

SPREADER CHASSIS

LOADCELL

LOADCELL BEARING PLATE

LOADCELL CROSSMEMBER

TRUCK CHASSIS

		DIMENSIONS IN MILLIMETERS DO NOT SCALE		Material Machining Tolerance 0.0 - 0.25 UN0 0.3 - 0.1 UN0 0.00 - 0.05 UN0		Surface Finish 3.2 UN0	
Drawn	4/01/2020	Date	4/01/2020	Name	inall		
Checked							
Eng. App.							
Mfg. App.							
Design Status	WorkInProgress						
Cost Center							
Scale							
Site	Chengde	Date		Name			

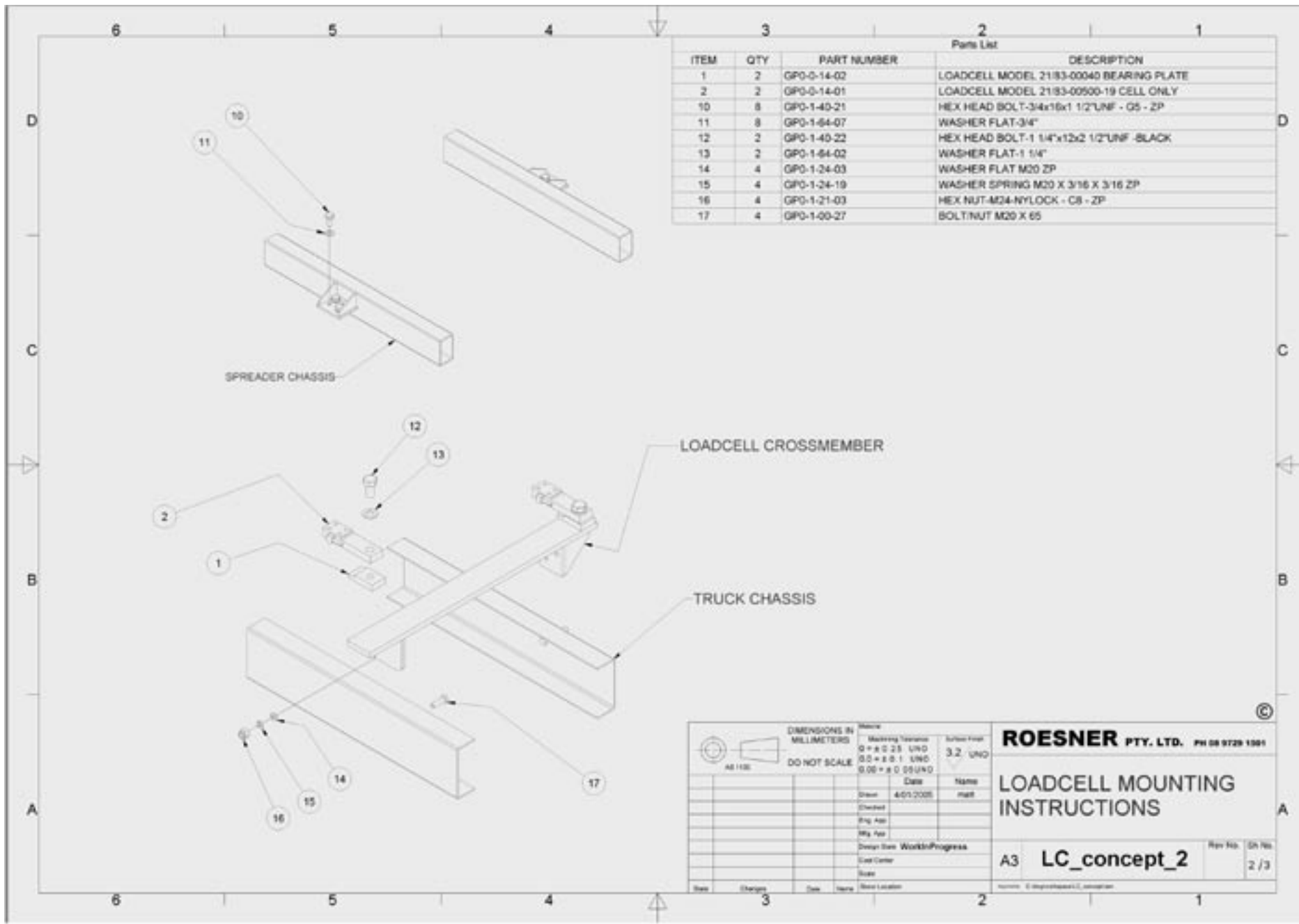
ROESNER PTY. LTD. PH 08 9729 1301

LOADCELL GENERAL ARRANGEMENT

A3 LC\_concept\_2

Rev No 1/3

Author: 01engworkshop\_2\_01000000



Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	2	GPO-0-14-02	LOADCELL MODEL 21/83-00040 BEARING PLATE	
2	2	GPO-0-14-01	LOADCELL MODEL 21/83-00500-19 CELL ONLY	
10	8	GPO-1-40-21	HEX HEAD BOLT-3/4x16x1 1/2UNF - G5 - ZP	
11	8	GPO-1-64-07	WASHER FLAT-3/4"	
12	2	GPO-1-40-22	HEX HEAD BOLT-1 1/4"x12x2 1/2UNF -BLACK	
13	2	GPO-1-64-02	WASHER FLAT-1 1/4"	
14	4	GPO-1-24-03	WASHER FLAT M20 ZP	
15	4	GPO-1-24-19	WASHER SPRING M20 X 3/16 X 3/16 ZP	
16	4	GPO-1-21-03	HEX NUT-M24-NYLOCK - C8 - ZP	
17	4	GPO-1-00-27	BOLT/NUT M20 X 65	

SPREADER CHASSIS

LOADCELL CROSSMEMBER

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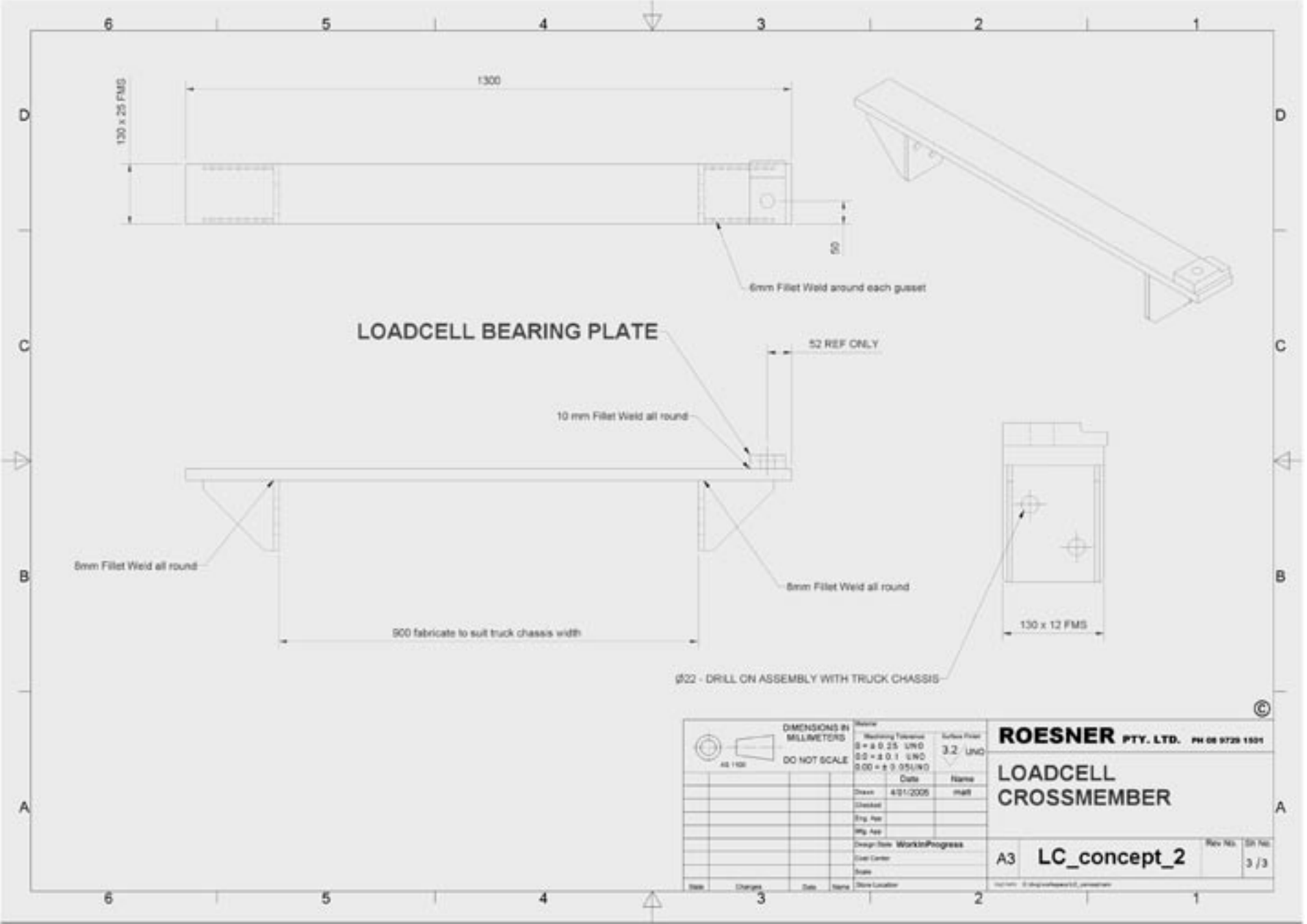
		DIMENSIONS IN MILLIMETERS DO NOT SCALE	
Working Version 0.0 ± 0.25 UNO 0.0 ± 0.1 UNO 0.00 ± 0.05 UNO	School Year 3.2 UNO	Date 4/01/2008	Name matt
Design Team WorkInProgress	User Center Scale	Date Name Work Location	Rev No. 2 / 3

**ROESNER PTY. LTD.** PH 08 9728 1501

**LOADCELL MOUNTING INSTRUCTIONS**

**A3 LC\_concept\_2**

Rev No. 2 / 3



**LOADCELL BEARING PLATE**

**ROESNER PTY. LTD. PH 08 9729 1901**

**LOADCELL CROSSMEMBER**

<p><b>DIMENSIONS IN MILLIMETERS</b> DO NOT SCALE</p>		<p>Material:           Working Tolerance: <math>8 = \pm 0.25</math> UNO  <math>22 = \pm 0.1</math> UNO  <math>3.00 = \pm 0.05</math> UNO</p>	<p>Surface Finish:   <math>3.2</math> UNO</p>
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Cost Center			
Scale			
Rev	Changes	Date	Name
			Draw Location

A3 LC\_concept\_2

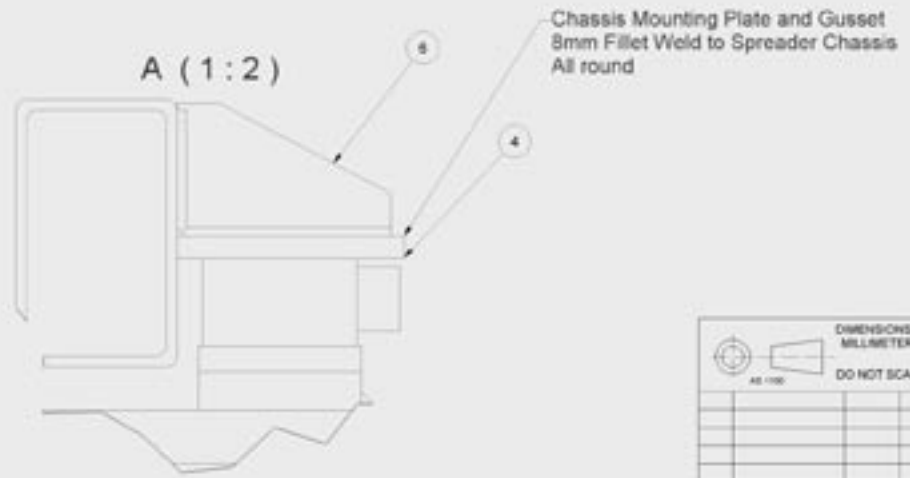
Rev. No. 3 / 3

Author: 04august@roesner.com.au

		Parts List	
ITEM	QTY	PART NUMBER	DESCRIPTION
4	2	LC_concept2	Loadcell - Spreader Chassis Mount
6	4	LC_concept4	Loadcell - Spreader Chassis Gusset



**END VIEW**



AS 100	DIMENSIONS IN MILLIMETERS		Material	Surface Finish
	DO NOT SCALE		Working Tolerance Ø + 0.25 UNO 0.0 + 0.1 UNO 0.00 + 0.015 UNO	3.2 UNO
Drawn	Date	Name		
Checked				
Eng. App				
Mfg. App				
Design Team	WorldProgress			
Cost Center				
Scale				
Date	Change	Date	Name	State Location

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**LOADCELL ARRANGMENT END VIEW**

**A3 LC\_concept\_2** Rev No: 4/4

1. Fabricate loadcell crossmember to suit truck chassis width.
2. Fasten the loadcell crossmembers to the truck chassis, avoiding spring hangers and other obstacles on the truck chassis.  
The loadcell crossmembers should be as evenly spaced as possible from each end of the spreader chassis.
3. Place a piece of 20mm plate in each corner of each loadcell crossmember to act as a spacer.  
Lower the spreader on to the crossmembers ensuring the correct location of the machine.
4. Tack weld the loadcell bearing plates to the loadcell crossmembers.  
Tack weld the chassis mounting plates and gussets to the spreader chassis.
5. Remove the spreader from the truck chassis. Fully weld the loadcell bearing plates and chassis mounting plates and gussets.  
After welding paint the spreader chassis and loadcell crossmembers.
6. Ensure that the 20mm spacers are removed from loadcell crossmembers. Then mount the spreader on the truck chassis.  
  
Tighten all bolts connections.
7. See loadcell calibration procedure to finish installation.