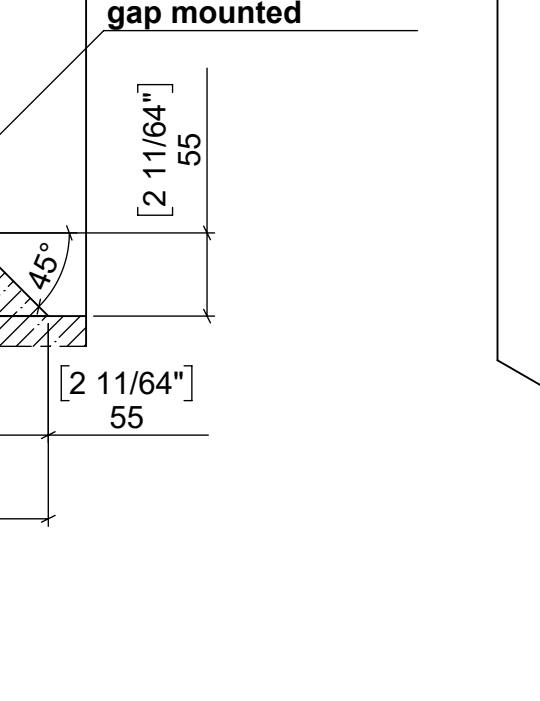
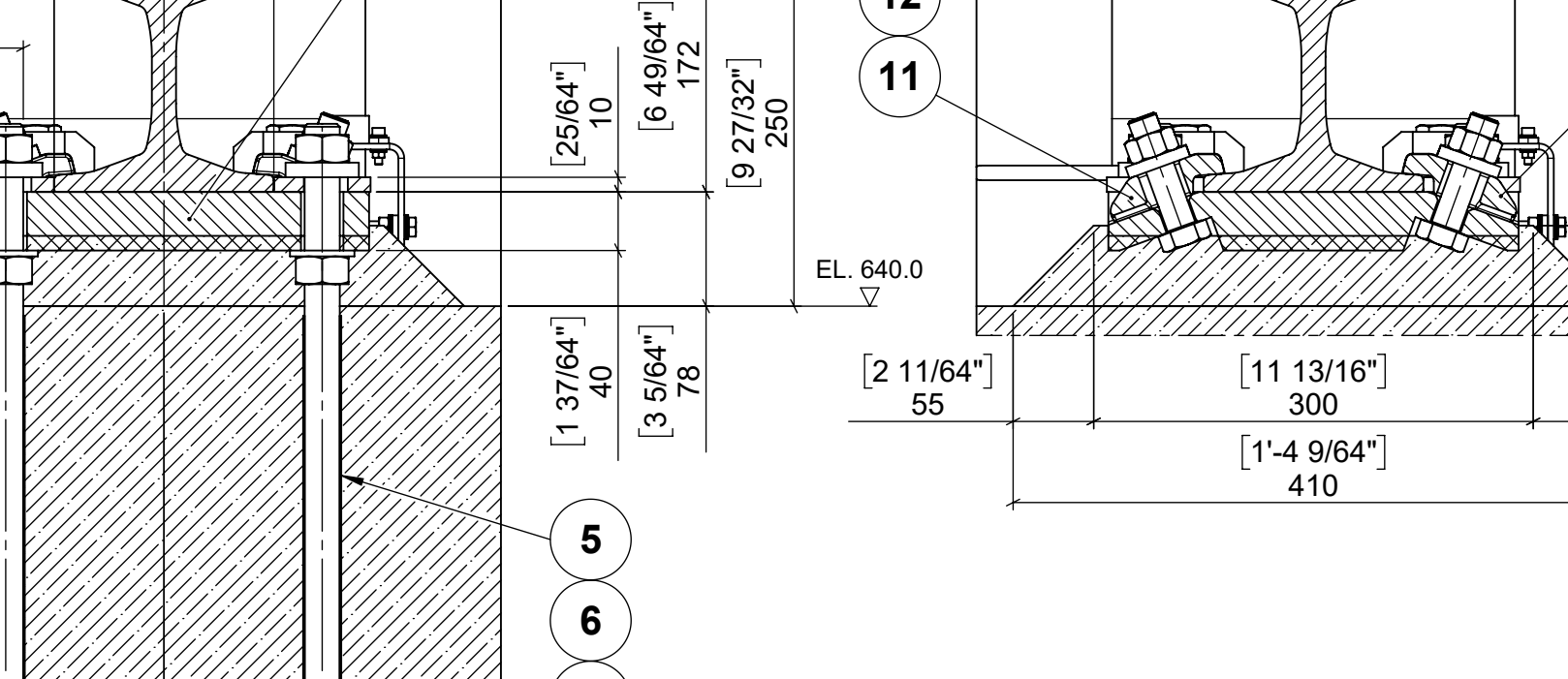
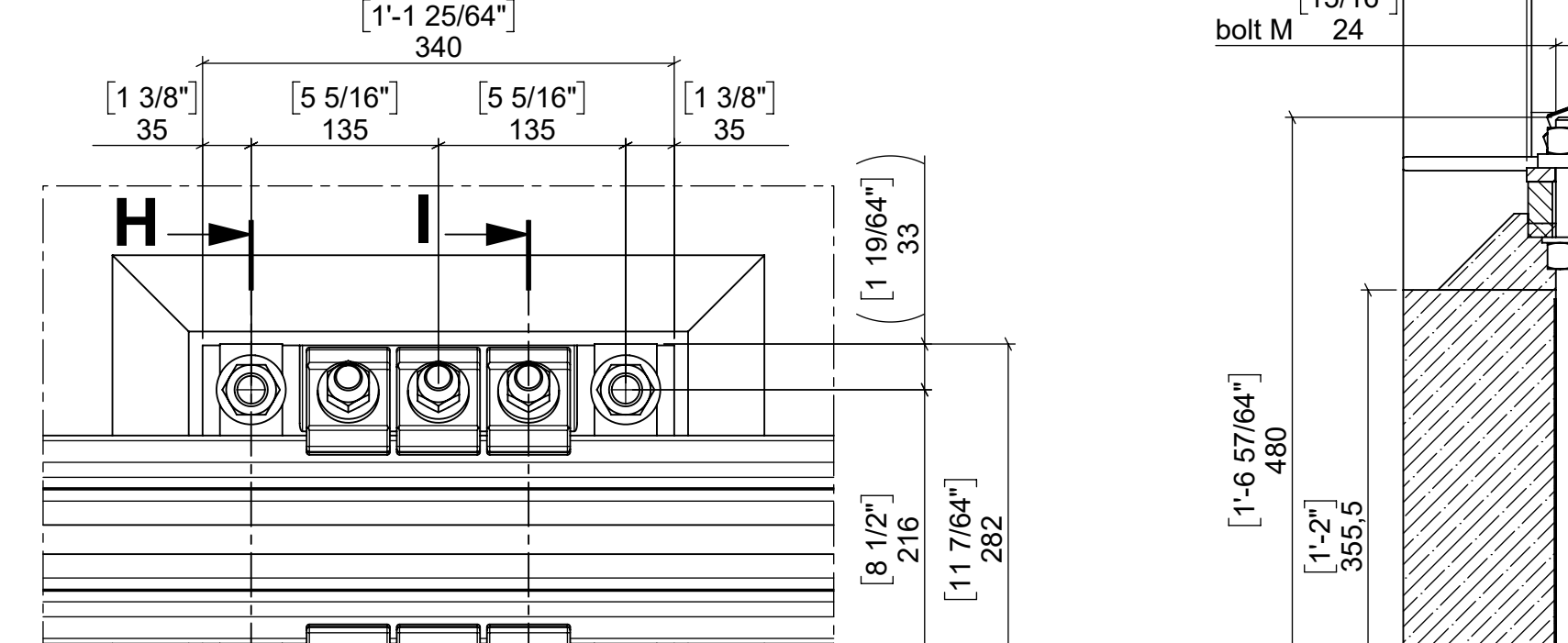
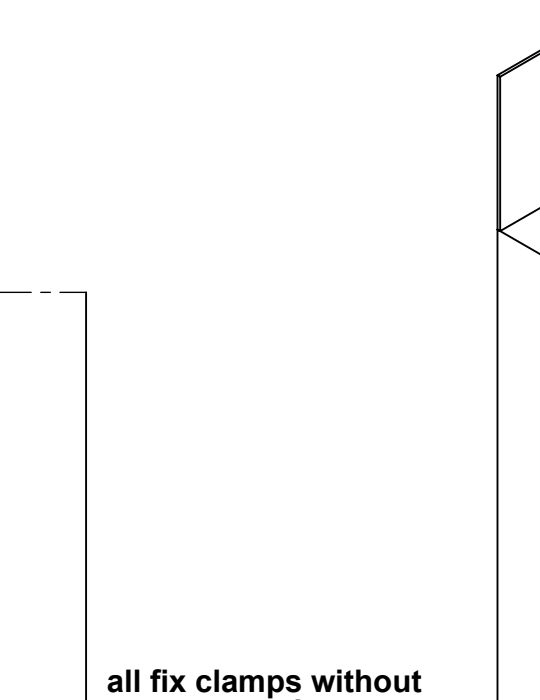
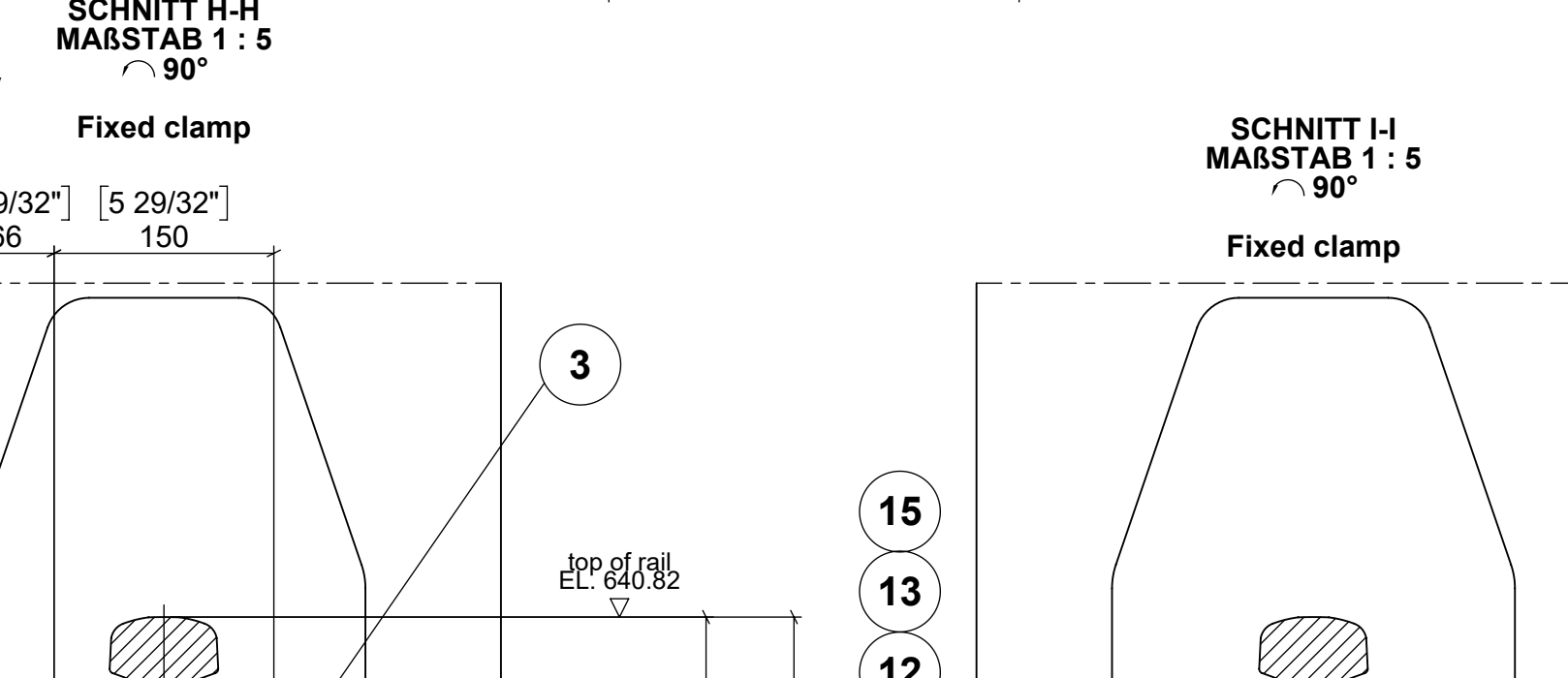
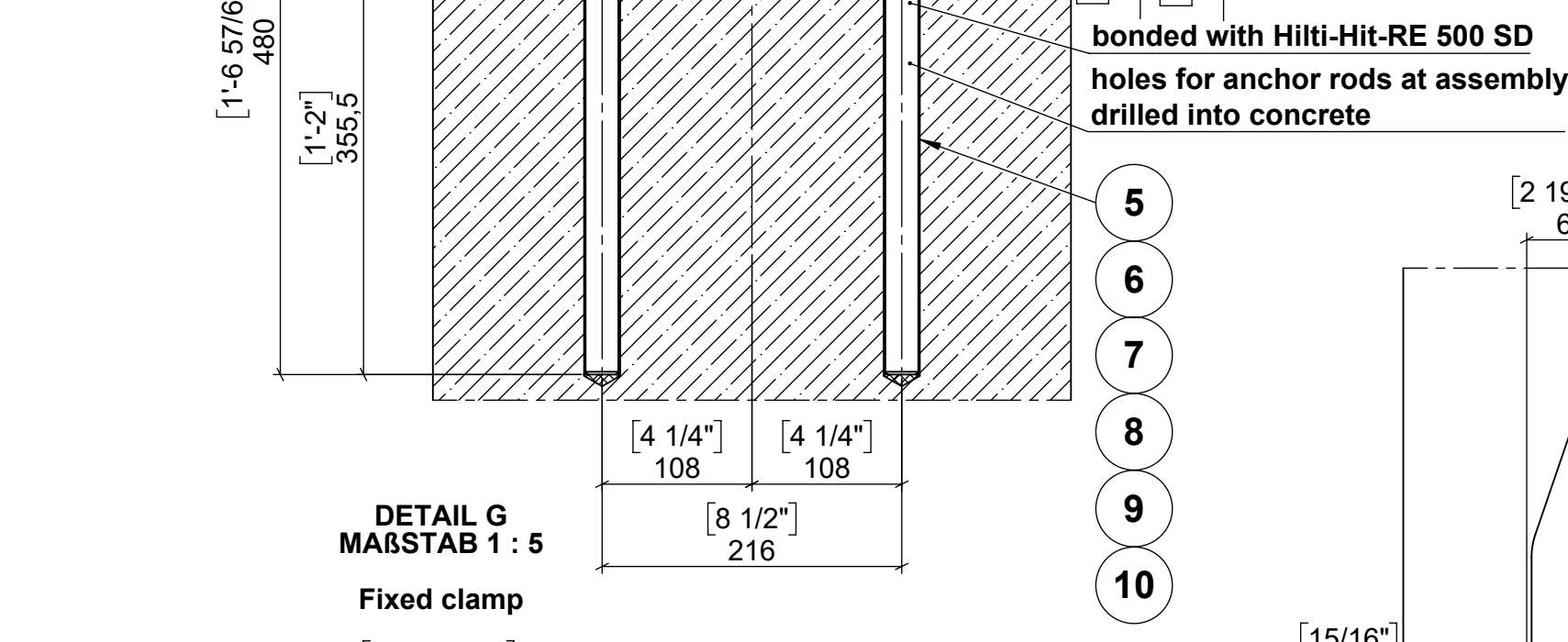
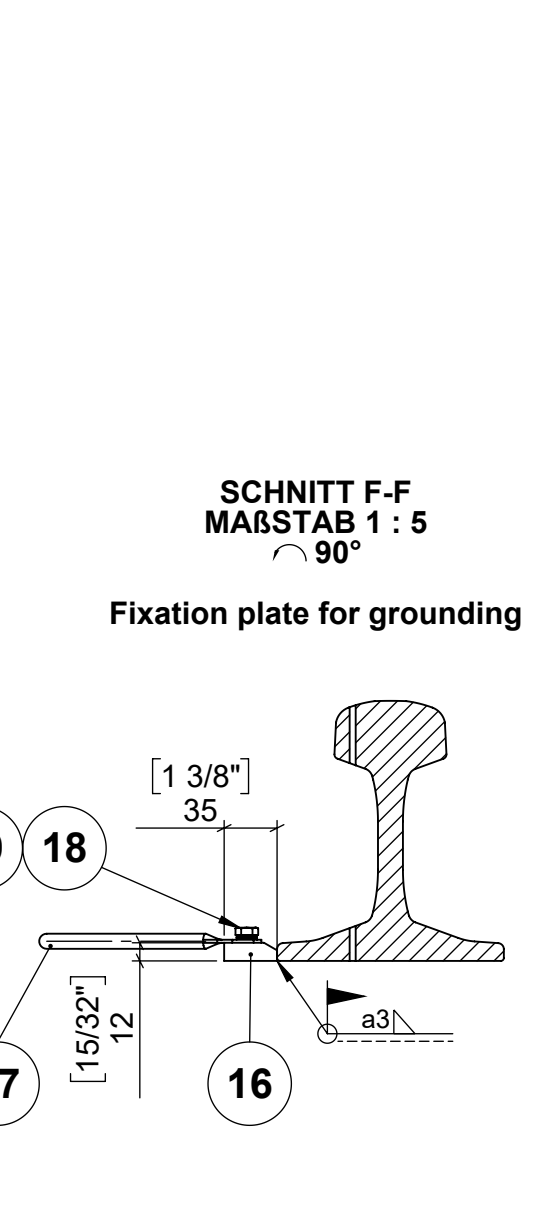
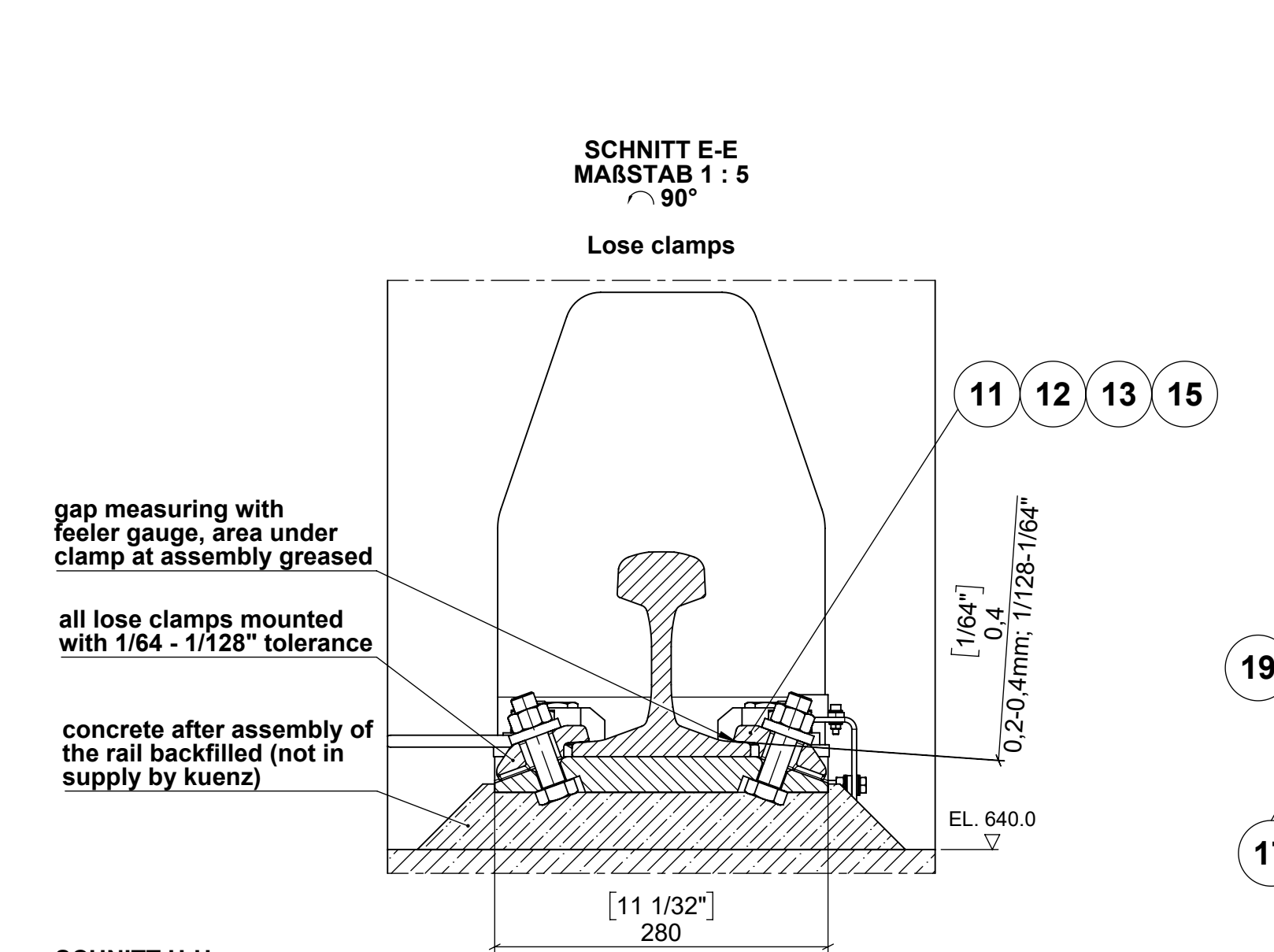
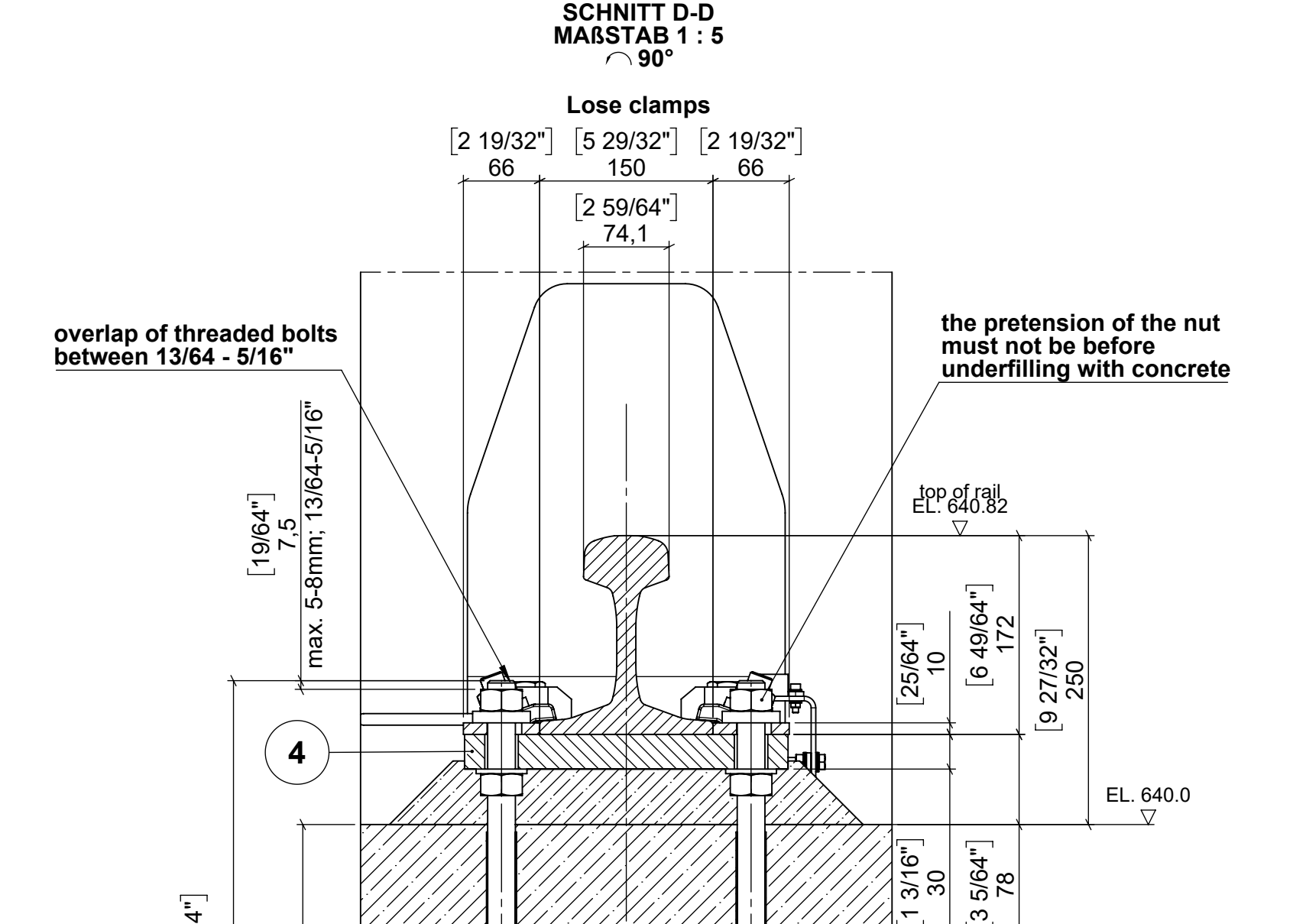
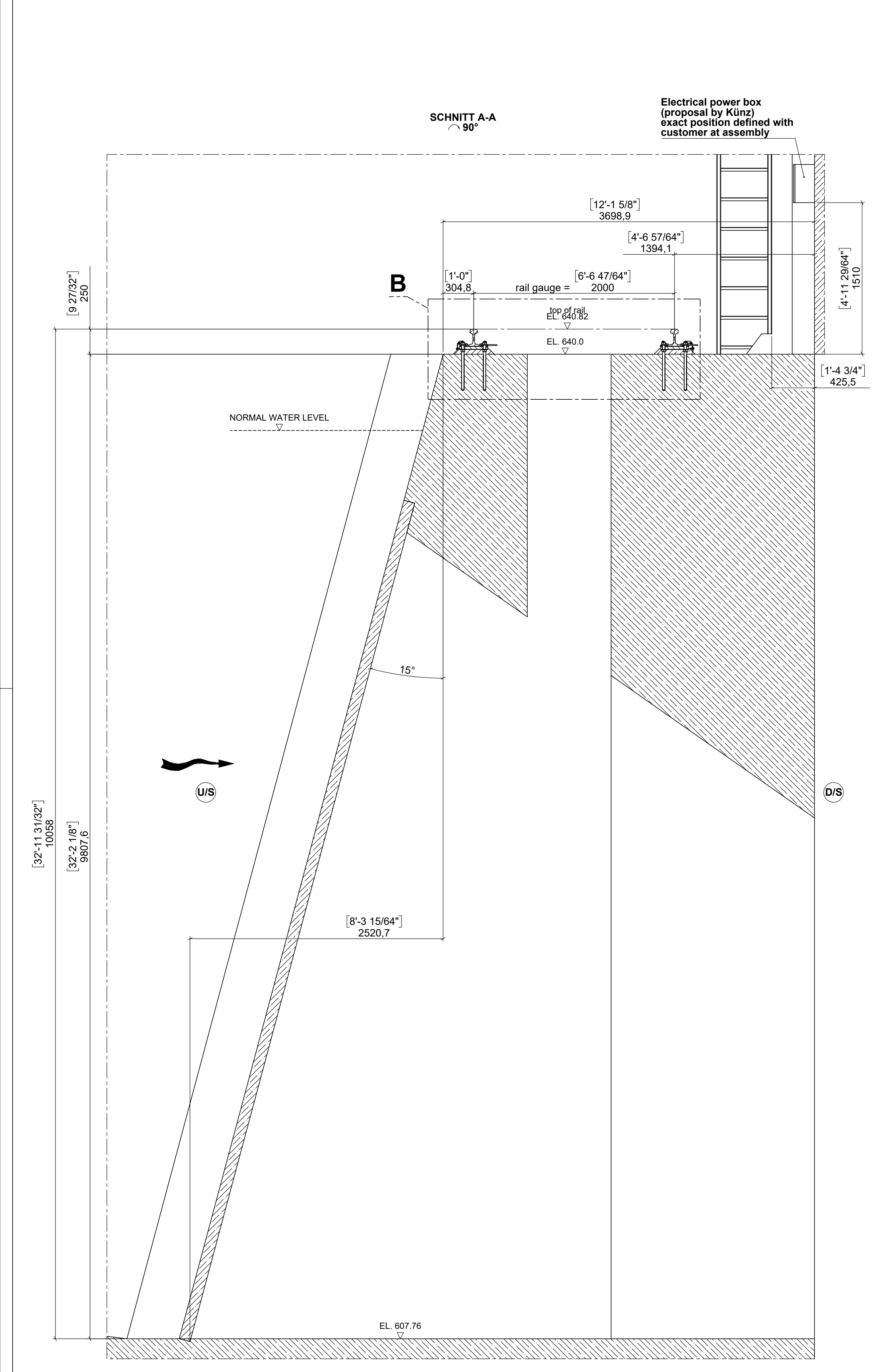
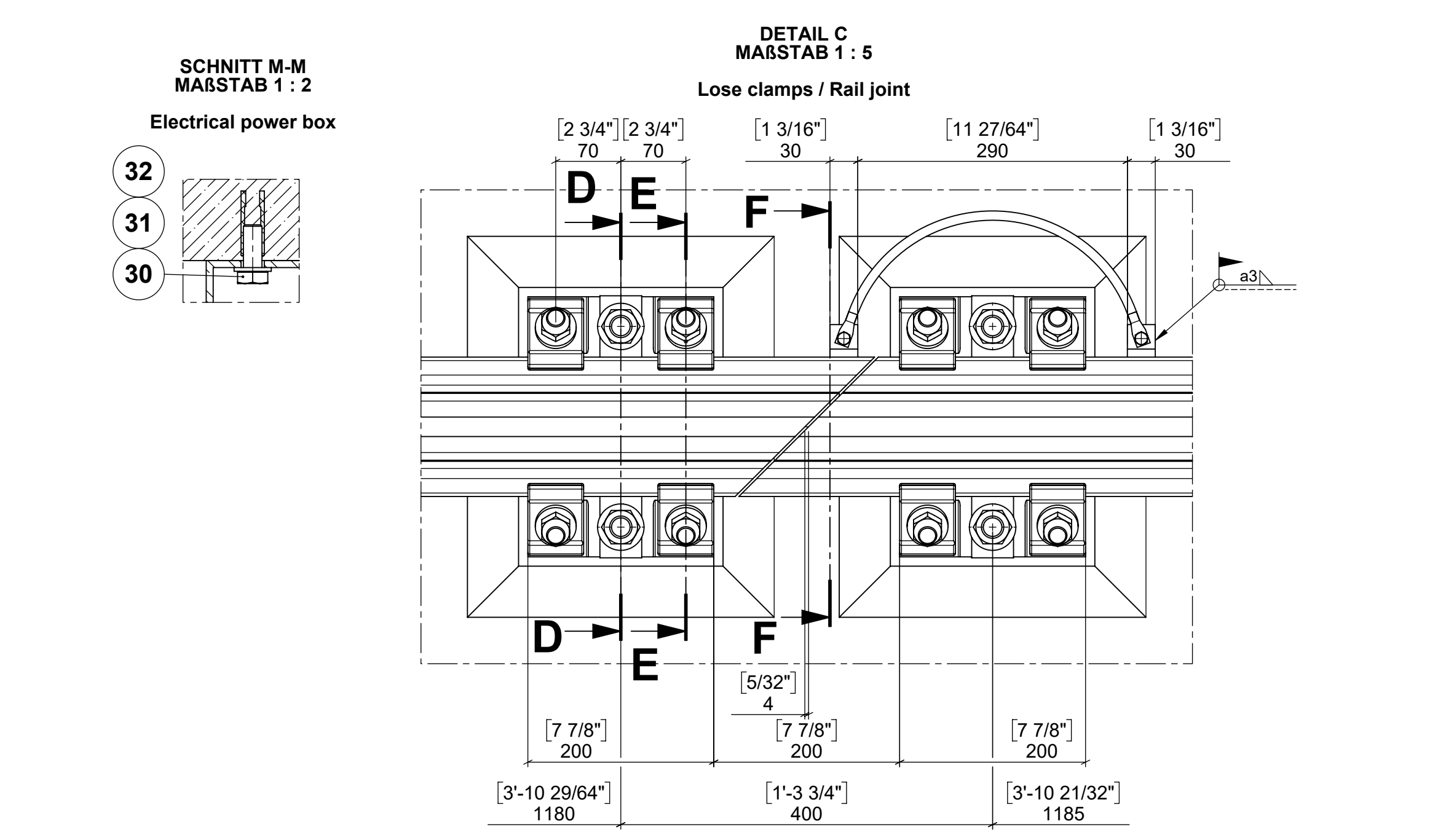
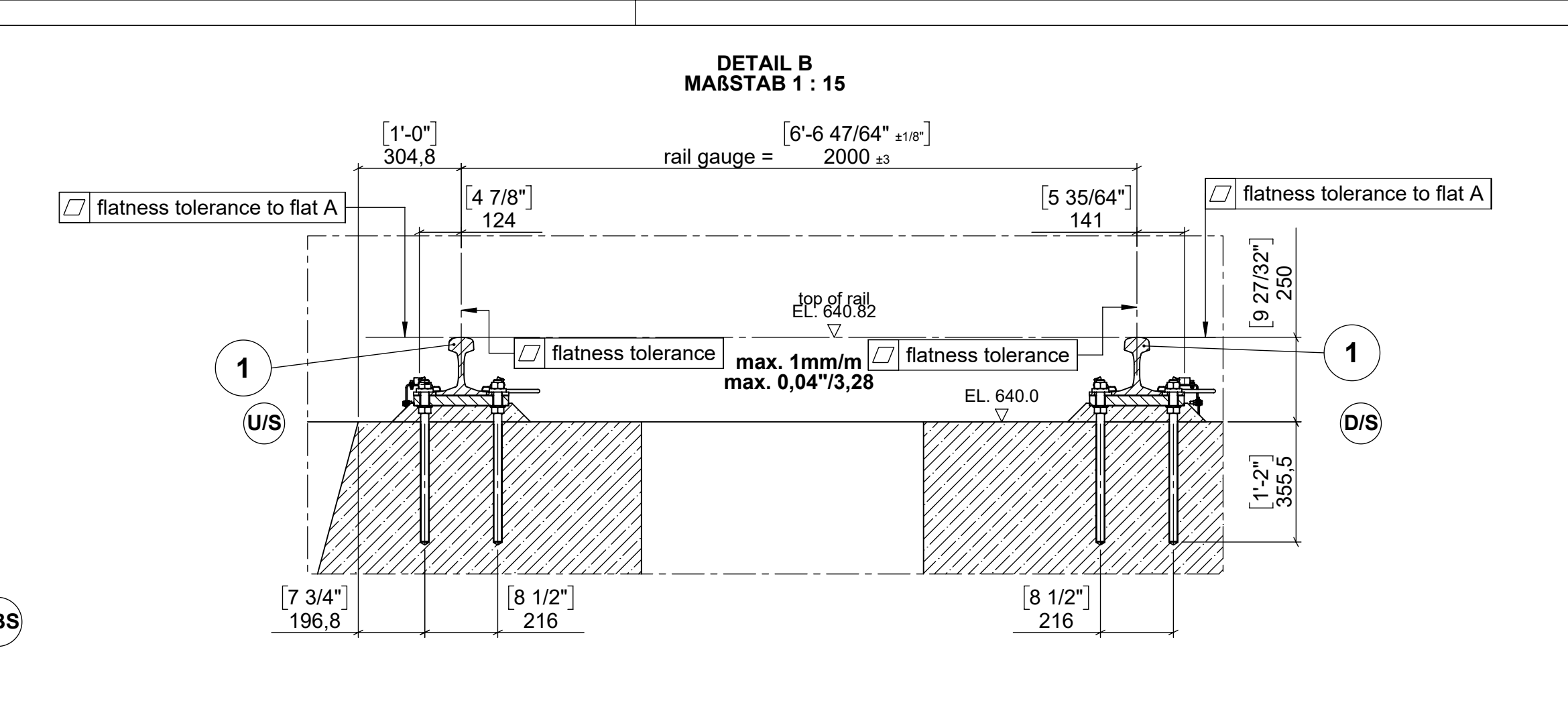
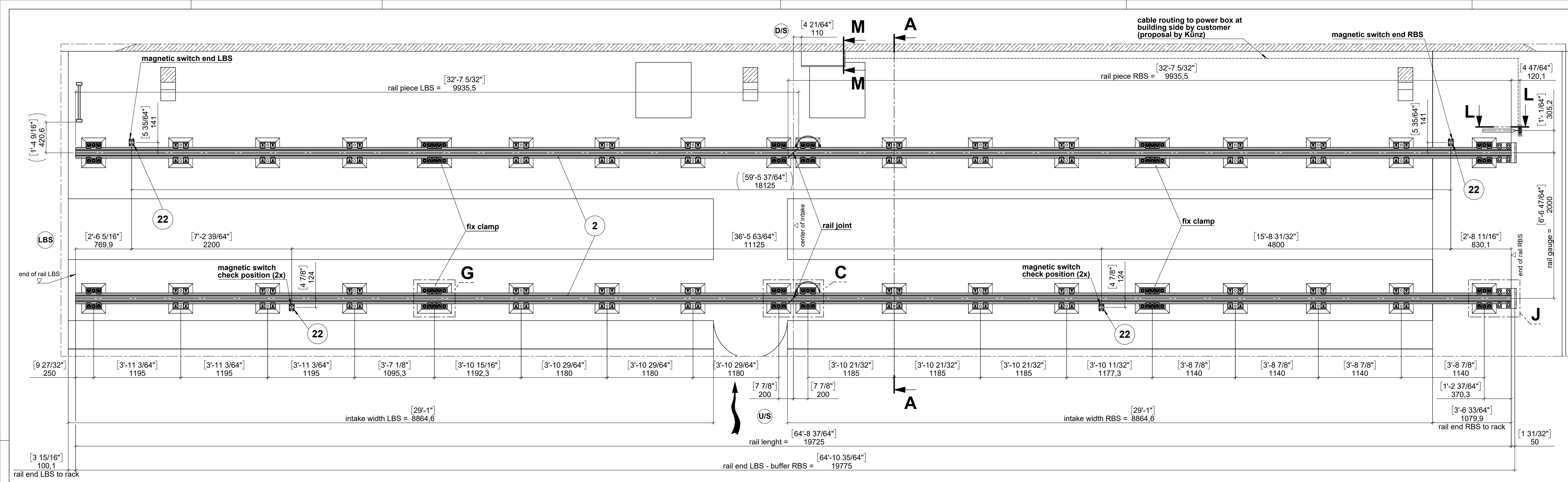
ENGLISH	DEUTSCH
OW	Oberwasser
UW	Unterwasser
LU	Linksseitig
RU	Rechtsseitig
SOK	Schieneoberkante

RRM ROCK FALLS 23220-20  
 RRM-H200 PB=2200

**kühz**

Scale: 1:25	Scale: 1:1	Scale: 1:1	Scale: 1:1
Weight: 14660	Weight: 288810	Weight: 288810	Weight: 288810





**Electric components listed in electric bill of material**

**BUILDING EQUIPMENT 23220-30**  
**TRCM-H200 ROCK FALLS**

LBS - (left bank side)  
RBS - (right bank side)  
U/S - (upstream)  
D/S - (downstream)

**SCHWEISS- und WELDING-CONSTRUCTIONS**  
Schweißnähte nach EN ISO 5817 - C  
Schweißnähte nach EN ISO 5817 - C  
Allgemeintoleranzen nach EN ISO 13053 - BF  
general tolerances acc. EN ISO 13053 - BF

Notch-geschweißte Figuren  
not marked fitting areas

Schweißnähte durchgehend geschweißt  
und rundum abgedichtet  
welds are sagged ends and closed around

Schweißnähten nach KBN 132192  
welding according to KBN 132192

Material: 3300

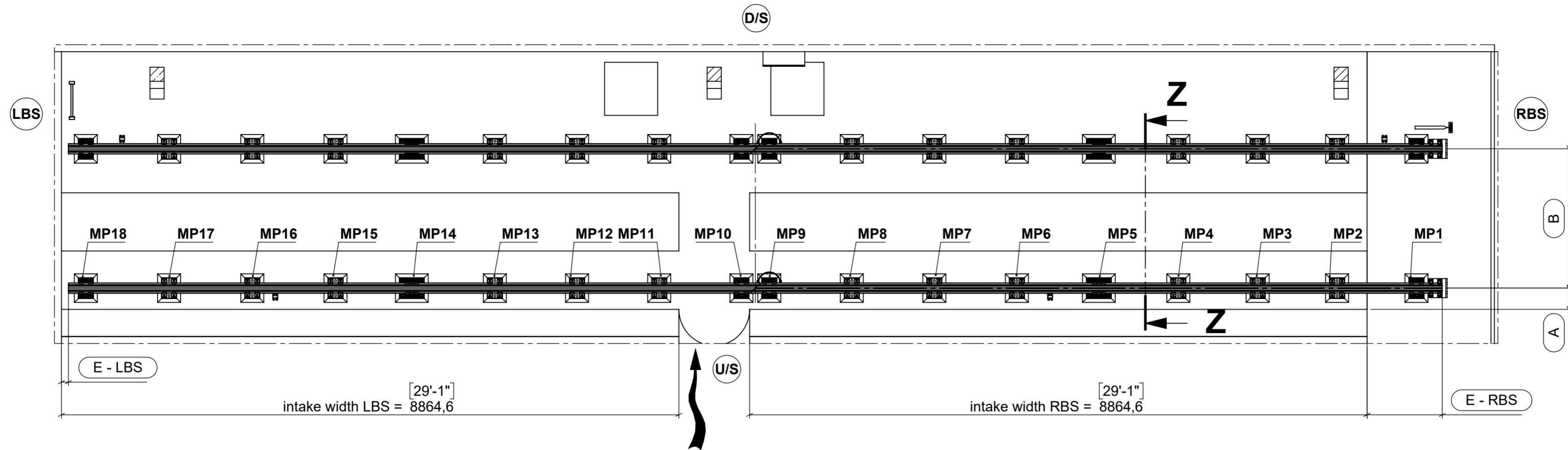
Form: 1-2 A0

288860

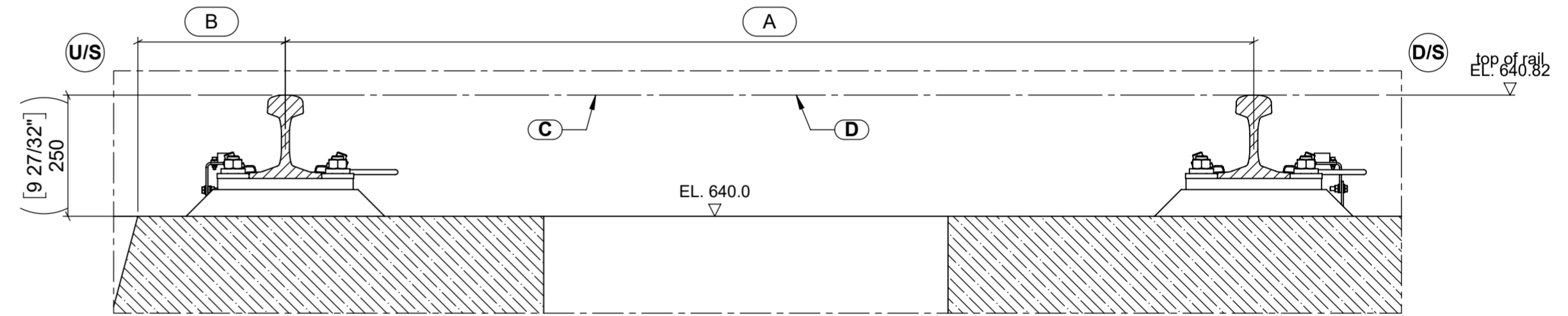
1:25

Magnetic switches fixed on building after test run of TRCM!

# Measuring plan



**SCHNITT Z-Z**  
MAßSTAB 1 : 10  
90°

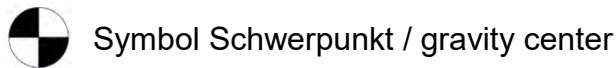


MP	A	B	C	D	E
measuring point	distance OW rail to leading edge	rail gauge	difference in height between OW and UW rail (max. 1mm/m; max. 0,004"/3,28')	altitude top of rail D/S	overlap rail end to rack
setpoints	304,8mm; 1'-0"	2000 ±3 mm; 6' 6 47/64" ±1/8"	0 ±1,5 mm; 0 ±0,006"	EL. 640,82	LBS = 100,1mm; 3 15/16" RBS = 1079,9mm; 3'-6 33/64"
1					LBS =
2					RBS =
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

**The measuring starts U/S RBS with MP1**  
**For measuring altitude, starts from MP1 as zero point**

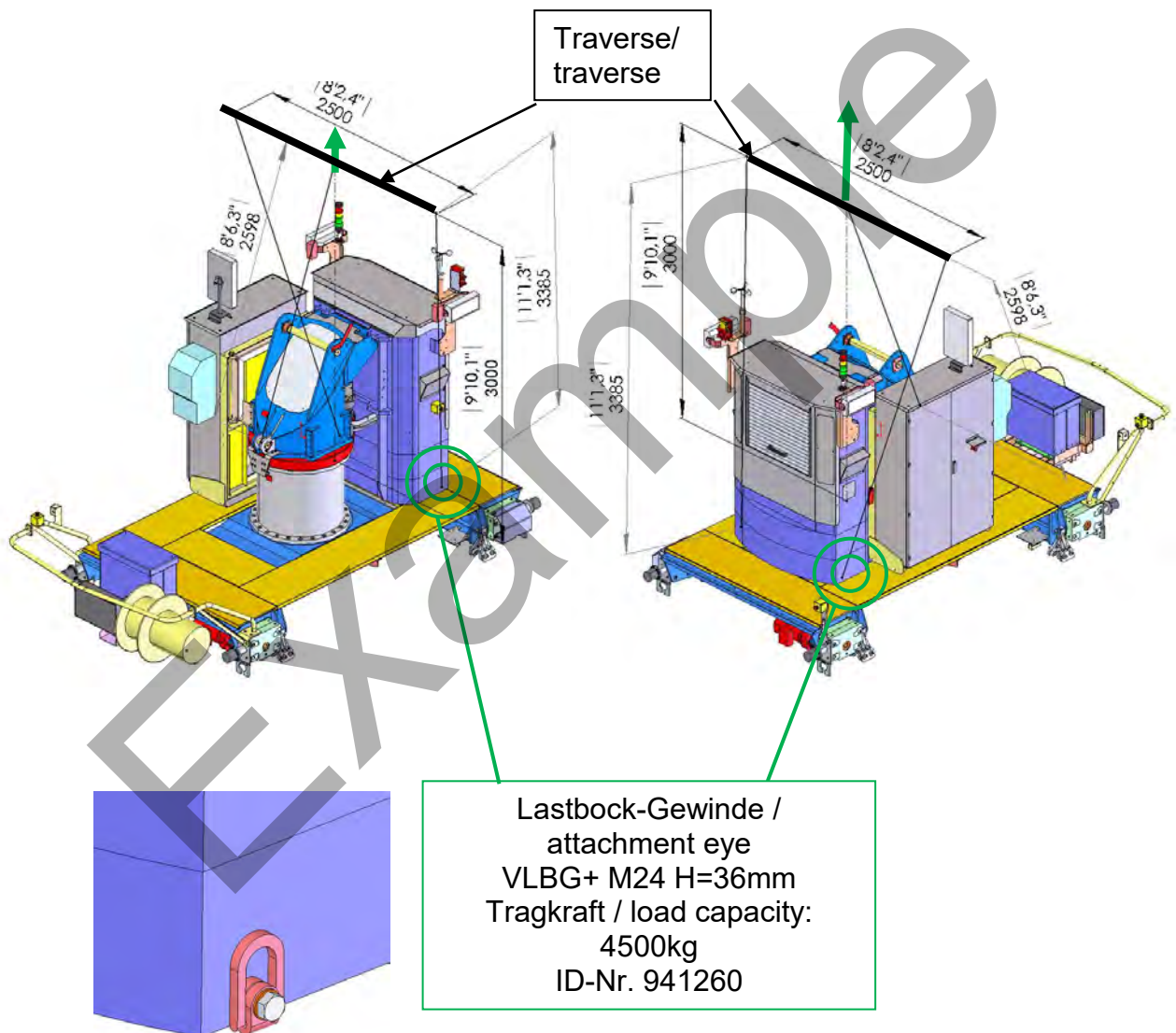
Name		Date		Signature													
Künz																	
client																	
<table border="1"> <tr> <td>Index</td> <td colspan="3">Änderung</td> <td>Datum</td> <td>Name</td> </tr> <tr> <td>Index</td> <td colspan="3">Revision</td> <td>Date</td> <td>Name</td> </tr> </table>						Index	Änderung			Datum	Name	Index	Revision			Date	Name
Index	Änderung			Datum	Name												
Index	Revision			Date	Name												
Benennung/Designation <b>BAUWERKSAUSRUESTUNG 23220-30</b> <b>RRM-H200 ROCK FALLS</b>																	
Material Technologie																	
Datum Date		Name Name		Allgemeintoleranzen: Mech. Bearbeitung nach DIN ISO 2768-mk Blechschritte nach ISO 9013-1AG Stanz- und Kantteile DIN 6930-m Werkstückkanten nach DIN ISO 13715 General tolerances: mech. processing acc. DIN ISO 2768-mk thermal cutting tol. acc. ISO 9013-1AG stamped or cutted parts acc. DIN 6930m edges of working parts acc. DIN ISO 13715 Schutzvermerk ISO 16016 beachten Copyright according ISO 16016													
Ersteller draughtsman 28.11.2023 Karca L.		Geprüft Checked 30.11.2023 Fohn L.		Gewicht/Weight (kg) <b>3300</b> Ichnr./Dwg.No. * 288860													
Maßstab/Scale <b>1:50</b>		Blatt X von X Sheet X from X <b>2 - 2</b>		Format <b>A2</b> Ichnr./Dwg.No. <b>288860</b>													
		Ausg. Rev.		- -													



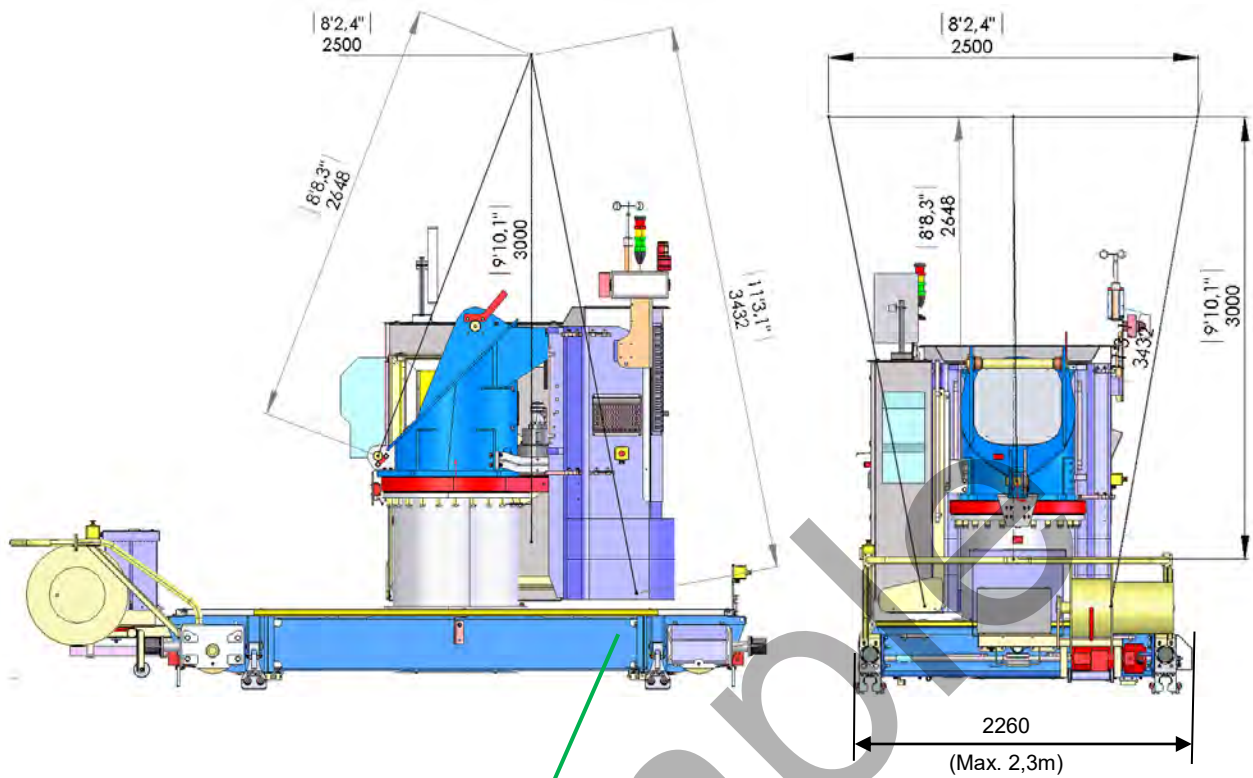


**VARIANTE 1:** Unterwagen + Oberwagen Mittelteil  
**OPTION 1:** under-carriage + center part upper-carriage

Eigengewicht / weight  
7600kg / 16755lbs



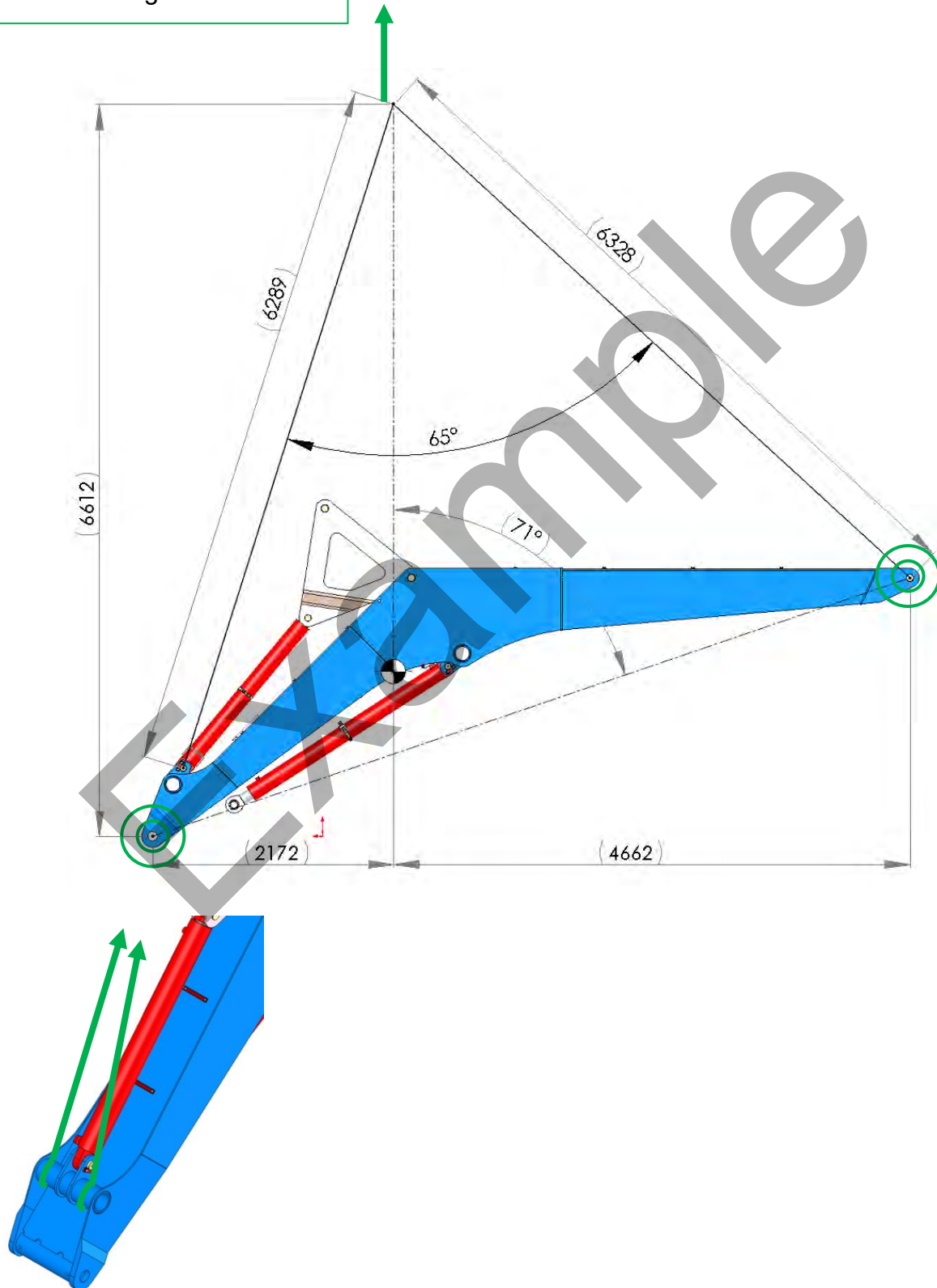
A	2022-07-06	Aktualisiert	Fohn L.	Fohn L.
0	2022-03-23	Erstausgabe	Fohn L.	Fohn L.
Ausg. Rev.	Datum Date	Beschreibung Description	Bearbeitet Edited by	Freigabe Approval by



Lastbock-Gewinde /  
attachment eye  
VLBG+ M24 H=36mm  
Tragkraft / load capacity:  
4500kg  
ID-Nr. 941260

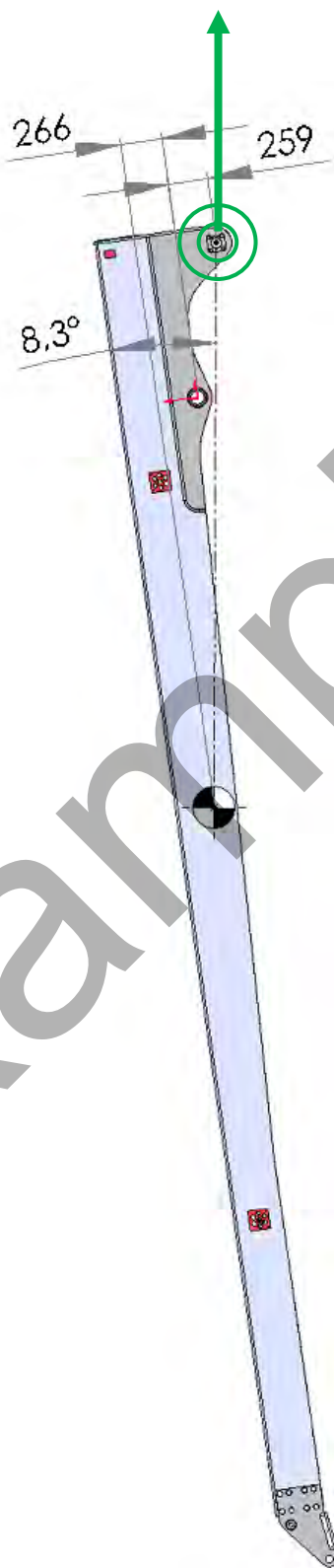
Hauptarm (inkl. Zylinder + Kniehebel)  
wenn Hauptarm nicht zusammen mit Unterw.+Oberw. Transportiert wird  
main arm (incl. cylinders + toggle lever)  
if main arm don't moved together with under and upper carriage

Eigengewicht / weight  
1650kg / 3640lbs



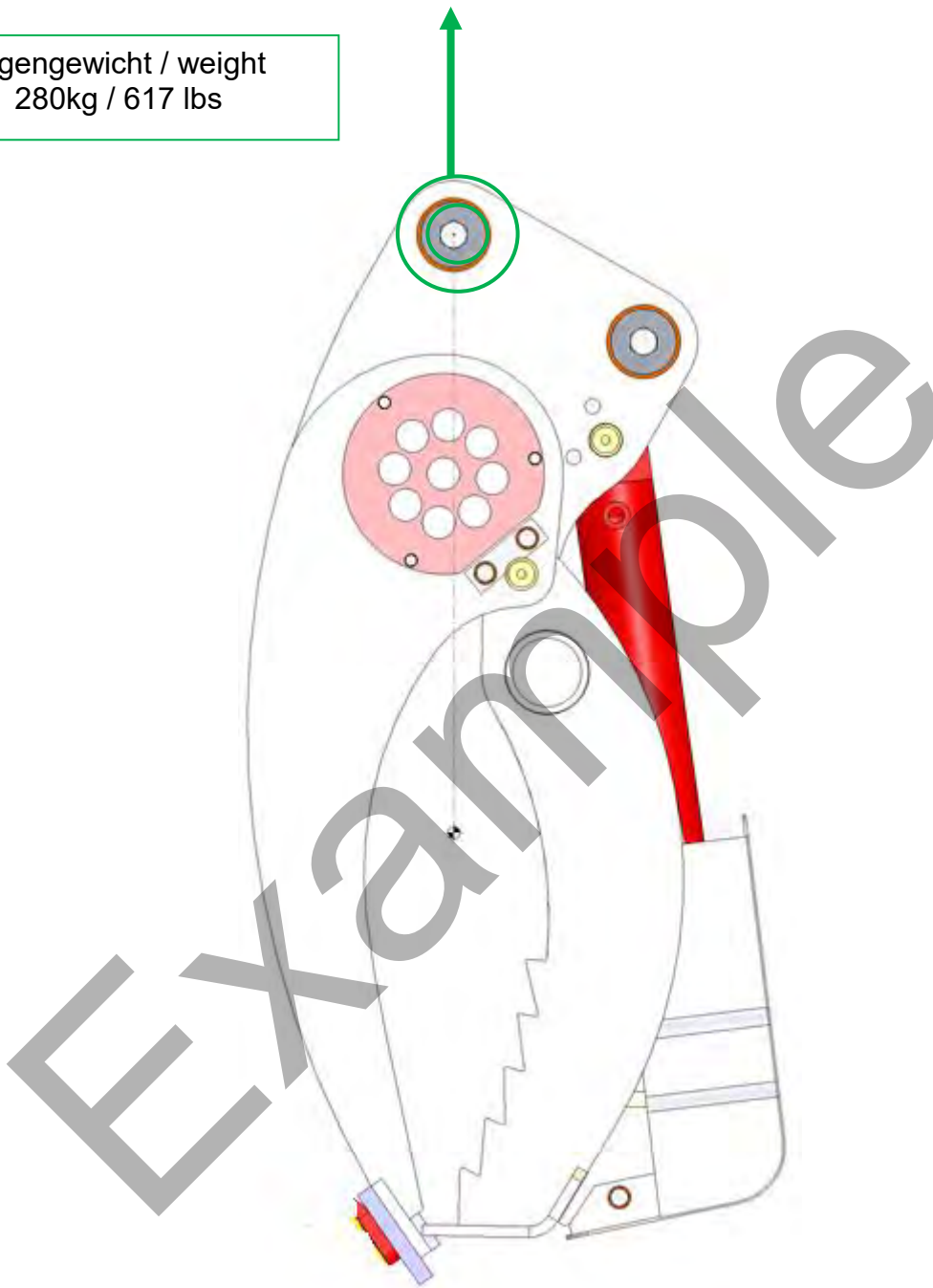
Knickarm  
bend arm

Eigengewicht / weight  
820kg / 1807lbs



Harke  
rake

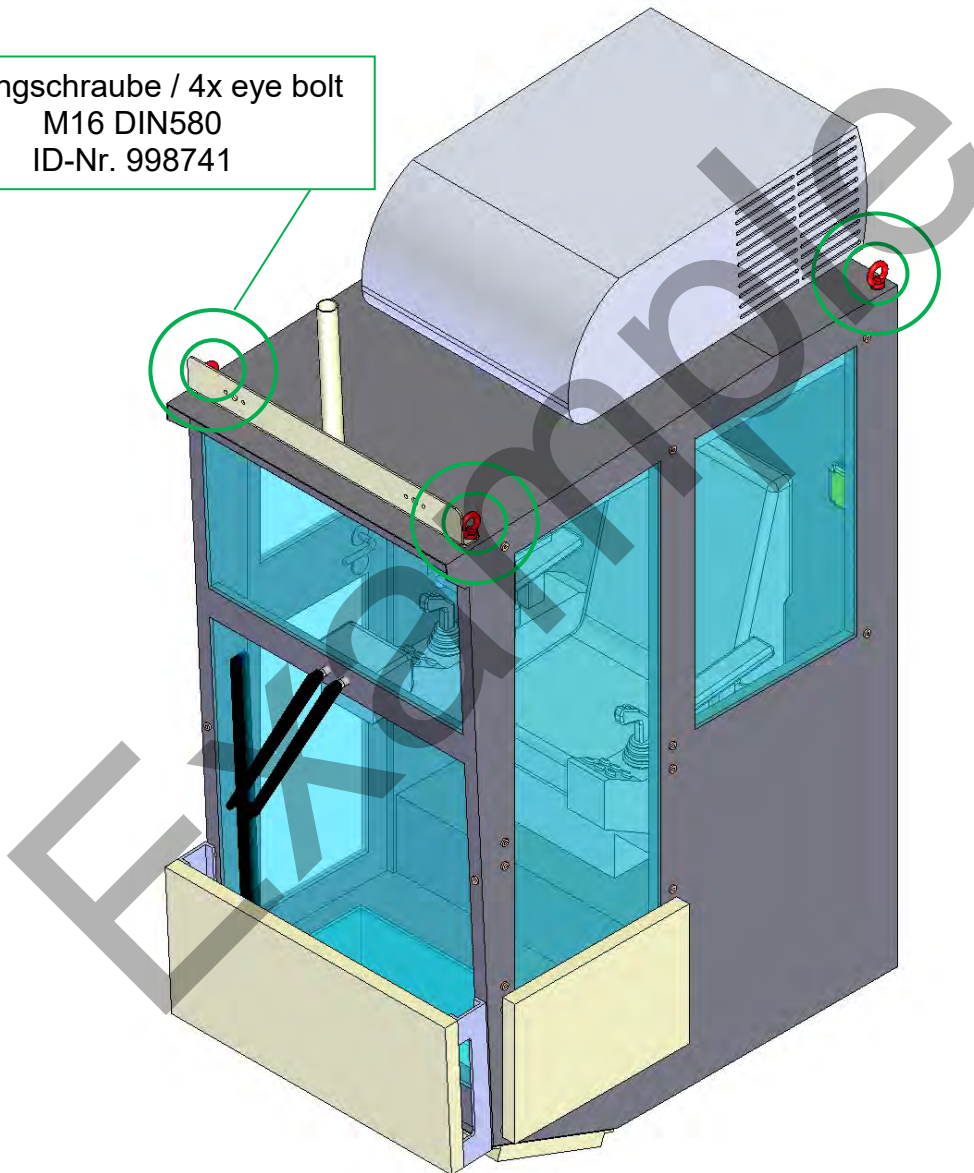
Eigengewicht / weight  
280kg / 617 lbs



Kabine  
cabin

Eigengewicht / weight  
500kg / 1100 lbs

4x Ringschraube / 4x eye bolt  
M16 DIN580  
ID-Nr. 998741





Creator: BKA		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		1 of 2 19.12.2023 16:23:15	
Item number 288810			Index 0	Designation 1: TRCM ROCK FALLS 23220-20				Comp SMC	Weight 14.660,000		
Drawing DIN No: 288810-0 A0 SWX			S 3	Designation 2: TRCM-H200 CLEANING WIDTH=2200				Valid label valid	Work schedule no. ?191110		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
10	288801		GENERAL FAB.NO. 23220-20								
0	1,000	PCS	TRCM-H200 ROCK FALLS					AUFTRAG			
20	288820		UPPER CARRIAGE ASSEMBLY DRAWING CABINE LBS								
1	1,000	PCS	TRCM-H200 POINT OF ACCESS RBS/LBS					288820-0 A0 SWX 2BL			
30	288840		UNDERCARRIAGE ASSEMBLY DRAWING RAIL GAUGE 2000								
2	1,000	PCS	TRCM-H200					288840-0 A0 SWX			
40	191144		ELEVATION TUBE KDV								
3	1,000	PCS	RRM-H250 H=745MM					191144-D A2 SWX			
			HOT-DIP GALVANIZED								
50	283521		KDV ASSY DRAW.								
4	1,000	PCS	RRM-H200 UNTERW. HEAVY + ELEVATION TUBE					283521-0 A2 SWX			
60	288830		MAIN ARM ASSEMBLY DRAWING 6000X3300								
5	1,000	PCS	TRCM-H200-V1					288830-0 A1 SWX			
70	288835		BEND ARM ASSEMBLY DRAWING 9000								
6	1,000	PCS	TRCM-H200-V1					288835-0 A1 SWX			
80	195233		LEVER BAR STEEL CONSTRUCTION 6000								
7	1,000	PCS	RRM-H200-V1					195233-A A2 SWX			
			HOT-DIP GALVANIZED EN ISO 1461								
90	231738		KNEE LEVER ASSY DRAW.								
8	1,000	PCS	TRCM-H200					231738-B A2 SWX			
100	288850		GRIPPER RAKE ASSEMBLY DRAWING CW=2200								
9	1,000	PCS	TRCM-H200					288850-0 A0 SWX			
110	945172		HYDRAULIC CYLINDER DW 125/100/1670								
15	1,000	PCS	HUB1670 EBL2205 250BAR					KTL-A DOKU			
			2XGA60-2RS								
120	945175		HYDRAULIC CYLINDER DW 125/90/1420								
16	1,000	PCS	HUB1420 EBL1775/250BAR					KTL-A DOKU			
			2XGA60-2RS								
130	191232		CYLINDER BEARING DM60 ASSY DRAW.								
20	1,000	PCS	TRCM-H200 CENTER PART TO MAIN ARM CYLINDER					191232-0 A3 SWX			
140	279734		PIVOT BEARING ASSEMBLY DRAWING 70 MAIN ARM								
21	1,000	PCS	TRCM-H200 - MAIN ARM TO UPPER CARRIAGE					279734-0 A3 SWX			
150	283565		ENCOR MOUNTING ROTATING MONITORING								
25	1,000	PCS	TRCM-H200 BLIND HOLE ENCODER SONDER					283565-0 A3 SWX			
160	769876		MOUNTING PLATE SWITCH								
30	1,000	PCS	5X196X266					769876-0 A4 SWX			
			S235JR EN10025								
			HOT-DIP GALVANIZED EN ISO 1461								
170	991075		BOLT M 10X 30 DIN933 A4-70								
31	2,000	PCS	ISO4017					PKT=200STK			
180	949786		WASHER 10,5 A DIN9021 A4								
32	2,000	PCS	ISO7093					PKT=500STK			

Creator: BKA	Approved: YES	Variant: A	<b>Bill of material</b>		Page: Date: Time:	2 of 2 19.12.2023 16:23:15
Item number 288810		Index 0	Designation 1: TRCM ROCK FALLS 23220-20		Comp SMC	Weight 14.660,000
Drawing DIN No: 288810-0 A0 SWX		S 3	Designation 2: TRCM-H200 CLEANING WIDTH=2200		Valid label valid	Work schedule no. ?191110
Pos.	IdentNo	Designation 1			Length	Width
Dr.pos	Quantity	Qty.	Designation 2			Drawing DIN No.
			Material			
			Technical information (if available)			
			Fitting instruction (if available)			
190	288874		HOSE LIST			
100	1,000	PCS	H200 WITH RAKE HYDRAULIC LBS			OZ
200	288881		ELECTRICAL TRCM ADDITIONAL EQUIPMENT			
101	1,000	PCS	RRM-H200 ROCK FALLS			OZ

Creator: CM		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		1 of 8 19.12.2023 16:23:18	
Item number 288820			Index 0	Designation 1: UPPER CARRIAGE ASSEMBLY DRAWING CABINE LBS				Comp SMC	Weight 8.940,000		
Drawing DIN No: 288820-0 A0 SWX 2BL			S 3	Designation 2: TRCM-H200 POINT OF ACCESS RBS/LBS				Valid label valid	Work schedule no. ?1151		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
10	288822		UPPER CARRIAGE CENTER PART STEEL CONSTRUCTION FINE								
1	1,000	PCS	TRCM-H200					288822-0 A1 SWX 2BL			
20	288839		CONSOLE CABIN LBS								
2	1,000	PCS	TRCM-H200					288839-0 A2 SWX			
			HOT-DIP GALVANIZED EN ISO 1461								
30	930531		CABIN RRM 23220 ROCK FALLS								
3	1,000	PCS	SCANCAB SC-15 - POINT OF ACCESS RE					KTL-0 DOKU			
40	288827		PLATFORM LBS ASSEMBLY								
4	1,000	PCS	TRCM H200 UPPER CARRIAGE					288827-0 A3 SWX			
50	288824		PLATFORM RBS ASSEMBLY								
5	1,000	PCS	TRCM H200 UPPER CARRIAGE					282224-0 A3 SWX			
60	288829		ACCESS 500/1941/141								
6	2,000	PCS	RRM-H200					288829-0 A3 SWX			
			HOT-DIP GALVANIZED EN ISO 1461								
70	288834		HAND RAIL HOLDER								
7	1,000	PCS	UPPER CARRIAGE PLATFORM - CABIN					288834-0 A3 SWX			
			HOT-DIP GALVANIZED EN ISO 1461								
80	981895		PIPE COUPLING 14-7								
8	1,000	PCS	STRAIGHT CONNECTOR								
			CAST STEEL								
			HOT-DIP GALVANIZED								
90	288826		CABIN CONSOLE SP								
10	1,000	PCS	TRCM-H200 - CABIN LU					OZ SP ZU 283529			
			HOT-DIP GALVANIZED EN ISO 1461								
100	810795		BEVELING PART 3/12/545/1067								
11	1,000	PCS	RAIN CANOPY E-CABINT					810795-0 A3 SWX			
			1.4301 1D EN10088-2								
			LASER-CUT								
110	279767		ANTENNA CONSOLE								
12	1,000	PCS	STAINLESS STEEL					279767-0 A3 SWX			
			ANNEALING COLORS MECHANICALLY STRIPPED OR PICKLED								
120	764024		BEVELING PART 3/27/30/266/30/27/280								
13	2,000	PCS						764024-A A4 SWX			
			1.4301 1D EN10088-2								
130	930435		CABINET 1330X1570X730								
14	1,000	PCS	ASW 133 157 73 / WO.MOUNTINGPLATE					KTL-0			
			NIRO 304								
140	810793		FLAME CUTTING 6/230/260								
16	1,000	PCS						810793-0 A4 SWX			
			1.4301 1D EN10088-2								
			LASER-CUT								
150	818514		HOLDER FOR ELECTRICAL COMPONENTS SP								
17	1,000	PCS	BEVELING PART 5/85/128/913					OZ SP ZU 810790			

Creator: CM		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		2 of 8 19.12.2023 16:23:18			
Item number 288820				Index 0				Designation 1: UPPER CARRIAGE ASSEMBLY DRAWING CABINE LBS				Comp SMC	
Drawing DIN No: 288820-0 A0 SWX 2BL				S 3		Designation 2: TRCM-H200 POINT OF ACCESS RBS/LBS				Valid label valid		Work schedule no. ?1151	
Pos.	IdentNo		Designation 1						Length	Width			
Dr.pos	Quantity	Qty.	Designation 2						Drawing DIN No.				
			Material										
			Technical information (if available)										
			Fitting instruction (if available)										
			S235J2 EN10025-2										
			LASER-CUT, HOT-DIP GALVANIZED EN ISO 1461										
160	810794		FLAME CUTTING 6/260/310										
18	1,000	PCS							810794-A A4 SWX				
			1.4301 1D EN10088-2										
			LASER-CUT										
170	814513		FLAME CUTTING 15/260/310										
19	1,000	PCS	8 X DM7						814513-0 A4 SWX				
			1.4301 1D EN10088-2										
180	818557		FLAME CUTTING 6/260/260										
20	1,000	PCS							818557-0 A4 SWX				
			1.4301 1D EN10088-2										
			LASER-CUT										
190	756888		PLATE 25/120/200										
21	4,000	PCS	1xDM18 1xDM35						756888-0 A4 SWX				
			S235JR EN10025-2										
			HOT-DIP GALVANIZED EN ISO 1461										
200	930415		AUSBLASGRID FOR H-CABINT										
22	1,000	PCS							930415-0 A3 SWX				
			1.4301 1D EN10088-2										
			LASER-CUT/ANNEALING COLORS MECHANICALLY STRIPPED OR PICKLED										
210	810069		BEVELING PART L 6/50/110/220										
24	1,000	PCS							810069-0 A3 SWX				
			1.4301 1D EN10088-2										
			LASER-CUT/ANNEALING COLORS MECHANICALLY STRIPPED OR PICKLED										
220	810797		BEVELING PART L 4/70/70/128										
26	1,000	PCS							810797-0 A4 SWX				
			1.4301 1D EN10088-2										
230	932328		CABLE CLAMP KS 1X46-75-ML										
27	1,000	PCS	DIAMETER 46-75						WKB-0				
			PLASTICS										
240	810865		COVER UPPER CARRIAGE CENTER PART										
30	1,000	PCS	TRCM-H200						810865-0 A3 SWX				
			AlMg3										
			LASER-CUT										
250	818681		COVER										
31	1,000	PCS	3/209/358/560						818681-0 A3 SWX				
			Al Mg3 F22 DIN1783										
260	811057		COVER 3/430/600										
32	1,000	PCS	LASER-CUT						811057-0 A4 SWX				
			ALMG3 F22 DIN1783										
270	810871		COVER E-SCHRANK										
33	1,000	PCS	BEVELING PART 3/25/114/1000						810871-0 A3 SWX				

Creator: CM		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		3 of 8 19.12.2023 16:23:18	
Item number 288820				Index 0				Designation 1: UPPER CARRIAGE ASSEMBLY DRAWING CABINE LBS			
Drawing DIN No: 288820-0 A0 SWX 2BL				S 3		Designation 2: TRCM-H200 POINT OF ACCESS RBS/LBS				Valid label valid Work schedule no. ?1151	
Pos.	IdentNo		Designation 1				Length	Width			
Dr.pos	Quantity	Qty.	Designation 2				Drawing DIN No.				
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
			Al Mg3 F22 DIN1783								
280	959738		ADHESIVE LABEL SYMBOL ROUND 200								
36	1,000	PCS	"HELMPLICHT"				KTL-A				
			ADHESIVE FILM								
290	957047		ADHESIVE LABEL SYMBOL ROUND 200								
37	1,000	PCS	"ORDER TRAGEN"				KTL-0				
			ADHESIVE FILM								
300	959250		ADHESIVE LABEL SYMBOL ROUND 200								
38	1,000	PCS	"LAERMSCHUTZ"				KTL-A				
			ADHESIVE FILM								
310	965280		ADHSIVE LETTERS "UNAUTHORIZED AUFS"								
39	1,000	PCS	DOCUMENT BLACK CAUSE WHITE				KTL-C ENGLISCH				
			ADHESIVE FILM 350X250								
320	288814		MANUFACTURER'S LABEL 110 X 150 ALU								
41	1,000	PCS	FAB. NR. 23220				288814-0 A4 SWX				
			ALMG1 F15 DIN1783								
330	810230		BEVELING PART L 4/42/95/85								
43	1,000	PCS					810230-0 A3 SWX				
			1.4301 1D EN10088-2								
			LASER-CUT/ANNEALING COLORS MECHANICALLY STRIPPED OR PICKLED								
340	818532		COVER 4/185/185								
44	1,000	PCS	WITH COUNTERSINK				818523-0 A3 SWX				
			ALMG3 F22 DIN1783								
			LASER_CUT								
350	995792		BOLT M 16X 40 DIN933 8.8 TZN								
51	6,000	PCS	ISO4017				PKT=50STK				
			AM=150NM, MOS2								
360	938477		WASHER 17 DIN125 300HV								
52	10,000	PCS	ISO7089								
			ZINC FLAKE COATING								
370	995821		NUT M 16 DIN934 8 TZN								
53	4,000	PCS					PKT=200STK				
380	938472		WASHER 17 DIN7349 300HV								
54	4,000	PCS									
			ZINC FLAKE COATING								
390	995806		BOLT M 16X 50 DIN933 8.8 TZN								
55	4,000	PCS	ISO4017				PKT=50STK				
			AM=150NM, MOS2								
400	960437		WEDGE LOCK WASHER M16								
56	2,000	PCS	17,0X30,7X 3,7								
			ZINC FLAKE COATING								
			IN PAIRS GLUED								

Creator: CM		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		4 of 8 19.12.2023 16:23:18	
Item number 288820			Index 0	Designation 1: UPPER CARRIAGE ASSEMBLY DRAWING CABINE LBS				Comp SMC	Weight 8.940,000		
Drawing DIN No: 288820-0 A0 SWX 2BL			S 3	Designation 2: TRCM-H200 POINT OF ACCESS RBS/LBS				Valid label valid	Work schedule no. ?1151		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
410	991079		BOLT M 16X 50 DIN933 A4-70								
60	4,000	PCS	ISO4017					PKT=25STK			
			Loctite 243								
420	782122		SHEET METAL RING 3X 17X 50 1.4301								
61	4,000	PCS						KBN592451			
			1.4301 1D EN10088-2								
			LASER-CUT								
430	947418		BOLT M 16X 40 DIN7991 A4-70								
62	4,000	PCS						PKT=25STK			
			Loctite 243								
440	811089		PLATE 10/20/70 PA6								
65	10,000	PCS						811089-0 A4 SWX			
			PA6 DIN16773								
450	931738		FOAM RUBBER PROFILE 20X15					2345,000 MM			
66	1,000	PCS	SELF-ADHESIVE					WKB-0			
			EPDM								
460	931738		FOAM RUBBER PROFILE 20X15					915,000 MM			
67	1,000	PCS	SELF-ADHESIVE					WKB-0			
			EPDM								
470	931738		FOAM RUBBER PROFILE 20X15					710,000 MM			
68	1,000	PCS	SELF-ADHESIVE					WKB-0			
			EPDM								
480	991065		BOLT M 12X 40 DIN933 A4-70								
70	8,000	PCS	ISO4017					PKT=50STK			
490	982224		WEDGE LOCK WASHER M12								
71	32,000	PCS	13,0X25,4X 2,7								
			A4								
			IN PAIRS GLUED								
500	994891		NUT M 12 DIN934 A4								
72	16,000	PCS						PKT=200STK			
510	965631		BOLT M 12X 50 DIN933 A4-70								
75	5,000	PCS	ISO4017								
			Loctite 243								
520	991077		BOLT M 12X 30 DIN933 A4-70								
76	7,000	PCS	ISO4017					PKT=100STK			
530	732298		SPACER RING B 12/DI 14/DA 30								
77	4,000	PCS	FL0/FR0					KBN592455			
			1.4301 EN10088-3								
540	988402		WASHER 13 DIN7349 A4								
78	3,000	PCS						VE=200 STK			
550	991082		WASHER 13 DIN125 A4								
79	1,000	PCS	ISO7089					PKT=200STK			

Creator: CM		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		5 of 8 19.12.2023 16:23:18	
Item number 288820			Index 0	Designation 1: UPPER CARRIAGE ASSEMBLY DRAWING CABINE LBS				Comp SMC	Weight 8.940,000		
Drawing DIN No: 288820-0 A0 SWX 2BL			S 3	Designation 2: TRCM-H200 POINT OF ACCESS RBS/LBS				Valid label valid	Work schedule no. ?1151		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
560	995709		BOLT M 12X 20 DIN933 8.8 TZN								
83	4,000	PCS	ISO4017					VE=100STK			
570	947514		WEDGE LOCK WASHER M12								
84	4,000	PCS	13,0X25,4X 2,7								
			ZINC FLAKE COATING								
			IN PAIRS GLUED								
580	993504		BOLT M 10X 90 DIN933 A4-70								
87	2,000	PCS	ISO4017								
590	991081		WASHER 10,5 DIN125 A4								
88	4,000	PCS	ISO7089					PKT=500STK			
600	994003		NUT M 10 DIN985 A4								
89	2,000	PCS						PKT=500STK			
610	991776		BOLT M 10X 80 DIN933 A4-70								
90	2,000	PCS	ISO4017					PKT=50STK			
620	949100		WEDGE LOCK WASHER M10								
91	4,000	PCS	10,7X21,0X 2,7								
			A4								
			IN PAIRS GLUED								
630	994401		NUT M 10 DIN934 A4								
92	2,000	PCS						PKT=200STK			
640	992678		BOLT M 8X 30 DIN933 A4-70								
95	10,000	PCS	ISO4017					PKT=200STK			
650	951053		WEDGE LOCK WASHER M 8								
96	26,000	PCS	8,6X16,6X 2,7								
			A4								
			IN PAIRS GLUED								
660	994422		NUT M 8 DIN934 A4								
97	12,000	PCS						PKT=1000STK			
670	991072		BOLT M 8X 20 DIN933 A4-70								
98	24,000	PCS	ISO4017					PKT=500STK			
680	992708		WASHER 8,4 DIN125 PA6								
99	16,000	PCS	ISO7089					PKT=200STK			
690	992103		NUT M 8 DIN985 A4								
100	20,000	PCS						PKT=1000STK			
700	949852		WASHER 8,4 A DIN9021 A4								
101	4,000	PCS	ISO7093					PKT=500STK			
710	992123		BOLT M 8X 16 DIN7991 A4-70								
103	4,000	PCS						PKT=200STK			
720	990812		WASHER 8,4 DIN125 A4								
104	20,000	PCS	ISO7089					PKT=500STK			
730	949473		EYE BOLT M 8 DIN580 A4								
105	4,000	PCS						PKT=25STK			

Creator: CM		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		6 of 8 19.12.2023 16:23:18	
Item number 288820			Index 0	Designation 1: UPPER CARRIAGE ASSEMBLY DRAWING CABINE LBS				Comp SMC	Weight 8.940,000		
Drawing DIN No: 288820-0 A0 SWX 2BL			S 3	Designation 2: TRCM-H200 POINT OF ACCESS RBS/LBS				Valid label valid	Work schedule no. ?1151		
Pos.	IdentNo		Designation 1					Length		Width	
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
740	939946		BOLT M 6X 60 DIN933 A4-70								
108	2,000	PCS	ISO4017					PKT=100STK			
750	992685		BOLT M 6X 16 DIN933 A4-70								
109	4,000	PCS	ISO4017					PKT=200STK			
760	992688		BOLT M 6X 30 DIN933 A4-70								
110	8,000	PCS	ISO4017					PKT=200STK			
770	991071		BOLT M 6X 25 DIN933 A4-70								
111	8,000	PCS	ISO4017					PKT=200STK			
780	968731		WEDGE LOCK WASHER M 6								
112	46,000	PCS	6,5X13,5X 1,7 A4 IN PAIRS GLUED								
790	992696		NUT M 6 DIN934 A4								
113	16,000	PCS						PKT=1000STK			
800	935265		BLIND RIVET NUT M 6								
114	12,000	PCS	TRUSS HEAD A4 FOR MATERIAL THICKNESS 0,25-3,5MM					VE=250STK			
810	074622		MOUNTING BRACKET 200								
117	2,000	PCS	35 X 30 X 3 /196 PERFORATED STEEL SHEET FEUERVERZINKT					074622-0 A4 CAD			
820	992686		BOLT M 6X 20 DIN933 A4-70								
118	16,000	PCS	ISO4017					PKT=500STK			
830	991080		WASHER 6,4 DIN125 A4								
119	20,000	PCS	ISO7089					PKT=1000STK			
840	988289		BOLT M 6X 25 DIN912 A4-70								
120	4,000	PCS	ISO4762					PKT=200STK			
850	991095		NUT M 6 DIN985 A4								
121	4,000	PCS						PKT=1000STK			
860	992684		BOLT M 6X 10 DIN933 A4-70								
122	4,000	PCS	ISO4017					PKT=500STK			
870	988290		BOLT M 6X 20 DIN912 A4-70								
125	4,000	PCS	ISO4762					PKT=200STK			
880	949787		WASHER 6,4 A DIN9021 A4								
126	4,000	PCS	ISO7093					PKT=1000STK			
890	991159		BOLT M 5X 30 DIN912 A4-70								
130	6,000	PCS	ISO4762					PKT=200STK			
900	988069		WASHER 5,3 DIN125 A4								
131	10,000	PCS	ISO7089					PKT=1000STK			
910	988070		NUT M 5 DIN985 A4								
132	4,000	PCS						PKT=1000STK			



Creator: CM		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		7 of 8 19.12.2023 16:23:18	
Item number 288820				Index 0				Designation 1: UPPER CARRIAGE ASSEMBLY DRAWING CABINE LBS			
Drawing DIN No: 288820-0 A0 SWX 2BL				S 3		Designation 2: TRCM-H200 POINT OF ACCESS RBS/LBS				Valid label valid Work schedule no. ?1151	
Pos.	IdentNo		Designation 1				Length	Width			
Dr.pos	Quantity	Qty.	Designation 2				Drawing DIN No.				
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
920	988851		BOLT M 5X 16 DIN933 A4-70								
133	3,000	PCS	ISO4017				PKT=500STK				
930	949455		WEDGE LOCK WASHER M 5								
134	6,000	PCS	5,4X10,8X 1,7								
			A4								
			IN PAIRS GLUED								
940	991784		NUT M 5 DIN934 A4								
135	5,000	PCS									
950	946907		BOLT M 4X 20 DIN912 A4								
136	6,000	PCS	ISO4762				PKT=500STK				
960	957467		WASHER 4,3 DIN125 A4								
137	8,000	PCS	ISO7089								
970	966800		NUT M 4 DIN985 A4								
138	8,000	PCS									
980	956288		BOLT M 4X 16 DIN7991 A4-70								
139	2,000	PCS									
990	938665		PIPE CLAMP NI M8 62-72								
145	2,000	PCS	CADDY MACROFIX M8/SW13/A4								
1000	939443		PIPE CLAMP NI M8 35-41 1"								
146	4,000	PCS	CADDY MACROFIX M8/SW13/A4								
1010	939115		PIPE CLAMP NI M8 23-29 3/4"								
147	10,000	PCS	CADDY MACROFIX M8/SW13/A4								
1020	984209		PIPE CLAMP 40 A4								
148	2,000	PCS	RS 1.40/20-W5 DIN3016								
			1.4571								
1030	984207		PIPE CLAMP 25 A4								
149	2,000	PCS	RS 1.25/20-W5 DIN3016								
			1.4571								
1040	984255		COVER PLATE HRL 3 DP A4								
150	1,000	PCS					WKB-A				
1050	992957		BRACKET HRL 3 KP 20 PP								
151	1,000	PCS									
1060	980058		CONDUIT SALR 25				300,000 MM				
0	1,000	PCS	25,0/22,6/1,2				WKB-0				
			AL VE= 3M								
1070	980058		CONDUIT SALR 25				450,000 MM				
0	1,000	PCS	25,0/22,6/1,2				WKB-0				
			AL VE= 3M								
1080	980058		CONDUIT SALR 25				100,000 MM				
0	1,000	PCS	25,0/22,6/1,2				WKB-0				
			AL VE= 3M								

Creator: CM		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		8 of 8 19.12.2023 16:23:18			
Item number 288820				Index 0				Designation 1: UPPER CARRIAGE ASSEMBLY DRAWING CABINE LBS				Comp SMC	
Drawing DIN No: 288820-0 A0 SWX 2BL				S 3		Designation 2: TRCM-H200 POINT OF ACCESS RBS/LBS				Valid label valid		Work schedule no. ?1151	
Pos.	IdentNo		Designation 1						Length	Width			
Dr.pos	Quantity	Qty.	Designation 2						Drawing DIN No.				
			Material										
			Technical information (if available)										
			Fitting instruction (if available)										
1090	980058		CONDUIT SALR 25						900,000 MM				
0	2,000	PCS	25,0/22,6/1,2						WKB-0				
			AL VE= 3M										
1100	980058		CONDUIT SALR 25						200,000 MM				
0	1,000	PCS	25,0/22,6/1,2						WKB-0				
			AL VE= 3M										
1110	980060		CONDUIT SALR 40						550,000 MM				
0	1,000	PCS	40,0/37,6/1,2						WKB-0				
			AL VE= 3M										
1120	980060		CONDUIT SALR 40						400,000 MM				
0	1,000	PCS	40,0/37,6/1,2						WKB-0				
			AL VE= 3M										
1130	980060		CONDUIT SALR 40						450,000 MM				
0	1,000	PCS	40,0/37,6/1,2						WKB-0				
			AL VE= 3M										
1140	980062		CONDUIT SALR 63						800,000 MM				
0	1,000	PCS	63,0/60,0/1,5						WKB-0				
			AL VE= 3M										
1150	957239		CABLE TRAY B200 RL60.200 F						700,000 MM				
0	1,000	PCS	EAN 221509 3000 MM LONG						WKB-A				
			INCLUDING VERB. 956892 TVZ										
1160	957192		COVER B200 RD200 F						700,000 MM				
0	1,000	PCS	EAN 262700 3000MM LONG						WKB-B				
			STEEL TAUCHFEUERVERZINKT										
1170	938632		CONDUIT END CAP 63										
0	2,000	PCS	TYPE 129 TB M63 SW						VE=20STK				
			PE BLACK										
1180	938629		CONDUIT END CAP 25										
0	12,000	PCS	TYPE 129 TB M25 SW										
			PE BLACK										
1190	938631		CONDUIT END CAP 40										
0	6,000	PCS	TYPE 129 TB M40 SW						VE=30 STK				
			PE BLACK										
1200	266280		MOUNTING KIT FOR CABLE TRAY										
0	4,000	PCS	A4						OZ				
1210	288876		ELECTRICAL TRCM UPPER CARRIAGE										
0	1,000	PCS	RRM-H200 ROCK FALLS						OZ				
1220	288884		ELECTRICAL CABIN										
0	1,000	PCS	RRM-H200 ROCK FALLS						OZ				
1230	288872		HYDRAULICS UPPER CARRIAGE										
0	1,000	PCS	TRCM-H200						OZ				

Creator: LF		Approved: NO		Variant: A		<b>Bill of material</b>		Page: Date: Time:		1 of 3 19.12.2023 16:23:20	
Item number 288830			Index 0	Designation 1: MAIN ARM ASSEMBLY DRAWING 6000X3300				Comp SMC	Weight 1.180,000		
Drawing DIN No: 288830-0 A1 SWX			S 3	Designation 2: TRCM-H200-V1				Valid label valid	Work schedule no.		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
10	288831		MAIN ARM STEEL CONSTRUCTION ASSEMBLY DRAWING 6000X3300								
1	1,000	PCS	TRCM-H200-V2					288831-A A1 SWX 3BL			
			HOT-DIP GALVANIZED EN ISO 1461								
20	191217		PIVOT BEARING ASSEMBLY DRAWING 70 BEND ARM								
2	2,000	PCS	TRCM-H200					191217-0 A2 SWX			
30	191231		CYLINDER ATTACHMENT DM60 ASSY DRAW.								
3	2,000	PCS	TRCM-H200					191231-0 A3 SWX			
40	773195		ADJUSTABLE PLATE DM 100/10								
5	2,000	PCS	3XM4					773195-0 A4 SWX			
			ALMG3 F22 DIN1783								
			LASER-CUT								
50	940939		BOLT M 4X 25 DIN912 A4-70								
6	6,000	PCS	ISO4762								
60	957467		WASHER 4,3 DIN125 A4								
7	6,000	PCS	ISO7089								
70	991071		BOLT M 6X 25 DIN933 A4-70								
8	6,000	PCS	ISO4017					PKT=200STK			
80	968731		WEDGE LOCK WASHER M 6								
9	6,000	PCS	6,5X13,5X 1,7								
			A4								
			IN PAIRS GLUED								
90	793506		BEVELING PART U 5/110/73/43/85								
12	1,000	PCS						793506-0 A4 SWX			
			Al Mg3 F22 DIN1783								
100	994513		BOLT M 8X 16 DIN933 A4-70								
13	2,000	PCS	ISO4017					PKT=500STK			
110	951053		WEDGE LOCK WASHER M 8								
14	15,000	PCS	8,6X16,6X 2,7								
			A4								
			IN PAIRS GLUED								
120	094867		LIMIT SWITCH MOUNTING 5 CLAMP S10-20								
15	1,000	PCS	WITH ASSEMBLY AID					094867-B A4 SWX			
130	762066		BEVELING PART 5/58/98/120								
20	1,000	PCS	SP					OZ SP ZU 755703			
			1.4301 1D EN10088-2								
			LASER-CUT								
140	991072		BOLT M 8X 20 DIN933 A4-70								
21	13,000	PCS	ISO4017					PKT=500STK			
150	993441		ASSEMBLY AID MH 4-2057								
22	1,000	PCS	FOR PROXIMITY SWITCH					WKB-0			
160	937671		BOLT M 4X 16 DIN7984 A4-70								
23	2,000	PCS						VE=200STK			

Creator: LF		Approved: NO		Variant: A		<b>Bill of material</b>		Page: Date: Time:		2 of 3 19.12.2023 16:23:20	
Item number 288830			Index 0	Designation 1: MAIN ARM ASSEMBLY DRAWING 6000X3300				Comp SMC	Weight 1.180,000		
Drawing DIN No: 288830-0 A1 SWX			S 3	Designation 2: TRCM-H200-V1				Valid label valid	Work schedule no.		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
170	938467		WEDGE LOCK WASHER M 4								
24	2,000	PCS	4,4X 9,0X 1,7								
			A4								
			IN PAIRS GLUED								
180	966800		NUT M 4 DIN985 A4								
25	2,000	PCS									
190	777276		PLATE 5/75/100,5								
30	1,000	PCS	2XDM9					777276-0 A4 SWX			
			PA6 DIN16773								
200	957475		PAINTING STENCIL 'KÜNZ'								
35	2,000	PCS	273X801 NEGATIVE TEMPLATE					SCHRIFTZUG NACH 994619			
			ADHESIVE FILM								
210	984207		PIPE CLAMP 25 A4								
40	9,000	PCS	RS 1.25/20-W5 DIN3016								
			1.4571								
220	984209		PIPE CLAMP 40 A4								
41	2,000	PCS	RS 1.40/20-W5 DIN3016								
			1.4571								
230	980058		CONDUIT SALR 25					350,000 MM			
0	1,000	PCS	25,0/22,6/1,2					WKB-0			
			AL VE= 3M								
240	980058		CONDUIT SALR 25					250,000 MM			
0	1,000	PCS	25,0/22,6/1,2					WKB-0			
			AL VE= 3M								
250	980058		CONDUIT SALR 25					300,000 MM			
0	1,000	PCS	25,0/22,6/1,2					WKB-0			
			AL VE= 3M								
260	980058		CONDUIT SALR 25					1250,000 MM			
0	1,000	PCS	25,0/22,6/1,2					WKB-0			
			AL VE= 3M								
270	980060		CONDUIT SALR 40					800,000 MM			
0	1,000	PCS	40,0/37,6/1,2					WKB-0			
			AL VE= 3M								
280	938629		CONDUIT END CAP 25								
0	8,000	PCS	TYPE 129 TB M25 SW								
			PE BLACK								
290	938631		CONDUIT END CAP 40								
0	2,000	PCS	TYPE 129 TB M40 SW					VE=30 STK			
			PE BLACK								
300	288873		HYDRAULICS MAIN ARM								
0	1,000	PCS	RRM-H200 V1					288873-0 A4			
			MIT HARKE								

Creator: LF	Approved: NO	Variant: A	<b>Bill of material</b>		Page: Date: Time:	3 of 3 19.12.2023 16:23:20
Item number 288830		Index 0	Designation 1: MAIN ARM ASSEMBLY DRAWING 6000X3300		Comp SMC	Weight 1.180,000
Drawing DIN No: 288830-0 A1 SWX		S 3	Designation 2: TRCM-H200-V1		Valid label valid	Work schedule no.
Pos.	IdentNo	Designation 1			Length	Width
Dr.pos	Quantity	Qty.	Designation 2			Drawing DIN No.
			Material			
			Technical information (if available)			
			Fitting instruction (if available)			
310	288879	ELECTRICAL EQUIPMENT MAIN ARM				
0	1,000	PCS	RRM-H200 ROCK FALLS			OZ

Creator: BKA		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		1 of 1 19.12.2023 16:23:21	
Item number 288835			Index 0	Designation 1: BEND ARM ASSEMBLY DRAWING 9000				Comp SMC	Weight 772,000		
Drawing DIN No: 288835-0 A1 SWX			S 3	Designation 2: TRCM-H200-V1				Valid label valid	Work schedule no.		
Pos.	IdentNo		Designation 1					Length		Width	
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
10	288837		BEND ARM STEEL CONSTRUCTION ROUGH 9000								
1	1,000	PCS	TRCM-H200-V1					288837-0 A1 SWX 3BL			
			HOT-DIP GALVANIZED EN ISO 1461								
20	191216		PIVOT BEARING ASSEMBLY DRAWING 70								
2	1,000	PCS	TRCM-H200 LEVER BAR					191216-0 A2 SWX			
30	752523		BEVELING PART L 3/40/60/8500								
6	1,000	PCS						752523-0 A3 SWX			
			S235JR EN10025-2								
			LASER-CUT/HOT-DIP GALVANIZED EN ISO 1461								
40	991075		BOLT M 10X 30 DIN933 A4-70								
7	4,000	PCS	ISO4017					PKT=200STK			
50	949100		WEDGE LOCK WASHER M10								
8	8,000	PCS	10,7X21,0X 2,7								
			A4								
			IN PAIRS GLUED								
60	994401		NUT M 10 DIN934 A4								
9	4,000	PCS						PKT=200STK			
70	752949		BEVELING PART U 5/45/295/45/240								
13	1,000	PCS						752949-B A4 SWX			
			Al Mg3 F22 DIN1783								
80	097202		PERFORATED PLATE COVER 130/ 130/ 5 AL								
14	6,000	PCS	L SHAPED PLATE DM30 DIVIDING 40					097202-0 A4 CAD			
			ALMG3 F22 DIN1783								
90	750009		PERFORATED PLATE COVER 140/ 270/ 5 AL								
15	1,000	PCS	R 70 L SHAPED PLATE DM30 DIVIDING 40					750009-0 A4 SWX			
			ALMG3 F22 DIN1783								
100	949617		PAN HEAD SCREW M 6X 16 A4								
16	34,000	PCS	UN500								
			1 PU=500 STK								
110	195272		HYDRAULICS BEND ARM								
20	1,000	PCS	RRM-H200 V1					195272-0 A4 PC			
			MIT HARKE								

Creator: LF		Approved: NO		Variant: A		<b>Bill of material</b>		Page: Date: Time:		1 of 5 19.12.2023 16:23:23	
Item number 288840				Index 0				Designation 1: UNDERCARRIAGE ASSEMBLY DRAWING RAIL GAUGE 2000			
Drawing DIN No: 288840-0 A0 SWX				S 3		Designation 2: TRCM-H200				Valid label valid Work schedule no. ?191140	
Pos.	IdentNo		Designation 1				Length	Width			
Dr.pos	Quantity	Qty.	Designation 2				Drawing DIN No.				
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
10	231744		UNDERCARRIAGE MAIN GIRDER 3000								
1	1,000	PCS	TRCM-H200				231744-C A0 SWX				
			HOT-DIP GALVANIZED EN ISO 1461								
20	288841		WHEEL CARRIER LBS STEEL CONSTRUCTION RAIL GAUGE 2000								
2	1,000	PCS	TRCM-H200				288841-0 A1 SWX 3BL				
			HOT-DIP GALVANIZED EN ISO 1461								
30	288842		WHEEL CARRIER RBS STEEL CONSTRUCTION RAIL GAUGE 2000								
3	1,000	PCS	TRCM-H200				288842-0 A1 SWX 3BL				
			HOT-DIP GALVANIZED EN ISO 1461								
40	944804		BOLT M 20X115 EN14399-4 TZN								
5	32,000	PCS	HV FRIEDBERG				WKB958842				
			10.9								
50	964988		BOLT M 20X105 EN14399 10.9 TZN								
6	24,000	PCS	HV FRIEDBERG				WKB958842				
			PKT=25PCS								
60	989189		WASHER 21 EN14399-6 TZN								
7	112,000	PCS	HV CHAMFER FRIEDBERG				WKB958842				
			PKT=200PCS								
70	989190		NUT M 20 EN14399 10 TZN								
8	56,000	PCS	HV FRIEDBERG				WKB958842				
80	999373		WEDGE STEEL SK 40X22				32,000 MM				
9	4,000	PCS	DIN6880								
			C45 K DIN17200								
90	216669		WHEEL BLOCK WITH DRIVE 250/72								
16	2,000	PCS	SIDE CONNECTION				OZ				
100	216664		WHEEL BLOCK WITH DRIVE 250/100								
17	2,000	PCS	SIDE CONNECTION				OZ				
110	944858		CENTRAL DRIVE 250								
18	2,000	PCS	FDAT49 / FV57-W35-2000				KTL-D DOKU				
120	936616		PARALLEL SHAFT HELICAL GEAR MOTOR FV57B / 72,98								
20	2,000	PCS	CONSTRUCTION DESIGN M5 M-NENN=600NM				KTL-F DOKU				
130	933854		BOLT M 12X 90 DIN933 A4-70								
21	2,000	PCS	ISO4017				VE=50STK				
140	991082		WASHER 13 DIN125 A4								
22	4,000	PCS	ISO7089				PKT=200STK				
150	738655		SHEET METAL RING 5X 14X 45 1.4571								
23	2,000	PCS	3.1				KBN592451				
			1.4571 1D EN10088-2 3.1								
160	994511		NUT M 12 DIN985 A4								
24	2,000	PCS					PKT=200STK				
170	961013		RUBBER SPRING 12,5X40X20								
25	4,000	PCS					KTL-0				
			RUBBER HARDNESS 90SHORE A								

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Item number 288840			Index 0	Designation 1: UNDERCARRIAGE ASSEMBLY DRAWING RAIL GAUGE 2000				Comp SMC	Weight 1.877,000		
Drawing DIN No: 288840-0 A0 SWX			S 3	Designation 2: TRCM-H200				Valid label valid	Work schedule no. ?191140		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
180	206343		ANTI-TIPPING MECHANISM ASSEMBLY DRAWING H200								
30	2,000	PCS	RAIL 60 E1					206343-B A2 SWX			
190	288843		CONSOLE SPRING CABLE REEL								
35	1,000	PCS	FOR SR40					288843-0 A3 SWX			
			HOT-DIP GALVANIZED EN ISO 1461								
200	995792		BOLT M 16X 40 DIN933 8.8 TZN								
36	4,000	PCS	ISO4017					PKT=50STK			
210	938477		WASHER 17 DIN125 300HV								
37	4,000	PCS	ISO7089								
			ZINC FLAKE COATING								
220	991773		BOLT M 10X 50 DIN933 A4-70								
38	4,000	PCS	ISO4017					PKT=50STK			
230	949100		WEDGE LOCK WASHER M10								
39	26,000	PCS	10,7X21,0X 2,7								
			A4								
			IN PAIRS GLUED								
240	994401		NUT M 10 DIN934 A4								
40	13,000	PCS						PKT=200STK			
250	288846		BUFFER CONSOLE WITH RAIL GUARD ASSEMBLY DRAWING								
45	4,000	PCS	TRCM-H200 - 60E1					288846-0 A3 SWX			
260	779260		FLAME CUTTING 12/120/440								
50	1,000	PCS						779260-0 A3 SWX			
			S355J2+N EN10025-2								
			LASER-CUT, HOT-DIP GALVANIZED EN ISO 1461								
270	995755		BOLT M 12X 40 DIN933 8.8 TZN								
56	2,000	PCS	ISO4017					PKT=100STK			
280	947514		WEDGE LOCK WASHER M12								
57	4,000	PCS	13,0X25,4X 2,7								
			ZINC FLAKE COATING								
			IN PAIRS GLUED								
290	995823		NUT M 12 DIN934 8 TZN								
58	2,000	PCS						PKT=500STK			
300	991159		BOLT M 5X 30 DIN912 A4-70								
66	4,000	PCS	ISO4762					PKT=200STK			
310	988069		WASHER 5,3 DIN125 A4								
67	4,000	PCS	ISO7089					PKT=1000STK			
320	988070		NUT M 5 DIN985 A4								
68	4,000	PCS						PKT=1000STK			
330	288849		LIMIT SWITCH BRACKET UW ASSY DRAW.								
71	2,000	PCS	RRM-H200					288849-0 A3 SWX			
340	288848		LIMIT SWITCH BRACKET ASSY DRAW.								
72	1,000	PCS	TRCM-H200 - SYNC					288848-0 A3 SWX			



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Item number 288840			Index 0	Designation 1: UNDERCARRIAGE ASSEMBLY DRAWING RAIL GAUGE 2000				Comp SMC	Weight 1.877,000		
Drawing DIN No: 288840-0 A0 SWX			S 3	Designation 2: TRCM-H200				Valid label valid	Work schedule no. ?191140		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
350	818337		BEVELING PART 5/213/231/346								
75	1,000	PCS	CONSOLE E-CABINET					818337-0 A3 SWX			
			1.4301 1D EN10088-2								
			LASER-CUT								
360	991086		BOLT M 8X 20 DIN912 A4-70								
76	4,000	PCS	ISO4762					PKT=200STK			
370	992708		WASHER 8,4 DIN125 PA6								
77	4,000	PCS	ISO7089					PKT=200STK			
380	992103		NUT M 8 DIN985 A4								
79	4,000	PCS						PKT=1000STK			
390	965624		BOLT M 16X 30 DIN933 A4-70								
80	2,000	PCS	ISO4017					PKT=25STK			
400	991083		WASHER 17 DIN125 A4								
81	2,000	PCS	ISO7089					PKT=200STK			
410	288844		CONSOLE FOR ELECTRIC CABINET ASSY DRAW.								
90	1,000	PCS	UNDERCARRIAGE					288844-0 A3 SWX			
420	766519		CABLE PROTECTION PIPE 100X970								
95	2,000	PCS						766519-0 A4 SWX			
			ALU								
430	992686		BOLT M 6X 20 DIN933 A4-70								
96	2,000	PCS	ISO4017					PKT=500STK			
440	968731		WEDGE LOCK WASHER M 6								
97	2,000	PCS	6,5X13,5X 1,7								
			A4								
			IN PAIRS GLUED								
450	288847		WALKING SURFACE UNDERCARRIAGE ASSY DRAW.								
100	1,000	PCS	TRCM-H200					288847-0 A1 SWX			
460	263742		ENCOR MOUNTING 250 - RRM-H200								
105	1,000	PCS	CEH582M HOLE ENCODER					263742-0 A3 SWX			
470	752080		COVER UNDERCARRIAGE H-200								
115	1,000	PCS	3/630/780					752080-0 A4 SWX			
			ALMG3 F22 DIN1783								
			LASER-CUT								
480	990812		WASHER 8,4 DIN125 A4								
117	8,000	PCS	ISO7089					PKT=500STK			
490	752081		SPACER RING B 10/DI 11/DA 15								
118	4,000	PCS	FL0/FR0 NI					KBN592455			
			1.4404 EN10216-5								
500	752843		BEVELING PART L 3/90/160/150								
127	1,000	PCS						752843-0 A4 SWX			
			ALMG3 F22 DIN1783								
510	818476		BEVELING PART 5/45/60/235								
130	3,000	PCS						818476-0 A3 SWX			

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Item number 288840				Index 0				Designation 1: UNDERCARRIAGE ASSEMBLY DRAWING RAIL GAUGE 2000			
Drawing DIN No: 288840-0 A0 SWX				S 3		Designation 2: TRCM-H200				Valid label valid Work schedule no. ?191140	
Pos.	IdentNo		Designation 1				Length	Width			
Dr.pos	Quantity	Qty.	Designation 2				Drawing DIN No.				
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
			S235JR EN10025-2								
			LASER-CUT, HOT-DIP GALVANIZED EN ISO 1461								
520	818486		BEVELING PART U 5/40/70/40/2500								
131	1,000	PCS					818486-0 A4 SWX				
			S235JR EN10025-2								
			LASER-CUT/HOT-DIP GALVANIZED EN ISO 1461								
530	991075		BOLT M 10X 30 DIN933 A4-70								
132	9,000	PCS	ISO4017				PKT=200STK				
540	984209		PIPE CLAMP 40 A4								
140	12,000	PCS	RS 1.40/20-W5 DIN3016								
			1.4571								
550	984207		PIPE CLAMP 25 A4								
141	12,000	PCS	RS 1.25/20-W5 DIN3016								
			1.4571								
560	992678		BOLT M 8X 30 DIN933 A4-70								
150	22,000	PCS	ISO4017				PKT=200STK				
570	991072		BOLT M 8X 20 DIN933 A4-70								
151	8,000	PCS	ISO4017				PKT=500STK				
580	951053		WEDGE LOCK WASHER M 8								
152	44,000	PCS	8,6X16,6X 2,7								
			A4								
			IN PAIRS GLUED								
590	994422		NUT M 8 DIN934 A4								
153	18,000	PCS					PKT=1000STK				
600	980058		CONDUIT SALR 25				350,000 MM				
0	1,000	PCS	25,0/22,6/1,2				WKB-0				
			AL VE= 3M								
610	980058		CONDUIT SALR 25				150,000 MM				
0	2,000	PCS	25,0/22,6/1,2				WKB-0				
			AL VE= 3M								
620	980058		CONDUIT SALR 25				300,000 MM				
0	1,000	PCS	25,0/22,6/1,2				WKB-0				
			AL VE= 3M								
630	980058		CONDUIT SALR 25				450,000 MM				
0	1,000	PCS	25,0/22,6/1,2				WKB-0				
			AL VE= 3M								
640	980058		CONDUIT SALR 25				200,000 MM				
0	1,000	PCS	25,0/22,6/1,2				WKB-0				
			AL VE= 3M								
650	980060		CONDUIT SALR 40				300,000 MM				
0	4,000	PCS	40,0/37,6/1,2				WKB-0				
			AL VE= 3M								

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Item number 288840		Index 0	Designation 1: UNDERCARRIAGE ASSEMBLY DRAWING RAIL GAUGE 2000		Comp SMC	Weight 1.877,000
Drawing DIN No: 288840-0 A0 SWX		S 3	Designation 2: TRCM-H200		Valid label valid	Work schedule no. ?191140
Pos.	IdentNo	Designation 1			Length	Width
Dr.pos	Quantity	Qty.	Designation 2			Drawing DIN No.
			Material			
			Technical information (if available)			
			Fitting instruction (if available)			
660	980060		CONDUIT SALR 40			950,000 MM
0	2,000	PCS	40,0/37,6/1,2			WKB-0
			AL VE= 3M			
670	980060		CONDUIT SALR 40			700,000 MM
0	2,000	PCS	40,0/37,6/1,2			WKB-0
			AL VE= 3M			
680	938629		CONDUIT END CAP 25			
0	12,000	PCS	TYPE 129 TB M25 SW			
			PE BLACK			
690	938631		CONDUIT END CAP 40			
0	16,000	PCS	TYPE 129 TB M40 SW			VE=30 STK
			PE BLACK			
700	288877		ELECTRICAL TRCM UNDER CARRIAGE			
0	1,000	PCS	RRM-H200 ROCK FALLS			OZ

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Item number 288850			Index 0	Designation 1: GRIPPER RAKE ASSEMBLY DRAWING CW=2200				Comp SMC	Weight 365,000		
Drawing DIN No: 288850-0 A0 SWX			S 3	Designation 2: TRCM-H200				Valid label valid	Work schedule no. ?191150		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
10	288851		RAKE BOTTOM STEEL CONSTRUCTION PB=2200								
1	1,000	PCS	TRCM-H200					288851-0 A0 SWX 3 BL			
			HOT-DIP GALVANIZED EN ISO 1461								
20	780882		PIVOT PIN 50/320 NI								
5	2,000	PCS	2XM16					780882-0 A3 SWX			
			1.4418 QT900 EN10088-3 3.1								
30	982648		WASHER 50 DIN1440 A4								
6	4,000	PCS						VE=10STK			
40	003353		SUPPORT PLATE 1L 10/ 60 NI								
7	4,000	PCS	1X16,5					003353-F A4 SWX			
			1.4571 1D EN10088-2								
50	965624		BOLT M 16X 30 DIN933 A4-70								
8	4,000	PCS	ISO4017					PKT=25STK			
			AM=120Nm; Molykote P37								
60	752961		SHEET METAL RING 4X 50,5X 70 1.4301								
9	4,000	PCS	3.1					KBN592451			
			1.4301 1D EN10088-2 3.1								
70	762404		SCRAPER BAR 15/100/2200								
15	1,000	PCS						762404-0 A3 SWX			
			PA6								
80	762414		TERMINAL STRIP 15/60/2200								
16	1,000	PCS						762414-0 A3 SWX			
			S235JR EN10025-2								
			HOT-DIP GALVANIZED EN ISO 1461								
90	937854		BOLT M 12X 40 DIN7991 A4-70								
17	23,000	PCS									
			AM=50Nm; Molykote P37								
100	991082		WASHER 13 DIN125 A4								
18	23,000	PCS	ISO7089					PKT=200STK			
110	944118		NUT M 12 DIN439 A4								
19	23,000	PCS									
120	752960		RAKE GRIPPER IMPACT 10X75X85								
20	2,000	PCS						752960-0 A4 SWX			
			PA6								
130	994513		BOLT M 8X 16 DIN933 A4-70								
21	4,000	PCS	ISO4017					PKT=500STK			
140	990812		WASHER 8,4 DIN125 A4								
22	4,000	PCS	ISO7089					PKT=500STK			
150	750041		PERFORATED PLATE COVER 173/ 185/ 5 ST								
25	2,000	PCS	HOT-DIP GALVANIZED					750041-0 A4 SWX			
			S235JR EN10025-2								
160	992688		BOLT M 6X 30 DIN933 A4-70								
26	6,000	PCS	ISO4017					PKT=200STK			

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Item number 288850			Index 0	Designation 1: GRIPPER RAKE ASSEMBLY DRAWING CW=2200				Comp SMC	Weight 365,000		
Drawing DIN No: 288850-0 A0 SWX			S 3	Designation 2: TRCM-H200				Valid label valid	Work schedule no. ?191150		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
170	968731		WEDGE LOCK WASHER M 6								
27	12,000	PCS	6,5X13,5X 1,7								
			A4								
			IN PAIRS GLUED								
180	992696		NUT M 6 DIN934 A4								
28	6,000	PCS						PKT=1000STK			
190	288853		RAKE GRIPPER STEEL CONSTRUCTION PB=2200 LU								
34	1,000	PCS	TRCM-H200					288853-0 A1 SWX			
			HOT-DIP GALVANIZED EN ISO 1461								
200	288852		RAKE GRIPPER STEEL CONSTRUCTION PB=2200 RU								
35	1,000	PCS	TRCM-H200					OZ SP ZU 288853			
			HOT-DIP GALVANIZED EN ISO 1461								
210	780849		PIVOT PIN 30/70 NI								
36	4,000	PCS						780849-0 A4 SWX			
			1.4418 QT900 EN10088-3 3.1								
220	944709		COLLAR BUSHING 30X 40X 50X 20								
37	4,000	PCS	OILES / DRY RUNNING					KTL-B			
			500SP1 SL464								
230	056120		AXLE HOLDER 6/25/80 NI								
38	8,000	PCS	FOR AXIS ABOUT, VIA, ABOVE, OVER 25-40					056120-C A4 SWX			
			1.4301 1D EN10088-2								
			LASER CUT / TEMPERING COLORS REMOVED MECHANICALLY OR PICKLE								
240	991074		BOLT M 10X 20 DIN933 A4-70								
39	14,000	PCS	ISO4017					PKG=200STK			
250	949100		WEDGE LOCK WASHER M10								
40	24,000	PCS	10,7X21,0X 2,7								
			A4								
			IN PAIRS GLUED								
260	945163		HYDRAULIC CYLINDER DW 63/ 36/ 220								
44	2,000	PCS	HUB220 EBL455 250BAR					KTL-B DOKU			
			2XGA30								
270	780850		PIVOT PIN 30/84 NI								
45	2,000	PCS						780850-0 A4 SWX			
			1.4418 QT900 EN10088-3 3.1								
280	750034		SPACER RING B 5/DI 30,1/DA 60								
46	4,000	PCS	FL0,5/FR0,5 KU					KBN592455			
			PA6 DIN16773								
290	991772		BOLT M 10X 16 DIN933 A4-70								
48	8,000	PCS	ISO4017					PKT=200STK			
300	780842		PIVOT PIN 30/134 NI								
55	2,000	PCS						780842-0 A3 SWX			
			1.4418 QT900 EN10088-3 3.1								


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Item number 288850			Index 0	Designation 1: GRIPPER RAKE ASSEMBLY DRAWING CW=2200				Comp SMC	Weight 365,000		
Drawing DIN No: 288850-0 A0 SWX			S 3	Designation 2: TRCM-H200				Valid label valid	Work schedule no. ?191150		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
310	750037		SPACER RING B 30/DI 30,1/DA 60								
56	4,000	PCS	FL0,5/FR0,5 KU					KBN592455			
			PA6 DIN16773								
320	206339		COVER CYLINDER SP								
64	1,000	PCS	GRIPPER RAKE TRCM					OZ SP ZU 206338			
			ALMG3 F22 DIN1783								
330	206338		COVER CYLINDER WG								
65	1,000	PCS	GRIPPER RAKE TRCM					206338-0 A2 SWX			
			ALMG3 F22 DIN1783								
340	991075		BOLT M 10X 30 DIN933 A4-70								
67	2,000	PCS	ISO4017					PKT=200STK			
350	761841		SPACER RING B 17/DI 11/DA 15								
68	2,000	PCS	FL0/FR0 NI					KBN592455			
			1.4301 EN10088-3								
360	797648		COVER CAP H-TUBING WG								
70	1,000	PCS						797648-0 A3 SWX			
			S235JR EN10025-2								
			HOT-DIP GALVANIZED EN ISO 1461								
370	797649		COVER CAP H-TUBING SP								
71	1,000	PCS						OZ SP ZU 797648			
			S235JR EN10025-2								
			HOT-DIP GALVANIZED EN ISO 1461								
380	994422		NUT M 8 DIN934 A4								
72	10,000	PCS						PKT=1000STK			
390	951053		WEDGE LOCK WASHER M 8								
73	22,000	PCS	8,6X16,6X 2,7								
			A4								
			IN PAIRS GLUED								
400	992678		BOLT M 8X 30 DIN933 A4-70								
74	10,000	PCS	ISO4017					PKT=200STK			
410	991072		BOLT M 8X 20 DIN933 A4-70								
75	2,000	PCS	ISO4017					PKT=500STK			
420	206372		HYDRAULICS RAKE 2 CYLINDER								
0	1,000	PCS	RRM-H200					206372-0 A4 PC			

Creator: LF		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		1 of 3 19.12.2023 16:23:27	
Item number 288860			Index 0	Designation 1: BUILDING EQUIPMENT 23220-30				Comp SMC	Weight 3.300,000		
Drawing DIN No: 288860-0 A0 SWX 2BL			S 3	Designation 2: TRCM-H200 ROCK FALLS				Valid label valid	Work schedule no.		
Pos.	IdentNo		Designation 1					Length	Width		
Dr.pos	Quantity	Qty.	Designation 2					Drawing DIN No.			
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
10	944692		RAIL 60 E1 R260 EN13674-1					9936,000 MM			
1	2,000	PCS	TRACTION FOR 880-1030 N/MM2 + 45° E.					KTL-0			
			STEEL RM MIN880N/MM2								
20	944692		RAIL 60 E1 R260 EN13674-1					9936,000 MM			
2	2,000	PCS	TRACTION FOR 880-1030 N/MM2 + 45° E.					KTL-0			
			STEEL RM MIN880N/MM2								
30	743195		CLAMP PLATE FIX 40/280/340								
3	4,000	PCS	HOT-DIP GALVANIZED					743195-0 A3 SWX			
			S355J2 EN10025-2 3.1								
40	738457		CLAMP PLATE 30/200/280								
4	32,000	PCS	HOT-DIP GALVANIZED					738457-0 A3 SWX			
			S355J2 EN10025-2 3.1								
50	959728		HILTI HIT-RE 500 V4								
5	40,000	PCS	MORTAR CARTRIDGE FOR CRACKED CONCRETE					WKB-E			
			PROCURED LOCAL								
60	944021		THREADED BOLT AM 24X 480 DIN976 8.8								
6	84,000	PCS	TZN								
			HOT-DIP GALVANIZED EN ISO 1461								
			AM=200NM, MOS2; +4 Reserve								
70	738319		FLAME CUTTING 10/45/66								
7	80,000	PCS	LASER-CUT ZN					738319-0 A4 SWX			
			S235JR EN10025-2								
80	992600		WASHER 25 DIN125 PA6								
8	86,000	PCS	ISO7089								
			+6 Reserve								
90	938470		WASHER 25 DIN7349 300HV								
9	86,000	PCS									
			ZINC FLAKE COATING								
			+6 Reserve								
100	995765		NUT M 24 DIN934 8 TZN								
10	166,000	PCS						PKT=50STK			
			+6 Reserve								
110	738509		RAIL CLIP 60E1 / M20								
11	154,000	PCS	DROP-FORGED HOT-DIP GALVANIZING					738509-B A3 SWX			
			C45E EN10083-2								
			HOT-DIP GALVANIZED DIN EN ISO 1461								
			+2 Reserve								
120	956781		BOLT M 20X 80 DIN933 8.8 TZN								
12	166,000	PCS	ISO4017					VE=25STK			
			AM=290NM, MOS2; +6 Reserve								
130	938471		WASHER 21 DIN7349 300HV								
13	158,000	PCS									
			ZINC FLAKE COATING								

Creator: LF		Approved: YES		Variant: A		<b>Bill of material</b>		Page: Date: Time:		2 of 3 19.12.2023 16:23:27	
Item number 288860				Index 0				Designation 1: BUILDING EQUIPMENT 23220-30			
Drawing DIN No: 288860-0 A0 SWX 2BL				S 3		Designation 2: TRCM-H200 ROCK FALLS				Valid label valid Work schedule no.	
Pos.	IdentNo		Designation 1				Length	Width			
Dr.pos	Quantity	Qty.	Designation 2				Drawing DIN No.				
			Material								
			Technical information (if available)								
			Fitting instruction (if available)								
			+6 Reserve								
140	938476		WASHER 21 DIN125 300HV								
14	8,000	PCS	ISO7089								
			ZINC FLAKE COATING								
150	995820		NUT M 20 DIN934 8 TZN								
15	166,000	PCS									
			+6 Reserve								
160	746907		GROUNDING DEVICE FB								
16	4,000	PCS	RRM - 12X30X35 - M8				746907-0 A4 SWX				
			1.4301 1D EN10088-2								
170	981508		GROUNDING STRAP 50MM2X 450MM								
17	2,000	PCS	2xM8 CIRCULAR CONDUCTOR				KTL-D				
			COPPER TIN-LATED GE/GN								
180	994513		BOLT M 8X 16 DIN933 A4-70								
18	4,000	PCS	ISO4017				PKT=500STK				
190	947526		WEDGE LOCK WASHER M 8								
19	4,000	PCS	8,6X13,5X 2,7								
			A4								
			IN PAIRS GLUED								
200	763994		BEVELING PART L 20/270/410/275								
20	2,000	PCS					763994-0 A4 SWX				
			S355J2+N EN10025-2 3.1								
			HOT-DIP GALVANIZED EN ISO 1461								
210	945020		LINDAPTER AF M20 SHORT								
21	8,000	PCS	CAM HEIGHT 10				WKB-0				
			SPHEROIDAL GRAPHITE IRON FEUERVERZINKT								
220	279666		CONSOLE SWITCHING MAGNET ASSY DRAW.								
22	5,000	PCS	H=115 SCREW ANCHOR				279666-0 A3 SWX				
230	105057		MOUNTING CABLE GRIP								
23	1,000	PCS					105057-B A3 SWX				
			1.4301 1D EN10088-2								
			ANNEALING COLOURS MECHANICALLY REMOVED OR PICKLED								
240	990816		BOLT M 12X 70 DIN933 A4-70								
24	1,000	PCS	ISO4017				VE=50STK				
250	991082		WASHER 13 DIN125 A4								
25	2,000	PCS	ISO7089				PKT=200STK				
260	994511		NUT M 12 DIN985 A4								
26	1,000	PCS					PKT=200STK				
270	989624		IMPACT ANCHOR HKD-SR M10X40 A4								
27	2,000	PCS	ARTICLE NUMBER 247953				VE=50STK				
			WITH EXPANSION								
280	991075		BOLT M 10X 30 DIN933 A4-70								
28	2,000	PCS	ISO4017				PKT=200STK				



Creator: LF	Approved: YES	Variant: A	<b>Bill of material</b>		Page: Date: Time:	3 of 3 19.12.2023 16:23:27
Item number 288860		Index 0	Designation 1: BUILDING EQUIPMENT 23220-30		Comp SMC	Weight 3.300,000
Drawing DIN No: 288860-0 A0 SWX 2BL		S 3	Designation 2: TRCM-H200 ROCK FALLS		Valid label valid	Work schedule no.
Pos.	IdentNo	Designation 1			Length	Width
Dr.pos	Quantity	Qty.	Designation 2			Drawing DIN No.
			Material			
			Technical information (if available)			
			Fitting instruction (if available)			
290	949100		WEDGE LOCK WASHER M10			
29	2,000	PCS	10,7X21,0X 2,7			
			A4			
			IN PAIRS GLUED			
300	991072		BOLT M 8X 20 DIN933 A4-70			
30	4,000	PCS	ISO4017		PKT=500STK	
			GLUED WITH LOCTITE 243			
310	990812		WASHER 8,4 DIN125 A4			
31	4,000	PCS	ISO7089		PKT=500STK	
320	967772		IMPACT ANCHOR HKD-SR M 8X30 A4			
32	4,000	PCS	ARTICLE NUMBER 247952		VE=100STK	
			WITH EXPANSION			
330	288882		ELECTRICAL TRCM BUILDING			
0	1,000	PCS	RRM-H200 ROCK FALLS		OZ	

	<b>Quality Control and Inspection Plan – QCIP II</b> Prüfplan-Montage / inspection plan assembly	Auftragsnummer Project-No	Fabriksnummer Part-No	Idnr ID-No	Revision Revision	Künz GmbH / Gerbestrasse 15 / 6971 Hard / Austria	
		23214	.....	273469	0	Seite von Seiten Page of pages	1 / 1

<b>RRM ZUS MONTAGE / TRCM ASSEMBLY</b>								QM geprüft:
	REV. rev.	Datum date	Verantw. responsible	Beschreibung description				
	0	26.09.2022	Fohn	Erstausgabe				

		Schweißen Welding	HV-Schraubenverbindungen High Strength Bolts	Erfassung Seriennummer Recording Serial Number	Mechanische Einstellungen Mechanical Adjustments	Elektrische Einstellungen Electrical Adjustments	Korrosionsschutz Corrosion Protection
<b>Vorgaben</b> Specifications	Information information	/	/	/	/	/	/
	Anweisung instruction	/	FU 025	Auftragsbezogenes Dokument Seriennummern RRM Serial Numbers TRCM	Auftragsbezogenes Dokument Mechanische Einstellungen Mechanical Adjustments	Auftragsbezogenes Dokument Elektrische Einstellungen Electrical Adjustments	Auftragsbezogenes Dokument Korrosionsschutzblatt Corrosion Protection Ident Nr.:273413
	Protokolle bzw. Checklisten Protocol or Checklist	/	Formular 146026	Ident Nr.: 273402	Ident Nr.: 273402	/	Formular 071688
	Verantwortung Responsibility	/	MA	MA	MA	MA	MA
<b>Dokumentation</b> Documentation	Anzahl der Protokolle Number of protocols	/	/	/	/	/	/
	Bemerkung Comment	/	/	/	/	/	/
<b>Freigabe MA</b> Release MA	Stempel QC Stamp QC  Unterschrift QC Signature QC  Datum Date	/	/	/	/	/	/
<b>Freigabe C/T</b> Release C/T		/	/	/	/	/	/

Die Montage erfolgt auf Basis von Zeichnungen, Stücklisten, Schaltplänen und Montagehandbuch. In diesem QCIP sind die wesentlichen Aufgaben angeführt. Bei abweichenden Angaben gilt die Zeichnung!  
 Assembly is carried out according to drawings, parts lists, electrical diagram and installation manual. The main activities are listed in this QCIP. In case of deviating information the drawings are valid!

<b>Bemerkungen/Abkürzungen:</b> Remarks / abbreviations	Zuständigkeiten / responsibilities MA = Hersteller / Manufacturer C/T = Endkunde und/oder Abnahmebeauftragter des Kunden / Customer and/or Third Party (on behalf of the customer)	H = Haltepunkt, Freigabe für weitere Bearbeitung erforderlich / Holding point, release for further production required R = Überprüfen (Dokumente, Stichproben) / Review (documents, spot checks) M = Monitor
--	--	--

**CITY OF ROCK FALLS  
Certificate of Insurance Requirements**

All Contractors, manufacturers/distributors and suppliers shall be required to carry and evidence insurance coverage with a standard Accord Certificate of Insurance with minimum limits applicable as outlined below. These Tier amounts shall be decided and required by the Department Head using the knowledge of the potential risks associated with the project being bid.

1. Minimum Insurance Requirements and limits

**I. Low Hazard**

A. Commercial General Liability	\$1,000,000
B. Automobile Liability	\$1,000,000
C. Workers Compensation	\$1,000,000
D. City of Rock Falls named as "Additional Insured"	
E. 60 days' notice of cancellation	
F. Hold Harmless Agreement included in contract	
G. Umbrella Liability	\$1,000,000

**II. Medium Hazard**

A. Commercial General Liability	\$2,000,000
B. Automobile Liability	\$2,000,000
C. Workers Compensation	\$2,000,000
D. City of Rock Falls named as "Additional Insured"	
E. 60 days' notice of cancellation	
F. Hold Harmless Agreement included in contract	
G. Umbrella Liability	\$2,400,000

**III High Hazard**

A. Commercial General Liability	\$3,000,000
B. Automobile Liability	\$3,000,000
C. Workers Compensation	\$3,000,000
D. City of Rock Falls named as "Additional Insured"	
E. 60 days' notice of cancellation	
F. Hold Harmless Agreement included in contract	
G. Umbrella Liability	\$9,000,000

1. Cancellation or Alteration

The policies of insurance required by this exhibit shall provide that they cannot be cancelled or altered in any way changing coverage except after 30 days prior written notice by certified mail to owner.

2. Workers' Compensation and General Liability Waiver of Subrogation in favor of the City of Rock Falls.
3. Insurance Certificates
  - A. Must be submitted ten (10) days prior to any work being performed to allow review of certificates.
  - B. Certificates not meeting requirements must be revised and resubmitted within fifteen (15) days or the subcontractor will not be allowed on the jobsite.
4. Additional Insured and Broad Form Vendors' Liability in favor of the City of Rock Falls.

The City must be named as an Additional Insured with the following wording appearing on the Certificate of insurance: "The City of Rock Falls and all officials and employees of the City as to any and all projects, as an additional Insured for the Commercial General Liability as respects and all projects for any work being performed and this coverage will be primary and noncontributory."

5. Minimum Insurance Carrier

All contractors, manufacturers/distributors and suppliers' insurance carriers must comply with the minimum A.N. Best rating of A-VI for all insurance carriers.

## CITY OF ROCK FALLS CONTRACTOR REGISTRATION

**PLEASE NOTE THE FOLLOWING INFORMATION**

Along with this application you will need to provide a Certificate of Insurance and License Bond (\$15,000) as required by City Ordinance Sec. 6-79.

No permits will be issued until this fee has been paid for the year in which the work is being performed

This fee will be due on or before May 1<sup>st</sup> of each consecutive year.

Name of Business \_\_\_\_\_

Name of Owner \_\_\_\_\_

Name of Applicant (if not owner) \_\_\_\_\_

Business Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone# \_\_\_\_\_ Cell# \_\_\_\_\_

Website \_\_\_\_\_ E-mail \_\_\_\_\_

LICENSE# \_\_\_\_\_ Expires: \_\_\_\_\_

LICENSE# \_\_\_\_\_ Expires: \_\_\_\_\_

LICENSE# \_\_\_\_\_ Expires: \_\_\_\_\_

You <u>must</u> check ALL that apply:	Fee:
<input type="checkbox"/> General Contractor	\$50.00
<input type="checkbox"/> Electrical Contractor	\$50.00
<input type="checkbox"/> HVAC Contractor	\$50.00
<input type="checkbox"/> Drain Layers	\$50.00
<b>**\$50 fee for each type of contractor**</b>	

Method of Payment:

Cash/Check

Credit/Debit Card (**\$3.00 Processing Fee**)  
 (Visa) (MasterCard) (Discover)  
 Card # \_\_\_\_\_  
 Expiration Date \_\_\_\_\_  
 3-Digit # \_\_\_\_\_ (Back of Card)

**Check Your Trades:**

<input type="checkbox"/> Carpentry	<input type="checkbox"/> Garage Builders	<input type="checkbox"/> Fire Alarm
<input type="checkbox"/> Cabinetry	<input type="checkbox"/> Glass Installation	<input type="checkbox"/> HVAC
<input type="checkbox"/> Cleaning Restoration	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Insulation
<input type="checkbox"/> Crane Service	<input type="checkbox"/> Masonry	<input type="checkbox"/> Mechanical Piping
<input type="checkbox"/> Concrete	<input type="checkbox"/> Movers	<input type="checkbox"/> Roofing*
<input type="checkbox"/> Demolition	<input type="checkbox"/> Bricklayer	<input type="checkbox"/> Sign Installer
<input type="checkbox"/> Drain layers	<input type="checkbox"/> Siding/Exterior Wall	<input type="checkbox"/> Swimming Pool
<input type="checkbox"/> Drywall	<input type="checkbox"/> Steel Erector	<input type="checkbox"/> Utility Company
<input type="checkbox"/> Electric	<input type="checkbox"/> Cell Tower Erector	<input type="checkbox"/> Window Installer
<input type="checkbox"/> Elevator Lift*	<input type="checkbox"/> Lead Law*	<input type="checkbox"/> Refrigeration
<input type="checkbox"/> Environmental	<input type="checkbox"/> Water/Damp Proofing	<input type="checkbox"/> Garage Doors
<input type="checkbox"/> Fences	<input type="checkbox"/> Driveways	<input type="checkbox"/> Other
<input type="checkbox"/> Fireplaces	<input type="checkbox"/> Excavating	<input type="checkbox"/> Other
<input type="checkbox"/> Fire Sprinkler*	<input type="checkbox"/> Decks	<input type="checkbox"/> Sidewalks/Curb & Gutter

**\*Requires copy of IL State License**

If other than owner signing application, please provide Authorization Letter from Owner for APPLICANT(S) to sign application and/or permit.

This applicant/owner states on oath that he/she understands as a contractor for the City of Rock Falls, they will be responsible for ensuring that the work being done will be compliant with all City of Rock Falls adopted ordinances and all applicable building codes according to project work. It is further understood that failure to comply will result in forfeiture of this registration and all rights to perform work regulated by the Building Department.

Signature – Owner/Applicant \_\_\_\_\_

Date \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE STATEMENT**

The undersigned, upon being first duly sworn, hereby certifies to the City of Rock Falls, Whiteside County, Illinois, that \_\_\_\_\_(bidder) shall comply with all of the following established compliance standards.

1. Certificate of Compliance with Safety Standards
2. Certificate of Compliance that the above bidder is not currently delinquent in the payment of any tax administered by or owed to the Illinois Department of Revenue, or otherwise in default upon any such tax as defined under CH.65, Sec. 11-42.1-1, Illinois Compiled Statutes.
3. Certificate of Compliance that the above bidder complies with the Illinois Human Rights Act as amended by Section 2-105, Public Act 87-1257 in relation to employment and human rights.
4. Certificate of non-Disqualification certifying that the above named bidder is not barred from contracting with any unit of State or local government, as a result of a violation of Ch. 720, Sec. 33E-11 of the Illinois Compiled Statutes.

**NOTE TO BIDDER: Anyone who makes a false statement, material to this Certification, commits a Class 3 Felony under Illinois Compiled Statutes, Ch. 720, Sec. 33E-11 (b).**

5. Certificate of Compliance with Prevailing Wage Rate Act certifying that all work under this contract shall comply with the Prevailing Wage Rate Act of the State of Illinois, Illinois Compiled Statutes, Chapter 820, par. 130/31. et. seq., and as amended by Public Act 86-799 and 86-693 with rates to be paid in effect at time work is performed. Contractors shall submit certified payroll records to the Illinois Department of Labor database at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Prevailing-Wage-Portal.aspx>.

\_\_\_\_\_  
Name of Contractor

By: \_\_\_\_\_

State of Illinois )

)

County of \_\_\_\_\_ )

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public

### PREVAILING WAGE CERTIFICATION

Contractor –

Owner-- City of Rock Falls, Illinois

Contractor agrees that not less than the prevailing rate of wages, as found by the Department of Labor of the State of Illinois, shall be paid to all laborers, workers and mechanics performing work under the contract, and Contractor agrees that all subcontracts and lower tiered subcontracts shall contain a written stipulation that not less than the prevailing rate of wages shall be paid to all laborers, workers and mechanics performing work under such subcontract or lower tiered subcontract, all as determined by the Department of Labor of the State of Illinois.

Contractor also agrees that it shall:

1. Make and keep for a period of not less than three (3) years, records of all laborers, mechanics and other workers employed on the project, including each worker's name, address, telephone number when available, social security number, classification or classifications, hourly wages paid in each pay period, number of hours worked each day, and the starting and ending times of work each day; and
2. Certified payrolls shall be submitted to the Illinois Department of Labor database at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Prevailing-Wage-Portal.aspx>

At the time of request for each progress payment, Contractor shall deliver to Owner a contractor's affidavit listing all suppliers of labor and material, the work performed by each, the amounts paid to each to date, the amount due for work performed to date and a waiver of lien for any payments made to any such supplier signed by such supplier.

Contractor:

Owner:

City of Rock Falls, Illinois

By: \_\_\_\_\_

President

By: \_\_\_\_\_

Mayor