

## **RECEIVING INSTRUCTIONS**

The bed and its accessories may be shipped to you on a pallet. Before opening this pallet, visually inspect the packing carton for any signs of freight damage. If damage is detected, do not accept the shipment without making a notation on the bill of lading, briefly describing the damage, and file a damage complaint with the freight company.

Carefully remove the bed and its associated parts from the pallet. Inspect these parts to make sure there is no internal damage. If internal damage is noticed, contact the freight company immediately to file a damage claim complaint.

Carefully open all packing and verify that all components on the packing slip have been received. If anything is missing, notify the dealer from whom you obtained the bed

**ALL MATERIAL RECEIVED SHOULD BE CHECKED AGAINST THE PACKING LIST TO VERIFY THAT YOU HAVE RECEIVED ALL COMPONENTS IN GOOD CONDITION.**

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## **GENERAL CAUTIONS AND WARNINGS:**

- CAUTION:** ROTATING PARTS. KEEP FINGERS AND ARMS CLEAR OF BED WHEN MECHANISM IS MOVING.
- CAUTION:** PINCH POINT. KEEP OBJECTS AWAY FROM THESE AREAS WHILE BED IS IN MOTION.
- CAUTION:** ELECTRICAL HAZARD MAY OCCUR IF DEVICE IS PLUGGED INTO INADEQUATE POWER SUPPLY. MAKE SURE THAT THE DEVICE IS PLUGGED INTO A 115 VOLT, 3 PRONG GROUNDED OUTLET WITH A CAPACITY OF AT LEAST 15 AMPERES.
- CAUTION:** THE MATTRESS SHOULD BE SUFFICIENTLY WIDE ENOUGH TO PREVENT PATIENT BODY PARTS FROM FALLING BETWEEN THE SIDE RAILS AND THE MATTRESS.
- CAUTION:** KEEP FEET CLEAR OF CASTERS.
- WARNING:** KEEP ALL OBJECTS OUT FROM UNDER THE BED. CERTAIN PARTS UNDER THE BED RAISE AND LOWER WHEN THE BED IS IN MOTION.
- WARNING:** DO NOT PLACE ARMS OR HEAD INTO FRAME WHILE OPERATING. STAND CLEAR OF THE BED FRAME BEFORE OPERATING. MAKE SURE THERE IS NOTHING UNDER THE BED TO INTERFERE WITH PROPER BED OPERATIONS.
- WARNING:** MAKE SURE THE CORD FROM THE CONTROL MODULE AND THE CORD FROM THE PENDANT ARE PROPERLY POSITIONED BEFORE OPERATING THE BED. DO NOT ALLOW EITHER OF THESE CORDS TO GET CAUGHT IN THE MOVING MEMBERS OF THE BED.
- WARNING:** DO NOT OPERATE THIS DEVICE IF THE POWER CORD OR ANY OF THE CORDS BETWEEN THE CONTROL MODULE AND THE ASSOCIATED PARTS ARE CUT, FRAYED OR LOOSELY CONNECTED.
- WARNING:** DO NOT SERVICE THIS DEVICE WITHOUT FIRST DISCONNECTING THE POWER CORD.

## **DESCRIPTION AND FUNCTION OF BED**

The Model 3954 Bariatric Bed is designed primarily for use in Hospitals and other institutions. Its purpose is to support patients whose weight exceeds that of the conventional bed and who may require specialized positioning.

The frame is constructed entirely of metal. The frame in its lowest position is approximately 14" from the floor to the mattress pan. In the upper position the height is approximately 29".

The unique expandable frame design allows the bed to accommodate 37", 39", 42", 48" or 54" support surfaces. When outfitted with the appropriately designed mattress (39", 42", 48", or "54") you can adjust the bed surface so as to allow it to fit through a 39" door opening.

The frame is designed to support a safe working load of 1000 lbs. Side rails at the head end are standard. Optionally, the bed can be equipped with foot end side rails and foot and head end side rail pads. The 45 degree angle setting of the side rails assists in patient ingress and egress.

An optional trapeze is capable of supporting the maximum patient weight for this type of bed.

Swivel casters 5" in diameter and a hard tread wheel with break and swivel lock provides for easy movement of the bed.

A mattress guard rod across the foot end of the bed prevents the foot end of the mattress from sliding off the bed, particularly when the head end (fowler) is raised.

The bed contains four electric drive modules, one for the head, one for the knee, one Hi/Lo for head end of the bed and one Hi/Lo for the foot end of the bed. A hand crank is supplied which can be used to adjust the bed in case of power or actuator failure.

**Five Function Operation** - A 10 button, 5 function hand pendant is used to control the positioning of the bed.

The BED up and down buttons cause the bed to raise and lower.

The HEAD up and down button causes the head of the bed to raise and lower (fowler).

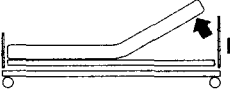
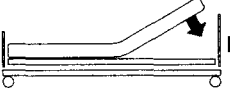
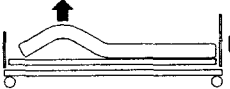


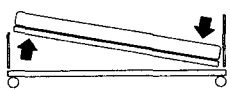
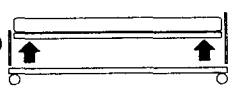
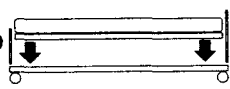
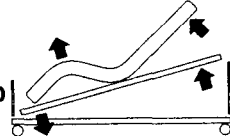
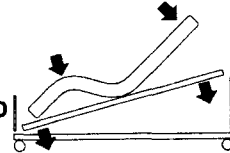
The KNEE foot buttons cause the knees and lower portion of the legs to be raised and lowered. (The Knee Gatch)

The SEAT up button-causes the bed to go into a modified cardiac chair position i.e. the head and head end of the bed will raise, the knee section of the bed will raise and the foot end of the bed will lower.

The SEAT down button will cause the bed to return to the supine position.

The TRENDELENBERG DOWN (v) button will cause the foot end of the bed to raise and the head end to lower with a limiting angle of 12 degrees minimum.

The TRENDELENBERG UP (^) button will cause the foot end of the bed to go down and the head end to raise until reaching a limit of 12 degrees minimum.

BUTTON	ACTION
HEAD UP	
HEAD DOWN	
FOOT UP	
FOOT DOWN	
REVERSE TRENDELENBURG	
TRENDELENBURG	
BED UP	
BED DOWN	
SEAT UP	
SEAT DOWN	

## **ASSEMBLY INSTRUCTIONS**

- 1.If the pendant is not already attached to the bed, plug the hand pendant into the control module. Make sure the pendant plug is securely fastened in the control module. It should snap in place. Fasten the Pendant cord to the frame using the cable clamp provided. If it becomes necessary to unplug the pendant, squeeze the little release levers on either side of the plug. Then gently remove the plug.
- 2.Install the headboard posts in the inward most sockets provided at the head end with the board closet to the mattress. The power cord hanger should be on the side away from the mattress.
- 3.Install the foot board posts in the outward most sockets provided at the foot end with the board further away from the mattress.
- 4.If this is a scale model install the readout in the bracket on the foot board. Connect the two leads from the bed to the readout. One cable connector has 6 prongs. The other has 4 prongs. Make sure the cables are connected to the proper readout connectors.
- 5.Do a careful walk around inspection of the bed. Look underneath the bed to make sure there is nothing stored there. This area must be kept clear to avoid any interference with parts motion of the bed which takes place during the bed operation.
- 6.Plug the power cord into a 115 volt grounded socket having a capacity of at least 15 amperes.
- 7.Locate the rocker on/off switch on the control module. Make sure the switch is on and that the switch button is illuminated.
- 8.Using the hand pendant, cycle the bed through all of its operations. Make sure that everyone including yourself is clear of the bed during these operations.
9. When you are satisfied that the bed is operating properly, instruct all personnel who may be involved in the bed operation. Once you have become comfortable with the operation of the be as specified in the Operation Manual, instruct all personnel who may be involved in the bed operation.

## ADJUSTING BED WIDTH

The bed standard adjustable widths are 37", 39", 42", 48", and 54". (Bed may be special ordered with stops located any where between 37" and 54")

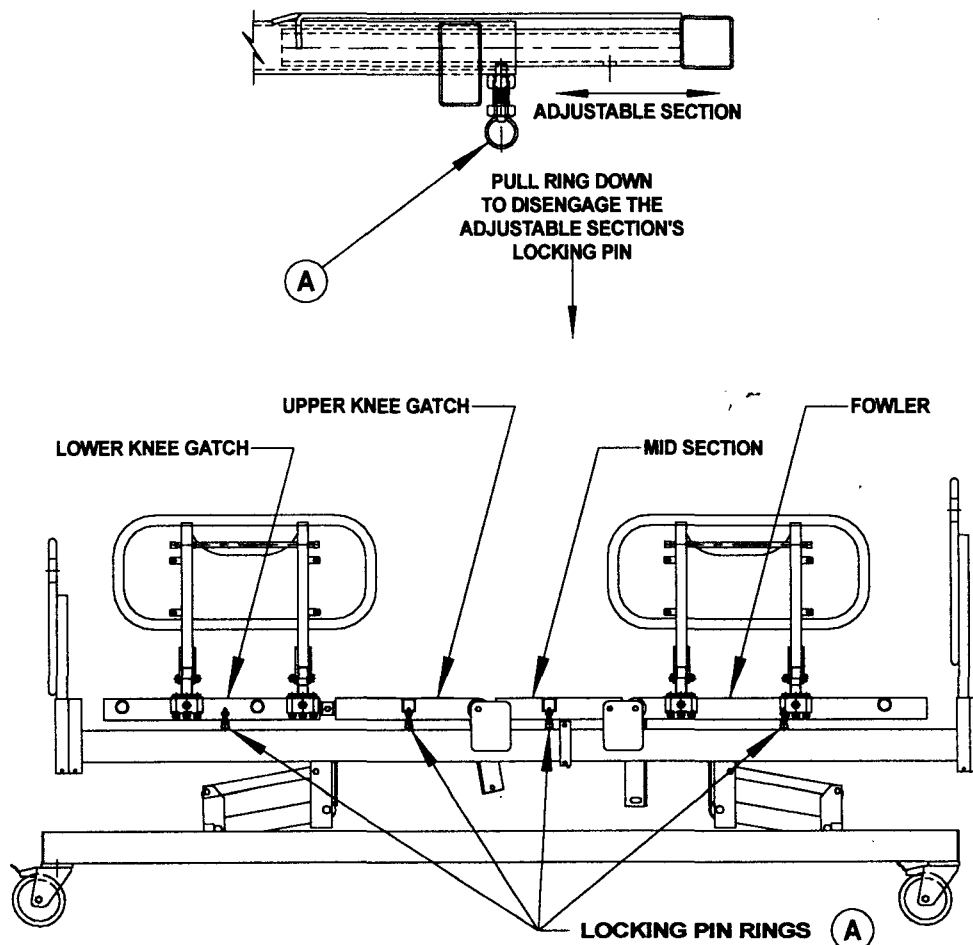
There are four adjustable sections along each side.

- A) Fowler
- B) Center section
- C) Upper Knee Gatch
- D) Lower Knee Gatch

Each section adjust individually by pulling down on the locking pin ring "A", located approximately at the center of each section, and sliding the Mattress Support in or out as required (see drawings below).

**NOTE:** Slight inward pressure on the section to be adjusted may be required in order to disengage the locking pin.

- 1- Raise bed to full up position.
- 2- Pull the ring (A) down (It will move about 1/2").
- 3- Move the ADJUSTABLE SECTION in the desired direction.
- 4- Release the pin.
- 5- Continue to move ADJUSTABLE SECTION until pin snaps into desired locking hole.



## **Conversion of the width of the mattress pan**

The model 3954-0 and 3954-S Camtec Bariatric Bed has a mattress pan whose width can be adjusted between 37" and 54". The bed has stops at 37", 39", 42", 48, and 54". Other stops may be incorporated as a result of a special order.

The conversion of the width of the mattress pan is such that a change in width can be accomplished with a patient in the bed provided that the appropriate mattress has been installed.

1. Camtec has available a mattress whose basic width is 37" and the width can be enlarged by the use of bolsters which lay down each side of the bed and are attached to the main 37" mattress.
2. Certain surface manufacturers can supply a mattress and/or overlay which is easily adjustable to the appropriate widths.

Some mattresses have the ability to slightly roll up the sides. In case of a desire to reduce the width of the bed the mattress could be lifted up on each edge and the width of the bed narrowed without having to remove the patient from the bed. This is especially convenient when a wide mattress such as 48" or 54" is desired in the patient's room. However the ability to narrow the bed to 37" mattress pan so that it will pass through a 39" wide door has its advantages. This would be appropriate for the transport of a patient out of a room with a door width of at least 39". It may be especially useful in case it becomes necessary to evacuate the patient from a room as a result of an emergency condition.

The method for changing the bed width follows:



## **Scale System – Model 1228**

This scale system is quite accurate and user friendly provided you follow the instructions exactly.

The scale has a sensitivity of 0.1 LB. or 1.6 OZ. The scale is sensitive to all the weight above the casters. The placement of any tube between something on the bed such as a patient or something not on the bed such as a respirator will effect the results if the tube moves. Having the bed pendant in someone's hand rather than having the pendant on the bed will also effect the results. A blanket fully on the bed vs. the blanket on the bed with part of it touching the floor will effect the results. All of these things may be insignificant from the overall picture but you should know that the system is very sensitive.

The system has a way of "zeroing out" any of the INVENTORY which you do not desire to weigh. INVENTORY is classified as items such as blankets, pillows, sheets, pumps, and etc. INVENTORY basically includes any items which will be on the bed but which you do not wish to include in the patient's weight.

To accurately measure a patient's weight, place all "INVENTORY" on the bed that the patient will be using all of the time. "ZERO OUT" the bed weight by pressing the 0.0 button and follow the instructions shown on the LCD screen. After performing the detailed instructions, the weight will be indicated as 0.0 lbs on the LCD screen. Keep in mind that anything added to the weight of the bed i.e. charts, pendants, tubes, additional bed linens etc after the bed weight has been zeroed out will be added to the weight of the patient once a true 0.0 is obtained. All of these items should have been placed on the bed when the bed weight was initially being "zeroed out".

Now, place the patient on the bed. The weight that appears on the LCD screen is the actual weight of the patient.

Assuming we now have the patient in the bed and you desire to change some of the INVENTORY. If you change that inventory the scale does not know rather that change in weight was caused by an inventory change or a patient weight change.

The system provides a convenient way for you to exclude the added weight of the INVENTORY. Press the "HAND" (FREEZE / RESUME) button and the screen will show "FREEZE (patients weight)". The system is telling you it has locked in the patient's weight and you can now change what INVENTORY you like. When you do you will see no change on the screen. Press the HAND and you will unfreeze the reading, which will go to WEIGHT (patient weight) LB.

**UNDER NO CIRCUMSTANCES SHOULD YOU PRESS 0.0 WHILE INVOLVED IN CHANGING INVENTORY.**

The scale system also incorporates a feature which will let you track the weight change of the patient over a period of time.

Push the WT/ CHG MODE button and you will see that the screen reads WT/CHG xxx LB. (As the weight on the bed changes this mode will indicate that change from the time of the 0/0 set.)

This is the only time you can press the 0.0 button with the patient in the bed. Before you press the 0.0 button the screen must read WT/CHG. When you push the 0.0 button and follow the instructions on the screen the screen will read WT/CHG 0.0 lb.

Drainage bags – if drainage bags are used and are attached to the bed, discharge into these bags will be included in the patient weight. The liquid from the bed has not been removed but rather simply transferred from the patient into the bag all of which are measured by the scale. To get a true indication of what's happening you can either take the patient's weight reading and subtract the weight of the fluid in the bag or remove the bag from the bed and then read the patient's weight. Remember anything that stays on the bed is weighed by the scale. For example if 8 ounces of fluid was discharged from the patient into the drainage bag and the bag was still on the bed the scales would be unable to differentiate between the patients weight and what's in the bag.

Patient perspires profusely – in certain cases patients have been known to produce large amounts of perspiration. Here again since the moisture remains on the bed the patients weight will include this moisture so that you do not have a true ideal of the patient's weight.

One way to handle this is to leave the scales in the weight mode and remove as much of the liquid as possible. This will probably have to be done by removing bed clothes, which have absorbed this moisture. After you remove the wet bed clothes you must replace them with dry bed clothes of the exact same type. Now the patient weight as read on the scales will give you a true indication of patient weight.

While doing this procedure do not put the scales in the freeze mode.

OOPS – somebody pressed the 0.0 button with the patient on the bed. What do I do now?

1. If you know the patients weight

- A. Press the WEIGHT MODE button to put the readout into the weight mode.

- B. Press the HAND (FREEZE/RESUME) and the screen will read FREEZE LB.
  
  - C. Press and hold the weight mode button until the lb. read on the screen = the patients weight. This will take some time but just be patient. As the screen counts up it may pause momentarily while it digests the information input. Keep your finger on the weight mode until you get to the patient's weight. (Pressing the WT/CHG will decrease the WT. reading. To be used if you over shoot the desired weight reading.)
  
  - D. When you get to the desired patient weight press the HAND (FREEZE/RESUME) and screen will display the patients weight you have just put into the system.
2. If you do not know the patient's weight remove the patient from the bed and initialize the system by pressing the 0.0 button and follow the instructions on the screen. After the screen reads weight 0.0 lbs. you may put the patient back into the bed.

You will find condensed instructions following and a placard should be attached to the foot board of the bed outlining these procedures.

## INSTRUCTION FOR THE SCALE SYSTEM MODEL 1228

**INITIALIZATION OF SYSTEM** prepare the bed by placing all the items that will be used by the patient such as sheets, blanket, pillow, mattress, pumps, etc known as **INVENTORY** on the bed. The initialization of the system will cancel out the weight of these non-patient items.

1. **INITIALIZATION** - Turn power to bed OFF. Wait 5 seconds. Turn bed ON.

### SCREEN DISPLAY

### YOUR ACTION

Power interrupted press freeze

Press **HAND** (freeze /resume)

Camtec

Wait

WEIGHT xxx LB.

Press 0.0 & hold, follow instruct.

WEIGHT 0.0 LB.

Put patient in bed

WEIGHT (weight of patient) LB.

Read Patient's Weight

2. **CHANGE INVENTORY**

### SCREEN DISPLAY

### YOUR ACTION

WEIGHT (weight of patient) LB

Press **HAND** (freeze/resume)

FREEZE (weight of patient) LB

Make necessary adjust. to bed

FREEZE (weight of patient) LB

Press **HAND** (freeze/resume)

WEIGHT (weight of patient ) LB

Read Patient's Weight

### 3. MEASURE WEIGHT CHANGE

#### SCREEN DISPLAY

#### YOUR ACTION

WEIGHT (weight of patient) LB

Press WT/CHG MODE

WEIGHT CHANGE (weight of patient) LB  
instruct.

Press 0.0 & Hold follow

**\*\*\*CAUTION: DO NOT press 0.0 unless screen reads WT/CHG.**

**You can now toggle between WEIGHT MODE and WT/CHG MODE.**

**You can toggle between LB and KG by pressing Lb/Kg button**

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Pay strict attention to instructions which appear on the screen and comply. Reaction to your adjustments may take some time. Please be patient. **READ SCREEN !!**

Power is lost to the scale by either moving the bed or the control module being turned OFF. When the power is restored the screen will flash **POWER INTERRUPTED-PRESS FREEZE**. Press the **HAND** and the system will be restored to the exact condition which existed prior to the power loss. **DO NOT INITIALIZE**.

If you determine the patient **WEIGHT** is in error you may correct the reading:

1. Press **WEIGHT MODE**
2. Screen reads **WEIGHT**
3. Press **HAND (FREEZE/RESUME)** (patient's weight)
4. Make change to the (patient's weight) by toggling **UP** by using the **WEIGHT MODE** button or **DOWN** by using the **WT/CHG MODE** button.
5. When you get the reading you want Press **HAND (FREEZE/RESUME)**

This will return you to the **WEIGHT MODE**

**SERVICE 1-800-866-1156**

# **CLEANING AND MAINTENANCE**

## **CLEANING**

**Before cleaning any portion of the bed, disconnect the power cord from the wall outlet.**

1. Using standard cleaning procedures, wipe down the frame of the bed. Be sure to wear appropriate protection for the type of materials used to clean the bed.
2. Use cleaning detergents sparingly around the pendant controller, the electronic controller and the motors.

## **PERIODIC INSPECTION AND MAINTENANCE**

The amount of maintenance required by the bed will be dictated by its use. As a minimum the unit should be periodically inspected every 6 months.

1. After a week or two of usage, check all the bolts to be sure that none of them have worked loose and that all pins are in their normal location and securely fastened. Check all welds.
2. At least once every 6 months the actuator drive screw should be lubricated using a heavy duty grease such as Drydene #5871 or equivalent.
3. Put light machine oil on all pivot points every 6 months.
4. Check all electrical connections for tightness..
5. Check all electrical wiring for fraying, kinking and or deterioration.

**IF ANY DISCREPANCIES ARE NOTED DURING INSPECTION THEY MUST BE CORRECTED BEFORE CONTINUED USE OF THE BED.**

A circuit diagram and parts list are provided with the instruction manual. However if Needed, the **Camtec** support department will provide additional assistance as requested to repair any problems determined to be repairable.

**CAUTION, THE BED MUST BE UNPLUGGED FROM THE WALL SOCKET PRIOR TO USING THE EMERGENCY CRANK. FAILURE TO UNPLUG THE BED MAY RESULT IN DAMAGE TO THE BED AND INJURY TO THE PERSONNEL USING THE CRANK.**

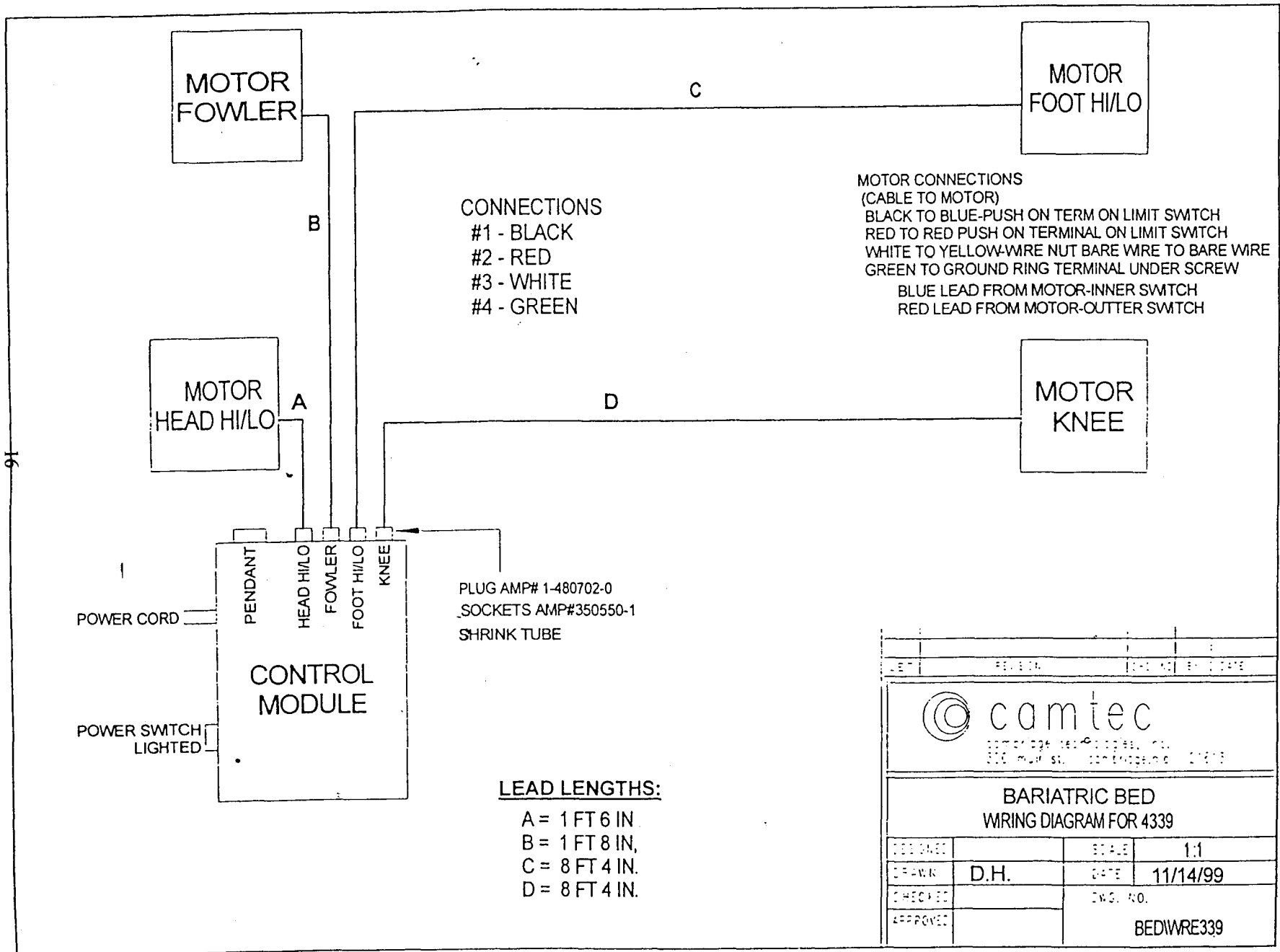
**POWER REQUIREMENTS:**

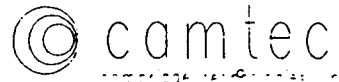
**A power source of 115 VAC 60 Hertz with a capacity of 15 Amperes must be available to operate the bed. A 3 wire receptacle must be supplied. A GFCI is recommended. (Max Current Drawn by the bed is 6 Amperes.)**

## DIAGNOSTIC AND REPAIR

<u>PROBLEM</u>	<u>CAUSE</u>	<u>SOLUTION</u>
No functions operate.	No power to unit.	Check that power cord is plugged into receptacle. Switch is on and light is lit. Check cord for breaks.
Power light does not light	No power to receptacle Switch not turned "ON"	Check for power to receptacle. Turn switch "ON"
Power light is on but no Functions operate	Electrical cords not properly plugged into module.  Bad pendant  Bad Module	Check all electrical cords & connections.  Replace pendant  Replace module
Three motors operate "OK" One motor will not operate	Bad Pendant Bad Control Module Bad Motor Bad Wiring Bad Limit Switches	<u>Isolate the Problem:</u> Interchange motor connections on Control Module – Swap connections on module so that problem motor is plugged into a Motor connection on the module That is working satisfactory. If problem motor now operates "OK" but the motor that operated "OK" now has a problem either the Control Module or the Pendant is faulty. Replace as required.
Note: If the problem followed the motor then the trouble is in the motor system external to the Control Module.		
Problem motor circuit Motor at foot end	Defective wiring	Check wiring between control module and motor. Reverse leads at enter of bed.
Problem motor circuit Motor at head end	Defective wiring	Check wiring between control module and motor.
Motor will not run	Defective motor	Replace motor actuator assembly



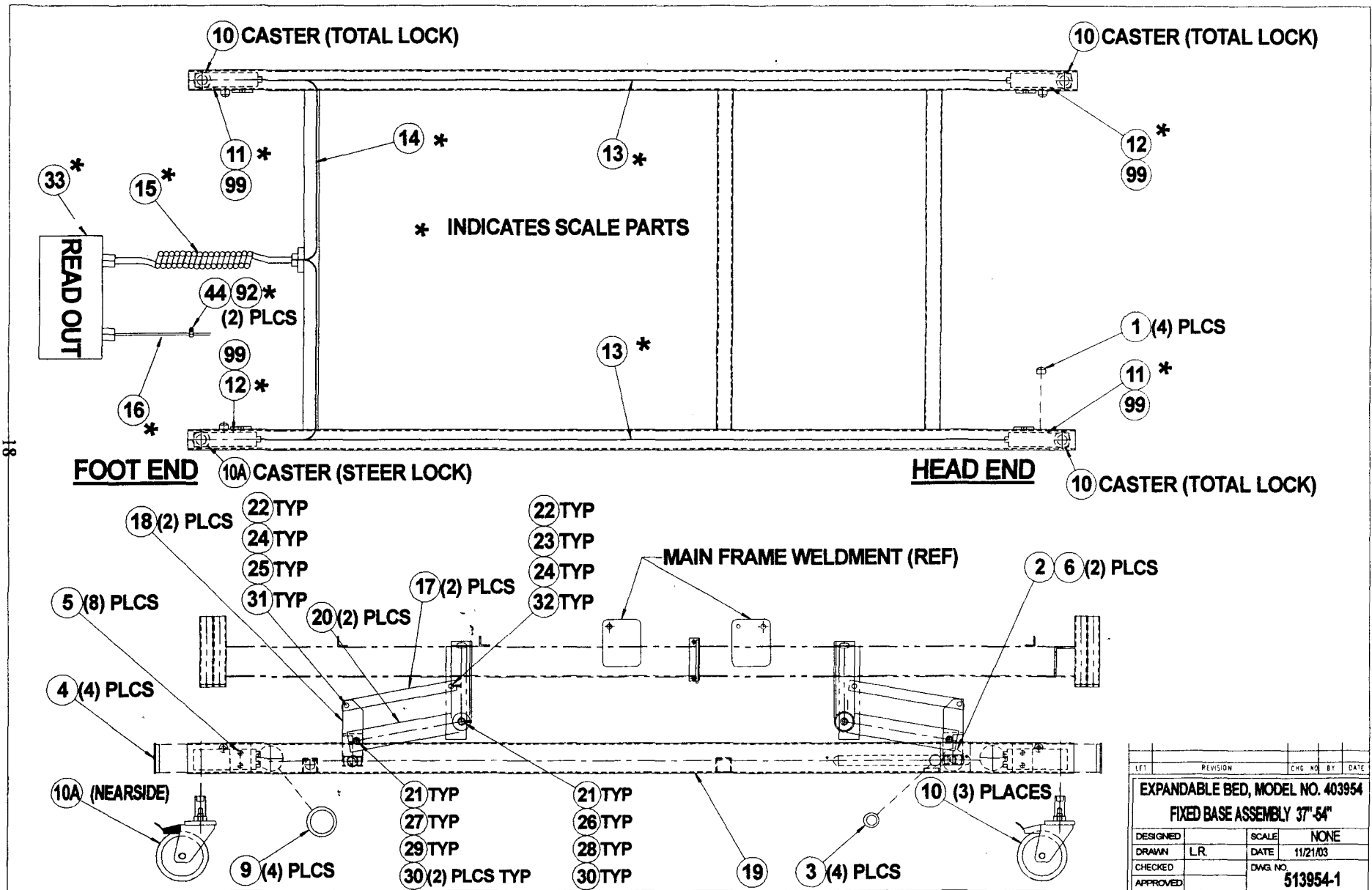


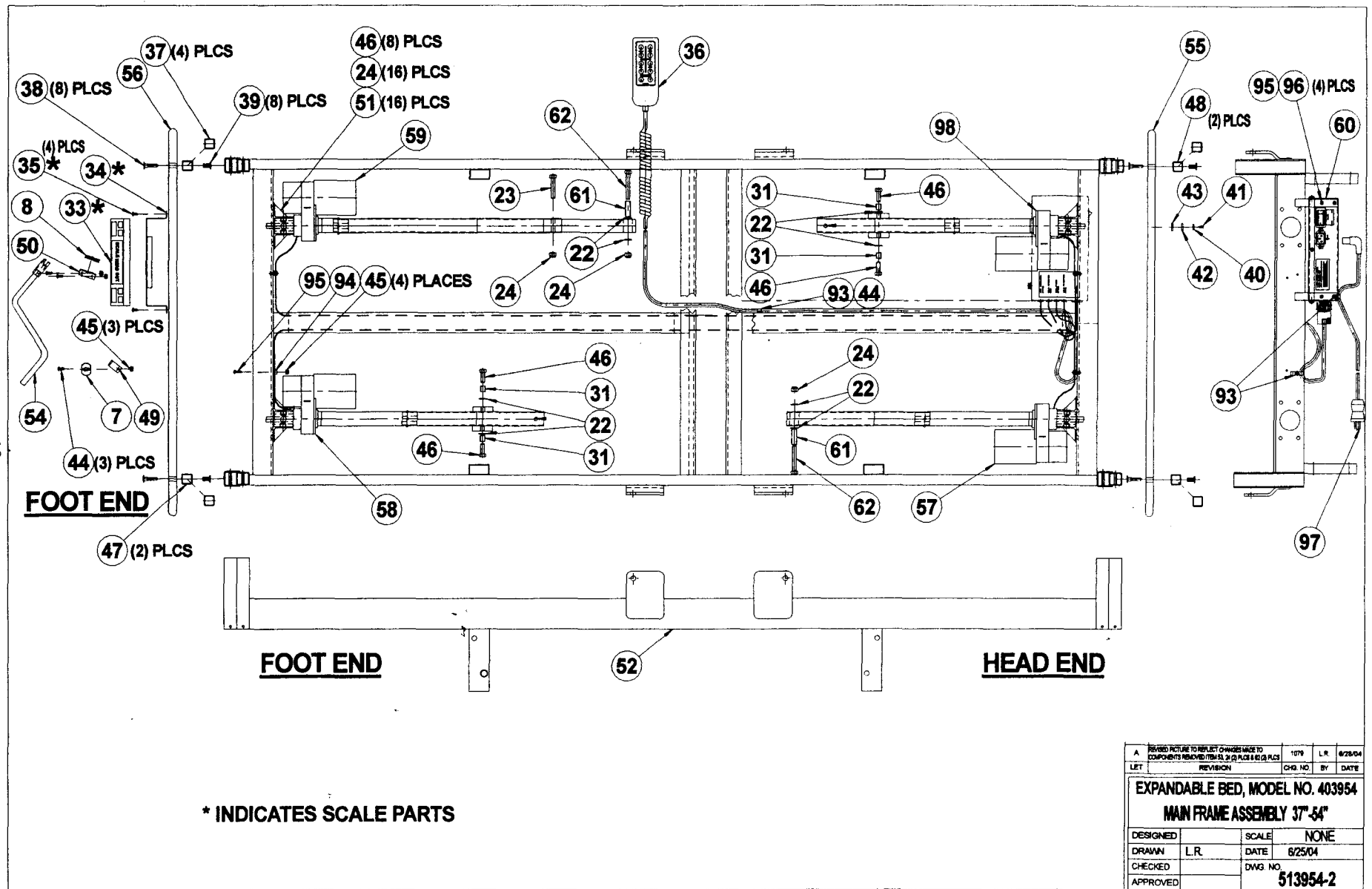
REV	REVISION	DATE	BY
 camtec <small>camtec medical systems, inc.          300 main st. cambridge, ma 02142</small>			
<b>BARIATRIC BED</b> <b>WIRING DIAGRAM FOR 4339</b>			
DESIGNED		SCALE	1:1
DRAWN	D.H.	DATE	11/14/99
CHECKED		DWG. NO.	
APPROVED		BEDWRE339	

# PARTS MANUAL

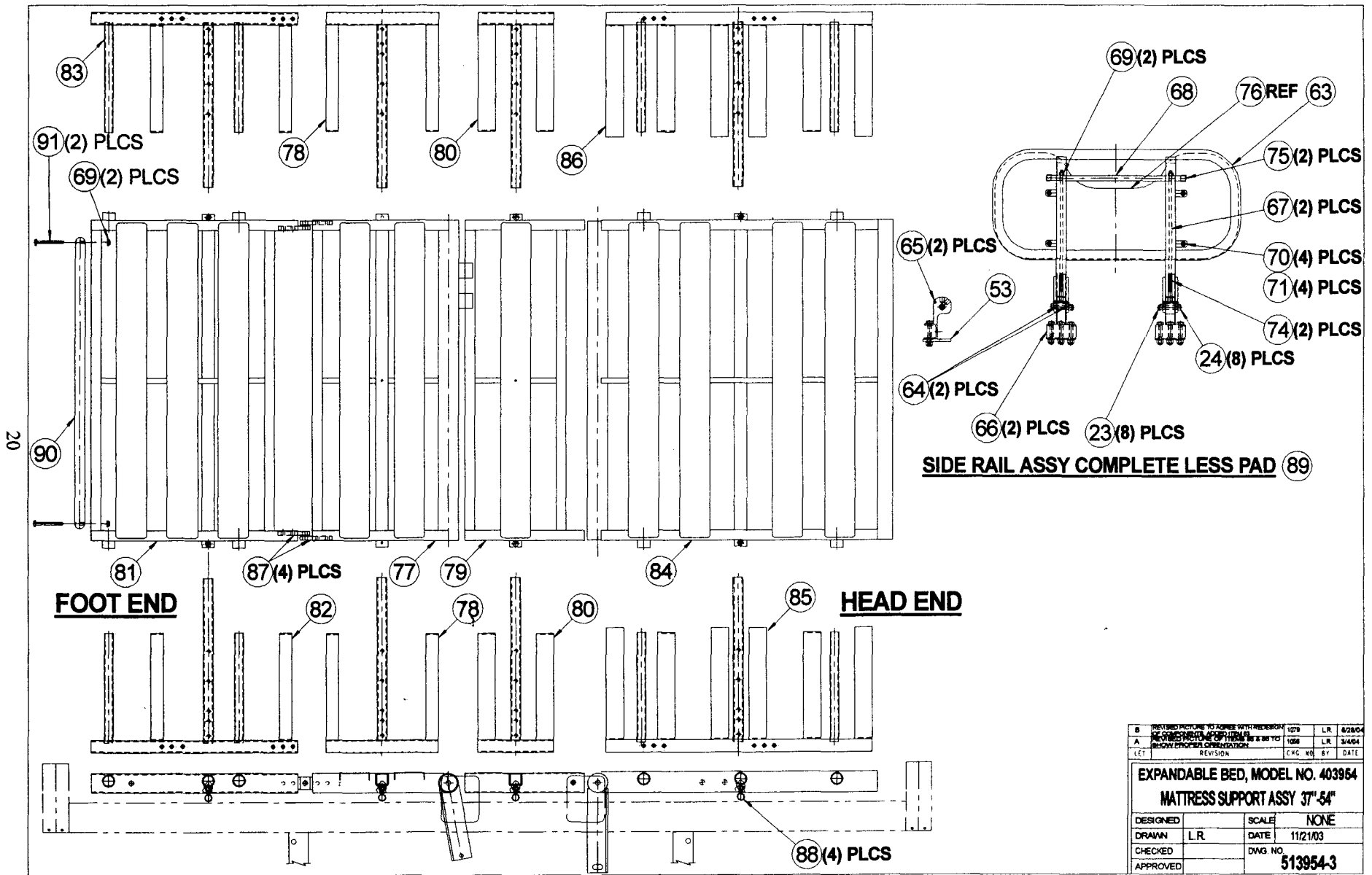
<b>EXPANDABLE BED, 37"-54" MODEL NO. 403954 DRAWING LIST</b>	
<b>DWG. NO.</b>	<b>DESCRIPTION</b>
513954-1	FIXED BASE ASSEMBLY DRAWING
513954-2	MAIN FRAME ASSEMBLY DRAWING
513954-3	MATTRESS SUPPORT ASSEMBLY DRAWING
513954-4	PARTS LIST SHEET 1 OF 3
513954-5	PARTS LIST SHEET 2 OF 3
513954-6	PARTS LIST SHEET 3 OF 3

**513954-0**  
11/21/03





A		REVISED PICTURE TO REFLECT CHANGES MADE TO COMPONENTS RELATED TO THIS 2-D PICTURE (P/PLCS)		1079	L.R.	8/28/04
LET	REVISION	CHG. NO.	BY	DATE		
EXPANDABLE BED, MODEL NO. 403954						
MAIN FRAME ASSEMBLY 37"-54"						
DESIGNED		SCALE	NONE			
DRAWN	L.R.	DATE	8/25/04			
CHECKED		DWG. NO.	513954-2			
APPROVED						



B	REVISED PICTURE TO AGREE WITH REVISION	1079	L.R.	8/28/04
A	REVISED PICTURE TO OPTIMIZE LAYOUT	1058	L.R.	3/4/04
LET	REVISION	CHK. NO.	BY	DATE
<b>EXPANDABLE BED, MODEL NO. 403954</b>				
<b>MATTRESS SUPPORT ASSY 37" 54"</b>				
DESIGNED	L.R.	SCALE	NONE	
DRAWN	L.R.	DATE	11/21/03	
CHECKED		DWG. NO.	513954-3	
APPROVED				

**EXPANDABLE BED, 37"-54"  
MODEL NO. 403954**

**PARTS LIST**

<b>ITEM</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	106168-0	GUIDE
2	106309-0	ROLLER 39" FIXED BASE, SCALES
3	901236-0	PLUG, 1-1/8" DIA HOLE
4	901237-0	CAP, 2" X 3"
5	901240-0	BOLT, SHOULDER (LOAD CELL)
6	901241-0	BOLT, SHOULDER (ROLLER)
7	903172-0	SPRING CLIP
8	903174-0	GROMET, 3/4" X 1-1/8"
9	903234-0	PLUG, 2-1/2" DIA HOLE
10	903308-0	CASTER, TOTAL LOCK
10A	903309-0	CASTER, STEER LOCK
11*	901229-0	LOAD CELL R.H.
12*	901229-1	LOAD CELL L.H.
13*	901230-0	LOAD CELL LEAD, 92" (300503-0)
14*	901231-0	LOAD CELL LEAD, SPLIT (300502-0)
15*	901235-0	READ OUT CONNECTOR LEAD (300492-0)
16*	901234-0	POWER LEAD (300501-0)
17	104575-0	LINK, LEG CONNECTOR
18	203049-0	AXEL WELDMENT
19	203045-0	CHASSIS WELDMENT
20	203047-0	LEG LINK TORQUE TUBE WELDMENT
21	900411-0	NUT, HEX, ELASTIC LOCK, 1/2-13
22	900419-0	WASHER, NYLON, 1/2 X 3/4 X 1/16
23	902512-0	BOLT, HEX, 3/8-16 X 2
24	902518-0	NUT, HEX, ELASTIC LOCK, 3/8-16
25	902524-0	BOLT, HEX, 3/8-16 X 1-1/4
26	903152-0	BUSHING, BRONZE, 5/8 X 1-1/8
27	903153-0	BUSHING, BRONZE, 5/8 X 1-3/4
28	903154-0	BOLT, HEX, 1/2-13 X 2
29	903155-0	BOLT, HEX, 1/2-13 X 2-1/2
30	903173-0	WASHER, NYLON, 5/8 X 1-1/8 X 1/16
31	104592-0	SPACER 1/2 X 9/16
32	106111-0	SPACER 1/2 X 1-5/16
33*	901232-0	SCALE READ OUT

**513954-4**  
11/21/03

# EXPANDABLE BED, 37"-54"

## MODEL NO. 403954

### PARTS LIST

ITEM	PART NO.	DESCRIPTION
34	203033-0	BRACKET, SCALE READ OUT
35	901020-0	SCREW, #10 X 1/2 SHEET METAL PHIL.
36	903142-0	PENDANT (903284-0)
37	900653-0	CAP PLUG
38	903164-0	HEAD BOARD BOLT
39	903165-0	HEAD BOARD NUT
40	903175-0	WASHER, FINISH, #8, S/S
41	903176-0	SCREW, #8 X 1/2, OVAL HEAD, S/S
42	106459-0	STRAP, CORD HANGER, VELCRO-LOOP
43	106460-0	STRAP, CORD HANGER, VELCRO-HOOK
44	901061-0	SCREW, #10-32 X 1/2, ROUND HEAD PHIL., S/S
45	900094-0	NUT, HEX, 10-32, ELASTIC LOCK
46	902513-0	BOLT, HEX, 3/8-16 X 1
47	300591-0	FOOT BOARD SUPPORT ASSEMBLY
48	300592-0	HEAD BOARD SUPPORT ASSEMBLY
49	106167-0	BRACKET, EMERGENCY CRANK
50	106166-0	BRACKET, EMERGENCY CRANK
51	203012-0	ANGLE, ACTUATOR MOUNTING
52	203071-0	MAIN FRAME
53	106370-0	SIDE RAIL SHIELD
54	203204-0	EMERGENCY CRANK
55	903336-0	HEAD BOARD
56	903337-0	FOOT BOARD
57	300520-0	ACTUATOR & CABLE ASSEMBLY, FOWLER
58	300522-0	ACTUATOR & CABLE ASSEMBLY, HI-LO FOOT END
59	300523-0	ACTUATOR & CABLE ASSEMBLY, KNEE GATCH
60	300476-0	CONTROL BOX (300513-0 REF)
61	106141-0	SPACER, 1/2 X 1-1/2
62	903118-0	BOLT, HEX, 3/8-16 X 2-1/2
63	203006-1	SIDE RAIL WELDMENT
64	900991-0	WASHER NYLON 3/8 X 3/4 X 1/16
65	902014-0	SPRING PIN, 1/4 DIA X 1.5
66	203223-0	PIVOT WELDMENT

**513954-5**

11/21/03

REVISED 6/28/04

# EXPANDABLE BED, 37"-54"

## MODEL NO. 403954

### PARTS LIST

ITEM	PART NO.	DESCRIPTION
67	104633-0	SIDE RAIL LOCK PIN WELDMENT
68	104636-1	SIDE RAIL RELEASE ROD
69	900016-0	NUT, ELASTIC LOCK, 1/4-20
70	900258-S	LOCK WASHER, SPLIT, 1/4, S/S
71	901071-0	SCREW, 1/4-20 X 5/8, PAN HEAD PHIL., S/S
72		
73		
74	803025-0	SPRING
75	803026-0	CAP, 1/2"
76	105070-1	PAD, SIDE RAIL PLYWOOD (REF)
77	203057-0	UPPER KNEE GATCH WELDMENT
78	203059-0	MATTRESS SUPPORT, UPPER KNEE GATCH
79	203055-0	MID SECTION WELDMENT
80	203056-0	MATTRESS SUPPORT, MID SECTION
81	203060-0	LOWER KNEE GATCH WELDMENT
82	203061-0	SIDE RAIL SUPPORT ASSY, L.H., LOWER KNEE GATCH
83	203062-0	SIDE RAIL SUPPORT ASSY, R.H., LOWER KNEE GATCH
84	203050-0	FOWLER WELDMENT
85	203052-0	SIDE RAIL SUPPORT ASSY, L.H., FOWLER
86	203053-0	SIDE RAIL SUPPORT ASSY, R.H., FOWLER
87	106034-0	HINGE HALF
88	300587-0	PLUNGER ASSY
89	305008-1	SIDE RAIL ASSEMBLY, WING
90	203203-0	MATTRESS STOP ASSEMBLY
91	903117-0	BOLT, HEX, 1/4-20 X 2-1/4
92*	903233-0	CABLE CLAMP, 1/8" NYLON
93	903179-0	CABLE CLAMP, 1/4" NYLON
94	903180-0	CABLE CLAMP, 5/16" NYLON
95	901007-0	SCREW, #10-32 X 5/8 ROUND HEAD SS PHILLIPS
96	900171-0	WASHER, LOCK, #10 INTERNAL TOOTH
97	903268-0	CORDSET
98	300521-0	ACTUATOR & CABLE ASSEMBLY, HI-LO HEAD END
99	106322-0	ALUMINUM DUMMY CELL

513954-6



# BED LABELS

**← CAUTION →**  
**PINCH POINT AREA**  
**KEEP HANDS AND ARMS CLEAR**

ITEMS ① & ②

**HEAD**  
ITEM ③

**BED**  
ITEMS ④ & ⑤

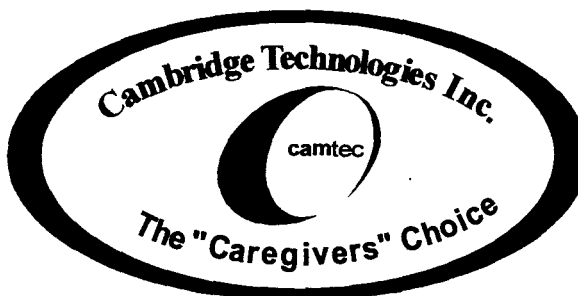
**FOOT**  
ITEM ⑥

**CRANK**  
↓ ↓

ITEM ⑦

CUT TIE WRAP TO REMOVE  
EMERGENCY CRANK

ITEM ⑧



ITEM ⑨

**DO NOT** PRESS "0.0" WHILE  
PT. IS ON BED    ATTN: To view pt. weight - press "WEIGHT MODE" once

ITEM ⑩

**MAXIMUM CAPACITY**  
**1000 LBS**

ITEM ⑪

ENDBOARD SOCKET


TRAPEZE SOCKET

ITEM ⑭

STEER LOCK  
CASTER     **CAUTION** KEEP FEET CLEAR  
OF CASTERS

ITEM ⑫

ITEM ⑮

TOTAL LOCK  
CASTER     **CAUTION** KEEP FEET CLEAR  
OF CASTERS

ITEM ⑬