DETECTO®

6550/6550KGEU

Portable Wheelchair Scale

Service Manual

FCC COMPLIANCE STATEMENT

This equipment generates uses and can radiate radio frequency and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may cause interference in which case the user will be responsible for taking whatever measures necessary to correct the interference.

You may find the booklet "How to Identify and Resolve Radio-TV Interference Problems" prepared by the Federal Communications Commission helpful. It is available from the U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 001-000-00315-4.

PROPER DISPOSAL

When this device reaches the end of its useful life, it must be properly disposed of. It must not be disposed of as unsorted municipal waste. Within the European Union, this device should be returned to the distributor from where it was purchased for proper disposal. This is in accordance with EU Directive 2002/96/EC. Within North America, the device should be disposed of in accordance with the local laws regarding the disposal of waste electrical and electronic equipment.

It is everyone’s responsibility to help maintain the environment and to reduce the effects of hazardous substances contained in electrical and electronic equipment on human health. Please do your part by making certain that this device is properly disposed of. The symbol shown to the right indicates that this device must not be disposed of in unsorted municipal waste programs.

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DISCLAIMER

While every precaution has been taken in the preparation of this manual, the Seller assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein. All instructions and diagrams have been checked for accuracy and ease of application; however, success and safety in working with tools depend to a great extent upon individual accuracy, skill, and caution. For this reason, the Seller is not able to guarantee the result of any procedure contained herein. Nor can they assume responsibility for any damage to property or injury to persons occasioned from the procedures. Persons engaging in the procedures do so entirely at their own risk.

NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Weighing/Load Receiving Element
Floor Scale, Load Cell Electronic
Model: 6000
n_{max}: 5000
e_{min}: 0.2 lb
Capacity: 1000 lb (453 kg)
Platform: See below
Accuracy Class: III

Submitted By:
Cardinal Scale Manufacturing Company
102 East Daugherty Street
Webb City, MO 64870
Tel: 417-673-4631 x 212
Fax: 417-673-2153
Contact: Thomas Schuller
Email: tschuller@cardet.com
Website: www.cardet.com

Standard Features and Options

Platform Construction:

- Mild steel

Platform Dimension and Area:

- Platform dimension of device evaluated: 40 in x 40 in (101 cm x 101 cm).
- Maximum platform area: 1600 sq in (10 322 cm^2).
- The platform length or width can be 125% greater than the evaluated dimensions (maximum of 50 in (127 cm), but overall platform area cannot exceed 1600 sq in (10 322 cm^2).

NTEP and non-NTEP Load Cell:

- The load cell used during the evaluation was a Cardinal Scale Manufacturing Company, model LFB (listed on Certificate of Conformance Number 20-047), which can be substituted with another NTEP certified and metrologically equivalent load cell.

Temperature Range**:** 10 °C to 40 °C (50 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of *Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices*. Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Mahesh Albuquerque
Chairman, NCWM, Inc.

Ivan Hankins
Chair, NTEP Committee
Issued: May 16, 2023

Cardinal / Detector Scale Manufacturing Company

Weighing/Load Receiving Element Model 6000

Application: The weighing/load receiving element may be used for general weighing purposes when interfaced with a compatible and NTEP certified indicating element.

Identification: An adhesive identification badge is located on the side of the device.

Sealing: A wire security seal may be attached to two screws located underneath a black cap on the platter (see image below).

Operation: The device has a level indicator attached to the top of the platform under a black cap.

Test Conditions: The emphasis of the evaluation was on the device design, performance, marking requirements, and compliance with influence factor requirements. The Cardinal Scale model 6000 W/LRE was evaluated at 1000 x 0.2 lb. Several increasing/decreasing load tests and shift tests were performed. The model 6000 was tested over a temperature range of 10 °C to 40 °C (50 °F to 104 °F). A load of approximately one-half capacity was applied to the scale 100 000 times. The shift test, discrimination, and linearity were repeated after the permanence test.

Evaluated By: B. Sipe (OH) 23-041 (CN:10695)

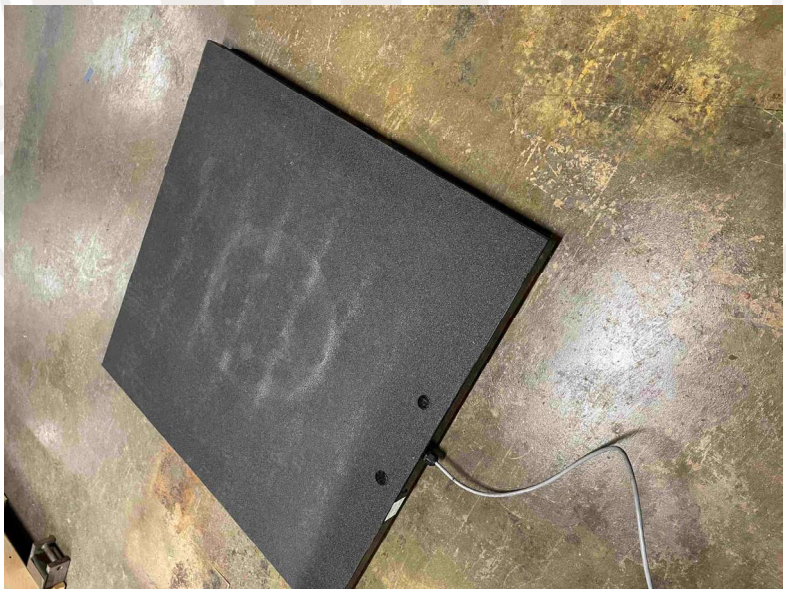
Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2023 Edition. *NCWM Publication 14: Weighing Devices*, 2023 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: Darrell Flocken (NCWM) 23-041

Example(s) of Device:

Model 6000:



Cardinal / Detector Scale Manufacturing Company

Weighing/Load Receiving Element Model 6000

Sealing for Model 6000:

CE DECLARATION OF CONFORMITY

Instrument Model:	**6500KGEU, 6550KGEU, 6854KGEU, 6800KGEU, 6854KGEUDHR, 6855KGEU, 6856KGEU, 6857KGEUDHR, 6868KGEU, 6875KGEU, 6876KGEU, BRW1000KGEU, CRM-1000D, GP-400KGEU**
Manufacturer:	Cardinal Scale Manufacturing Company Detecto Scale 203 East Daugherty Street Webb City, Missouri 64870 USA Telephone No. + 417 673 4631 Fax No. + 417 673 5001
Type Approval Certificate(s):	MV2 DK0199.436 Revision 1 LFB250M,LFB250P R60/1991-DK-00.02
Test Certificate(s):	MV2 DANAK-191374 LFB250M, LFB250P DANAK-193262
Notified Body Issuing Approval for Module B: EU Type Examination (Annex II.2 of 2014/31/EU):	0199-Delta

Conformity to the following Directives is demonstrated by reference to the following harmonized standards or technical documentation

Applicable Directives	**Harmonized Standards or Other Technical Documentation**
Directive on Non-Automatic Weighing Instruments (2014/31) including all Essential Requirements of Annex I:	EN45501:1992/Module B
Directive on Electromagnetic Compatibility (2014/35):	EN61000-4-2 for Electrostatic discharge immunity and EN61000-4-3 for Radiated, radio frequency, and electromagnetic field immunity test.
Directive on Electrical Equipment designed to use within certain Voltage limits (2006/95):	EN61000-4-7 for General guide on harmonics measurements and instrumentation for power supply systems and connected equipment.
Directive for Medical Devices, 93/42/EU Class I Medical Device	EN ISO13485:2012 Certificate 1004213 issued by Orion Registrar, Inc.

The Technical Construction File required by this Directive is maintained at the corporate headquarters of Cardinal Scale Manufacturing Company.

This declaration is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of Cardinal Scale Manufacturing 203 East Daugherty, Webb City MO, 64870:

_____

Mark Levels
Manager, Quality Assurance

2/23/2017

Rev D

EU-6550KGEU

DECLARATION OF CONFORMITY
with WELMEC 2 paragraph 12

COMPATIBILITY OF MODULES

Ref.: WELMEC 2 (2000)

Non-Automatic Weighing Instrument, single-interval.

Certificate of EU Type-Approval N°: TAC: DK0199.436

INDICATOR

A/D (Module 1) Type: MV2

Accuracy class according to EN 45501 and OIML R76:	$Class_{ind}$ (I, II, III or IIII)		III		
Maximum number of verification scale intervals (n_{max}):	n_{ind}		6000		
Fraction of maximum permissible error (mpe):	p_1		0.5		
Load cell excitation voltage:	U_{exc}	[Vdc]	5		
Minimum input-voltage per verification scale interval:	Δu_{min}	[µV]	0.83		
Minimum load cell impedance:	R_{Lmin}	[Ω]	87		
Coefficient of temperature of the span error:	Es	[% / 25°C]			0.006
Coefficient of resistance for the wires in the J-box cable:	Sx	[% / Ω]			0.0152
Specific J-box cable-Length to the junction box for load cells:	$(L/A)_{max}$	[m / mm²]			127
Load cell interface:			4-wire (no sense)		
Additive tare, if available:	T^+	[% of Max]	5		
Initial zero setting range:	IZSR	[% of Max]	-2	/	2
Temperature range:	T_{min} / T_{max}	[°C]	-10	/	40
Test report (TR), Test Certificate (TC) or OIML Certificate of Conformity:			DANAK-1913746		

LOAD RECEPTOR

(Module 2) Type:

Construction:			Platform		
Fraction of mpe:	p_2		0.5		
Number of load cells:	N		4		
Reduction ratio of the load transmitting device:	$R=F_M / F_L$		1		
Dead load of load receptor:	DL	[% of Max]	38.95		
Non uniform distribution of the load:	NUD	[% of Max]	20		
Correction factor:	$Q = 1 + (DL + T^+ + IZSR^+ + NUD) / 100$		1.6595		

LOAD CELL

ANALOG (Module 3) Type: LFB-250P

Accuracy class according to OIML R60:	$Class_{LC}$ (A, B, C or D)		C		
Maximum number of load cell intervals:	n_{LC}		3000		
Fraction of mpe:	p_3		0.7		
Rated output (sensitivity):	C	[mV / V]	2.2		
Input resistance of single load cell:	R_{LC}	[Ω]	350		
Minimum load cell verification interval: ($v_{min\%}$ = 100 / Y)	$v_{min\%}$	[% of Emax]	0.02		
Rated capacity:	E_{max}	[kg]	125		
Minimum dead load, relative:	$(E_{min} / E_{max}) * 100$	[%]	0		
Temperature range:	T_{min} / T_{max}	[°C]	-10	/	40
Test report (TR) or Test Certificate (TC/OIML) as appropriate:			R60/1991-DK-00.02		

COMPLETE WEIGHING INSTRUMENT

Single-interval

Manufacturer: Detecto Type: 6550KGEU

Accuracy class according to EN 45501 and OIML R76:	$Class_{WI}$ (I, II, III or IIII)		III		
Fractions: $p_i = p_1^2 + p_2^2 + p_3^2$:	p_i		1.0		
Maximum capacity:	Max	[kg]	300		
Number of verification scale intervals:	n		3000		
Verification scale interval:	e	[kg]	0.1		
Utilisation ratio of the load cell:	$\alpha = (Max / E_{max}) * (R / N)$		0.60		
Input voltage (from the load cell s):	$\Delta_u = C * U_{exc} * \alpha * 1000 / n$	[µV/e]	2.20		
Cross-section of each wire in the J-box cable:	A	[mm²]	0.22		
J-box cable-Length:	L	[m]	5		
Temperature range to be marked on the instrument: Not required	T_{min} / T_{max}	[°C]			
Peripheral Equipment subject to legal control:					

Acceptance criteria for compatibility				Passed, provided no result below is < 0	
$Class_{WI}$	<=	$Class_{ind}$ & $Class_{LC}$	(WELMEC 2: 1)	$Class_{WI}$:	PASSED
pi	<=	1	(R76: 3.5.4.1)	1 - pi =	0.0
n	<=	n_{max} for the class	(R76: 3.2)	n_{max} for the class - n =	7000
n	<=	n_{ind}	(WELMEC 2: 4)	n_{ind} - n =	3000
n	<=	n_{LC}	(R76: 4.12.2)	n_{LC} - n =	0
E_{min}	<=	DL * R / N	(WELMEC 2: 6d)	(DL * R / N) - E_{min} =	29.2125
$v_{min} * \sqrt{N} / R$	<=	e	(R76: 4.12.3)	e - (v_{min} * √N / R) =	0.050
or (if v_{min} is not given)				Alternative solutions: ↑ ↓	
$(E_{max} / n_{LC}) * (\sqrt{N} / R)$	<=	e	(WELMEC 2: 7)	e - $((E_{max} / n_{LC}) * (\sqrt{N} / R))$ =	
Δu_{min}	<=	Δu	(WELMEC 2: 8)	$\Delta u - \Delta u_{min}$ =	1.37
R_{Lmin}	<=	R_{LC} / N	(WELMEC 2: 9)	(R_{LC} / N) - R_{Lmin} =	1
L / A	<=	$(L / A)_{max}^{WI}$	(WELMEC 2: 10)	$(L / A)_{max}^{WI}$ - (L / A) =	347
T_{range}	<=	$T_{max} - T_{min}$	(R76: 3.9.2.2)	(T_{max} - T_{min}) - T_{range} =	20
Q * Max * R / N	<=	E_{max}	(R76: 4.12.1)	E_{max} - (Q * Max * R / N) =	0.5

Signature and date:

Conclusion . . . . . PASSED

This is an authentic document made from the program:
"Compatibility of NAWI-modules version 3.0".

CARE AND CLEANING

Indicator

The indicator contains no user-serviceable parts and maintenance should be limited to an occasional cleaning and battery replacement as required.

General Cleaning Instructions

- Do not submerge the scale or indicator in water, pour or spray water directly on them to clean. The scale and indicator are not waterproof and covering them with water will damage them and void the warranty.
- Always remove power before cleaning.
- When cleaning, use only damp soft cloths or plastic scouring pads for cleaning cloth and a mild non-abrasive detergent.
- **DO NOT** use acetone, thinner, or other volatile solvents for cleaning.
- **DO NOT** use things that will scratch the surface, such as steel pads, wire brushes, and scrapers.

Powder Painted Steel Care and Cleaning

While powder-painted steel is attractive and so durable that it will last many years longer than ordinary painted steel, it is desirable to clean it thoroughly on a routine basis. There are three basic things that should be remembered when cleaning powder-painted steel.

1. Do not use wire brushes, abrasives, or cleaning tools such as steel pads and scrapers, which will scratch the painted surface. Instead, use soft cloths or plastic scouring pads for cleaning. Clean food equipment frequently to avoid build-up.
2. When possible, use treated water. Hard water can leave behind deposits. Soft water is much gentler on the painted steel's surface.
3. Avoid the use of acetone, thinner or other volatile solvents, and abrasive-type cleaners for cleaning. If required, a mild solvent such as mineral spirits can be used to remove oil, grease, tars, wax, and similar substances. Use a cloth dampened with mineral spirits and apply only to areas that are contaminated. Follow up the use of this mild solvent with detergent cleaning and rinsing.

6550/6550KGEU

PORTABLE WHEELCHAIR SCALE

TEST PROCEDURE

A. EQUIPMENT REQUIRED

B. SETUP

C. SCALE TRIM ADJUSTMENT

D. CALIBRATION

E. FINAL TEST

A. Equipment Required

Scale under test
Standard Hand tools
Test Weights: Appropriate certified weights to accomplish the linearity tests

B. Setup - HI RES MODE (MV2 ONLY, OTHERWISE GO TO STEP C.)

1. Assemble scale.
2. Plug the unit into power.
3. For **KGEU** models, first go to the setup table and Calibrate the scale. Next, return here to initiate the HI RES mode for the scale trim adjustment. Then recheck the capacity weight and recalibrate if necessary.
4. Enter Setup Review:
   With the MV2 on press and hold the **CLEAR (←)** key
   When the screen says SETUP
   Release the **CLEAR (←)** key
   Press **ENTER** until you see the **HIGH-RESOLUTION** prompt
   Change **HIGH RESOLUTION** to YES and press **ENTER**
   Exit setup review mode

C. Scale Trim Adjustment

1. Gain access to the junction box and remove the cover.
2. Place a test weight of at least 25 percent of scale capacity on each corner, one at a time, and record each displayed weight.
3. Place the test weight on the corner with the highest displayed weight and adjust the appropriate trim potentiometer counterclockwise until the corner reading agrees with the lowest weight reading.
4. Repeat Step No. 3 until all corners are within tolerance. For tolerance values, refer to the Linearity Check Table in the **E. Final Test** section.
5. If any trim pot reaches the end of adjustment in the CCW direction then turn all potentiometers clockwise 25 turns or until a click is heard. Now turn all potentiometers counterclockwise 1 (one) turn and repeat steps 2 - 4.
6. Turn the power off.

D. Calibration

1. To begin Calibration and Setup, make sure the MV1 indicator is turned on.
2. Next, looking at the front of the MV1, remove the two screws from the left end cap and remove the end cap.
3. Locate the calibration switch access hole near the bottom of the side panel, and insert a small hex wrench or tool through the access hole.
4. Press and hold the calibration switch until the display changes to show SETUP in large letters at the top of the display, and SCALE in smaller letters at the bottom.
5. Release the calibration switch. You are now ready to perform calibration.
6. During setup and calibration, pressing the **PRINT/ENTER** key will cause the data displayed, to be retained and the indicator to advance to the next prompt. Change the value by entering the new data using the numeric keypad, and then pressing the **PRINT/ENTER** key.
7. Follow the prompts listed in the MV1 SETUP TABLE.

MV1 SETUP TABLE	
CAPACITY =	1000
OIML =	NO
UNITS =	2
INTERVAL =	2
dECIMAL =	1
MOTION RANGE =	2
SAMPLE RATE =	2
ZERO LIMIT =	no
POWER UP ZERO =	no
ZERO TRACKING =	3
FILTER MOdE =	2
FILTER LEVEL =	0
CALIbRATE =	YES
NUM CAL POINTS =	1
LOAdEd CAL WT =	APPLY FULL CAPACITY WEIGHT
UNLOAd	REMOVE TEST WEIGHTS
GRAVITY ENAbLE =	no
HOLd MOdE =	2
BANd =	99
LANGUAGE =	0
bACKLIGHT =	150
KEYPAd bEEP =	YES
SLEEP MOdE =	4
AUTO SHUT OFF =	2
KEY dISAbLE =	0
ENAbLE Id =	no
bARCOdE =	no
USE HEIGHT =	no
bOdY MASS IdX =	YES
HI RESOLUTION =	no
RS232 MOdE =	3
bAUd RATE =	3
PRINTER TYPE =	0
END OF PRINT =	0
USb MOdE =	1
YEAR [YYYY] =	Enter current year
MONTH [1-12] =	Enter current month
dAY [1-31] =.	Enter current day of the month
HOUR [0-23] =	Enter current hour in 24-hour format
MINUTE [0-59] =	Enter current minute
SECONd [0-59] =	Enter current second
24 HOUR TIME =	no

MV2 SETUP TABLE	
CAPACITY =	IF USING LB WEIGHTS, SET @ 400 (AFTER CAL RESET TO 300)
OIML =	YES
INTERVAL =	1
dECIMAL =	1
MOTION RANGE =	2
SAMPLE RATE =	4
ZERO LIMIT =	YES
POWER UP ZERO =	YES
ZERO TRACKING =	1
FILTER MOdE =	2
FILTER LEVEL =	0
CALIbRATE =	YES
NUM CAL POINTS =	1
LOAdEd CAL WT =	APPLY FULL CAPACITY WEIGHT
UNLOAd	REMOVE TEST WEIGHTS
GRAVITY ENAbLE =	no
HOLd MOdE =	0
LANGUAGE =	0
bACKLIGHT =	150
KEYPAd bEEP =	YES
SLEEP MOdE =	4
AUTO SHUT OFF =	2
KEY dISAbLE =	0
ENAbLE Id =	no
bARCOdE =	no
USE HEIGHT =	no
bOdY MASS IdX =	YES
HI RESOLUTION =	YES
RS232 MOdE =	3
bAUd RATE =	3
PRINTER TYPE =	0
END OF PRINT =	0
USb MOdE =	1
YEAR [YYYY] =	Enter current year
MONTH [1-12] =	Enter current month
dAY [1-31] =.	Enter current day of the month
HOUR [0-23] =	Enter current hour in 24-hour format
MINUTE [0-59] =	Enter current minute
SECONd [0-59] =	Enter current second
24 HOUR TIME =	no

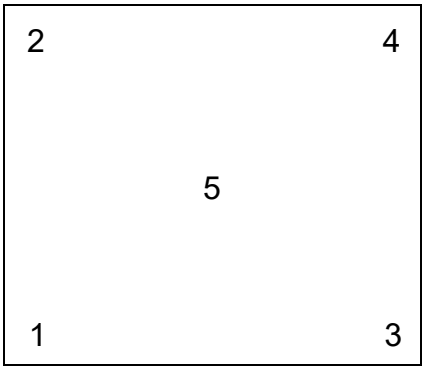
E. Final Test

1. Perform the Corner Test using 1/4 capacity weights (positions 1-4). Use tolerances listed in the table below.
2. Perform Linearity test. Check both ascending and descending. See the table below.
3. Install indicator cover (MV2).
4. **For kg units calibrated using lb weights, reset the Cap = 300 after calibration.**

Linearity Check Table

6550

Applied Weight	Tolerance			WEIGHT POS
0	0			
*200 lb	199.8 lb	To	200.2 lb	1,2,3,4
400 lb	399.8 lb	To	400.2 lb	1+4 Then 2+3
500 lb	499.8 lb-	To	500.2 lb+	5
900 lb	899.4 lb	To	900.6 lb	5+2+3 Then 5+1+4



Weight Positions For Corner Test

6550KGEU

Applied Weight	CALIBRATING WITH lb WEIGHTS Tolerance			WEIGHT POS
0	0			
*200 lb (90.71 kg)	90.6 kg	To	90.8 kg	1,2,3,4
400 lb (181.43 kg)	181.3 kg	To	181.5 kg	1+4 Then 2+3
500 lb (226.79 kg)	226.6 kg	To	226.9 kg	5
800 lb (362.87 kg)	362.7 kg	To	363.0 kg	1+2+3+4

***Use these weights for the Corner Test**

APPLICATION OF ADHESIVE/ADHESIVE BACKED ITEMS

1. Use a clean cloth or paper towel to clean the surface with alcohol where the adhesive or adhesive-backed item is to be applied.

2. After the alcohol has dried, use another clean dry cloth or paper towel to wipe the surface clean of all residue before the adhesive-backed item is applied.

3. Apply the adhesive-backed item immediately after the surface has dried. Be careful not to touch either the application surface or the adhesive with the bare hand.

4. Using a clean dry cloth or paper towel, rub out all air bubbles on flat items, such as keypads, labels, serial tags, etc., by rubbing back and forth on the surface of the adhesive-backed item while pressing firmly.

   NOTE: Be sure to press firmly on each corner to ensure a good bond.

5. For items that have foam tape, such as standoffs, apply the items square to the surface and hold them in place with firm pressure for 5-10 seconds.

   NOTE: Most adhesive-backed items will not attain full strength until after 24 hours. It is critical that the above procedure be followed to obtain the maximum bonding strength of any adhesive.

PARTS IDENTIFICATION

Final Assembly – 0065-0707-0A

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0065-0674-0A	6550/6549DS UNIV. BASE ASSY
2	1	0065-0676-08	BACK COVER PLATE
3	1	0065-0706-0A	6550 COLUMN ASSY
4	1	0065-B392-08	SAFETY PIN WARNING LABEL
5	1	0065-B403-0A	INDICATOR CABLE
6	1	391RV204	ELASTIC STOP NUT
7	1	5930-B104-08	LABEL: DETECTO LOGO W/WEBSITE (3" X 10")
8	1	6021-0950	SCW HEX-HEAD MACHINE-SCW 10-32 X 1.5
9	2	6021-1032	SCW THUMB MACHINE-SCW 06-32 X 0.250
10	12	6021-1257	SCW TRUSS-HEAD THREAD CUTTING #8-32
11	7	6021-1454	SCW HEX-HEAD MACHINE-SCW 0.25-20 X 0.750
12	1	6024-1066	WASHER FLAT 1/4 X 1 X 1/16 TK Z-PLATE
13	1	6540-1053	ENCLOSURE KNOB 1.25 DIA, 10-32 INSERT
14	1	6560-1046	THREADLOCKER HIGH STRENGTH, 0.5 ML CAPSULE
15	1	6680-0250	SPACER 0.260 ID X 0.5 OD X 0.187 LONG NYLON
16	1	6680-1043	GROMMET 1/4 ID X 5/8 OD FOR 1/8 TK PNL
17	1	8555-B517-08	INDICATOR TO COLUMN MOUNTING BRACKET
18	2	8555-C508-08	MOUNT CLAMP
19	1	M220-0080-00	HAND TOOL 5/32 SHORT HEX KEY
20	1	MV1	INDICATOR (6550)
	1	MV2	INDICATOR (6550KGEU)
21	2	8525-0407-0A	SER. TAG 5" X 0.5", 3 MIL ASSY

PARTS IDENTIFICATION, CONT.

Final Assembly – 0065-0707-0A

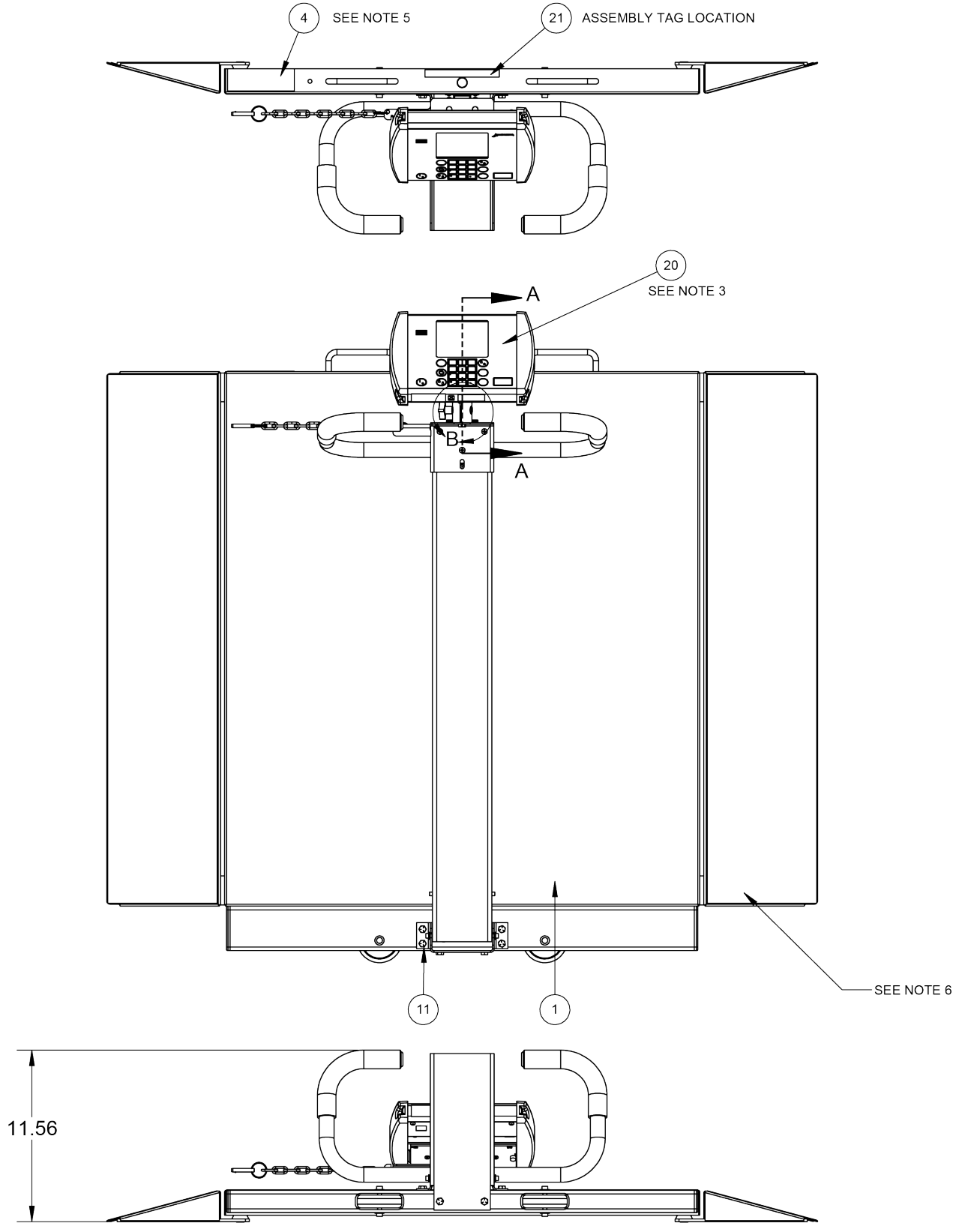
NOTES

1. Wire indicator and load cell cables as shown in the schematic. Check to make sure that none of the indicator cables, or load cell cable wires are crossed, or touching where they connect to the trim board to avoid a short circuit. Route cables through available holes.
2. Ensure correct wiring occurs before the addition of the cover plate.
3. Calibrate and set up indicator per the **Test Procedure** section.
4. Install the serial tag on the cover as shown.
5. Prepare surface per **APPLICATION OF ADHESIVE/ADHESIVE BACKED ITEMS** section before applying items.
6. Remove ramps and package separately for shipping.
7. Center label as closely as possible and offset from the edge of the deck using the given dimensions.
8. Ensure the Loctite packet (6560-1046), screws qty. 4 (6021-1812), and hex key (M220-0080-00) are added to the package before shipping.

PARTS IDENTIFICATION, CONT.

Final Assembly – 0065-0707-0A

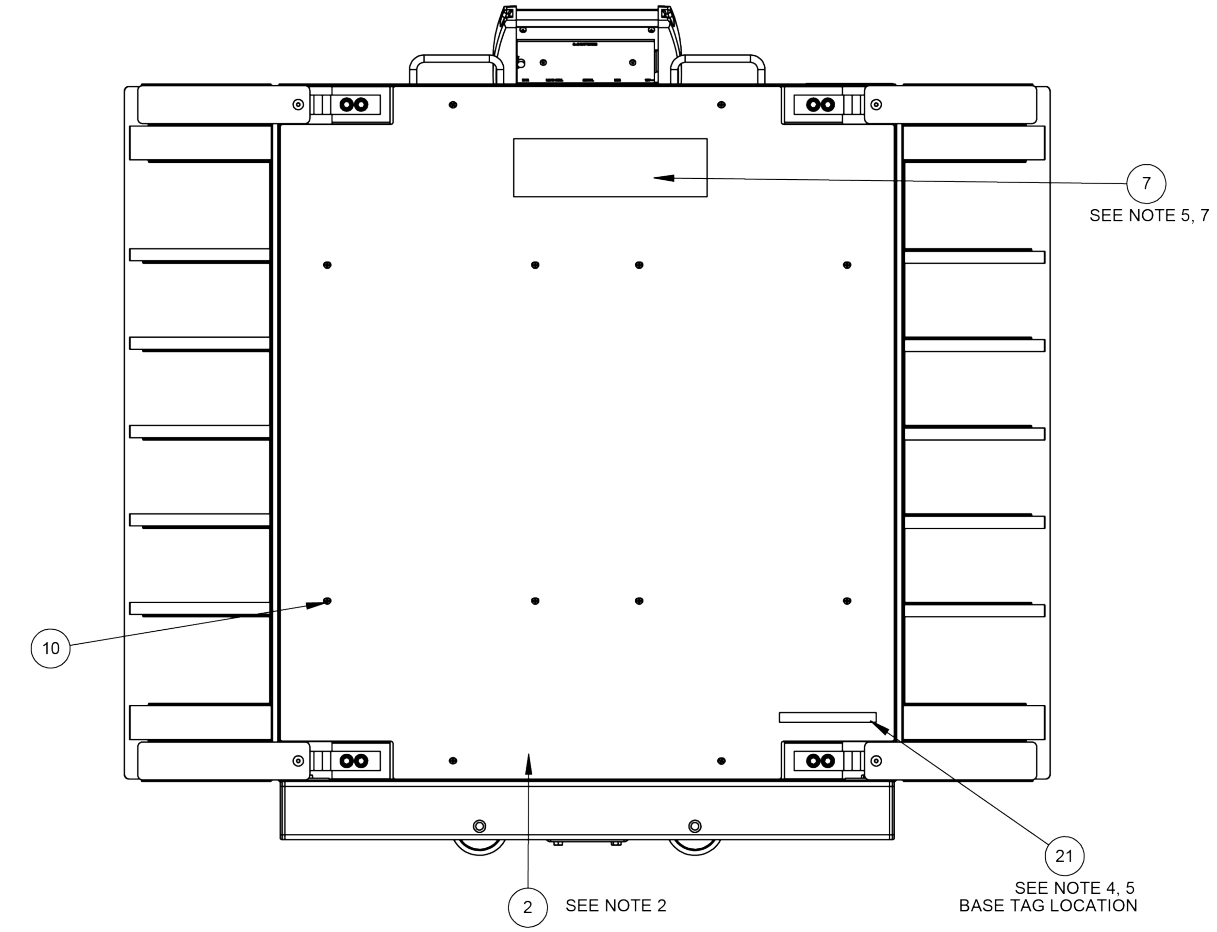
Top View, Front View, and Bottom View

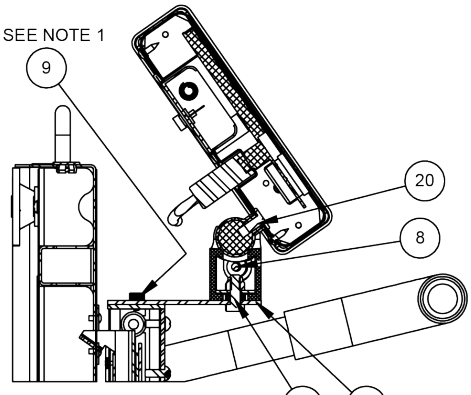


PARTS IDENTIFICATION, CONT.

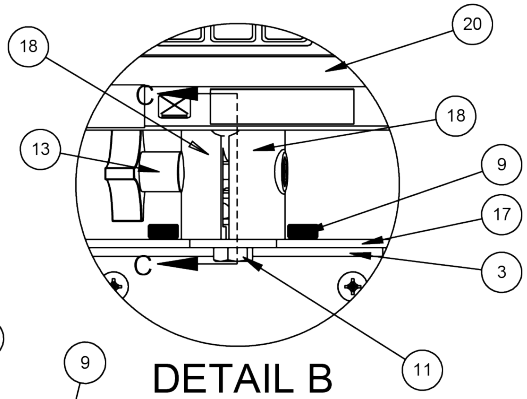
Final Assembly – 0065-0707-0A

Back View, Section A-A, Detail B, and Section C-C View

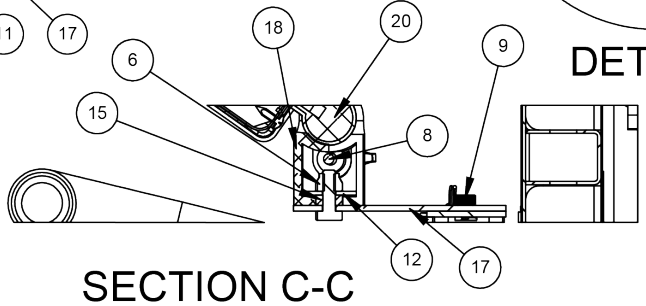




SECTION A-A



DETAIL B

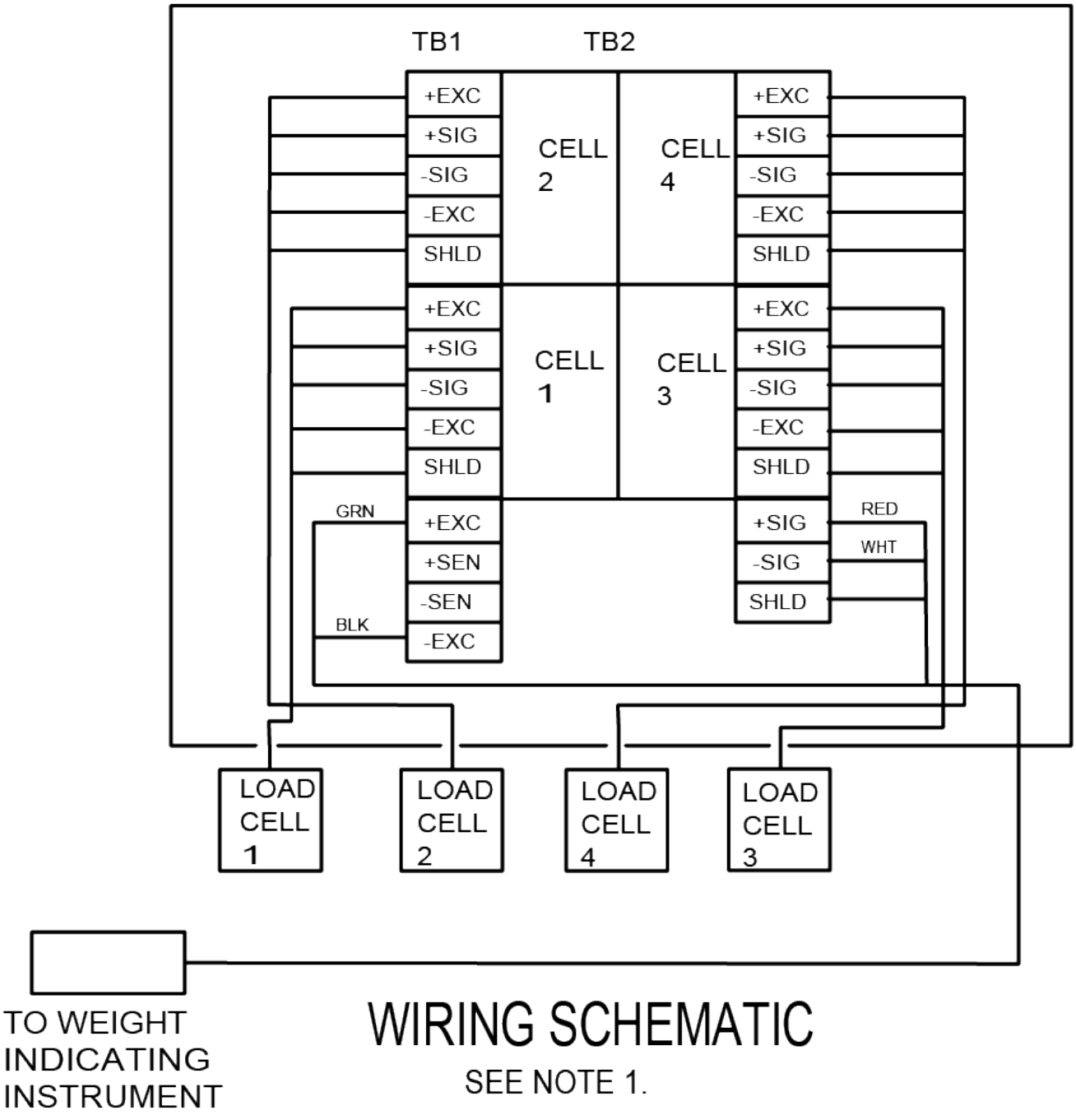


SECTION C-C

PARTS IDENTIFICATION, CONT.

Final Assembly – 0065-0707-0A

4 Cell Trim Board – 3502-C205-0A Wiring Schematic



WIRING SCHEMATIC

SEE NOTE 1.

PARTS IDENTIFICATION, CONT.

6550 Universal Base Assembly – 0065-0674-0A

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0065-0673-0A	6550 WB ASSY
2	1	0065-0713-08	HR BTTM BASE SINGLE COL.
3	4	LFB-250P	LFB-250P
4	4	6540-1624	FOOT, RUBBER, BLACK
5	2	0065-0675-0A	6550 RAMP WELDMENT
6	2	0044-B178-08	HANDLE
7	8	6021-2063	SCW SOCKET-HD CAP-SCREW 0.375-24 X 1.0
8	4	6021-1045	SCW HEX-HD MACHINE SCW, 10-32 X 0.5
9	4	6021-1812	SCW FLAT-HEAD CAP-SCREW 0.25-20 X 0.438 Z-PLATE
10	2	0065-0709-08	1/4" WHEEL SHAFT
11	2	574R473	WHEEL
12	4	399R40	PUSH NUT, 1/4"
13	4	6680-0180	RIVET POP, BH SS 1/8 DIA x 250-312 GR
14	2	6540-1627	END CAP
15	1	3502-C205-0A	PCB: TRIM BOARD, 4 CELL, TERMINAL BLOCKS
16	2	6021-0661	SCW 06-32 X 0.25
17	4	6021-1809	SCW HEX-HEAD CAP-SCREW 0.375-16 X 0.500 Z-PLATE
18	4	6024-0019	WASHER FLAT3/8" SS
19	1	6560-1126	ADHESIVE LOCTITE 242 THRDLOCKR, REMOVABLE
20	1	0065-0717-08	6549DS2/6550 - DECK MAT
21	2	0065-0718-08	6550/6549DS - RAMP MAT
22	4	6610-5007	CABLE CLIP
23	1	0065-B359-08	LATCH COVER PLATE
24	1	6540-1059	PANEL PLUG
25	0.1	6560-7042	CYANOACRYLATE ADHESIVE, LOW OFF-GASSING
26	1	6690-0001	LEVEL BULLSEYE TYPE

PARTS IDENTIFICATION, CONT.

6550 Universal Base Assembly – 0065-0674-0A

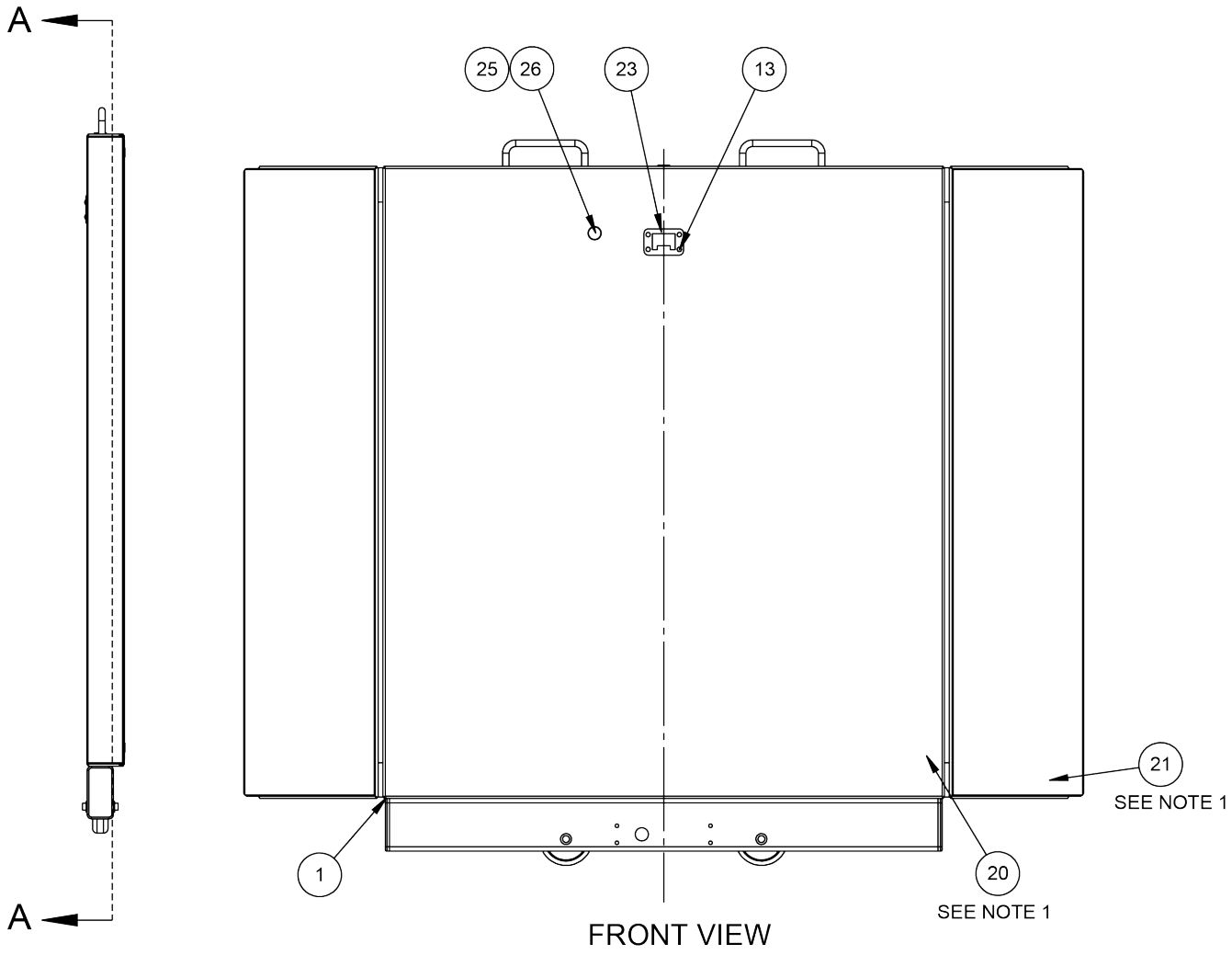
NOTES

1. Center and apply deck mat (0065-0717-08) and ramp mat (0065-0718-08) on top of the deck (0065-0673-0A) and ramps (0065-0675-0A) before assembly.
2. HR BTTM base (0065-0713-08) must be attached to WB deck assembly (0065-0673-0A) before installation of load cells (0065-0716-08).
3. Apply Loctite (6560-1126) to the threads of the bolt before installation.
4. Ramps will be attached for alignment and positioning of load cells. Ramps will be removed with rubber mounts (6540-1624) left installed in load cells for calibration and packaging.
5. When installing screw (6021-1812) into rubber mount (6540-1624) for alignment purposes, be careful not to overtighten as this may shear the rubber mount.
6. Ensure that screws (6021-1812) are set aside for individual packaging.
7. Ensure all wiring is routed to the trim board through available holes in stiffeners.
8. In the event that end caps (6540-1627) are not fitting easily into the tubing (0065-0713-08), trim back flanges on the end cap to ensure better fit.
9. Tighten load cell bolts (6021-2063) to 35 ft-lbs.
10. Tighten screws until snug and PCB is held firmly in place, do not overtighten for risk of crushing PCB.

PARTS IDENTIFICATION, CONT.

6550 Universal Base Assembly – 0065-0674-0A

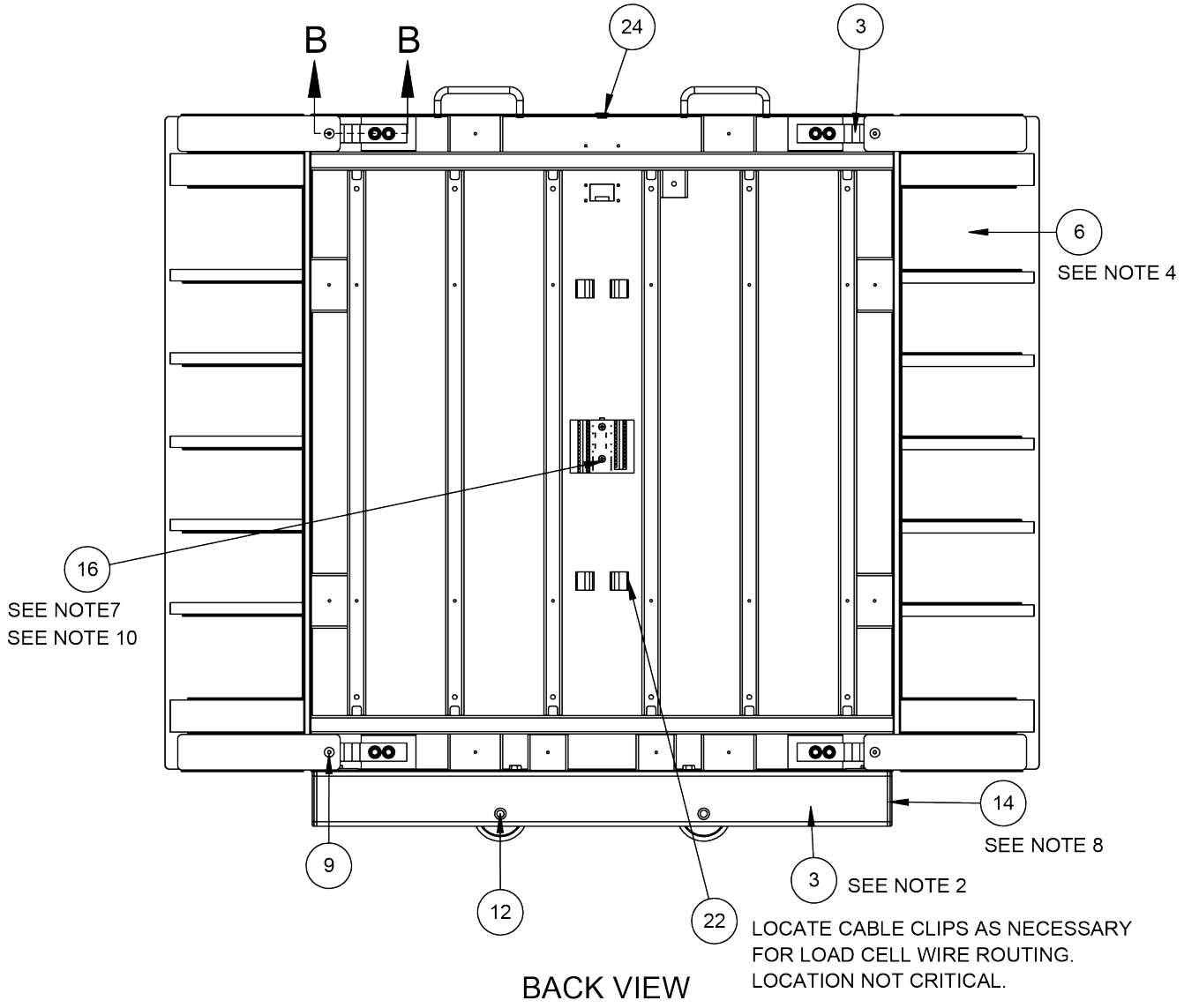
Front View and Section A-A View



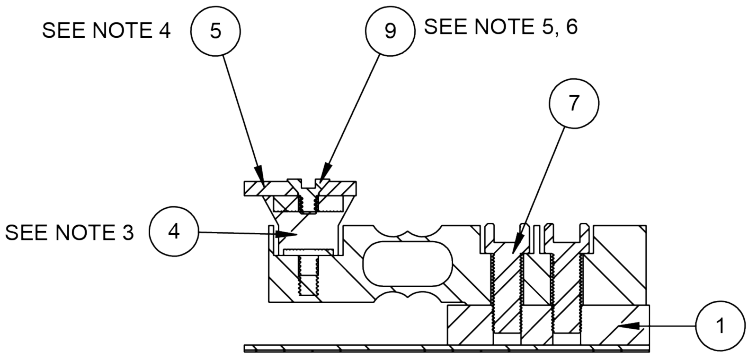
PARTS IDENTIFICATION, CONT.

6550 Universal Base Assembly – 0065-0674-0A

Back View and Section B-B



BACK VIEW

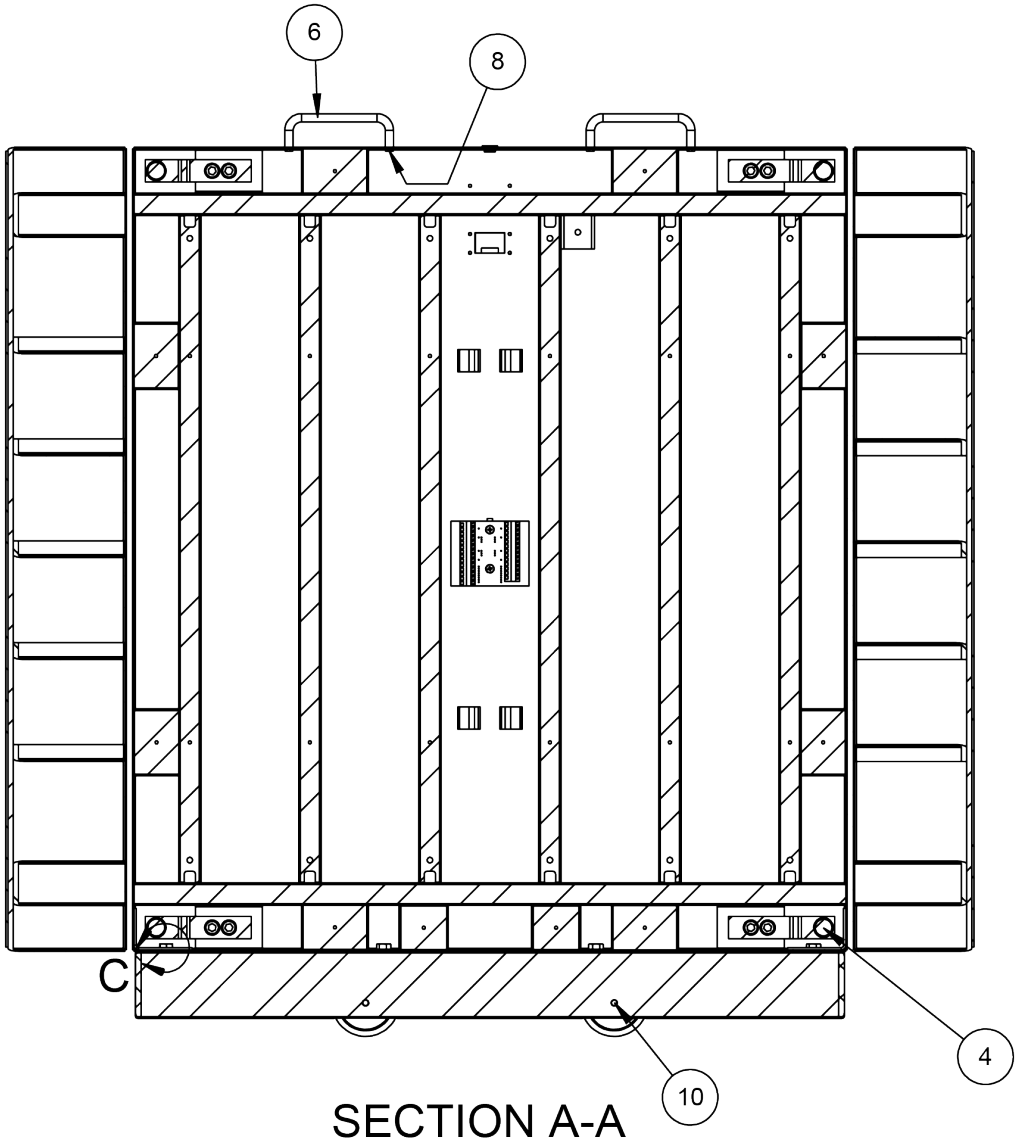


SECTION B-B

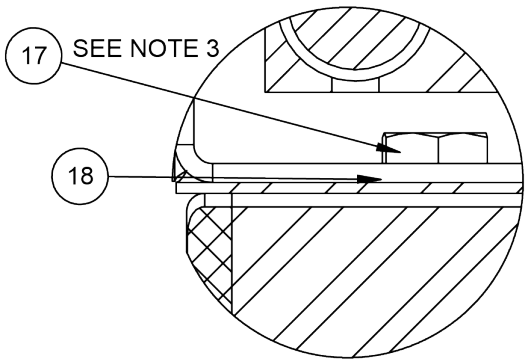
PARTS IDENTIFICATION, CONT.

6550 Universal Base Assembly – 0065-0674-0A

Section A-A and Detail C View



SECTION A-A



DETAIL C

PARTS IDENTIFICATION, CONT.

Column and Latch Assembly – 0065-D339-0A

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0031-B014-08	SPACER
2	1	0065-B351-08	LINK BAR
3	1	0065-B352-0A	LATCH WELDMENT
4	1	0065-B373-0A	LOWER LATCH BLOCK
5	2	0065-B374-08	LATCH SPACER
6	1	0065-B442-08	LATCH SHAFT
7	1	0065-0871-0A	COLUMN WITH "DETECTO" ARTWORK
8	1	0065-C347-08	GUIDE, LATCH
9	1	0065-C443-08	GUIDE, LATCH LOWER
10	8	6021-0665	#6-32 X 3/8 PAN HD CAP SCW Z/P
11	1	6021-1020	SCW ROUND HEAD #10-32 X 0.375
12	1	6022-0027	SPRING, EXT. 1 7/8 LONG
13	1	6680-0030	WASHER FLAT 1/4 NYLON
14	1	6680-0038	WASHER FLAT #10 NYLON
16	.01	6560-0021	ADHESIVE LOCTITE 222-31 LO-STRENGTH 50ML

Column and Latch Assembly – 0065-D339-0A

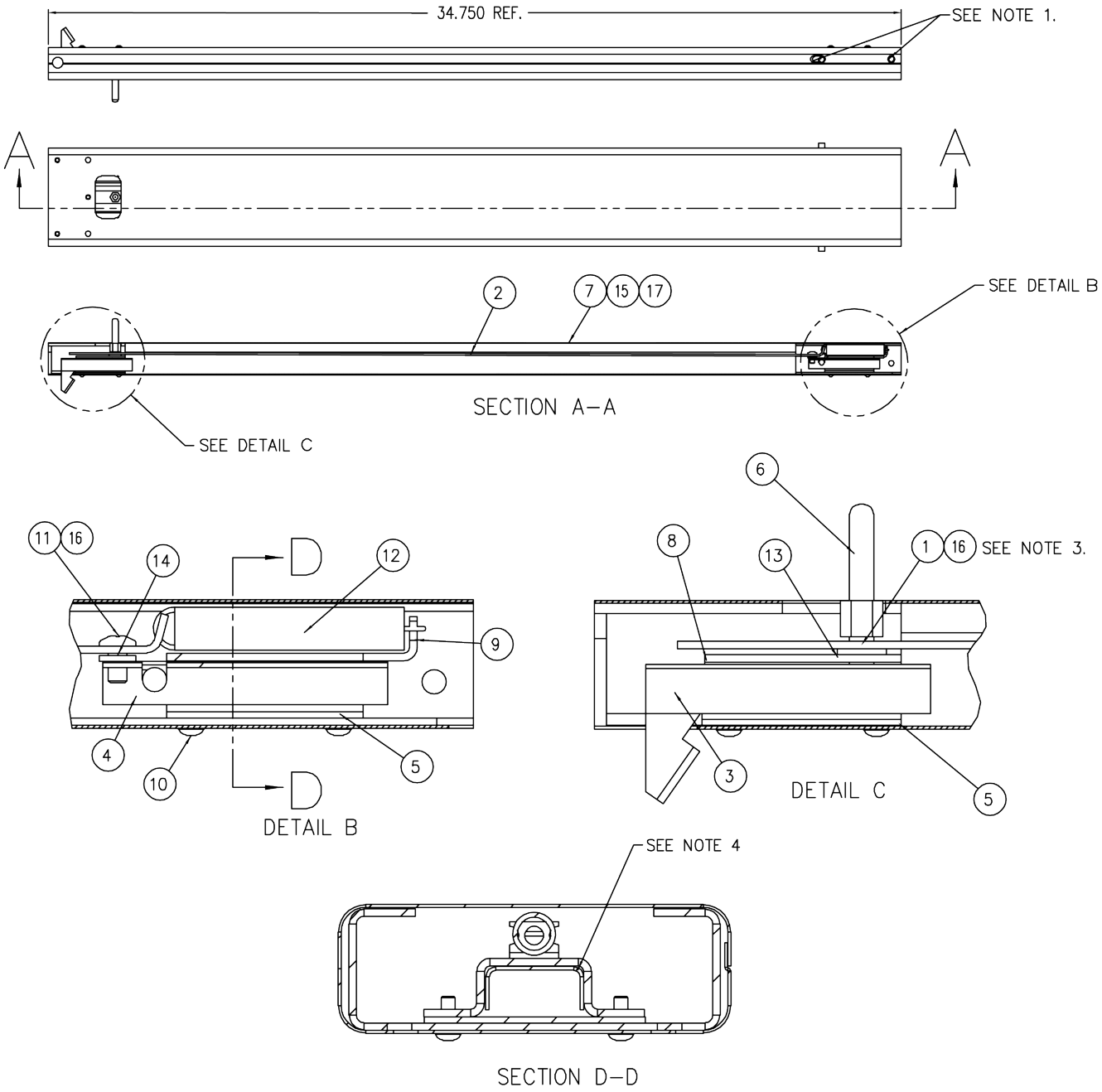
NOTES

1. Check part fit prior to assembly. Remove paint buildup, and material from column weldment as required to allow pivot pin installation and to allow the latch to slide without binding.
2. None.
3. Apply Loctite (6560-0021) to the bottom threads. Tighten until the spacer is held against the latch slide. The spacer must pass through the linkage, washer, and latch guide.
4. The radius of item 4 must face up.

PARTS IDENTIFICATION, CONT.

Column and Latch Assembly – 0065-D339-0A

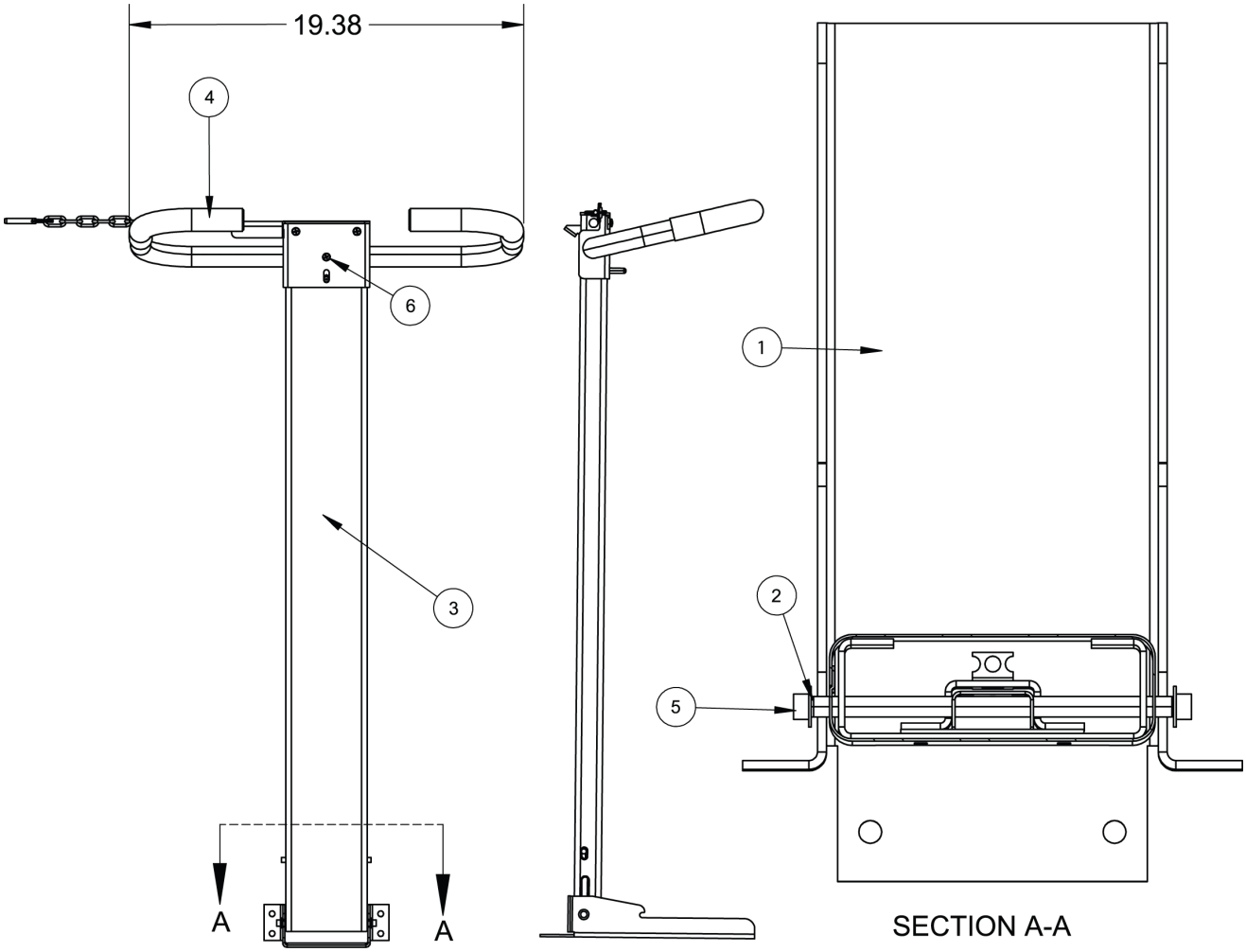
Section A-A, Detail B, C, and Section D-D View



PARTS IDENTIFICATION, CONT.

Column Assembly – 0065-0706-0A

Section A-A View



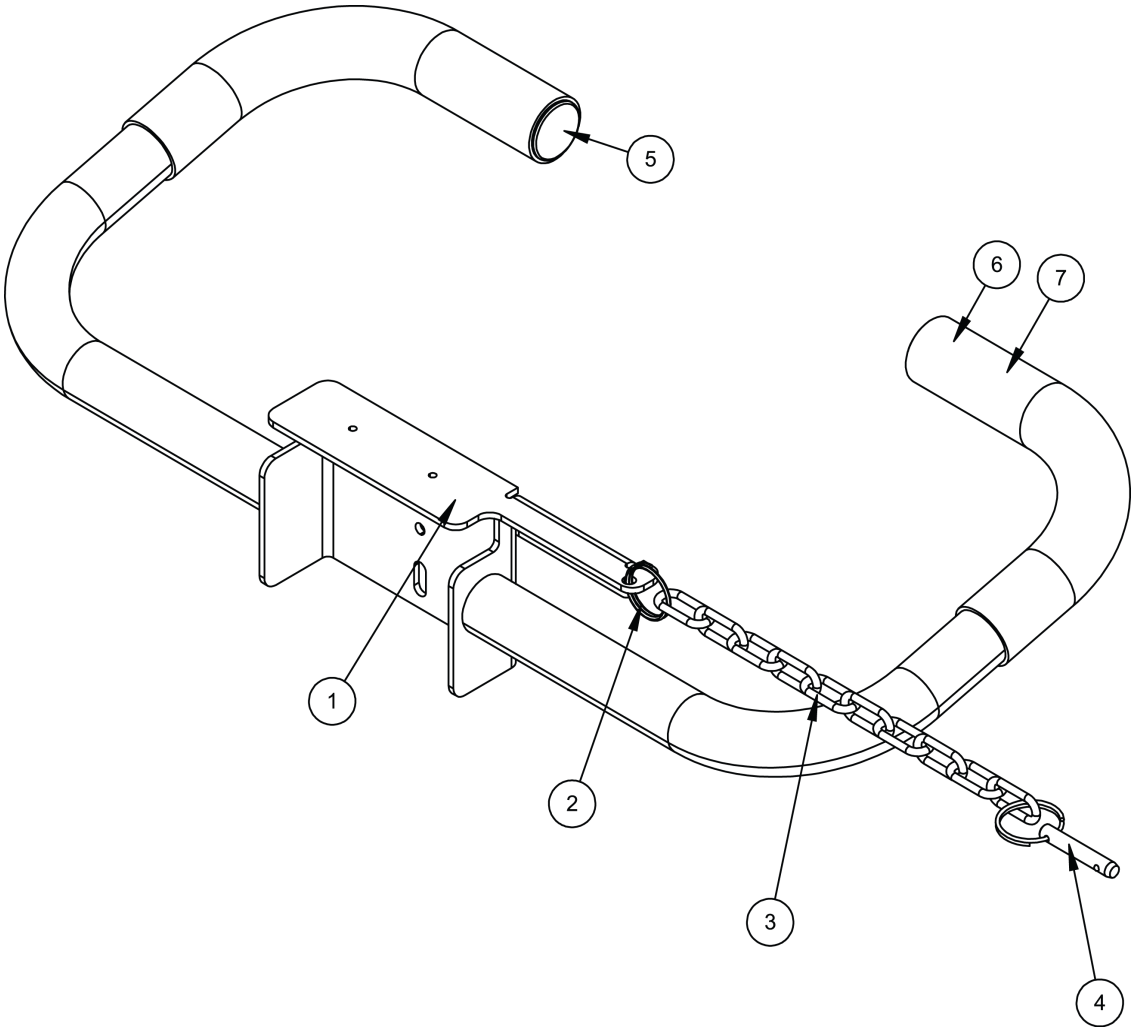
Column Assembly – 0065-0706-0A

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0065-0697-08	6549DS COLUMN SWIVEL BASE SS SHT 12 GA. X 48 X 96 #3/LASER FILM 304
2	1	0065-B342-08	PIN – COLUMN PIVOT, RD 1/4 SS
3	1	0065-D339-0A	COLUMN AND LATCH ASSEMBLY
4	1	0065-C391-0A	HANDLE ASSEMBLY
5	2	399R40	1/4 PUSH NUT
6	3	6021-1006	SCW ROUNDHEAD SEF-TAP 10-32X.50

PARTS IDENTIFICATION, CONT.

Handle Assembly – 0065-C391-0A



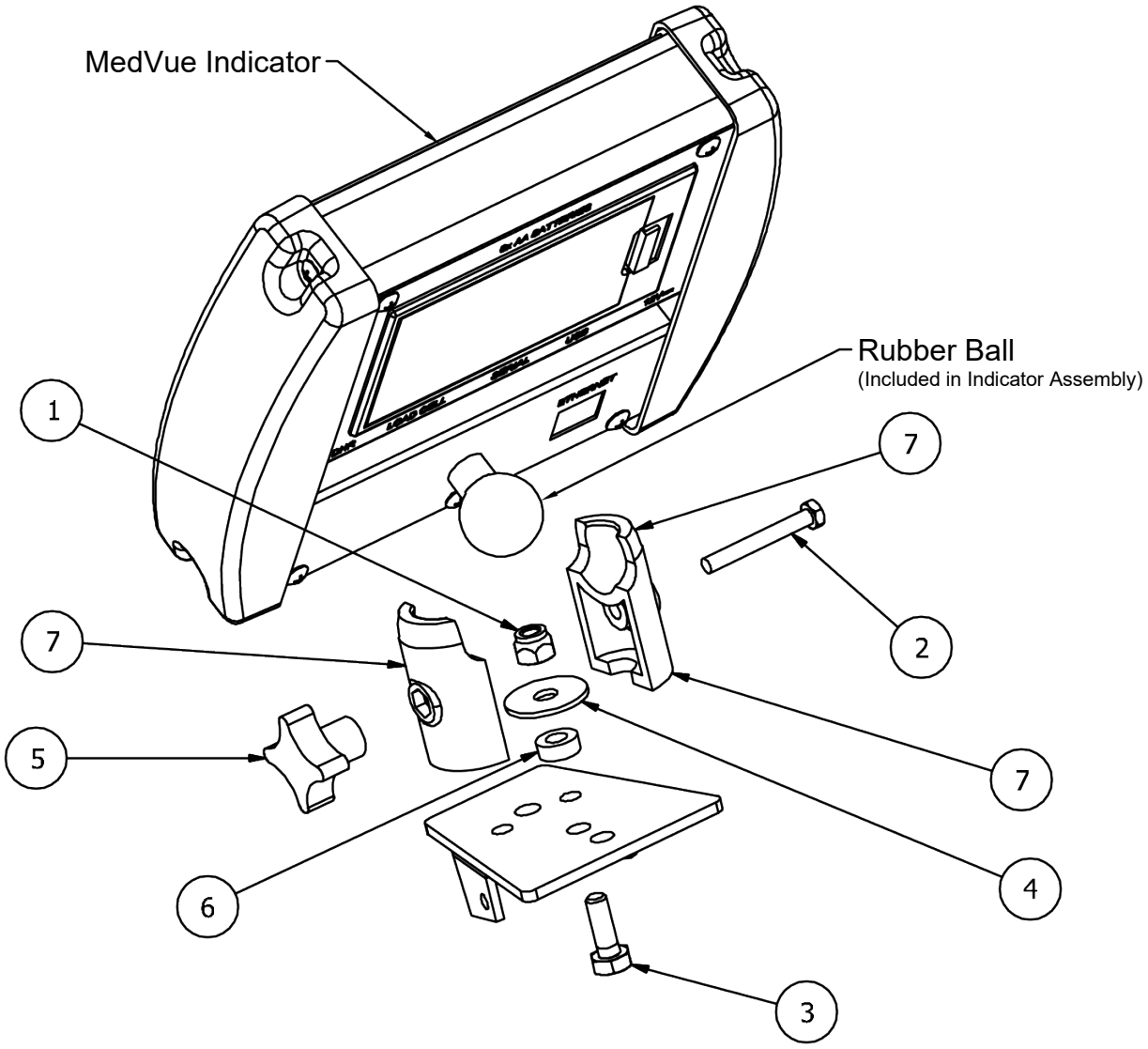
Handle Assembly – 0065-C391-0A

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0065-C385-0A	HANDLE WLDMT
2	1	6028-0094	SPLIT RING
3	1	6680-1014	CHAIN
4	1	6028-0093	PIN HITCH
5	2	6540-1149	END CAP
6	2	6540-1070	HAND GRIP
7	1	6560-0009	ADHESIVE

PARTS IDENTIFICATION, CONT.

MedVue Mounting Assembly – 8555-B519-0A



MedVue Mounting Assembly – 8555-B519-0A

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	391RV204	NUT 1/4-20 ELASTIC STOP Z/P
2	1	6021-0950	SCW HEX-HEAD.MACHINE-SCW 10-32 X 1.50 Z/P
3	1	6021-1454	SCW HEX-HEAD.MACHINE-SCW 0.25-20 X 0.750
4	1	6024-1066	WASHER FLAT 1/4 X 1 X 1/16 TK Z-PLATE
5	1	6540-1053	ENCLOSURE KNOB 1.25 DIA, 10-32 INSERT
6	1	6680-0250	SPACER 0.260 ID X 0.500 OD X 0.187 LONG NYLON
7	2	8555-C508-08	MOUNT

STATEMENT OF LIMITED WARRANTY

DETECTO warrants its equipment to be free from defects in material and workmanship as follows: DETECTO warrants to the original purchaser only that it will repair or replace any part of equipment which is defective in material or workmanship for a period of **two (2) years from date of shipment**. Detecto shall be the sole judge of what constitutes a defect.

During the **first ninety (90) days** DETECTO may choose to replace the product at no charge to the buyer upon inspection of the returned item.

After the first ninety (90) days, upon inspection of the returned item, DETECTO will repair or replace it with a remanufactured product. The customer is responsible for paying for the freight both ways.

This warranty does not apply to peripheral equipment not manufactured by DETECTO; this equipment will be covered by certain manufacturer's warranty only.

This warranty does not include replacement of expendable or consumable parts. This does not apply to any item which has deteriorated or damaged due to wear, accident, misuse, abuse, improper line voltage, overloading, theft, lightning, fire, water or acts of God, or due to extended storage or exposure while in purchaser's possession. This warranty does not apply to maintenance service. Purchased parts will have a ninety (90) day repair or replacement warranty only.

DETECTO may require the product to be returned to the factory; item(s) must be properly packed and shipping charges prepaid. A return authorization number must be obtained for all returns and marked on the outside of all returned packages. DETECTO accepts no responsibility for items lost or damaged in transit.

Conditions Which Void Limited Warranty

This warranty shall not apply to equipment which:
A.) Has been tampered with, defaced, mishandled or has had repairs and modifications not authorized by DETECTO.
B.) Has had serial number altered, defaced, or removed.
C.) Has not been properly grounded according to Detecto's recommended procedure.

Freight Carrier Damage

Claims for equipment damaged in transit must be referred to the freight carrier in accordance with freight carrier regulations.

This warranty sets forth the extent of our liability for breach of any warranty or deficiency in connection with the sale or use of the product. DETECTO will not be liable for consequential damages of any nature, including but not limited to, loss of profit, delays or expenses, whether based on tort or contract. Detecto reserves the right to incorporate improvements in material and design without notice and is not obligated to incorporate improvements in equipment previously manufactured.

The foregoing is in lieu of all other warranties, express or implied including any warranty that extends beyond the description of the product including any warranty of merchantability or fitness for a particular purpose. This warranty covers only those DETECTO products installed in the forty-eight (48) contiguous continental United States.

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