

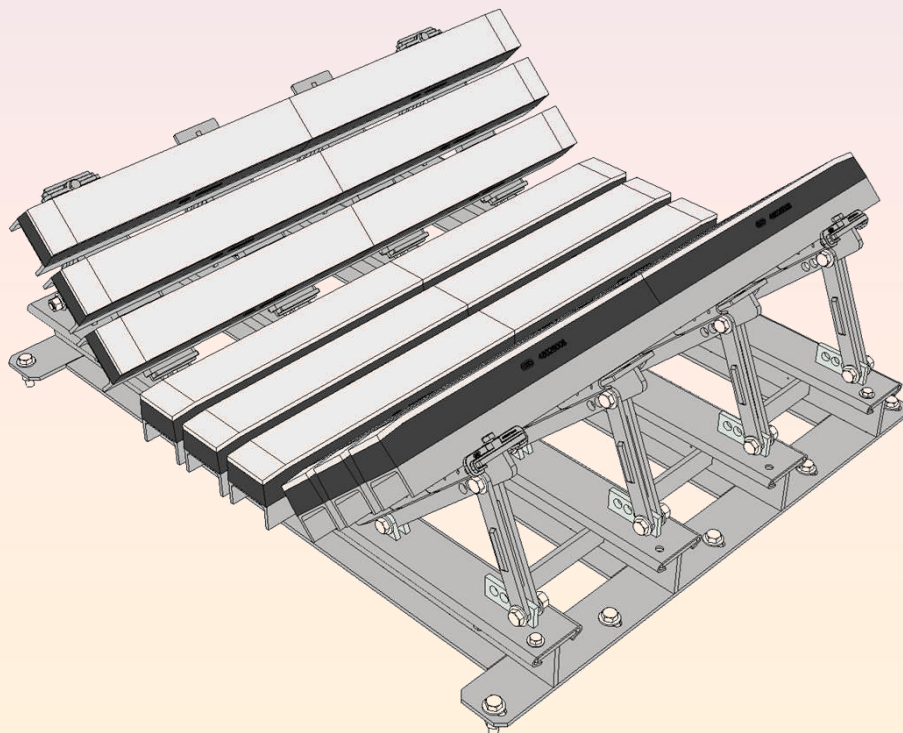


ENGINEERING SERVICES & SUPPLIES PTY LTD

Ph: 1800 074 446 www.esseng.com.au

GAB Impact Cradle

Installation, Operation & Maintenance Manual





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<p>TOLL FREE 1800 074 446 FROM ANYWHERE IN AUSTRALIA VSS TOLL FREE 1800 300 877</p>		



WARRANTY

ESS WARRANTS the **GAB Impact Cradle** to be free of defects both in materials and workmanship for a period of 12 months from the date of despatch of the product from the **ESS** factory. The warranty given by **ESS** in this regard will extend only to replacing or repairing product shown to be defective.

The warranty also is subject to the following restrictions:

- (a) Installation of the product contrary to the instructions contained in the supplied manual will void such warranty absolutely;
- (b) The warranty will not extend to any liability for injuries incurred and which result from the use of the product contrary to the instructions in the manual;
- (c) Save as prescribed by law, **ESS** will not be liable for any damage sustained by a purchaser or a third party by way of consequential loss arising out of defects in the product.

You are asked to note that **ESS** offers purchasers a service whereby either:

- (a) It will install the product and certify the correctness of such installation, or
- (b) Certify the correctness or otherwise of the installation of the product by third parties.

This certification service is designed to ensure that you obtain the full benefit of the **ESS** warranty hereby provided. If you would like to take advantage of the installation certification service provided, please contact **ESS** regarding the service.

Refer to the Final Checklist at the back of this manual.

Visit the **ESS** website www.esseng.com.au to register your product warranty.

THE CONTENTS OF THIS MANUAL ARE COPYRIGHT TO:

ESS ENGINEERING SERVICES AND SUPPLIES PTY LTD

ALL RIGHTS RESERVED

Information contained herein is for use in the operation of the **GAB Impact Cradle**, purchased from **ESS** and cannot be passed on to any other party without express permission, in writing, from **ESS**.



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3. SAFETY

The **ESS** GAB Impact Cradle is designed to be quickly and easily serviced by appropriate personnel.

Under no circumstances should servicing or installation of the cleaner be carried out whilst the belt is in operation.

The conveyor must be shut down and locked out before any person enters or reaches into the conveyor enclosure.

Ensure that only suitably qualified and trained personnel install and service this product. Ensure that all site and statutory safety procedures are followed.



1.1 SAFETY LABELS

Pictograph labels are used to show graphically where potential safety hazards exist around this product. These labels do not represent every possible hazard. They are not intended to be a substitute for safe work practices and good judgment. These labels and *ESS* technical manuals use specific words to identify the severity of the hazard. They are described below. Take time to read and understand the meaning of these words and symbols.



Danger labels call attention to imminently hazardous situations that will result in serious personal injury or death if not avoided. Injury from these hazards is immediate in nature and has a high probability of resulting in a serious or fatal accident if proper precautions are not followed.



Warning labels call attention to potentially hazardous situations that could result in serious personal injury or death if not avoided. Injury from these hazards is usually serious in nature, and a severe or fatal accident can occur if proper precautions are not followed.

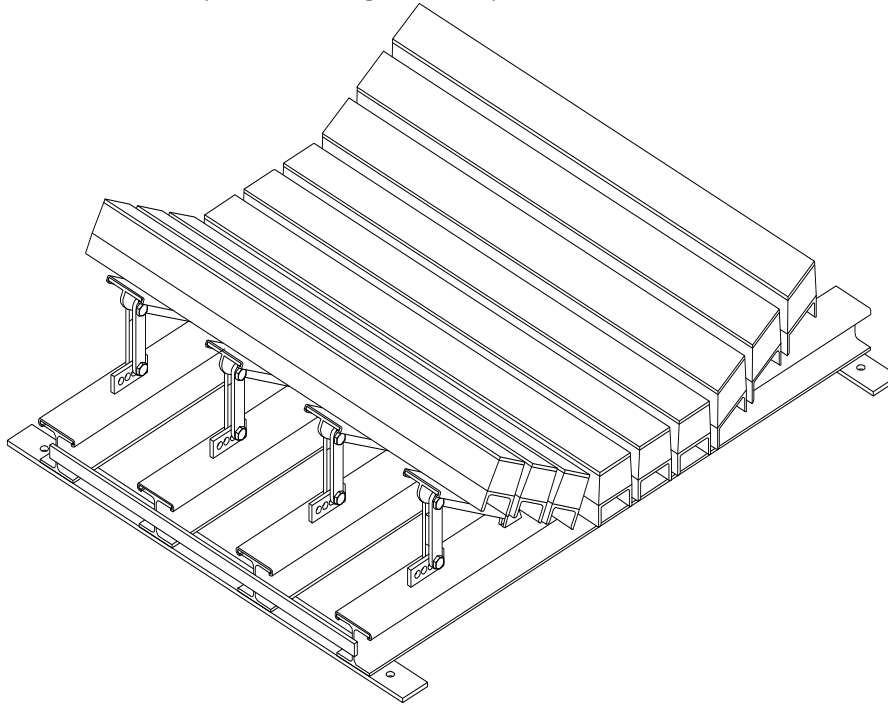


Caution labels call attention to potentially hazardous situations that may result in minor or moderate personal injury if not avoided. Injury from these hazards is normally less serious than those from Danger or Warning hazards. However, there is still the potential for an accident resulting in serious injury if proper precautions are not followed.



2.0 INTRODUCTION

The **ESS** GAB Impact Cradle consists of an adjustable steel frame, fitted with impact absorbing rubber bars that are designed to be easily removed without the necessity of pulling out the cradle frame from the conveyor. The bars have a low friction UHMW-Polyethylene top wear surface. The cradle is fabricated to conform exactly to the troughed belt profile.



The **ESS** GAB Impact Cradle is designed to replace conventional impact idlers in the load zone of a conveyor.

Under heavy impact loading the GAB bars will easily outlast standard impact idlers, absorb shock loads and increase belt life by reducing material piercing.

In addition to these benefits the GAB impact bars are able to hold the belt flat under the skirting thereby virtually eliminating material spillage.

To achieve these results however, the **ESS** GAB Impact Cradle must be installed in the correct manner. Clearances and adjustments which are specified later are essential to the performance of the cradle. The cradles have been designed and manufactured to simply bolt into place on the conveyor stringers and achieve these clearances from a set of dimensions supplied by the client. The clearances should however be checked at installation to ensure that no fabrication error or design errors have resulted in incorrect installation position of the cradle.



3.0 INSTALLATION

3.1 HANDLING AND STORAGE INSTRUCTIONS

The **ESS** GAB Impact Cradle is a sturdy and robust assembly. It is unlikely to be damaged during normal transport and handling procedures. Each Impact Cradle assembly is despatched individually and is suitable for forklift handling. Average weight, depending on belt width, is of the order of 300-500kg per assembly. The units are suitable for outdoor storage on site.

3.2 INSTALLATION PROCEDURE

1. Determine approximate installation position for each impact cradle on the conveyor and place the appropriate cradles adjacent to the installation area by use of a forklift, crane etc.
2. Before commencing installation or any work around the conveyor belt ensure that the belt is isolated and tagged.
3. The **ESS** Impact Cradle is intended to be installed between impact idler troughing assemblies. Multiple impact cradles will have an impact idler trough assembly between each successive cradle. Ensure that impact idler assemblies are either already installed or available at the installation site. If the idlers are already installed check that sufficient clearance is available between successive sets of rollers to fit an impact cradle. Standard impact cradles are 1200mm long and require 25mm clearance at each end between cradle bar and roller.

Non standard cradles of 1400mm and 1500mm are also available.

4. Assemble the necessary tools and safety equipment required for the job.

NOTE BEFORE PROCEEDING WITH INSTALLATION, ENSURE THAT THE CONVEYOR BELT DRIVE IS FULLY ISOLATED AND LOCKED OUT.

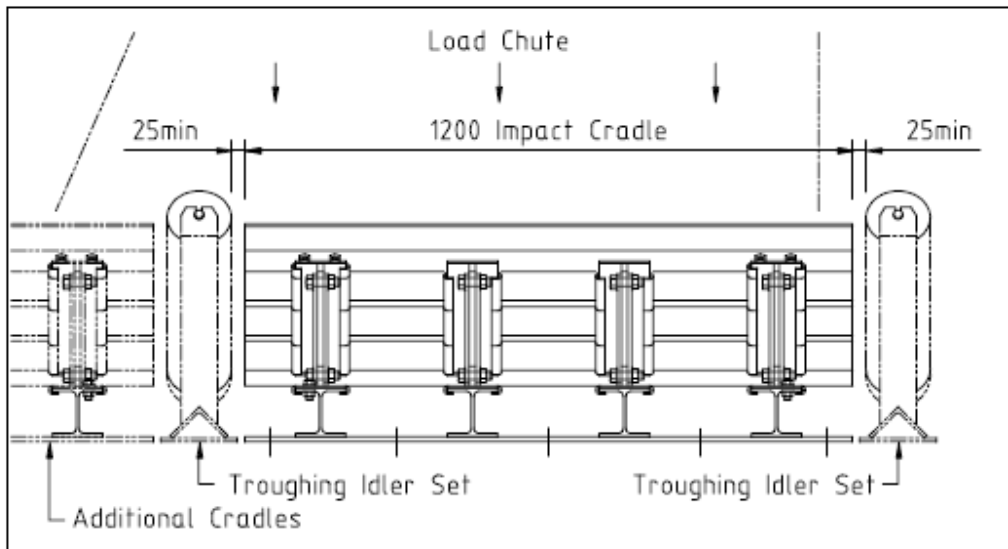


Figure 1 - GAB Impact Cradle Layout

5. Determine the installation position for the impact cradle/s. The impact cradle/s should be installed to cover the entire direct load area of the conveyor belt. For a short load zone this may mean one cradle and for longer load zones multiple cradles may be used. Having determined the position of the first impact cradle, disassemble one cradle for installation. This involves removal of the wing locks (two per side) and sliding off the wing bars from both sides. After this is done the four wing support assemblies can be slid from either side of the cradle. The centre bars can then be slid from the cradle base. Insert the cradle base onto the conveyor stringers in the appropriate position and align with stringers. Ensure that the base is centred and squared to the stringers and clamp into position.

NOTE If the conveyor belt is not already in place, the cradle can be lifted complete into position and installed without disassembly. This would require crane or fork handling.

6. Slide the centre bars onto the base frame and centre them on the base.
7. If not already in position, install an impact idler set either side of the impact cradle base ensuring that 25mm clearance will be available at both ends of the centre impact bars (Fig 1).
8. Using a string line or straight edge ensure that the top of the centre bars is approximately 20mm below the top of the centre rollers of the impact idler frame (Fig 2).

If this dimension is not approximately 20mm, packing of either the impact cradle base or the impact idler frames may be necessary to achieve this 20mm clearance. Once this clearance is achieved drill bolt holes in the stringers at appropriate position and bolt the cradle base in place. Alternatively, weld in place.

NOTE Accelerated bar wear will result from insufficient clearance. Belt damage may result from an excessive clearance - due to lack of belt support.

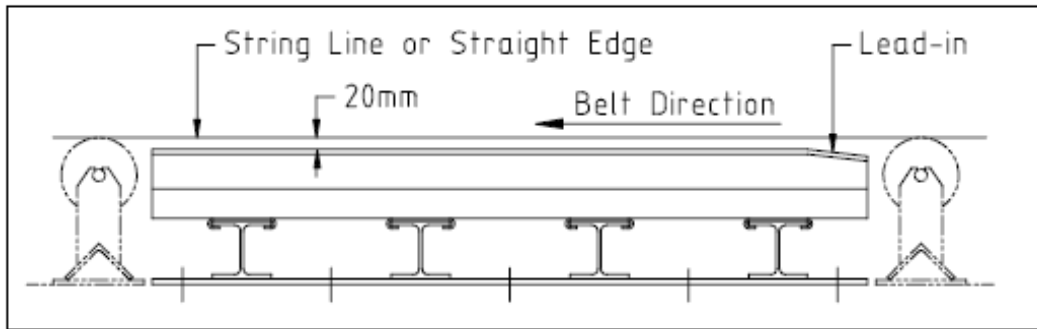


Figure 2 - Cradle Positioning

9. Re-assemble the cradle in reverse order of disassembly. The wing bars, that is the troughing bars, should also be approximately 20mm away from the troughing idler line (Fig 3).

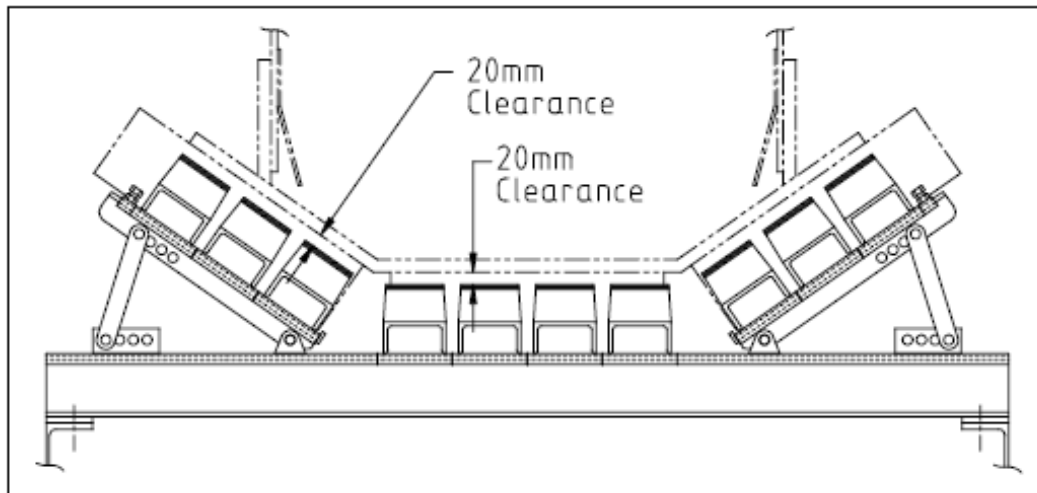


Figure 3 - Cradle Setup Clearances



3.3 FINAL ADJUSTMENT

- Using the multiple hole adjustment, adjust the wing support arms so that the outer bar is brought up to be in line with the troughing idler rollers (Fig 4).

Care should be taken to ensure that the outer bar is as close as possible to the roller line. If the bar is too high, accelerated wear will result. If the bar is too low, the belt may sag, resulting in material spillage.

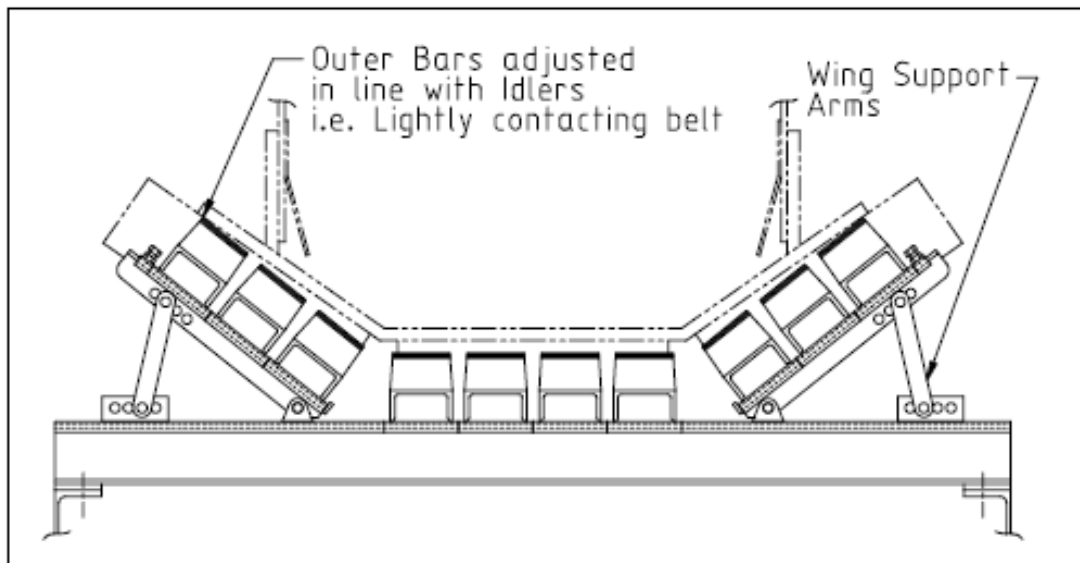


Figure 4 - Wing Adjustment

- Repeat the above procedure for all subsequent cradles.

NOTE: IF YOU HAVE ANY PROBLEMS, OR ARE UNCLEAR ON ANY INSTALLATION STEP, CONTACT ESS ON OUR CUSTOMER SERVICE NUMBER 1800 074446.

- Remove danger tags and return conveyor to service, following plant procedures.



4.0 COMMISSIONING

No special commissioning procedures are required for GAB impact cradles. Provided the cradles are installed as per the drawing and instructions, then operational attention should not be required.

4.1 A NOTE ON SAFETY

No additional safety hazards are present with GAB Impact Cradles other than normal conveyor belt dangers.

In particular:

- Beware of moving conveyor belts.
- Beware of pinch points
- Do not attempt to install, maintain or disassemble any part of a conveyor belt without first isolating and tagging the conveyor drive.



5.0 OPERATOR TRAINING

5.1 SERVICING

- Recommended dismantle & Hose down and reassemble every 6 months
- There are no operator serviceable or adjustable functions on an **ESS** GAB Impact Cradle.
- No in-service procedures need to be followed, other than normal conveyor belt operating procedures.

5.2 SAFETY

As mentioned in Section 4, no additional safety hazards exist with an **ESS** GAB Impact Cradle, other than normal conveyor belt dangers.

Do not attempt to perform any job on or around a moving conveyor belt - isolate and tag the belt first.

5.3 PROBLEMS

The operator, during routine conveyor inspections, should be alert to the following problem indicators:

- Smoke or burning rubber smell - the belt should be stopped immediately, and the problem located. It is far more likely to be a seized impact idler or a skirting problem, but could possibly indicate an impact cradle fault.
- Leakage of material from skirts at load zone - this should be notified to the appropriate maintenance personnel for attention at the earliest plant stoppage. It may mean that skirting requires attention, and/or that the impact cradle wings require adjustment.



6.0 ROUTINE MAINTENANCE AND SERVICING

6.1 SAFETY

Before attempting any maintenance on or around a conveyor belt, ensure that the belt drive is isolated and tagged.

6.2 GENERAL

The **ESS** GAB Impact Cradle requires virtually no maintenance to operate under extreme conditions for thousands of hours. However, to achieve the best bar life and avoid the need for unscheduled bar change-outs, the following maintenance practices should be adopted.

6.3 ROUTINE MAINTENANCE

The cradles should be disassembled (*Cradle Disassembly Procedure*) and inspected for bar wear after one month of operation, and again after three months.

Subsequent inspection frequency can be determined after the wear rate is assessed at these initial inspections. The UHMW-Polyethylene top cover of the bar is 8mm thick. The bars should be scheduled for change out when the top cover thickness reaches 2mm.

TIP During inspection, higher wear areas may be identified on some bars, or sections of bars. This is caused by uneven belt loading in the transfer point. Longer overall bar life may be achieved by noting the position of the bars at disassembly, and rotating the bars to a different position on re-assembly, much like rotating the tyres on a car.

6.4 NON-ROUTINE MAINTENANCE (TROUBLE-SHOOTING)

If the routine maintenance and scheduled bar change-outs are performed as per *Routine Maintenance*, non routine maintenance should be virtually non-existent. However the following situations are possible.



SYMPTOM	POSSIBLE CAUSE	REMEDY
Smoke or burning rubber smell.	1. Siezed idler. 2. Overadjusted or damaged skirting. 3. Worn out impact bar.	4. Replace idler 5. Replace or adjust skirting rubber. 6. Disassemble impact cradle and replace bars. If bar life is short or wear is uneven, contact <i>ESS</i> .
Material spillage under skirts.	1. Skirting rubber not adjusted or failed. 2. Impact cradle wings not adjusted up to belt.	3. Adjust or replace skirting. 4. Adjust the cradle wings.

6.5 CRADLE DISASSEMBLY PROCEDURE

The disassembly of an *ESS* GAB Impact Cradle is a simple process.

1. Remove the slide locks from the outer wing bars (two per side).
2. Remove the securing bolt and nuts holding the wing assembly to the base (two per side).
3. Slide the entire wing assembly out from the belt about 50mm.
4. Slide the individual wing bars from the wing assemblies. Note the bar positions by numbering (with a marking pen or chalk).
5. Slide the wing frame assemblies from the base (four per side).
6. Repeat for the other side.
7. Slide the centre bars of the base (again noting the positions).
8. Inspect the bars for wear or damage. If severe or unusual wear is noted, contact *ESS* on **1800 074446** for advice.

6.6 CRADLE RE-ASSEMBLY

Re-assemble the cradle in reverse order of disassembly, paying attention to the following:

- If new bars are being fitted, or if existing bar wear is negligible, refit the bars in any order.
- If wear spots are evident on certain bars, rotate or rearrange bars on re-assembly to maximise total bar life.



7.0 INSTALLATION ARRANGEMENT DRAWING

1. F0007 GAB GENERAL ARRANGEMENT

F0007

DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED. REMOVE ALL BURRS AND SHARP CORNERS

ESS2000 SKIRTING (OPTIONAL)
ESS2000 LAY-IN SKIRTING (OPTIONAL)
SUPPORT ARM LENGTH VARIES WITH CONVEYOR TROUGH AND WIDTH
100UC MAIN BEAMS (4 PLACES)
CRADLE IDENTIFICATION (ONE END ONLY)
STIFFENER REQUIRED FOR WIDE BELTS AND HEAVY IMPACTS
TO SUIT CLIENT REQUIREMENTS
BEAMS CAN BE NOTCHED TO SUIT STRUCTURE
AFTER REMOVAL OF SUPPORT ARM AND RETAINING BOLT, BARS SLIDE EASILY FROM CARRIERS FOR QUICK REPLACEMENT
TO CLIENT

BELT WIDTH	No. OF BARS
600	6
750	6
900	7
1050	9
1200	10
1350	10
1500	12
1600	13
1800	13
2000	16

8mm UHMW-PE TOP WEAR SURFACE
60 ±5 DUROMETER RUBBER BODY CAST ONTO 100PFC MOUNT BEAM
SLIDE (¼ PER BAR)
IMPACT BAR
TROUGH ANGLE
BOLT CRS
A B C D E F G H

GAB APPLICATION DATA SHEET

NOTES:

- A MINIMUM CLEARANCE OF 20mm MUST BE MAINTAINED BETWEEN GAB BARS AND BELT. PREMATURE WEAR OF TOP LAYER OF BAR COULD RESULT.
- CRADLE DESIGN ALLOWS FOR 25mm OF WEAR ADJUSTMENT ON OUTER BARS. BARS SHOULD BE POSITIONED TO JUST CONTACT THE BELT BELOW THE SKIRTING.
- CRADLE MAY BE BOLTED OR WELDED IN POSITION.
- 300mm DIMENSION BETWEEN 100UC BEAMS MUST BE MAINTAINED TO ENSURE PROPER SLIDING ACTION OF BAR ASSEMBLIES.
- ESS RECOMMEND LEAD-IN AND LEAD-OUT TRAC-MOUNT IMPACT IDLERS BE POSITIONED 25mm BEFORE AND 25mm AFTER GAB IMPACT SYSTEM.
- TAPERED EDGE OF GAB BARS MUST FACE AGAINST DIRECTION OF BELT TRAVEL TO MINIMIZE THE EFFECT OF MECHANICAL SPLICES OR SNAGS.
- ESS RECOMMENDS THE USE OF ESS2000 SKIRTING SYSTEMS TO MAXIMIZE THE BENEFITS OF THE GAB SYSTEM.
- A GAB APPLICATION DATA SHEET WILL NEED TO BE FILLED OUT BEFORE MANUFACTURING TAKES PLACE.

CLIENT: _____

LOCATION: _____

REV	BY	CHKD	APP	DATE
J	CR 282	KO	MH	15/08
I	WAS 50 DUROMETER	EDCR 1042	KO	RED 10/01
H	GENERAL UPDATE	SD	GG	TT 06/09

REVISIONS

REF DOCS

JOB No _____

ESS CAD

ESS ENGINEERING SERVICES & SUPPLIES
CUSTOMER SERVICE No. 1800 074446

GAB IMPACT CRADLE
INSTALLATION AND GENERAL ARRANGEMENT

SCALE: NTS
DRAWN BY: HP
CHKD: _____
APPD: _____
DATE: 4/90
DRAWING No. F0007
REV. J



8.0 EXPLODED PARTS DRAWINGS

2. F0055 GAB WITH CAST-ON IMPACT BARS

F0055

DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED. REMOVE ALL BURRS AND SHARP CORNERS.

NOTE:
 A GAB IMPACT CRADLE APPLICATION DATA SHEET WILL NEED TO BE FILLED OUT BEFORE MANUFACTURING TAKES PLACE.

CRADLES ARE DESIGNED FOR INDIVIDUAL APPLICATIONS PLEASE QUOTE ORIGINAL ORDER No. WHEN ORDERING SPARE PARTS.

CRADLES COMPONENTS ARE GALVANISED AS STANDARD (ITEM 7 EXCLUDED)

SAFETY NOTES
 G = GALVANISED
 S = S.S. (STAINLESS STEEL)

PART No. NOTES
 PART No.'s FOLLOWED BY xxx INDICATE THAT THE PART IS AVAILABLE IN ALL STANDARD BELT WIDTHS. SUBSTITUTE xxx WITH BELT WIDTH MEASURED IN cm.

REQUIRED INFORMATION WHEN ORDERING SPARE PARTS

CLIENT NAME / SITE: _____

CONVEYOR NUMBER: _____

ORIGINAL ORDER NUMBER: _____

DATE SUPPLIED: _____

ESS SERIAL NUMBER: _____ (ON CRADLE BASE)

ITEM	DESCRIPTION	DWG. No	PART No.
13	WASHER M12 H/D	02191513g	
12	WASHER M12	02191512(g)k1	
11	NUT M12 HEX	02115152(g)k1	
10	SCREW M12x30 HEX SET	02115533(g)k1	
9	WASHER M16 H/D	02191617g	
8	WASHER M16	02191616(g)k1	
7	NUT M16 HEX	02111616(g)k1	
6	BOLT M16x240 HEX	02103614s	
5A	SCREW M16x50 HEX SET	02115640(g)k1	
5	GAB WING SLIDE 750LG	48060025	
4	GAB WING SLIDE 550-750LG	48060020	
3	GAB WING SLIDE 350-550LG	48060015	
2	GAB WING SLIDE 250LG	48060010	
1	MODULAR IMPACT BAR PARTS - 600 LG	F0505	
	MODULAR IMPACT BAR PARTS - 7200 LG	F0504	
	IMPACT BAR COMPLETE - 1200 LONG	48026021e1	
	IMPACT BAR COMPLETE - 600 LONG	48026011	
	CLAMP	48030010	
	GAB WING SUIT 5 BARS	48070025	
	GAB WING SUIT 4 BARS	48070020	
	GAB WING SUIT 3 BARS	48070015	
	GAB WING SUIT 2 BARS	48070010	
	GAB SUPPORT ARM 250LG	48010020	
	GAB SUPPORT ARM 450LG	48010015	
	GAB BASE - 1500 LONG	481500xx	
	GAB BASE - 1200 LONG	481400xx	
	GAB BASE - 900 LONG	481300xx	
	GAB BASE - 600 LONG	481200xx	

ESS ENGINEERING SERVICES & SUPPLIES
 CUSTOMER SERVICE No. 1800 074446

THE MAKING AND USE OF CRADLES AND PARTS OF ESS ENGINEERING SERVICES AND SUPPLIES PTY LTD IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CRADLE AND PARTS SUPPLY AGREEMENT. THESE TERMS APPLY TO ALL CRADLES AND PARTS SUPPLIED BY ESS ENGINEERING SERVICES AND SUPPLIES PTY LTD.

CLIENT: _____ LOCATION: _____

REVISED IN BOM: EDCR664 AW RED 20/15

UPDATED: SD GG TT 07/10

REVISED: BP SD TT 04/18

WAS GUARDABELT: KO MH 15/20

ADDED ITEMS SA: EDCR 1064 RED 15/20

REVISIONS: REC BY CHKO APP DATE

DOCS: _____

JOB No. _____

EXPLODED PARTS - GAB COMBI CRADLE

EXPLODED PARTS - GAB IMPACT CRADLE C/W LEAD ON

EXPLODED PARTS - GAB ROLLER CRADLE

REFERENCE DRAWINGS

DRAWING No. _____

SCALE: NTS DRAWING No. F0055

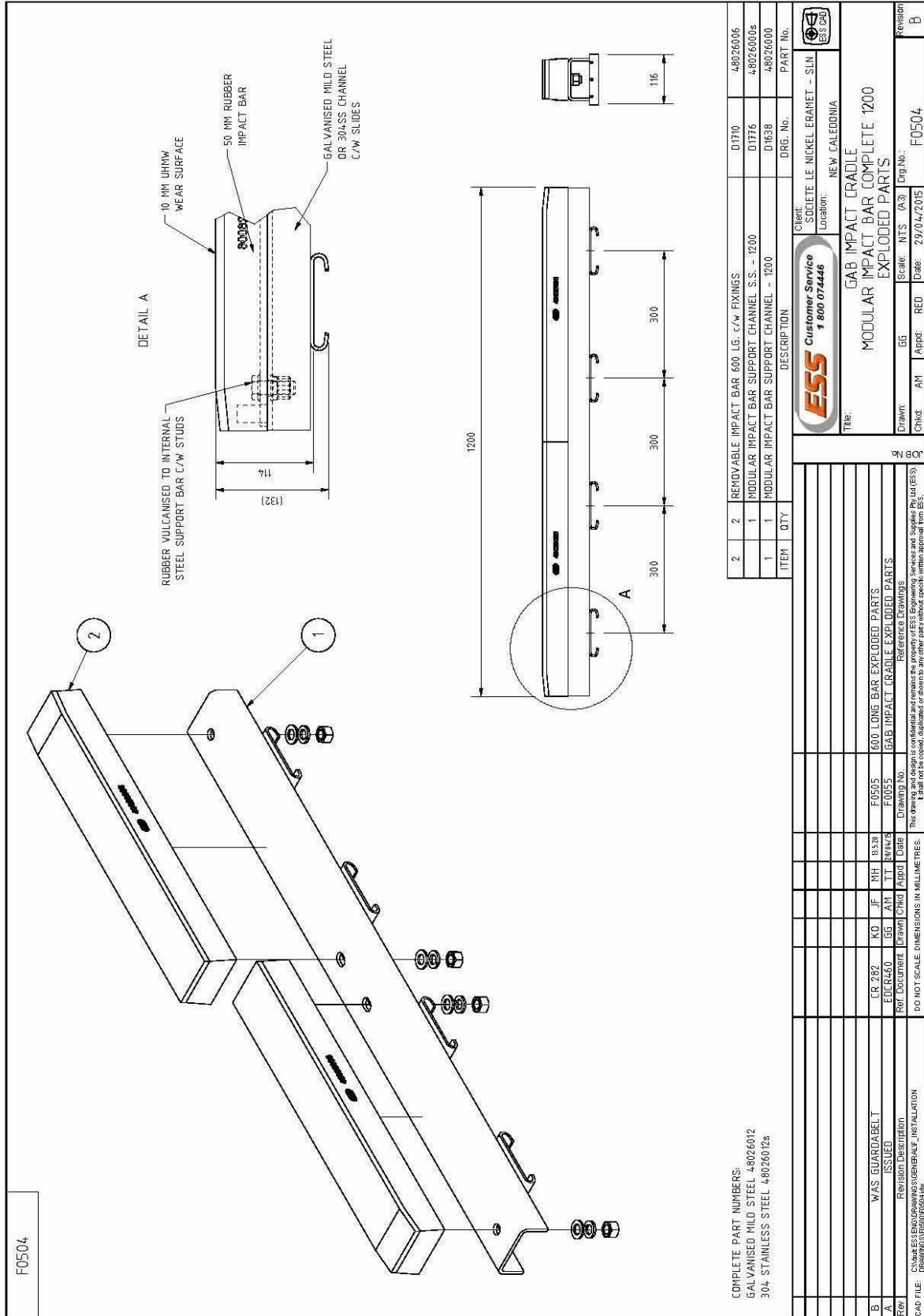
DATE: 4/92

CHKD: _____ APPD: _____

REV. J



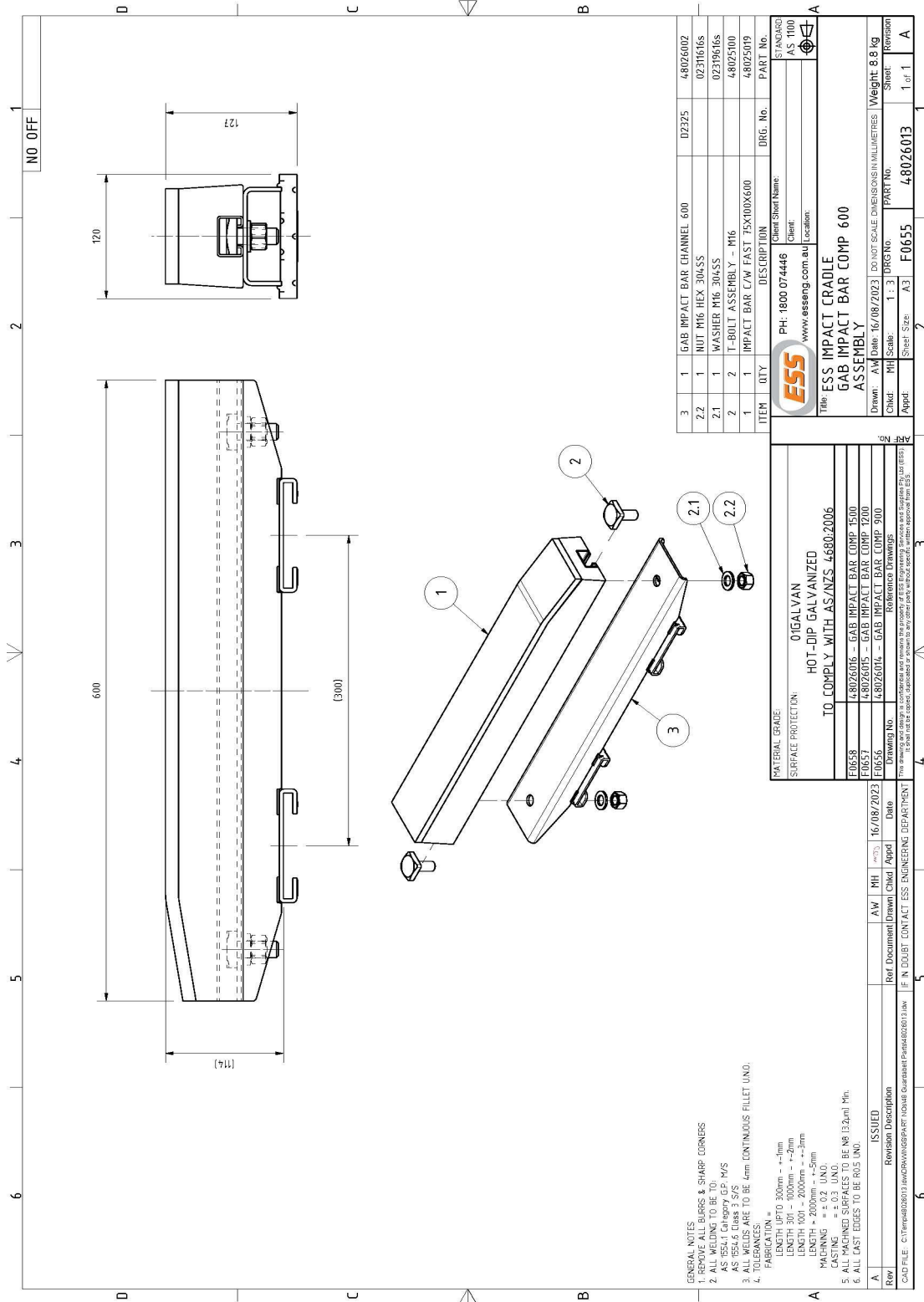
3. F0504 GAB MODULAR IMPACT BAR 1200





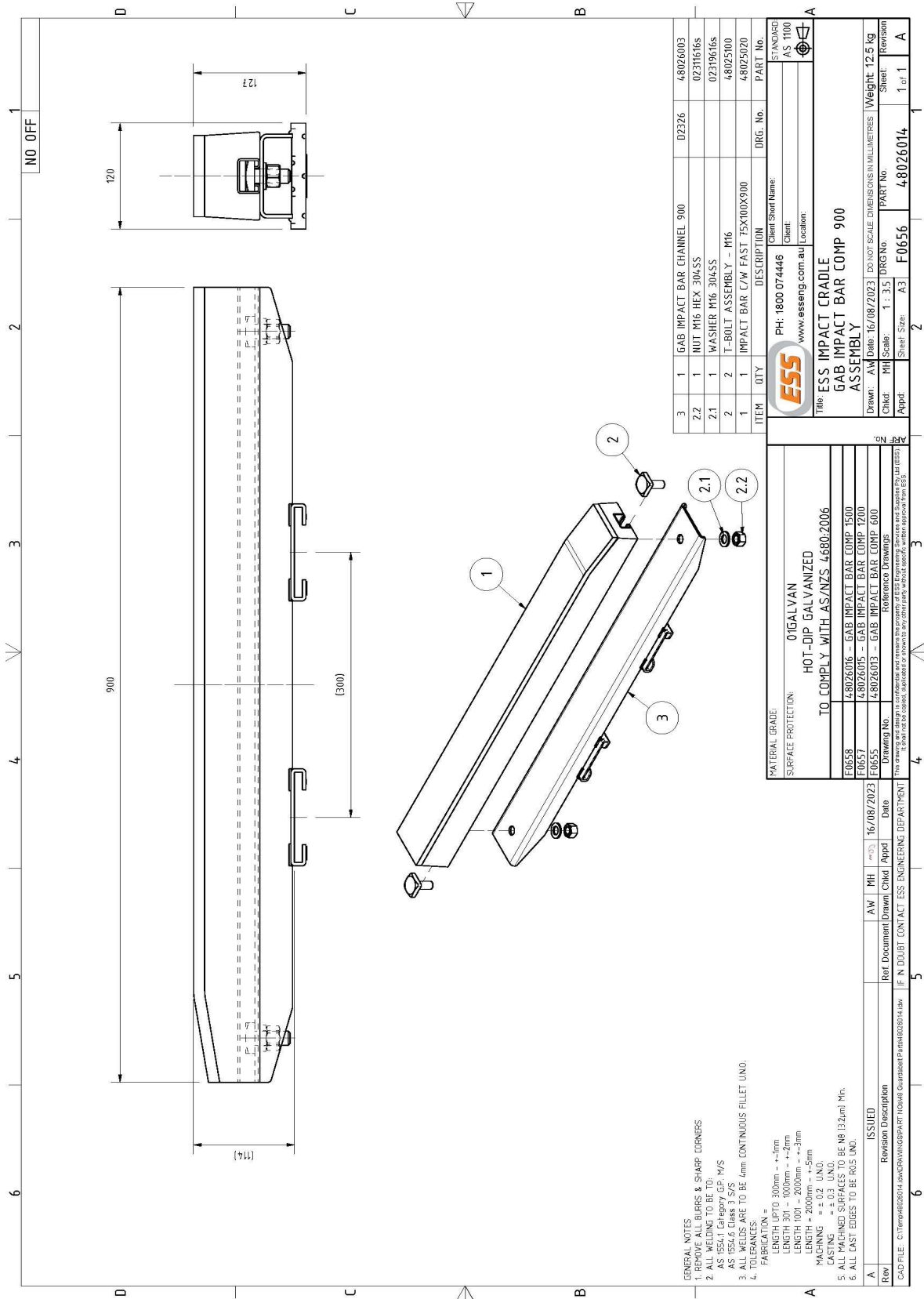
9.0 ASSEMBLY DRAWINGS

5. F0655 GAB IMPACT BAR COMP 600





6. F0656 GAB IMPACT BAR COMP 900



ITEM	QTY	DESCRIPTION	DRG. No.	PART No.
3	1	GAB IMPACT BAR CHANNEL 900	D2326	48026003
2.2	1	NUT M16 HEX 304SS		02311616s
2.1	1	WASHER M16 304SS		02319616s
2	2	T-BOLT ASSEMBLY - M16		48025100
1	1	IMPACT BAR C/W FAST 75X100X900		48025020

MATERIAL GRADE		01 GALVAN	
SURFACE PROTECTION		HOT-DIP GALVANIZED	
TO COMPLY WITH AS/NZS 4680:2006			
F0656	48026016	GAB IMPACT BAR COMP 1500	
F0657	48026018	GAB IMPACT BAR COMP 1200	
F0655	48026013	GAB IMPACT BAR COMP 600	
Drawing No	16/08/2023	Date	
Revision Description		Drawn/Checked/Approved	
Ref Document		Department	
ISSUED		Department	

Rev	Revision Description	AW	MH	Date
A	ISSUED			16/08/2023

STANDARD	Client	Client Location
AS 1100	PH: 1800 074446	www.esseng.com.au

Drawn	Checked	Approved	Weight
AW	MH		12.5 kg

Drawn	Checked	Approved	Weight
AW	MH		12.5 kg

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AW	MH		12.5 kg

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AW	MH		12.5 kg

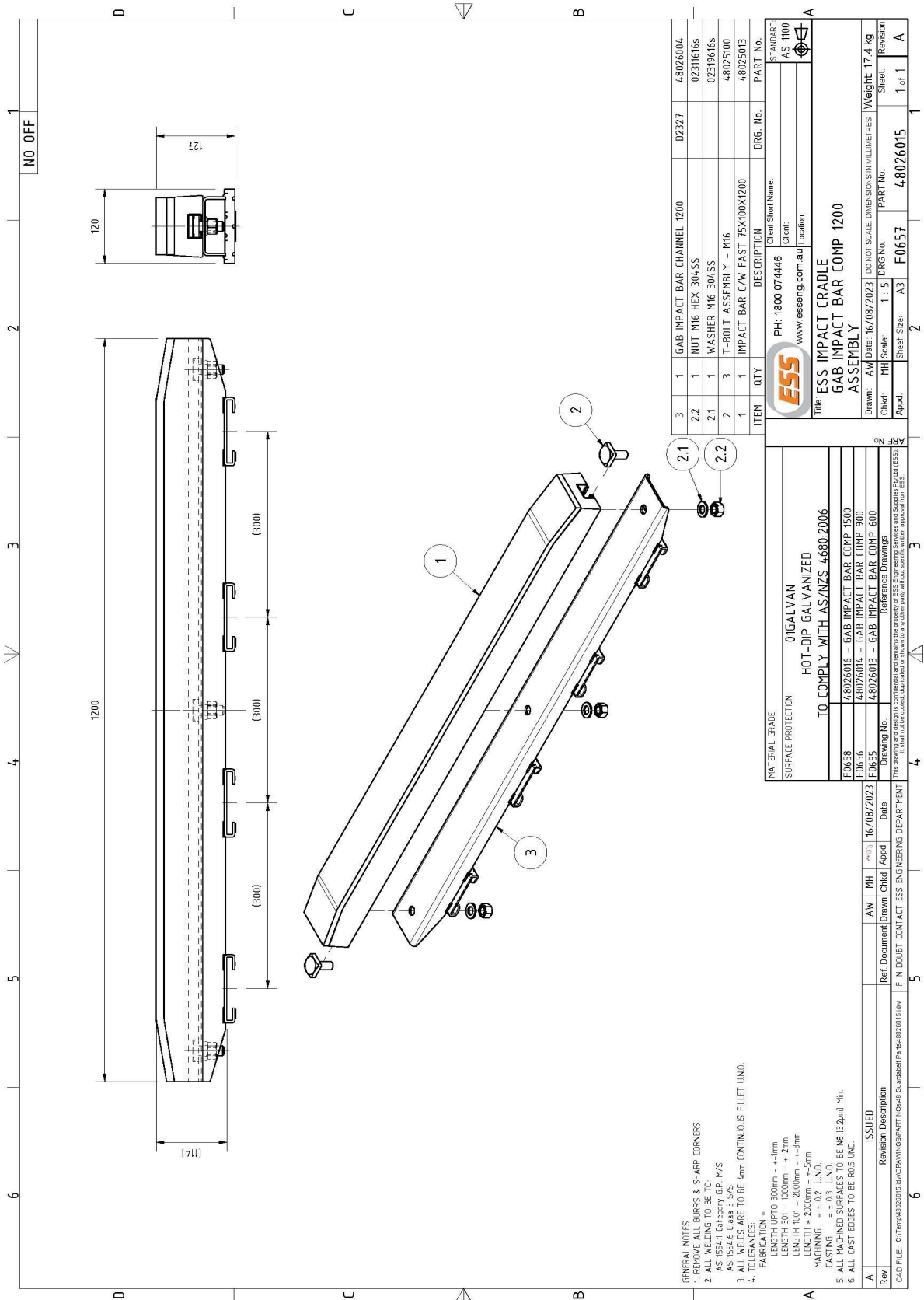
Drawn	Checked	Approved	Weight
AW	MH		12.5 kg

Drawn	Checked	Approved	Weight
AW	MH		12.5 kg

Drawn	Checked	Approved	Weight
AW	MH		12.5 kg

Drawn	Checked	Approved	Weight
AW	MH		12.5 kg

7. F0657 GAB IMPACT BAR COMP 1200



- GENERAL NOTES
1. REMOVE ALL BURRS & SHARP CORNERS
 2. ALL WELDING TO BE TO:
AS 1554.1 Category GF, M/S
AS 1554.6 Class 3 S/S
 3. ALL WELDS ARE TO BE 4mm CONTINUOUS RILET UNO.
 4. TOLERANCES:
FRACTIONS:
LENGTH UP TO 300mm = ±1mm
LENGTH 301 - 1000mm = ±2mm
LENGTH 1001 - 2000mm = ±3mm
LENGTH > 2000mm = ±5mm
MACHING = ±0.3 UNO.
CASTING = ±0.5 UNO.
5. ALL MACHINED SURFACES TO BE Rf 13.2µm 1/4.
6. ALL CAST EDGES TO BE R05 UNO.

3	1	GAB IMPACT BAR CHANNEL 1200	D2327	48026004
2.2	1	NUT M16 HEX 304SS		02316165
2.1	1	WASHER M16 304SS		023196165
2	3	T-BOLT ASSEMBLY - M16		48025100
1	1	IMPACT BAR C/W FAST 75X100X1200		48025013

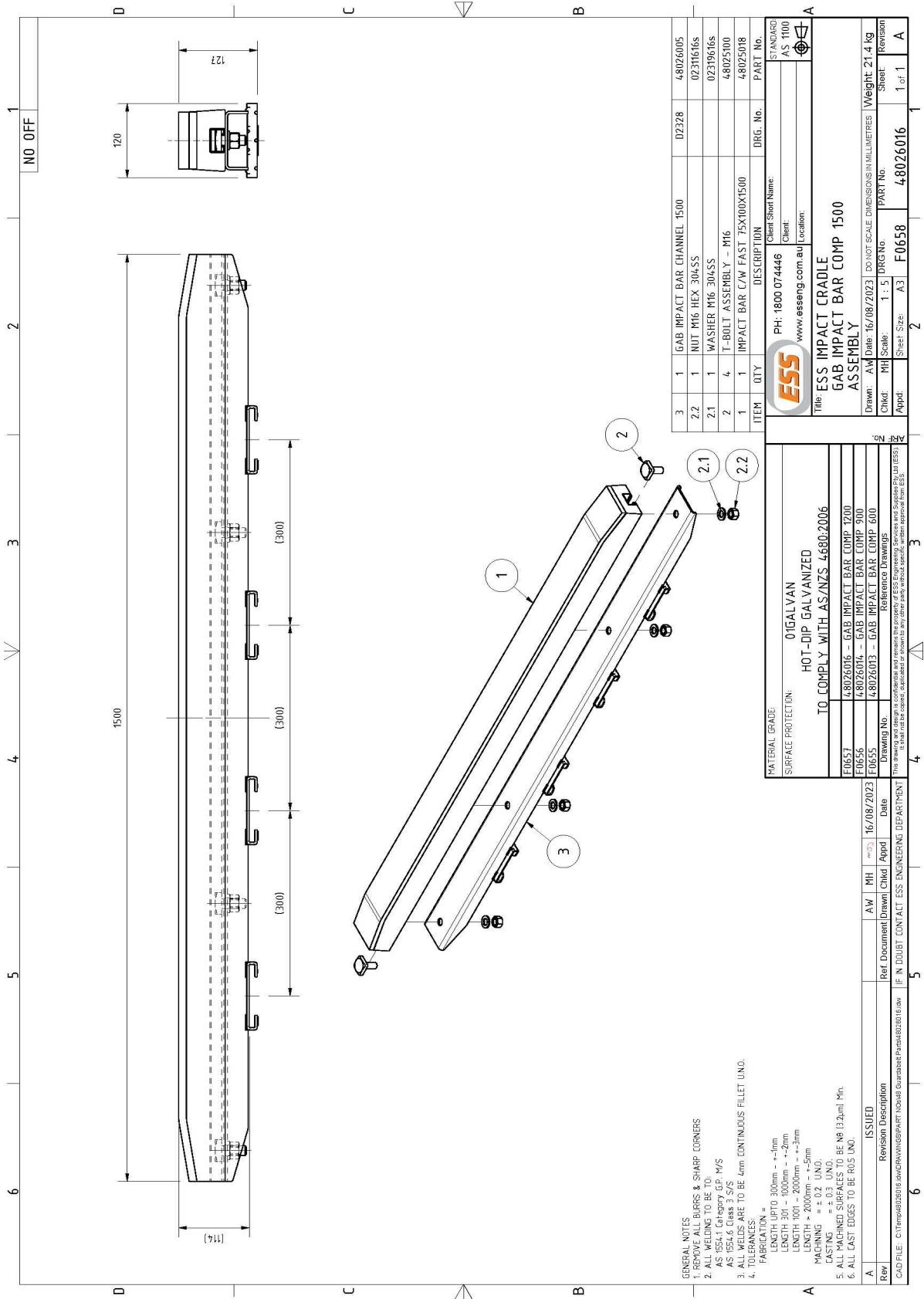
MATERIAL GRADE		ORIGINAL VAN
SURFACE PROTECTION		HOT-DIP GALVANIZED
TO COMPLY WITH AS/NZS 4680:2006		
F0658	48026016 - GAB IMPACT BAR COMP 1500	
F0656	48026014 - GAB IMPACT BAR COMP 900	
F0655	48026013 - GAB IMPACT BAR COMP 600	
Drawing No.	Reference Drawings	

AW	MH	16/08/2023	Date
Ref. Document	Drawn	Chkd	Apprd
ISSUED	Revision Description		
Row	Revision	Description	

Client Short Name:	PH: 1800 074446
Client:	www.esseng.com.au
Location:	
STANDARD:	AS 1100
Title:	ESS IMPACT CRADLE GAB IMPACT BAR COMP 1200 ASSEMBLY
Drawn:	AW Date: 16/08/2023
Chkd:	MH Scale: 1:5
Apprd:	Sheet Size: A3
Weight:	17.4 kg
Part No:	48026015
Sheet:	1 of 1
Revision:	A



8. F0658 GAB IMPACT BAR COMP 1500





10.0 FINAL CHECKLIST

Site: _____ Number: _____ Date: _____

Site Equipment No./Location: _____ Site Contact: _____

Completed By: _____

(Circle Yes or No Below)

Was equipment to ESS Specification? Yes/No

Drawing No. Ref: _____ Attached? Yes/No

If No, WHY _____

Will this affect performance? Yes/No

If Yes, WHY _____

Was this a standard service inspection installation? Yes/No

If No, WHY _____

Was work carried out as per procedure and JSA? Yes/No

If No, WHY _____

Is equipment fit for commissioning? Yes/No

If No, WHY _____

Was a final inspection carried out while plant was running? Yes/No

If No, WHY _____

Has anything changed from previous service / inspection / installation? Yes/No

If Yes, WHAT _____

Is equipment performance to Client expectations? Yes/No

If No, WHY _____

ESS Signature: _____ Client Signature: _____

