


Site Technical Query - Form

SN1809-0000/XE.FRM/0001 Rev 4 03/02/2021

TQ Number:		Project:	
CW2144960	-A010- 0069	Oyu Tolgoi Underground Project	
A. To be completed by or on behalf of the Contractor			
Contractor/Sub-Contractor Name:	MCS International	Date Response	27/02/2022
Contract Title:	Booster Fan installations	Plant Area &	1833
Contract No.	CW2144960	Contractor TQ Number:	BF-0415-TQ-0069
Discipline Codes (Mandatory) D1 (CSA) - <input type="checkbox"/> D2 (MP) - <input checked="" type="checkbox"/> D3 (E&I) - <input type="checkbox"/> D4 (Other) - <input type="checkbox"/>			
<i>Description of Technical Query (List affected drawings and specifications):</i> 1833B Fan area : Monorail hoist clashed with target plate rock bolt The monorail hoist installed on the monorail beam is clashing with monorail target plate rock bolt. Refer to the attached field photos.			
<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Urgent Refer Technical Query instructions			
<i>Proposed Action (List all attachments)</i> The contractor is proposed the following option. 1. To demolish the shotcrete top of target plate and target plate grout. Also, to push the target plate. (in page 4)			
Effect on cost (USD):	YES		
Effect on schedule (Days):	YES		
Effect on quality:	NO		
Requested by (Name):	Delgersuren.N	Position:	SMP Engineer
Signature:		Date: (dd/mm/yyyy)	24/02/2022

B. To be completed by Jacobs Field Engineer

Comments/recommendations by Engineering

Proposal is acceptable subject to following comments:

- Demolish existing grout completely and chip shotcrete surface to create a room for additional vertical L20 as required;
- Push target plate as much as possible within angle tolerance as specified in standard drawings;
- Re-grout target plate and pre-tension rock bolts. Cut projection of rock bolts maintaining minimum 3 threads beyond the nut after completion of works.
- Note that the chipping of the shotcrete is to be made subject to inspection and agreement by OT Geotechnical engineer.

Disclaimer:

Acceptance or rejection of this TQ is only related with technical aspects.

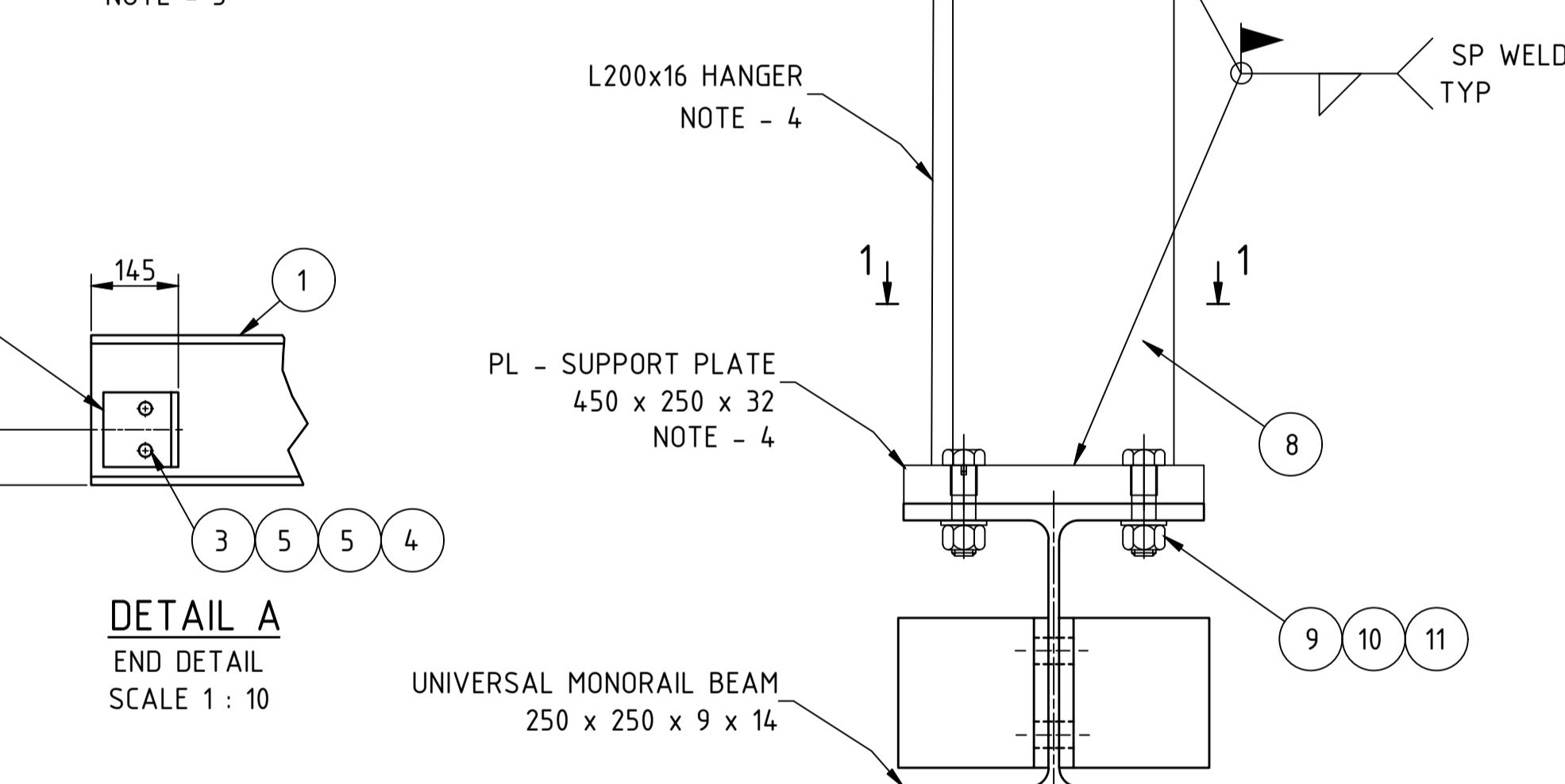
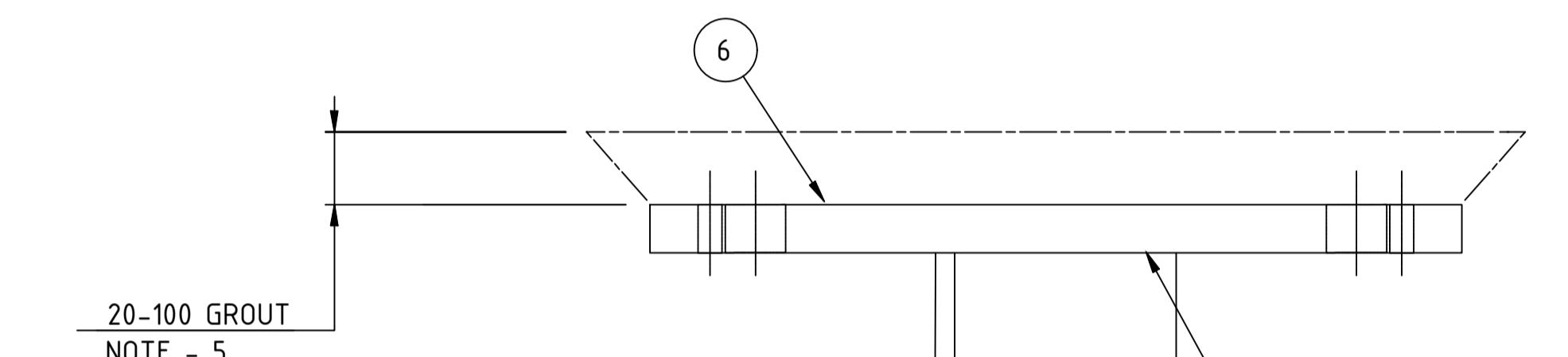
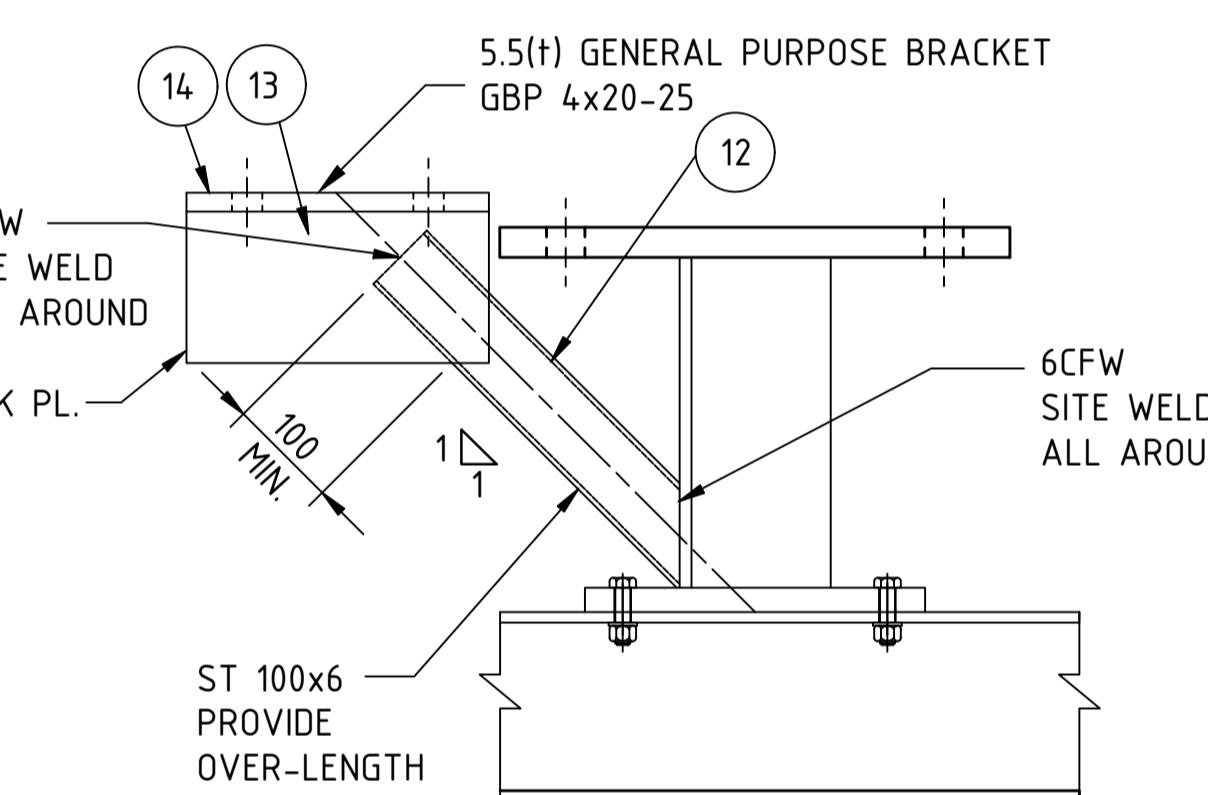
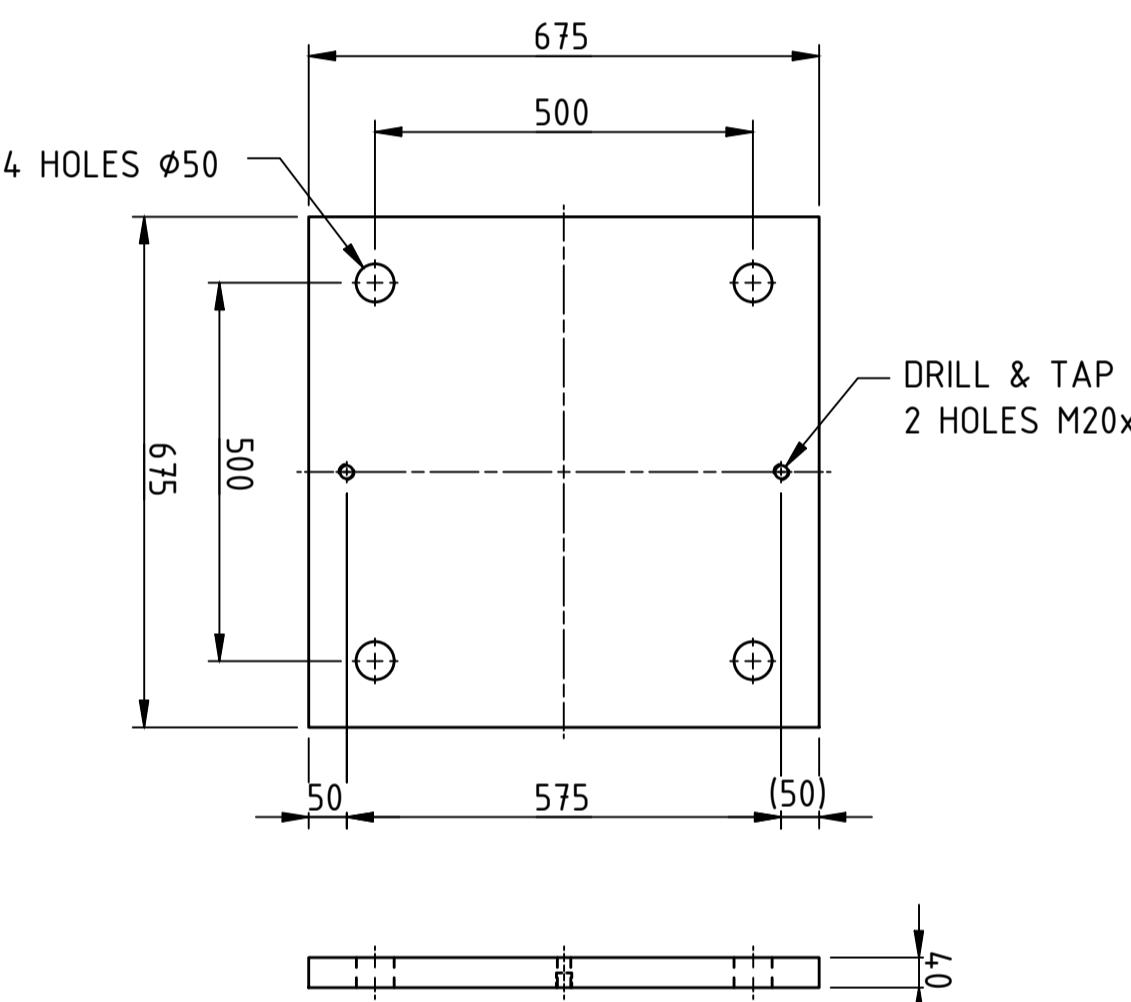
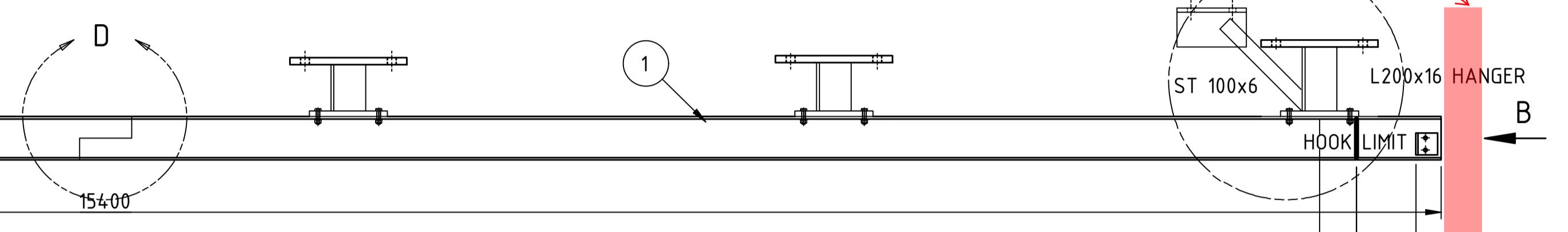
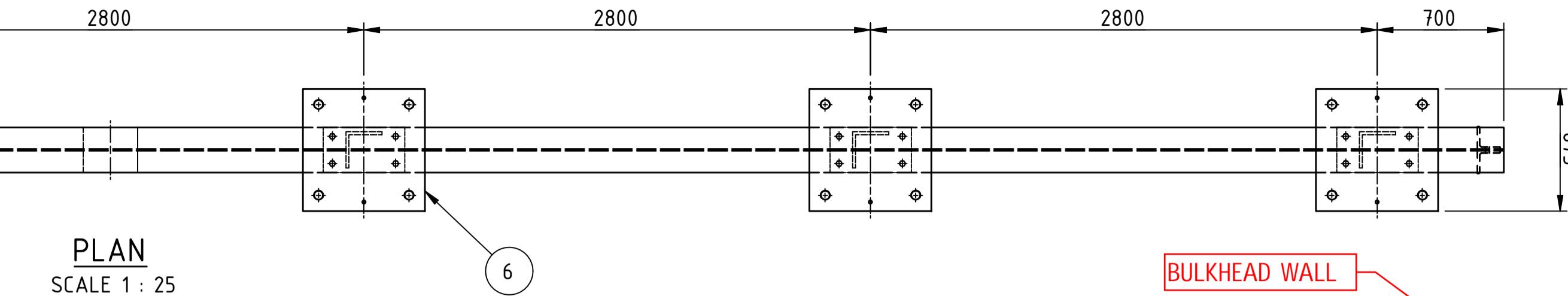
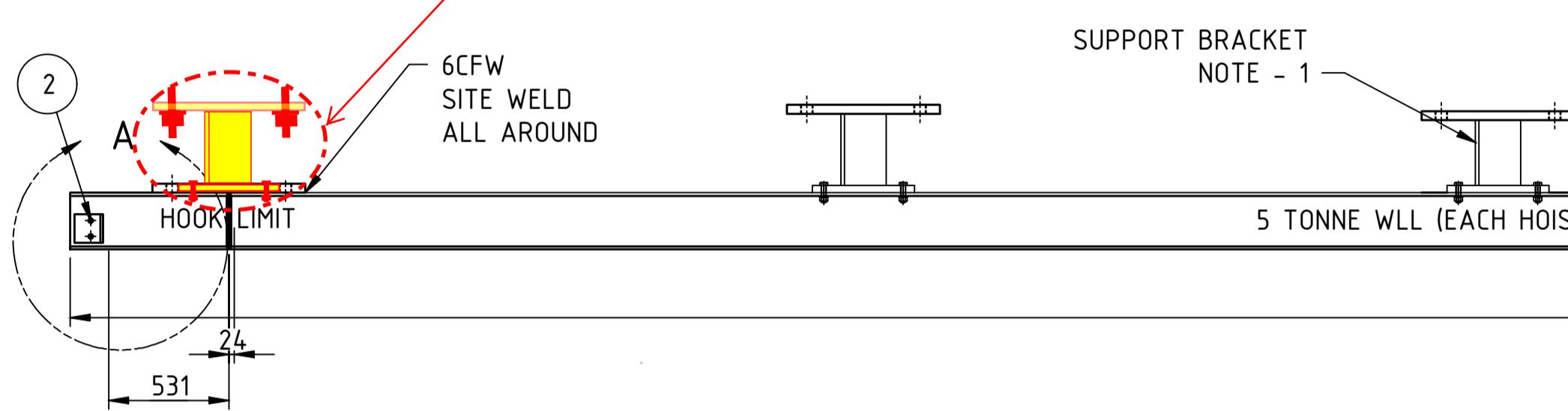
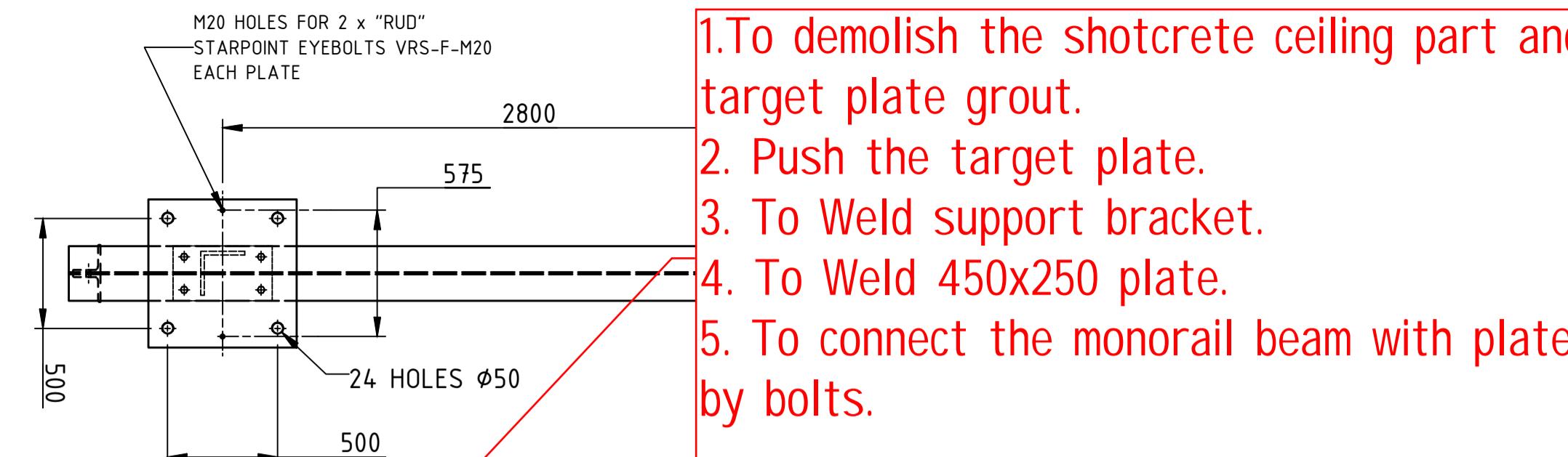
If Cost or Schedule Impact are associated with this TQ, it must be discussed separately with Jacobs Contract team.

C. Engineering Decision		D. Information		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accept with comments	Reject	Design Change Distribute to: Design Author DA	Cost Impact Distribute to: Contracts, Proj. Controls & Construction Manager	Schedule Impact Distribute to: Proj. Controls & Construction Manager

REVIEWER		APPROVER		CONSTRUCTION MANAGER	
Field Engineer OR Lead Engineer		Lead Engineer OR Chief of Engineering		(If Cost and/or Schedule Impact)	
Date: (dd/mm/yyyy)		Date: (dd/mm/yyyy)		Date: (dd/mm/yyyy)	

Copyright 2016 by Jacobs Engineering Group Inc.

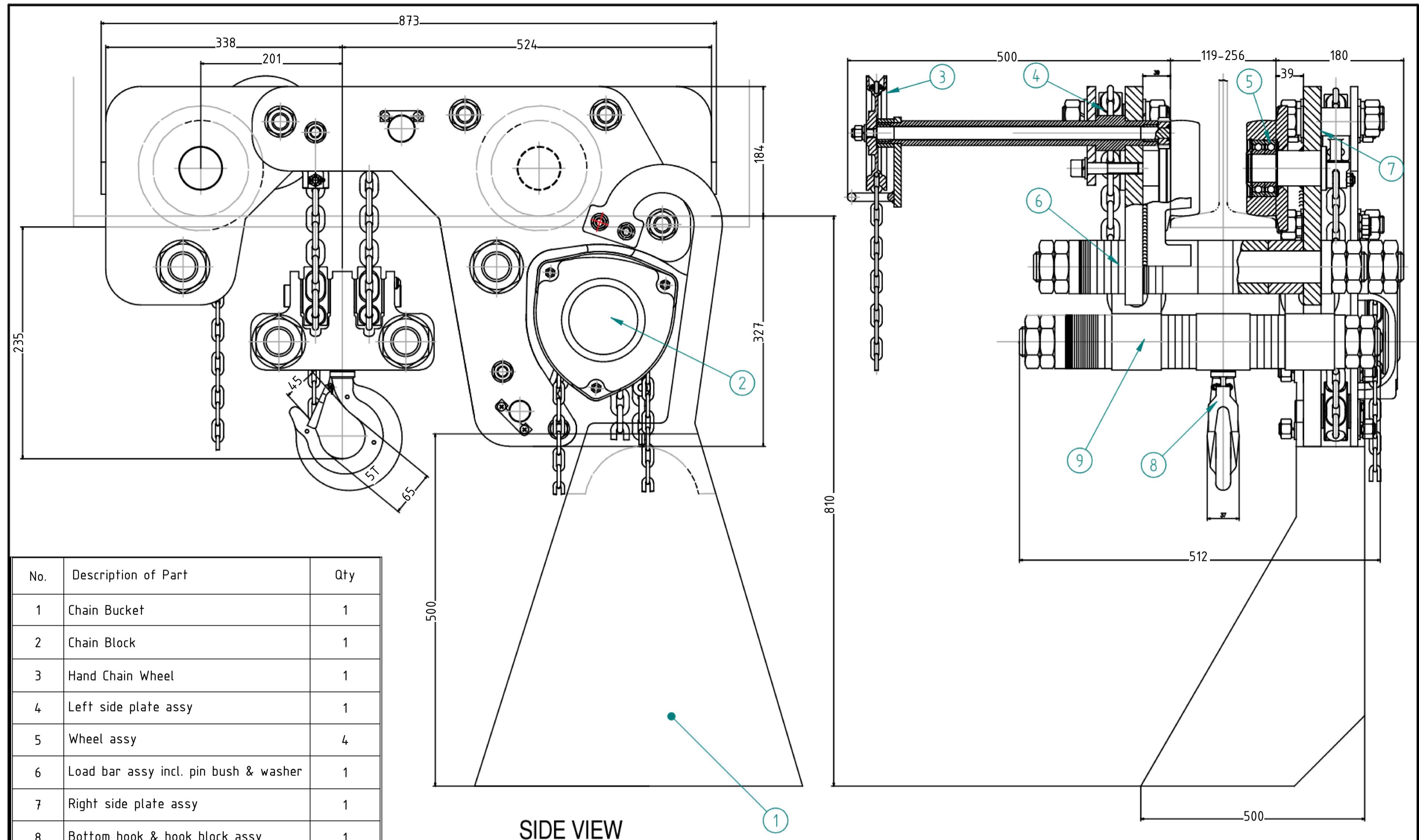
1. To demolish the shotcrete ceiling part and target plate grout.
2. Push the target plate.
3. To Weld support bracket.
4. To Weld 450x250 plate.
5. To connect the monorail beam with plate by bolts.



DETAIL A
END DETAIL
SCALE 1 : 10

1

1 2 3 4 5 6 7 8 9 10 11 12



No.	Description of Part	Qty
1	Chain Bucket	1
2	Chain Block	1
3	Hand Chain Wheel	1
4	Left side plate assy	1
5	Wheel assy	4
6	Load bar assy incl. pin bush & washer	1
7	Right side plate assy	1
8	Bottom hook & hook block assy	1
9	Frame assy.	2

SIDE VIEW

END VIEW

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
2	PARTS LIST ADDED	8/05/2020	Jason MacDowell

DRAWN	NAME	DATE	ACE	
b davies		06/08/20	MATERIALS HANDLING	
CHECKED				
ENG APPR			TITLE HOWDEN	
MGR APPR			EXTRA LOW HEADROOM HOIST INSTALLATION HOIST GENERAL ARRANGEMENT	
			SIZE A3	DWG NO 24845 REV 2
			FILE NAME: 24845-2.dft	
			SCALE: NTS	WEIGHT: kg
			SHEET 1 OF 1	

CM HOIST SPECIFICATIONS

- Supplier "ACE Materials Handling"
- Model EMCBT5A
- Manufacturer "JDN" (J.D. Neuhaus)
- Rated Capacity 5 Tonnes
- Lifting Height 8 mtrs
- Fitted with overload limiting device
- Headroom 235mm
- Load Chain Galvanized 8x24mm
- Fitted with a chain bucket
- Trolley Geared Trolley with 500mm extension shaft
- Hand Chain Galvanized 5mm, 8m chain length
- Beam Width 119mm- 256mm
- Designed and built to Australian Standards 1418.2

JACOBS	Contractor/Supplier/Vendor Technical Document and Drawing Review for SN1809A0 - OT Underground Project	
<input type="checkbox"/>	1	Reviewed with No Comments. (Construction/Fabrication may proceed)
<input type="checkbox"/>	2	Reviewed with Minor Comments. Revise and resubmit "Final Version" incorporating comments. (Construction/Fabrication may proceed thereafter)
<input type="checkbox"/>	3	Rejected with Major Comments. Correct and resubmit "For Review" incorporating comments. (DO NOT PROCEED with Construction or Fabrication)
<input type="checkbox"/>	4	Not Reviewed - Received For Information Only. No further submission is required.
<input checked="" type="checkbox"/>	5	Received Certified/Equipment Package Vendor Document. Received As Built - Contractor Document.
<input type="checkbox"/>	6	Cancelled.
<input type="checkbox"/>		Submit Certified Document.
YES	NO	Name _____ Signature _____ Date _____
Responsible Engineer		
Equipment Tag No.		
Client Document No.	1690-55-L4-1544	
Jacobs Document No. and Revision	CW2100223-1690-B091-0014_R4	
AUTHORISATION TO PROCEED DOES NOT RELIEVE THE VENDOR/CONTRACTOR OF ANY RESPONSIBILITY/OBLIGATION OR LIABILITY UNDER THE PURCHASE ORDER/CONTRACT. NO RESPONSIBILITY IS ASSUMED BY JACOBS FOR CORRECTNESS OF DIMENSIONS OR DETAILS. SHOP DRAWINGS ARE ACCEPTED AS FOR INFORMATION ONLY (NOT REVIEWED). VENDOR/CONTRACTOR IS FULLY RESPONSIBLE FOR SHOP DRAWINGS.		

Howden

L000916-2505

JACOBS NO: CW2100223-1690-B091-0014

0 YU TOLGOI UNDERGROUND PROJECT
5 TONNE
LIFTING EQUIPMENT
ULTRA LOW HEIGHT HOIST

REV	DATE	REVISION DESCRIPTION		DES ECHK	APPROVED	REV	DATE	REVISION DESCRIPTION		DES ECHK	APPROVED	REFERENCE DRAWING No	REFERENCE DRAWINGS	 Oyu Tolgoi LLC ОЮУ ТОЛГОЙ ХХК <small>Disclaimer: Drawings, plans, models, design or any other information displayed, contained in, made available or disclosed in or by this document for the part or attachment(s) is owned by Oyu Tolgoi LLC and may be a proprietary of Oyu Tolgoi LLC and hence they are for the internal use of Oyu Tolgoi LLC only. Making a copy or reproduction thereof in any form or giving an access or possession of them to any other person or entity without the express written consent of Oyu Tolgoi LLC is illegal and will be subject to legal action and/or attempted or attempted of these terms and prohibitions shall be subject legal liabilities and Oyu Tolgoi LLC reserves its rights and entitlements to all available legal remedies.</small>	PRODUCED BY ACE	DESIGNED BY ACE	DRAWN BY MEH
														PROJECT NO L000916	CHECK DESIGN ACE	CHECK DRAWING JSM	
														CONTRACT NO L000916	LEAD ENGINEER JSM	APPROVAL DATE 14.01.21	
														DRAWING SIZE A1	AREA PROJECT ENG TR	ENGINEERING MANAGER DS	
1	2	REVISION DESCRIPTION		DES ECHK	APPROVED	REV	DATE	REVISION DESCRIPTION		DES ECHK	APPROVED	REFERENCE DRAWING No	REFERENCE DRAWINGS	PRODUCED BY ACE	DESIGNED BY ACE	DRAWN BY MEH	
														PROJECT NO L000916	CHECK DESIGN ACE	CHECK DRAWING JSM	
														CONTRACT NO L000916	LEAD ENGINEER JSM	APPROVAL DATE 14.01.21	
														DRAWING SIZE A1	AREA PROJECT ENG TR	ENGINEERING MANAGER DS	