Installation Manual

Fairbanks Transport Scale

51191

Revision 2 04/10

Amendment Record

AEGIS TRANSPORT SCALE

Document 51191

Manufactured by Fairbanks Scales Inc.

821 Locust

Kansas City, Missouri 64106

Created	8/08	Created
Revision 1	8/08	Documentation Release
Revision 2	04/10	Corrected part number and added load cell, feet and mounting bolts parts lists and drawings.

Disclaimer

Every effort has been made to provide complete and accurate information in this manual. However, although this manual may include a specifically identified warranty notice for the product, Fairbanks Scales makes no representations or warranties with respect to the contents of this manual, and reserves the right to make changes to this manual without notice when and as improvements are made.

Fairbanks Scales shall not be liable for any loss, damage, cost of repairs, incidental or consequential damages of any kind, whether or not based on express or implied warranty, contract, negligence, or strict liability arising in connection with the design, development, installation, or use of the scale.

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Section 1: General Information

1.1. INTRODUCTION

The **Transport Scale** is a self-contained portable scale designed for weighing drums in various locations throughout a plant or factory.

- It has an extremely low profile of one-and-a-half inch (1½") for easy on– and off–loading.
- Available in **Mild Steel** and **Stainless Steel**.
- Four capacities of **500, 1000, 2000** and **2500.**
- ***The load cell cables connect inside the platform with a single, four (4) conductor shielded cable.***
- ***Load Cell Construction Ratings:*** **Mild Steel Scales IP67, Stainless Steel Scale IP69K (hermetically sealed).**
- The Platform is supported from the Base Weldment Assembly by **four (4) 17-4 PH Stainless Steel Shear Beam Load Cells.**
- A Bubble Level in the platform center helps to level the scale.
- The **Transport Scale** accommodates a variety of ***analog*** weight indicator models.

The **Transport Scale** *accommodates a variety of* ***Analog indicator*** *models.*

1.1.1. Stainless Steel Transport Scale Features

The **Fairbanks Stainless Steel Transport Scale** has following features.

- **304 Stainless Steel Construction.**
  - Continuous welds on the platform.
  - Brushed metal finish.
- Available with an **Intrinsically Safe Controller**.

1.1.2. Applications

- **Manufacturing**
- **Chemical**
- **Scrap or Recycling**
- **Food & Beverage**
- **Textile**
- **Pharmaceutical**

1.1.3. Specifications

Feature	Description
Platform Size	24” x 30”
Scale Capacities	500, 1000, 2000 and 2500 lbs.
Endloading	100% of capacity all models except 2500 lb model which is rated at 80%.
Load Cell Excitation	5 to15 VDC
Grounding	Less than 3 Ohms to True Earth Ground
Interface	*Analog*
Temperatures	Operating: -10°C to 40°C (14°F to 104°F) Storage: -20°C to 70°C (14°F to 158°F)
Humidity	10 to 100%, Wash-down
Accuracy	***Platform Accuracy up to 0.02%***
Power Cable	Thirty cable feet (30’) of four (4) conductor interface cable; PVC jacketed.
Instrument Cable	7’ cable extends between the scale and indicator.
Platform Construction	Type 304 Stainless Steel, brushed.
Load Cell Construction	17-4 Stainless Steel
Approvals	**Platform Approval:** • ***NTEP CC# 08-044.*** • ***MC Approved***

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Hermetically Sealed Load Cells used on the ***Stainless Steel*** models.

- Prevents problems with accidental spills and washdown.

1.2. CONFERRING WITH OUR CLIENT

Prior to installation, ***always*** verify that the equipment satisfies the customer's requirements as supplied, and as described in this manual.

- ✓ **If the equipment cannot satisfy the customer's application, the Fairbanks Transport Scale *should not be delivered*.**
- ✓ **The technician must recommend the best arrangement for the Transport Scale to provide the most accurate weighing position.**
- ✓ **The warranty policy must be fully explained and reviewed with the customer.**

It is the customer/operator's responsibility to ensure the equipment provided by Fairbanks Scales is operated within the parameters of the equipment's specifications and protected from accidental or malicious damage.

W A R N I N G !

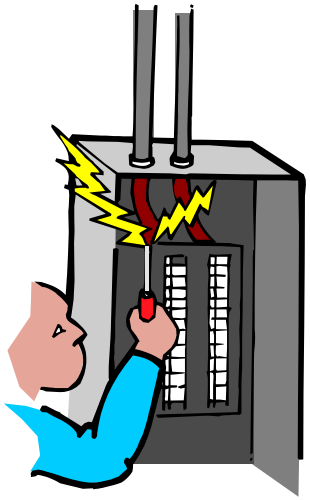
Absolutely NO physical, electrical or program modifications other than selection of standard options and accessories can be made by customers to this equipment

Repairs are performed by Fairbanks Scales Service Technicians and Authorized Distributor Personnel ONLY!

Failure to comply with this policy voids all implied and/or written warranties.

★ ★ IMPORTANT INSTALLATION NOTICE ★ ★

- ✓ **All Transport Scale Interface Cables used shall be located a minimum of thirty-six (36”) inches distance away from all single and multiple phase high energy circuits and electric current carrying conductors.**
  - *Also included is the scale components themselves, such as 120 volt AC, 240 volt AC, 480 volt AC and electric supply of higher voltage wiring runs and stations, AC power transformers, overhead or buried cables, electric distribution panels, electric motors, florescent and high intensity lighting which utilize ballast assemblies, electric heating equipment, traffic light wiring and power, and relay boxes.*
  - *This includes all scale components, including digital weight indicators and peripheral devices that are not designed to operate on internal combustion engine driven electric generators and other similar equipment.*



- ✓ **Electric arc welding can severely damage scale components such as digital weight indicators, junction boxes, balance boards, sectional controllers, power supplies, and load cells.**

- ✓ For additional information, contact your **Fairbanks Scales Representative**.

1.2.1. Service Technician's Responsibilities

- ✓ All electronic and mechanical calibrations and/or adjustments required for making this equipment perform to accuracy and operational specifications are considered to be part of the installation.
  - – They are included in the installation charge.
  - – Only those charges which are incurred as a result of the equipment's inability to be adjusted or calibrated to performance specifications may be charged to warranty.
- ✓ If the equipment consists of printed circuit assemblies, they must be handled using ESD handling procedures, and must be replaced as units.
  - – Replacement of individual components is not permitted.
  - – The assemblies must be properly packaged in ESD protective material and returned intact for replacement credit per normal procedures.
- ✓ All electrical assemblies must be replaced as assemblies or units.
  - – Replacement of individual components is not permitted.
  - – These components must be returned intact for replacement credit using the standard procedures.
- ✓ All electronic and mechanical adjustments are considered to be part of the installation, and are included in the installation charge(s).
  - – Included is any required computer programming or upgrades.
  - – Included are any accuracy and/or operational specification changes.
- ✓ **Only those charges which are incurred as a result of the equipment's inability to be adjusted to performance specifications may be charged to warranty.**
- ✓ The AC receptacle/outlet shall be located near the Indicator and easily accessible.
- ✓ Electrical connections other than those specified may not be performed.
- ✓ No physical alterations (mounting holes, etc.) are permitted during installation.

1.2.2. Users' Responsibility

- ✓ **Absolutely no physical, electrical or program modifications other than selection of standard options and accessories are to be made to this equipment.**

Section 2: Operations

2.1. INTRODUCTION

The installing technician is responsible that all personnel are fully trained and familiar with the equipment's capabilities and limitations before the installation is considered complete.

The **Fairbanks Transport Scale Platform** arrives at the user's site ***partially assembled.***

The Instrument Pillar must be inserted into the Platform Base, and then fastened.

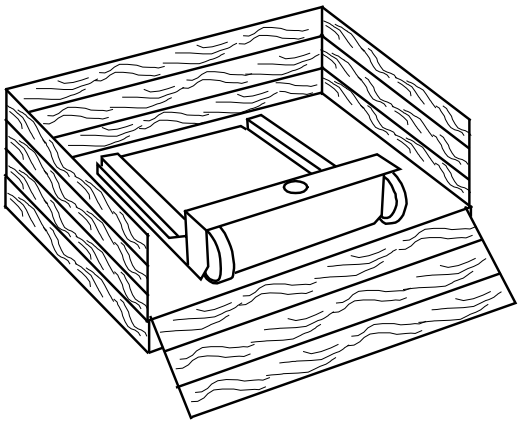
2.1.1. Unpacking

Follow these guidelines when unpacking all equipment.

- Check in all components and accessories according to the customer's order.
- **Remove all components from their packing material, checking against the invoice that they are accounted for and not damaged.**
  - Advise the shipper immediately, if damage has occurred.
  - Order any parts necessary to replace those which have been damaged.
  - Keep the shipping container and packing material for future use.
  - Check the packing list.
- **Collect all necessary installation manuals for the equipment and accessories.**
- Open the Indicator box(es), then follow *exactly* all the accompanying instructions in the Installation Manual.

The Transport Scale is shipped in a wooden crate on top of a pallet.

1. Remove the crate lid.
2. Locate the side closest to the wheels, positioning it like a ramp in the illustration.
3. Install the pillar to the base assembly.
4. Wheel the Scale off of the shipping crate.

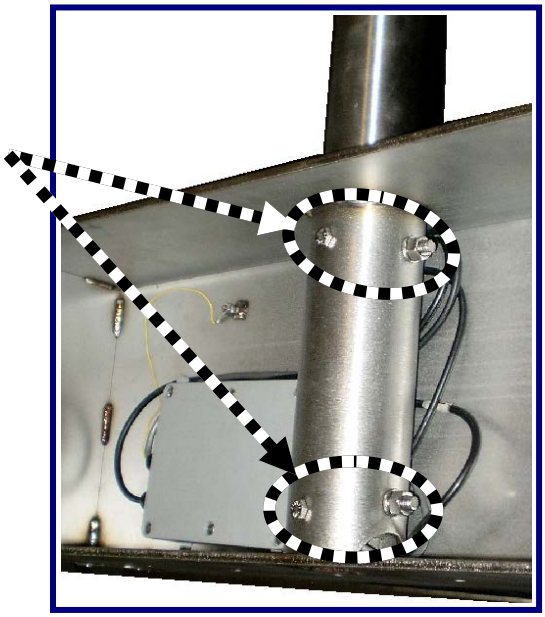


2.1.2. Assembling the Pillar

5. At the Wheel-base side of the Platform, remove the **four (4) Fastening Bolts of the Cover** using the **seven-sixteenths inch (7/16") Open-ended Wrench.**
6. Pull out and unwrap the cables, set the instructional CD aside, then open the bag of assembly hardware.
7. Using the pre-assembled Pull-string, carefully draw the Indicator Cable up through the Pillar, and then out through the top Access Hole.

– Allow extra slack on the cable.

8. Insert the Pillar into its collar on the Base.
9. Pull the cable firmly at the top to remove the slack.
10. Install the rubber boot over the load cell cable and into the cable exit hole.
11. Use two **Open-ended Wrenches.** A **9/16"** on the **3/8" x 3-1/2" Bolts through the Pillar** and on the **Fastening Nuts.**
12. Tighten the **(2) ¼" x .50" Bolts** using a **7/16" Open-ended Wriench** to secure the pillar to the base.
13. Wrap up excess Load Cell Cable and secure in the compartment at the base of the pillar.
14. Reinstall the Cover on the Platform with the **six (6) Fastening Bolts.**
15. Wire the cable to the Indicator.



2.1.3. Positioning the Equipment

Position the equipment with the following points in mind.

- Rest the Platform on a smooth surface, within 1/8", and on a level plane, within ¼" across both the length and width of the platform .
- The four corners of the Platform must rest solidly on the surface, and not rock. Unlevel flooring and foreign material under the Platform can cause an "out-of-level" condition, and the weight readings could be incorrect.
- Platform vibrations may also affect the weighing accuracy. Wherever possible, locate the platform as far away from heavy, low frequency vibrations as much as possible.
- Do not load the platform if there is any evidence of damage to the platform or supporting structure.
- Ease of access is very important. Allow plenty of room for maneuvering a loaded dolly.
- Reading the Indicator is also important to workers, so place it in a very visible position.
- The scale is to be placed on a flat, solid, level surface, one that fully supports the weight of the platform plus a full capacity load.
- ***Whenever moving the scale to another location, it is important to locate the Scale on a level area using the Bubble Level in the center of the Platform for accurate and consistent weighing.***

2.1.4. Moving the Scale

1. Remove all objects from the Platform.
2. Remove the AC Power from the Instrument, if applicable.
3. From the ***back*** of the scale, hold firmly onto the Handle Bars, place one foot on the platform base, then pull down on the Handle Bars until the unit rides only on the wheels.
4. Transport the scale to its new location.
5. ***CAREFULLY*** lower the scale down to the floor.
6. Check the Bubble Level to confirm the scale is level.
7. Reapply AC Power to the Instrument, if applicable.

The Scale is again ready for weighing.

Section 3: Service and Maintenance

3.1. SCALE ASSEMBLY MAINTENANCE

Follow these points to keep the Transport Scale well maintained.

- Clear all debris from between the spaces of the platform sides, ramps, edges, and the surface beneath the platform.
- At the end of each day, wipe all surfaces with antibacterial cleaner.
- Once a month, shine the Stainless Steel with only high quality polish.
- Clean the wheels with a strong cleaner, then when necessary, oil them only with **White Grease** or **30 Wt. Motor Oil**.
  - *Spray lubricants are **not recommended**.*

3.1.1. Scale Assembly Troubleshooting

Except for severe structural damages, most Platform Assembly problems can be traced to the following causes:

- **Material under or around the Platform.**
- **Improperly seated Load Cell Feet.**
- **Faulty Load Cells.**
- **Loose or damaged components.**

3.1.2. Platform Assembly Testing

1. **ZERO** the Instrument Display.
2. Apply a test load of **25% of the Scale's capacity** to one corner.
   - The Instrument should display a weight reading **within 0.1%** of the applied weight, or One Instrument Division, whichever is greater.
3. Repeat Step 3 for all the corners, placing the same Test Load on each corner.

3.2. GENERAL TROUBLESHOOTING

From the following chart, identify the symptom(s) and cause(s) of each malfunction, solving each issue with an appropriate solution.

SYMPTOM	CAUSE	SOLUTION
Display Stays at Zero	1. Load Cell connections faulty. 2. Instrument faulty. 3. Damaged Interface Cables.	1. Cable replacement. 2. Service Instrument. 3. Test and replace according to Subsection **3.2.3.** and **3.2.4.**
Erratic Weights	— Foreign object around load cells, ramps, or under platform. — Excessive vibration near platform. — Instrument faulty. — Platform not level within ¼" (3.0°). — Surface not smooth within 1/8". — Faulty/bad Load Cell.	1. Clear the area. 2. Remove the vibration source. 3. Service Instrument. 4. Level the platform surface. 5. Smooth the platform surface. 6. Test and replace according to Subsection **3.2.3.** and **3.2.4.**
Inaccurate Weights	1. Instrument out of span. 2. Instrument not properly adjusted to zero. 3. Faulty/bad Load Cell.	1. Check and alter per the Instrument Service Manual. 2. Zero the instrument according to normal operation procedures. 3. Test and replace according to Subsection **3.2.3.** and **3.2.4.**

3.2.1. Disassembling the Platform

1. Cycle-down the power to the indicator, then unplug the unit, if applicable.

C A U T I O N

***ALWAYS* remove power from the Instrument before servicing.**

2. Lay down the Scale on its back.

3. At the Wheel-base End of the Platform, remove the **four (4) Fastening Bolts of the Cover** using the **seven-sixteenths inch (7/16") Open-ended Wrench.**

4. Using a **half inch (½") Open-ended Wrench**, unscrew the **four (4) Bolts** on each corner of the Platform until each is past the Load Cell Rubber Foot.

5. Carefully pull up, then out the top edge of the Scale Platform, and lay it down on the Pillar.

✓ **Be careful not to pinch fingers.**

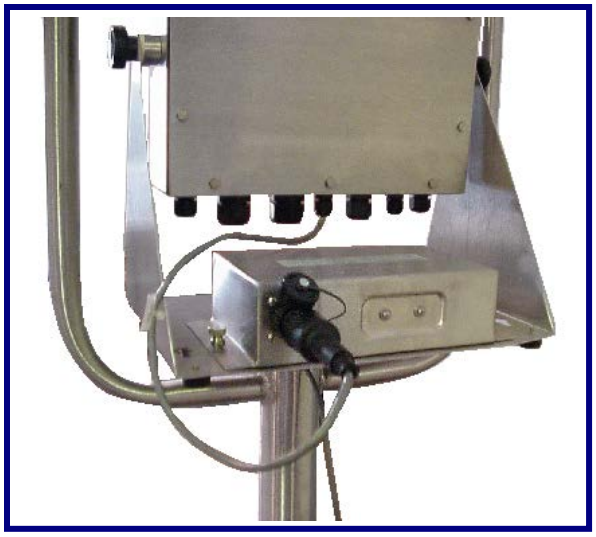
– Doing this will expose where the Cables meet at the base of the Indicator Pillar, and also the Load Cell Connections in each corner.

6. Check the Interface Cable from the Platform to the Instrument for visible breaks or cracks.

– ***While laying down the Platform, pull out some slack of the wires from the hole to the Pillar.***

3.2.2. Pillar Replacement Steps

1. Unplug/remove the cable to the Indicator (*or Battery Pack Unit*) from the Scale Platform connection.

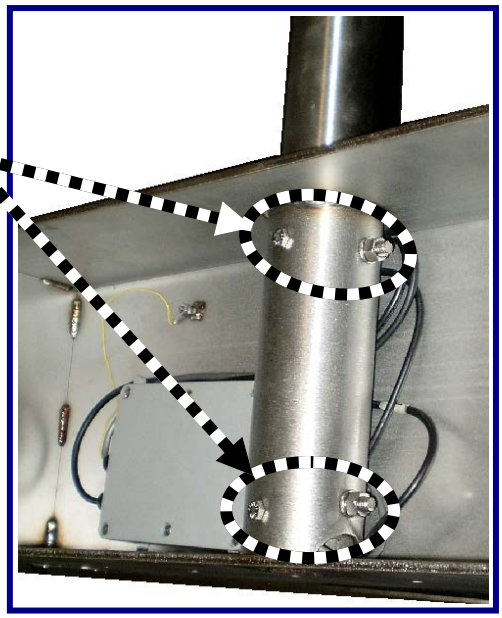


2. If it is present, remove the fastening screws on the battery pack, pulling it away and setting it aside.

3. Remove all the fastening bolts on the Indicator Stand, pulling the Indicator away and setting it aside.

4. At the Wheel-base side of the Platform, remove the **four (4) Fastening Bolts of the Cover** using the **seven-sixteenths inch (7/16") Open-ended Wrench.**
5. Once opened, check the Interface Cable from the Platform to the Indicator for visible breaks or cracks.
6. Replace the cable, if needed.

3.2.2. Pillar Replacement Steps, Continued



7. Use two **9/16" Open-ended Wrenches** on the **3/8" x 3-1/2" Bolts through the Pillar** and on the **Fastening Nuts.**
8. Remove the **(2) ¼" x .50" Bolts** using a **7/16" Open-ended Wrench** to loosen the pillar from the base.
9. Carefully push the Indicator Cable through the top Access Hole, pulling the old Pillar away from the base carefully, ***tugging the cable gently if it hangs up so not to damage it.***
10. Carefully push the Indicator Cable up through the new Pillar, and then out through the top Access Hole.
    - Allow extra slack on the cable.
11. Insert the new Pillar into its hole on the Base, pulling the cable firmly at the top to remove the slack.
12. Fasten the new Pillar Unit to the Base with the **Nuts** and **Bolts.**
13. Rewire the cable to the Indicator.

3.2.3. Load Cell Testing

When corners do not match the correct tolerances, disconnect/cut each Load Cell Cable at the Wheel Base Access Area, then test each Load Cell for the settings on the following chart.

TEST	READING	REMARKS
Green to Black (Input)	1106 Ohms (+5 / -2 Ohms)	Input Resistance
Red to White (Output)	1000 Ohms (+5 / -2 Ohms)	Output / Bridge Resistance
Yellow (Shield) to Load Cell Case	More than 1,000 megohms	Insulation Resistance
Input and Output Leads to Shield		
Input and Output Leads to Case		

3.2.4. Load Cell Replacement

NOTE: *A* **Torque Wrench of up to 90 ft/lbs** *must be used when replacing the Load Cells.*

1. Remove the two bolts securing each Load Cell to its mounting block.
2. Pull away the Load Cell from the Platform.
3. Follow the Interface Cable down through Pillar Access Hole to the Side Rails to either the **Junction Box** (*for Stainless Steel Models*), or the **Summing Area** (*for Mild Steel Models*).

– Pull the cable back and forth to be certain it is the correct one.

– ***Make a note of the cable routing design and the wiring connections.***

Load Cells are in the ***nearest position to the Access Hole.***

3.2.4. Load Cell Replacement, Continued

4a. For a **Stainless Steel Scale**, remove the six (6) Phillips-head screws securing the Junction Box Cover.

4b. Open the Junction Box Cover, identifying the correct cable.

5. Cut the five (5) Load Cell Cable bundled connections inside the Junction Box.

6a. If the Load Cell being replaced is in the ***farthest position***, ***tie a drag string to the cable, securing it with tape.***

– The cable for the ***nearest position*** Load Cells can be accessed and pulled through much easier.

6b. Carefully pull the Load Cell Cable out through the access hole, down the Side Rail***, tugging gently so the string will stay fastened to it.***

7. Carefully remove the replacement Load Cell from its packing, inspecting it thoroughly for any obvious shipping or handling damages.

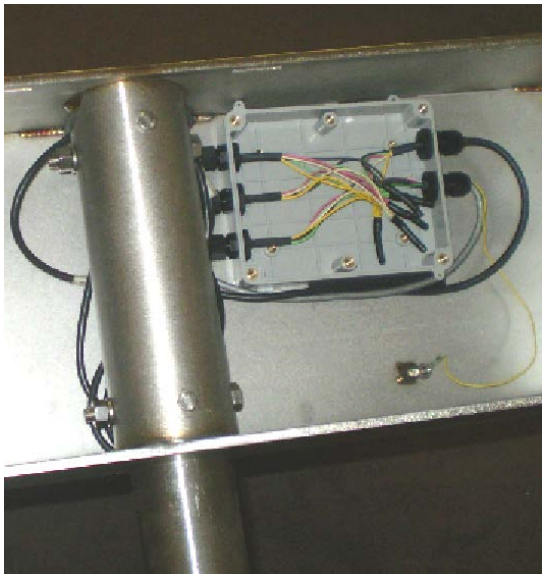
8. For Load Cell being replaced is in the ***farthest position***, ***tie the drag string to the new cable, securing it with tape.***

9. Pull the new Cable back trough the Scale Platform, through the Pillar Access Hole, and then into the Junction Box (*if Stainless Steel Scale*), using the identical path as the old cable.

10. Place the replacement Load Cell onto its Mounting Block, then secure it with the two (2) Mounting Bolts.

11. Assemble foot to the new load cell, tightening foot fully.

12. Torque each Mounting Bolt to 90 ft/lbs.



*Be **very careful** to select the correct Load Cell Cable before cutting and replacing it.*

The Junction Box attaches with Velcro®.

3.2.4. Load Cell Replacement, Continued

13. Strip away all the insulation from the four (4) Load Cell to ***a minimum of ¾".***

14. Using **Crimp Connectors,** fasten all five (5) green wires together, all five (5) black wires together, all five (5) white wires together, all five (5) red wires together, and all five (5) yellow wires together.

15. Replace the Junction Box Cover (*for Stainless Steel Scales*), then the Platform Back Cover.

WIRE COLOR	
Red	(–) Signal
White	(+) Signal
Black	(–) Excitation
Green	(+) Excitation
Yellow	Ground

16. Place scale upright and find a level location to calibrate the scale.
    - If the scale rocks in the frame, adjust one of the front load cell feet to correct it.
17. Reapply power to the Instrument.
18. ***Recalibrate the scale with the Instrument Service Manual.***
19. Test the Platform for proper operations.

3.2.5. Replacing the Scale Platform Wheels

NOTE: *It is not necessary to remove the* **End Cover** *for servicing a defective* **Wheel,** *but it may be easier.*

1. Using **two (2)** **three-quarter inch (¾") Open-ended Wrenches**, remove the Nut from the Axle Bolt, then discard the defective Wheel.
2. Replace the Wheel.
3. Screw the Axle Bolt to the Nut.
4. Place the Scale upright, then put it where it best suits the user needs.
    - If the scale rocks in the frame, adjust one of the front load cell feet to correct it.

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Section 4: Parts

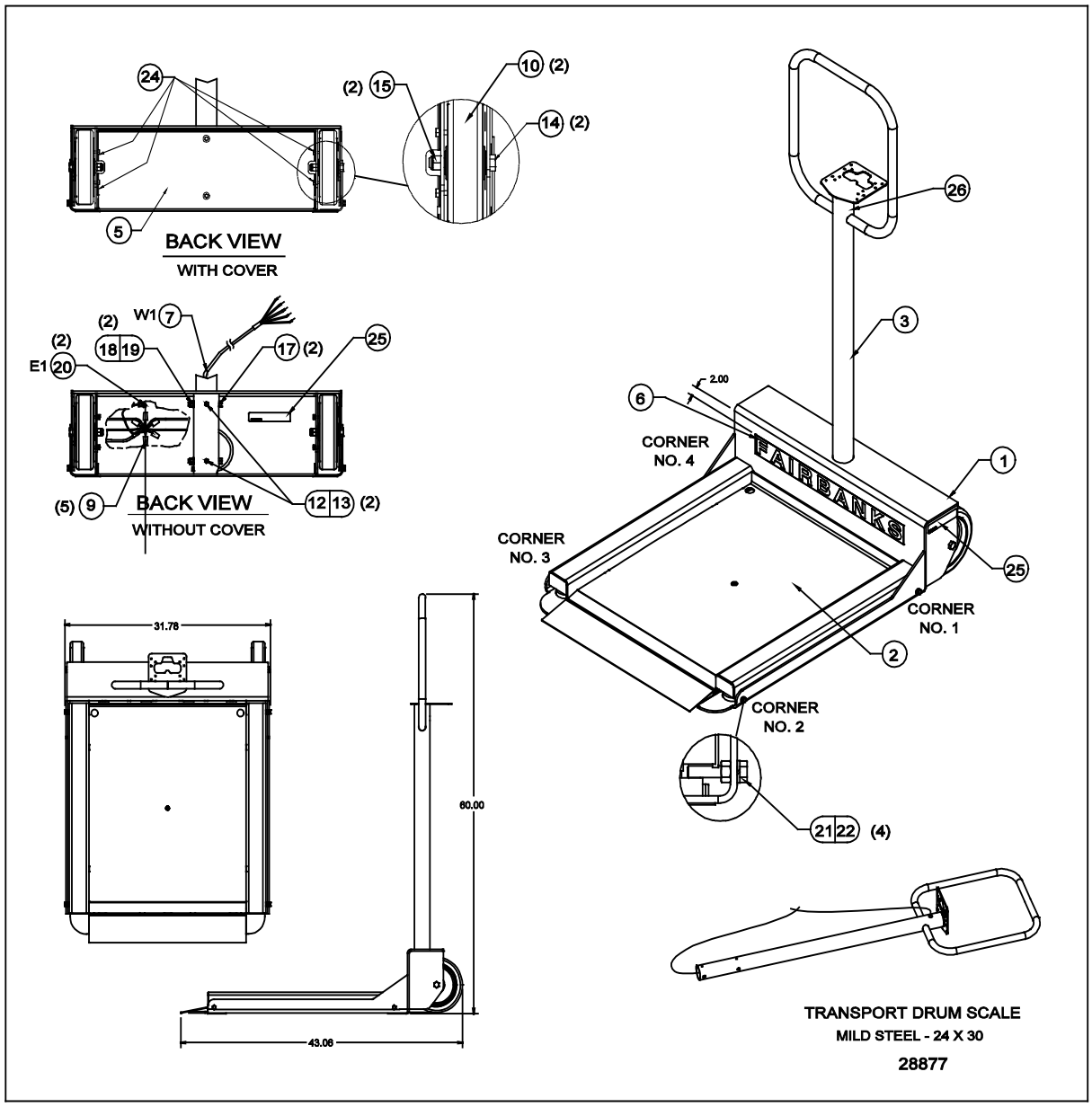
4.1. 24" X 30" MILD STEEL PARTS LIST (P/N 28877)

PARTS LIST			
ITEM	PART NO.	QTY	DESCRIPTION
1	28861	1	WELDMENT, BASE
2	SEE TAB	1	SCALE, SUB ASSY DRUM .5 K
3	28867	1	PILLAR WELDMENT
4			
5	28752	1	COVER
6	28896	1	LABEL, FAIRBANKS
7	28887	1	CABLE ASSY, 7 FT W1
8			
9	24988	5	WIRE NUT, CRIMP ON STYLE
10	28806	2	WHEEL
11			
12	11091	2	WASHER-MED SP 1/4 SS
13	11056	2	SCREW-CAP-HEX HD 1/4-28 X .50 - SS
14	28750	2	SCREW-CAP-HEX HD 1/2-13 X 3.50-MS
15	11016	2	NUT, STOP-NYLON INSERT 1/2-13-MS
16			
17	10466	2	SCREW-CAP-HEX HD-3/8-16 X 3.50-MS
18	10923	2	WASHER-MED SP 3/8 MS
19	10109	2	NUT, HEX 3/8-16 MS
20	10105	2	NUT, HEX 10-24 MS
21	28893	4	SCREW-CAP-HEX HD 5/16-18 X 1.50-MS
22	10922	4	WASHER-MED SP 5/16 MS
23			
24	28599	4	SEALING SCREW 1/4-20 X .50
25	SEE TAB	2	NAMEPLATE
26	17936	1	BOOT
27	12189	2	SEAL, HEAVY METER
28	51191	1	MANUAL
29	11078	4	SCREW-CAP-HEX HD 8-32 X .50
30	11104	4	NUT, HEX 8-32
31	11095	4	WASHER, LOCK - MED SP #8
32	11126	4	WASHER, PLAIN #8

PART NO.	MODEL NO.	CAPACITY	SCALE SUB ASSY
28880	3200-303	2500 LB	28793
28879	3200-302	2000 LB	28793
28878	3200-301	1000 LB	28793
28877	3200-300	500 LB	28792

TRANSPORT DRUM SCALE
MILD STEEL - 24 X 30
28877

4.2. 24” X 30” MILD STEEL PARTS DIAGRAM (P/N 28877)



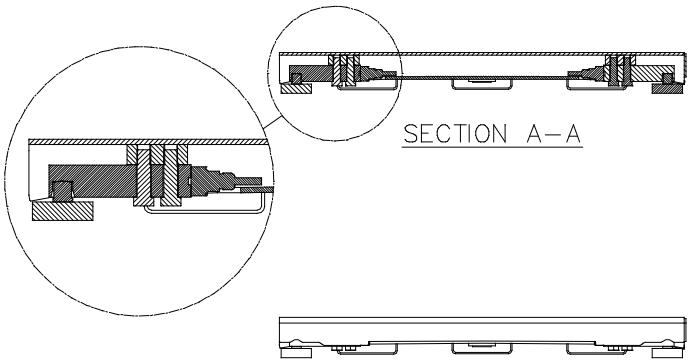
4.3. 24" X 30" MILD STEEL SUB-ASSEMBLY (P/N 28792, 28793)

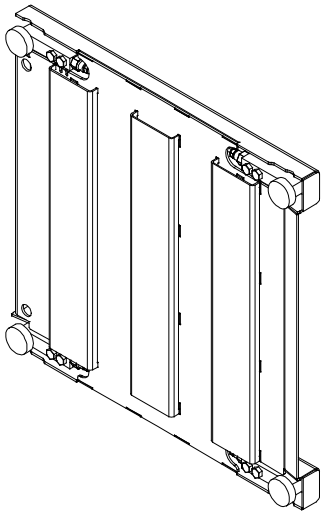
PARTS LIST			
ITEM	PART NO.	QTY	DESCRIPTION
1	28790	1	WELDMENT, PLATFORM
2	SEE TAB	4	LOAD CELL LC1–LC4
3	11168	8	SCREW, CAP, 1/2–20 X 1.75
4	63899	4	FOOT
5			
6	11039	1	BUBBLE LEVEL
7	13223	A/R	ADHESIVE SEALANT – RTV
8			
9			

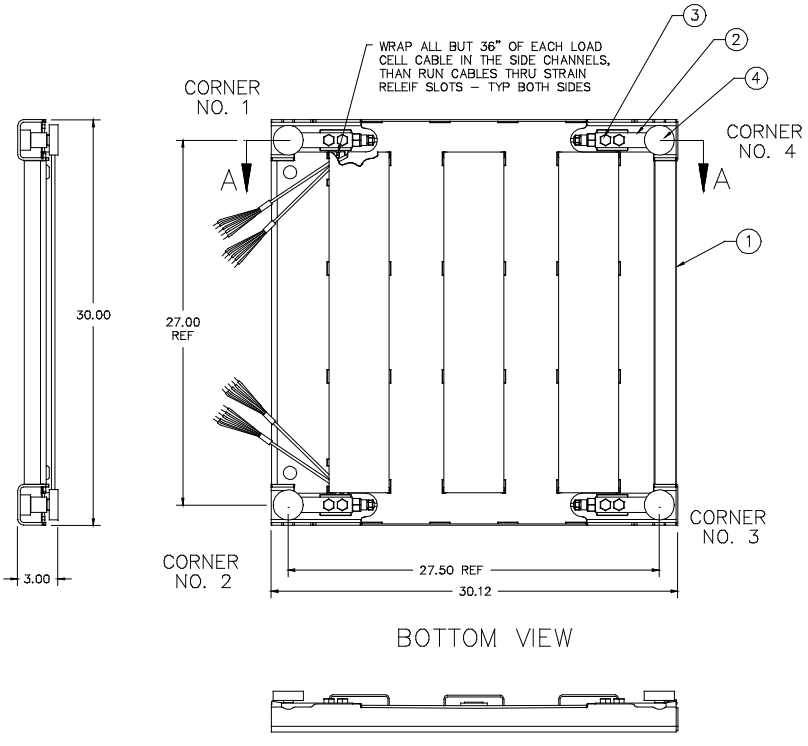
28793	1000 LB	83634
28792	500 LB	63893
PART NO.	LOAD CELL CAPACITY	LOAD CELL

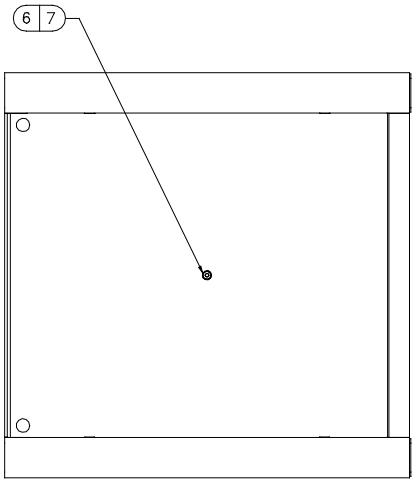
NOTES:

1. APPLY ANTI–SEIZE SEALING COMPOUND TO THE SCREWS, ITEM 3, PRIOR TO ASSEMBLING AND TORQUE SCREWS TO 90 FT–LBS.









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4.4. 24" X 30" STAINLESS STEEL PARTS LIST (P/N 28881)

PARTS LIST			
ITEM	PART NO.	QTY	DESCRIPTION
1	28862	1	WELDMENT, BASE
2	SEE TAB	1	SCALE, SUB ASSY DRUM .5 K
3	28868	1	PILLAR WELDMENT
4			
5	28753	1	COVER
6	28896	1	LABEL, FAIRBANKS
7	28887	1	CABLE ASSY, 7 FT W1
8	28729	1	BOX ASSY, PLASTIC JUNCTION
9	24988	5	WIRE NUT, CRIMP ON STYLE
10	28806	2	WHEEL
11			
12	11091	2	WASHER-MED SP 1/4 SS
13	11056	2	SCREW-CAP-HEX HD 1/4-28 X .50 - SS
14	28751	2	SCREW-CAP-HEX HD 1/2-13 X 3.50-SS
15	28763	2	NUT, STOP-NYLON INSERT 1/2-13-SS
16			
17	11080	2	SCREW-CAP-HEX HD-3/8-16 X 3.50-SS
18	11090	2	WASHER-MED SP 3/8 SS
19	11097	2	NUT, HEX 3/8-16 SS
20	11099	2	NUT, HEX 10-24 SS
21	28894	4	SCREW-CAP-HEX HD 5/16-18 X 1.50-SS
22	11093	4	WASHER-MED SP 5/16 SS
23			
24	28599	4	SEALING SCREW 1/4-20 X .50
25	SEE TAB	2	NAMEPLATE
26	17936	1	BOOT
27	12189	2	SEAL, HEAVY METER
28	51191	1	MANUAL
29			
30	14721	3"	VELCRO, LOOP
31	14722	3"	VELCRO, HOOK
32	11078	4	SCREW-CAP-HEX HD 8-32 X .50
33	11104	4	NUT, HEX 8-32
34	11095	4	WASHER, LOCK - MED SP #8
35	11126	4	WASHER, PLAIN #8

NAMEPLATE INFORMATION

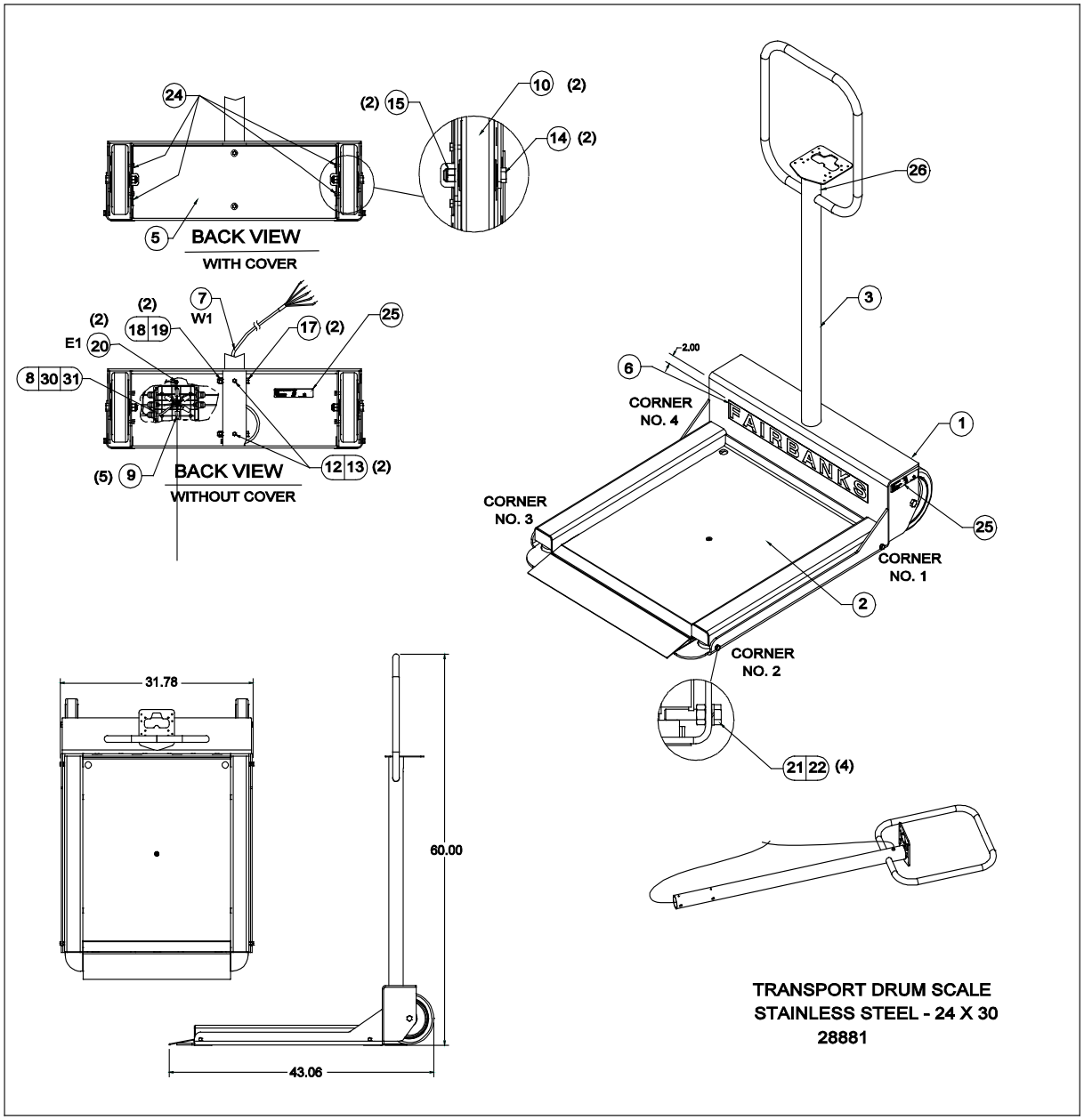
PART NO.	MODEL NO.	CLASS	NTEP CC	CAPACITY	TEMP	n MAX	e MIN	NAMEPLATE	UL APPROVED
28873	3200-304	III		500 LB	————	5000	.1 LB	15656	-
28874	3200-305	III		1000 LB	————	5000	0.2 LB	15656	-
28875	3200-306	III		2000 LB	————	5000	0.5 LB	15656	-
28876	3200-307	III		2500 LB	————	5000	0.5 LB	15656	-

PART NO.	MODEL NO.	CAPACITY	SCALE SUB ASSY	NAMEPLATE
28884	3200-307	2500 LB	28795	28876
28883	3200-306	2000 LB	28795	28875
28882	3200-305	1000 LB	28795	28874
28881	3200-304	500 LB	28794	28873

PORTABLE DRUM SCALE
STAINLESS STEEL-24 X 30

51191-1A

4.5. 24” X 30” STAINLESS STEEL PARTS DIAGRAM (P/N 28881)



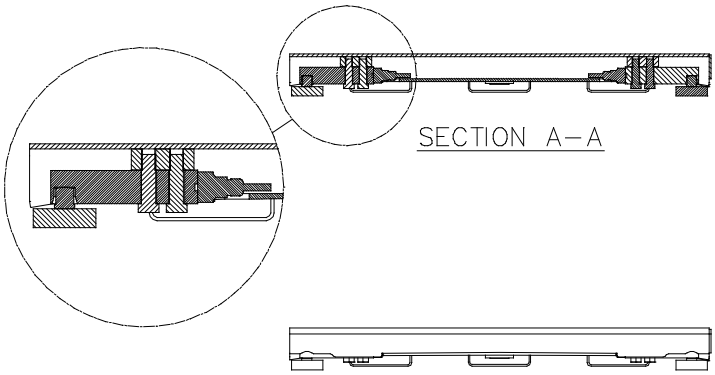
4.6. 24" X 30" STAINLESS STEEL SUB-ASSEMBLY (P/N 28794, 28795)

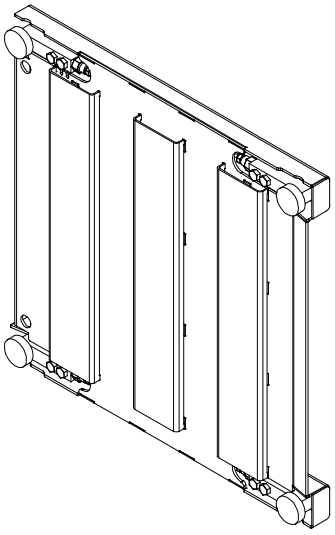
PARTS LIST			
ITEM	PART NO.	QTY	DESCRIPTION
1	28791	1	WELDMENT, PLATFORM
2	SEE TAB	4	LOAD CELL LC1–LC4
3	11080	8	SCREW, CAP, 1/2–20 X 1.75
4	63899	4	FOOT
5			
6	11039	1	BUBBLE LEVEL
7	13223	A/R	ADHESIVE SEALANT – RTV
8			
9			

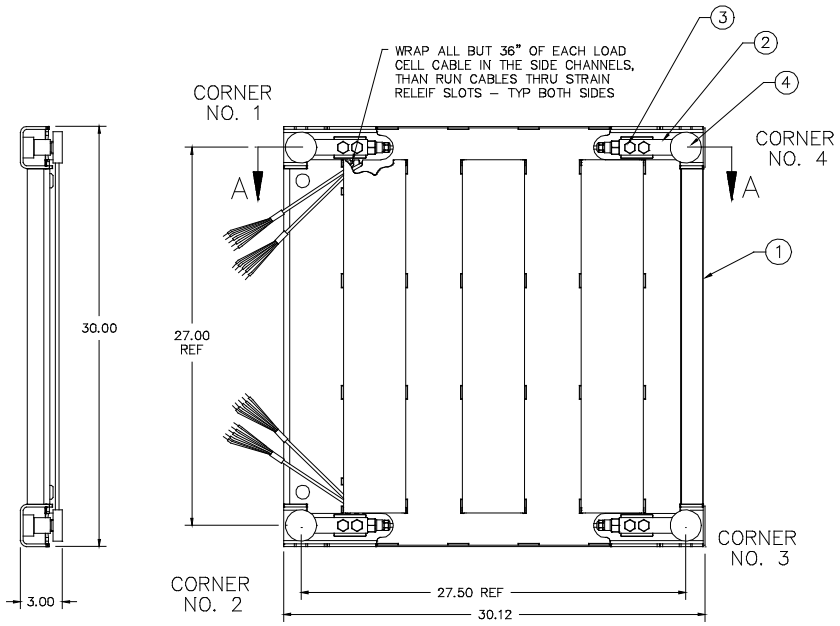
28795	1000 LB	63895
28794	500 LB	63898
PART NO.	LOAD CELL CAPACITY	LOAD CELL

NOTES:

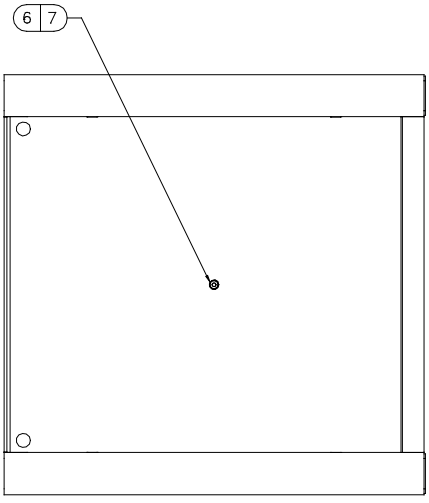
1. APPLY ANTI–SEIZE SEALING COMPOUND TO THE SCREWS, ITEM 3, PRIOR TO ASSEMBLING AND TORQUE SCREWS TO 90 FT–LBS.







BOTTOM VIEW



TOP VIEW

51191_28794dwg

Fairbanks Transport Scale

INSTALLATION MANUAL

DOCUMENT 51191

Manufactured by Fairbanks Scales, Inc.
821 Locust
Kansas City, MO 64106

www.fairbanks.com