

SPREADER CHASSIS

LOADCELL

LOADCELL BEARING PLATE

LOADCELL CROSSMEMBER

TRUCK CHASSIS

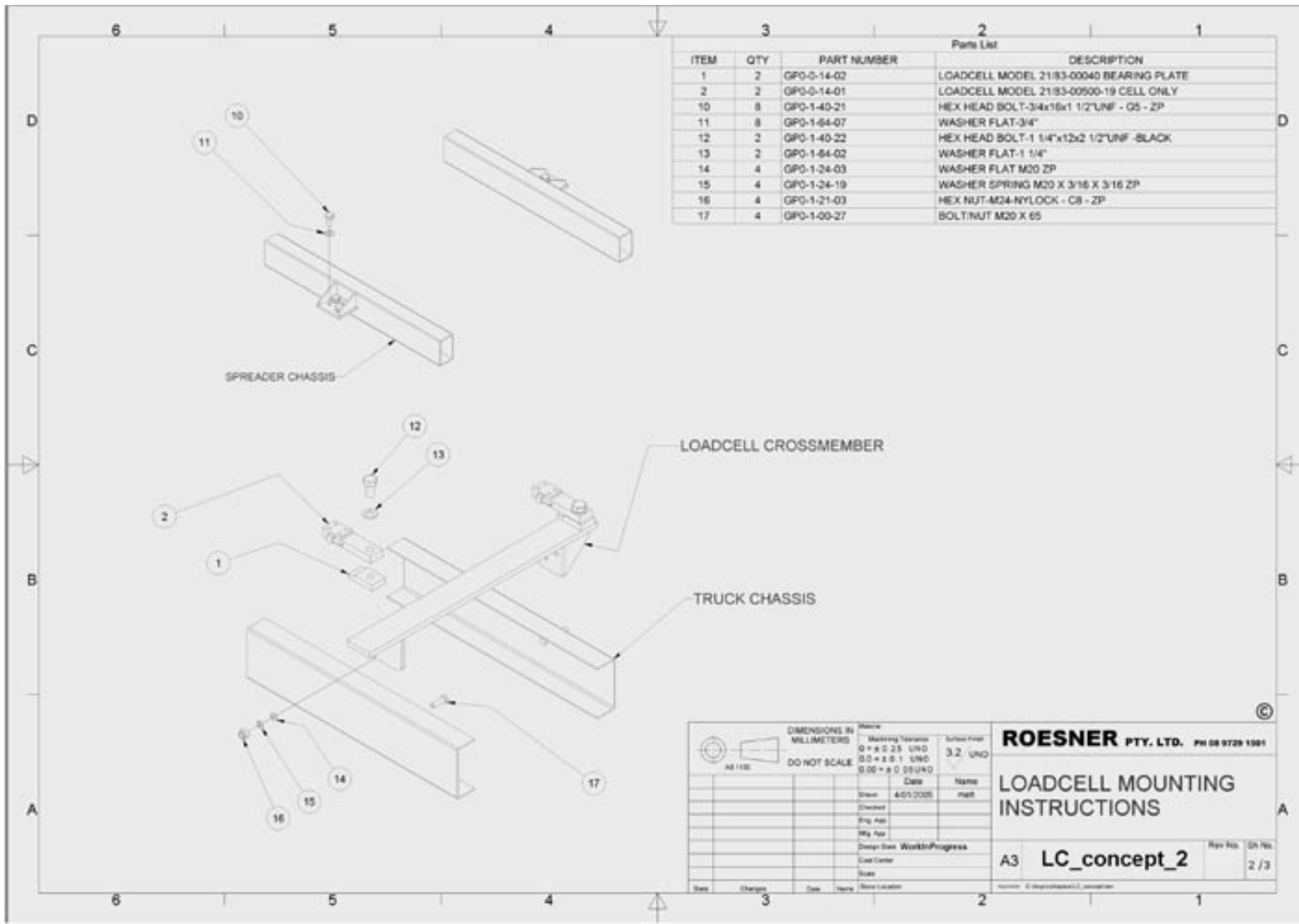
DIMENSIONS IN MILLIMETERS DO NOT SCALE		Material Machining Tolerance 0 = ± 0.25 UNO 0.0 = ± 0.1 UNO 0.00 = ± 0.05 UNO	Surface Finish 3.2 UNO 12.5 UNO
Drawn	Date	Name	
4/01/2020		mall	
Checked			
Eng. App			
Mfg. App			
Design Status	WorkInProgress		
Rev. Control			
Scale			
Date	Drawn	Date	Drawn
Site	Change	Date	Name

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LOADCELL GENERAL ARRANGEMENT

A3 LC_concept_2

Rev No 1/3



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

TRUCK CHASSIS

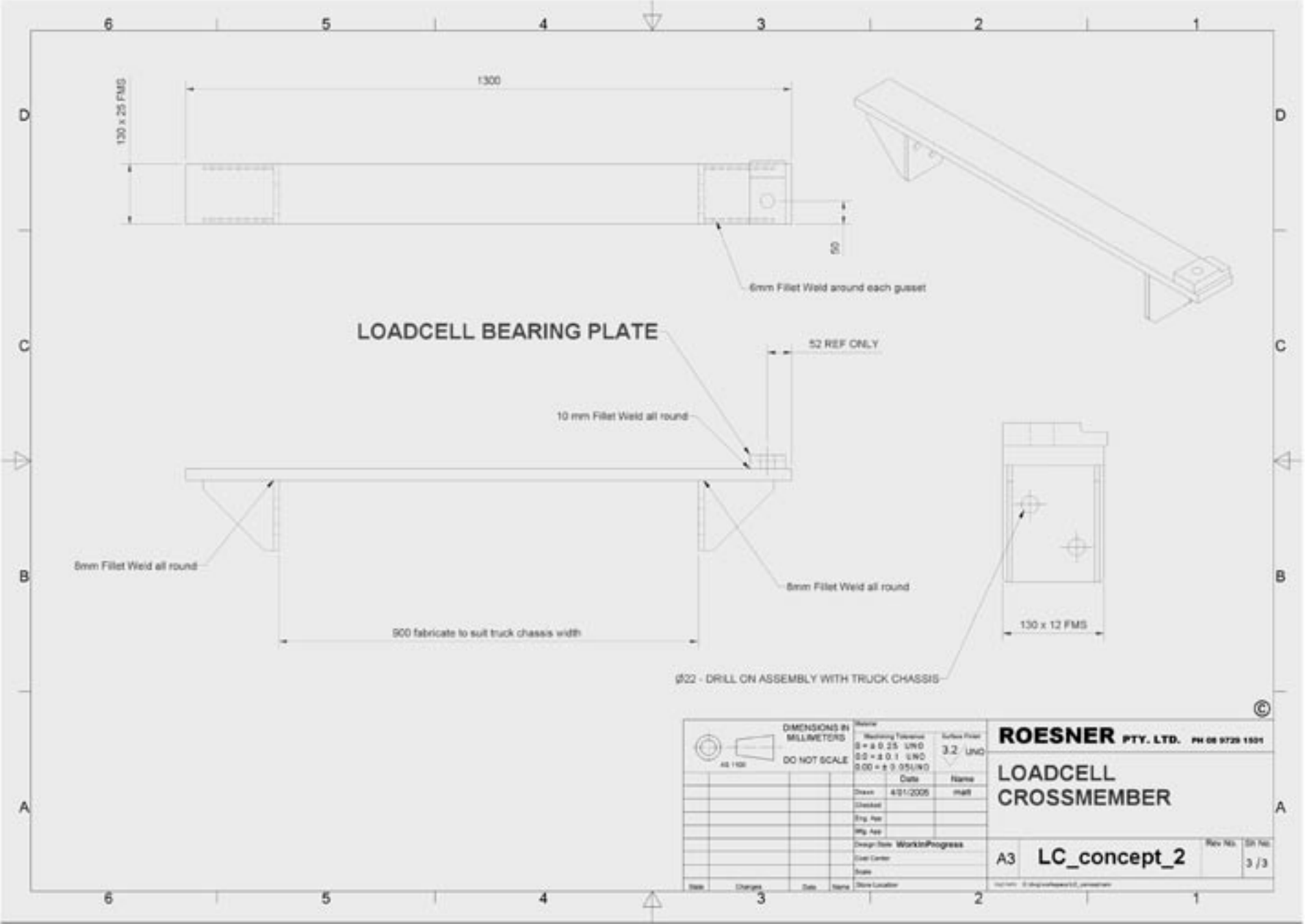
		DIMENSIONS IN MILLIMETERS DO NOT SCALE	
A3 130	3.2 UNO	Date 4/01/2008	Name matt
Design Team WorkInProgress	User Center	Scale	Sheet Location

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LOADCELL MOUNTING INSTRUCTIONS

A3 **LC_concept_2** Rev No. 2/3

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LOADCELL BEARING PLATE

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LOADCELL CROSSMEMBER

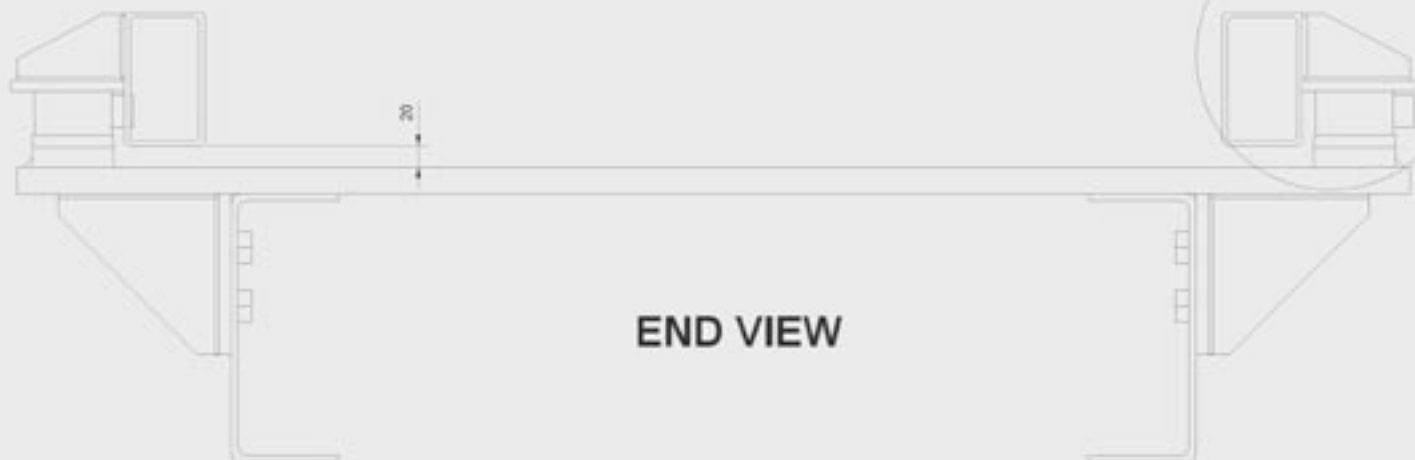
<p>DIMENSIONS IN MILLIMETERS DO NOT SCALE</p>		<p>Material: Working Tolerance: $8 = \pm 0.25$ UNO $22 = \pm 0.1$ UNO $3.00 = \pm 0.05$ UNO</p>	<p>Surface Finish: 3.2 UNO</p>
Drawn	4/11/2005	Date	Name
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Design Note	WorksProgress		
Cost Center			
Scale			
Rev	Changes	Date	Name
			Draw Location

A3 **LC_concept_2**

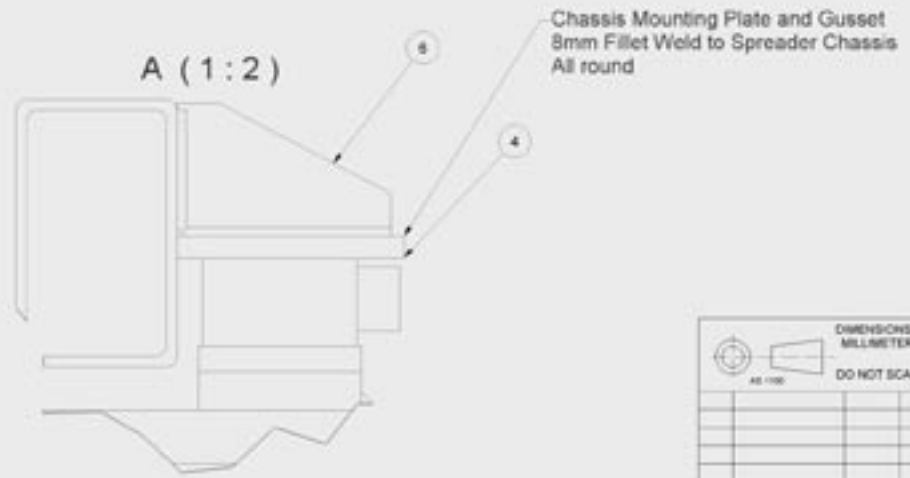
Rev. No. 3 / 3

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		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 150	DIMENSIONS IN MILLIMETERS		Material	Surface Finish
	DO NOT SCALE		Working Tolerance Ø + 0.25 UNO 0.5 + 0.1 UNO 0.00 + 0.05 UNO	3.2 UNO
Drawn	Date	Name		
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Eng. App				
Mfg. App				
Design Team	WorldProgress			
Cost Center				
Scale				
Date	Change	Date	Name	Draw Location

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LOADCELL ARRANGEMENT END VIEW

A3 LC_concept_2 Rev No: 4/4

1. Fabricate loadcell crossmember to suit truck chasis 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.