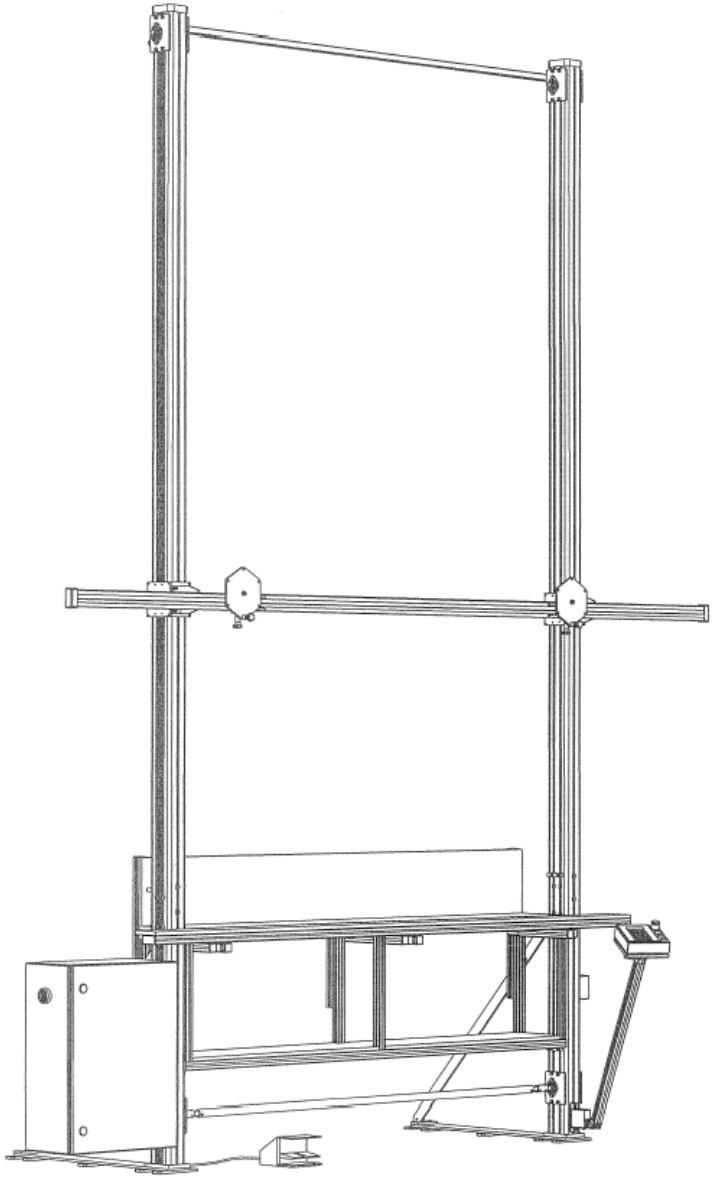

OPERATION MANUAL
FOR PRECISION TEST HOIST

8015 SERIES

- MANUAL
- SEMI-AUTOMATED

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RISK ASSESSMENT FOR PRECISION TEST HOIST (8015 SERIES)

Synopsis:

ACMEDA Australia engaged the services of Gamon Engineering Consulting Services to coduct a risk assessment on their precision test hoist (8015 series). A comprehensive assessment which complies with Australian Standard AS4024 is presented, with all the potential hazards identified and given a risk score and ranking.

Below is a summary check-list for all the components which make up the hoist and a review of compliance with the relevant standard is presented. It was ascertained that the hoist complied with all the safety requirements AS4024 and thus it's safety category is Class 4.

TABLE 1

Item No	Description	Highest Risk Value	Risk Rank	Comments
1	Power On/Off Switch	8	Low	Complies with Standard
2	Emergency Stop	8	Low	Complies with standard
3	Up & Down Buttons	8	Low	Complies with standard
4	Bottom Limit Switch	1	Low	Complies with standard
5	Pillar	8	Low	Complies with standard
6	Manual Check Tape Measure	2	Low	Complies with standard
7	Top Limit Switch	16	Medium	Complies with standard
8	Carriage For Cross Arm	16	Medium	Complies with standard
9	Cross Arm	16	Medium	Complies with standard
10	Sliding Table	2	Low	Complies with standard
11	Foot Pedal Controls	16	Medium	Complies with standard
12	Electrical Box	48	High	Complies with standard
13	Indexing Bracket System	1	Low	Complies with standard
14	Control Panel Interface	2	Low	Complies with standard
15	Indexing Bracket Plate	1	Low	Complies with standard
16	Top Extension Arm	1	Low	Complies with standard
17	Auto-Lock Pin	1	Low	Complies with standard
18	Star Knob/Shaft	1	Low	Complies with standard
19	Optional Backboards	1	Low	Complies with standard
20	Roman Blind Brackets	1	Low	Complies with standard
21	Safety Bracket	1	Low	Complies with standard
22	Intermediate Bracket	1	Low	Complies with standard
23	Cross Arm Extensions	8	Low	Complies with standard
24	Electrical Wiring & Cables	16	Medium	Complies with standard
25	Drive Shaft	16	Medium	Complies with standard
26	Force Cooling Fan	16	Medium	Complies with standard
27	Motor	16	Medium	Complies with standard
28	Auto Transformer	16	Medium	Complies with standard

Certified By: George Addae ..... Director & Principal Consultant

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HOIST SAFETY PRECAUTIONS-CUSTOMER RESPONSIBILITIES

Installation and commissioning of hoist are to be performed by Acmeda trained personnel only. Contact the manufacturer for all technical supports. No mechanical or electrical work on the hoist should be undertaken except by qualified technicians.

CUSTOMERS RESPONSIBILITY:

It is the responsibility of the owner to ensure that the hoist is used only within its specifications and for its intended applications.

It is the responsibility of the owner to ensure that all operators have been thoroughly trained in the safe operation of the hoist and its components.

OPERATORS RESPONSIBILITY:

It is the responsibility of the operator to ensure that the maximum loads specified for the hoist is not exceeded (please see specifications sheet).

It is the responsibility of the operator to ensure that nothing is ever hanging loosely from the cross arm and that the work area is always kept clean and clear of obstructions.

HOIST SET UP REQUIREMENTS:

Electrical cord for hoist should be hung from above and secured clear of the hoist pillars. It should not be lying on the ground. Use of RCD is recommended for sockets connecting the hoist and power cords should be tagged and regularly inspected to prevent electric shocks.

Safety barriers need to be placed at the far ends of the cross arm to avoid collisions with operators.

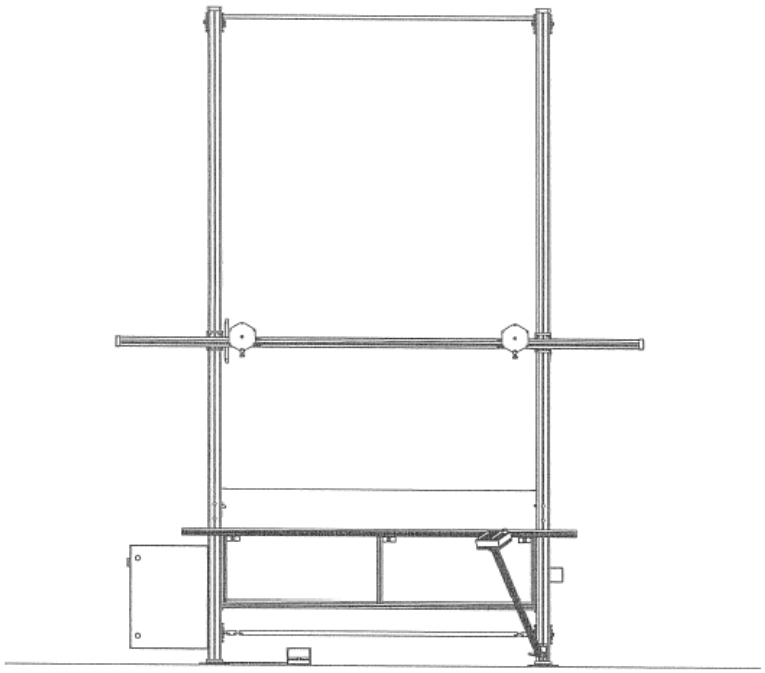
Electrical Box key should be stored away from machine with management or technical staff.

Acmeda accepts no responsibility for property damage or personal injury if safety precautions and procedures are not followed.

TECHNICAL INFORMATION

8015 SERIES PRECISION TEST HOIST

Voltage/ Amperage	240V - 50Hz / 10Amp
Safety Category (EN 954)	Category 4
Australian Standards	AS 4024, AS3100
EN Standards	EN 292, EN1088, EN 954, EN 418, EN 894, EN 60204, EN 61800-3, EN 61800-5
Safety Features:	Emergency Stop All external wiring and switches are 24V (extra low voltage) Override dead stop Over load electrical trip switch (motor protected)
Overall Dimensions:	5000mm high x 4000mm wide x 1000mm base
Maximum blind width capacity:	Up to 3.7 metres for roller blinds Up to 5.0 metres for venetian blinds
Height capacity:	Up to 3.8 metre drop to work table Up to 4.8 metre drop to floor
Max Blind weight capacity:	30 Kgs (Manual model) 60 Kgs (with servo drive EMS model)
Operating Speed:	5.4 sec per metre (Manual model) 3.0 sec per metre (with servo drive EMS model)
Base Bolts:	Base to Concrete - Sleeve Anchor Hex Head, 10 X 75mm, ~ 3.5kN Tension Hoist to Base -Socket Head Cap Screw, M10 X 20, ~ 1310MPa Tensile



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OPERATION MANUAL | **FOR PRECISION TEST HOIST**

TABLE OF CONTENTS

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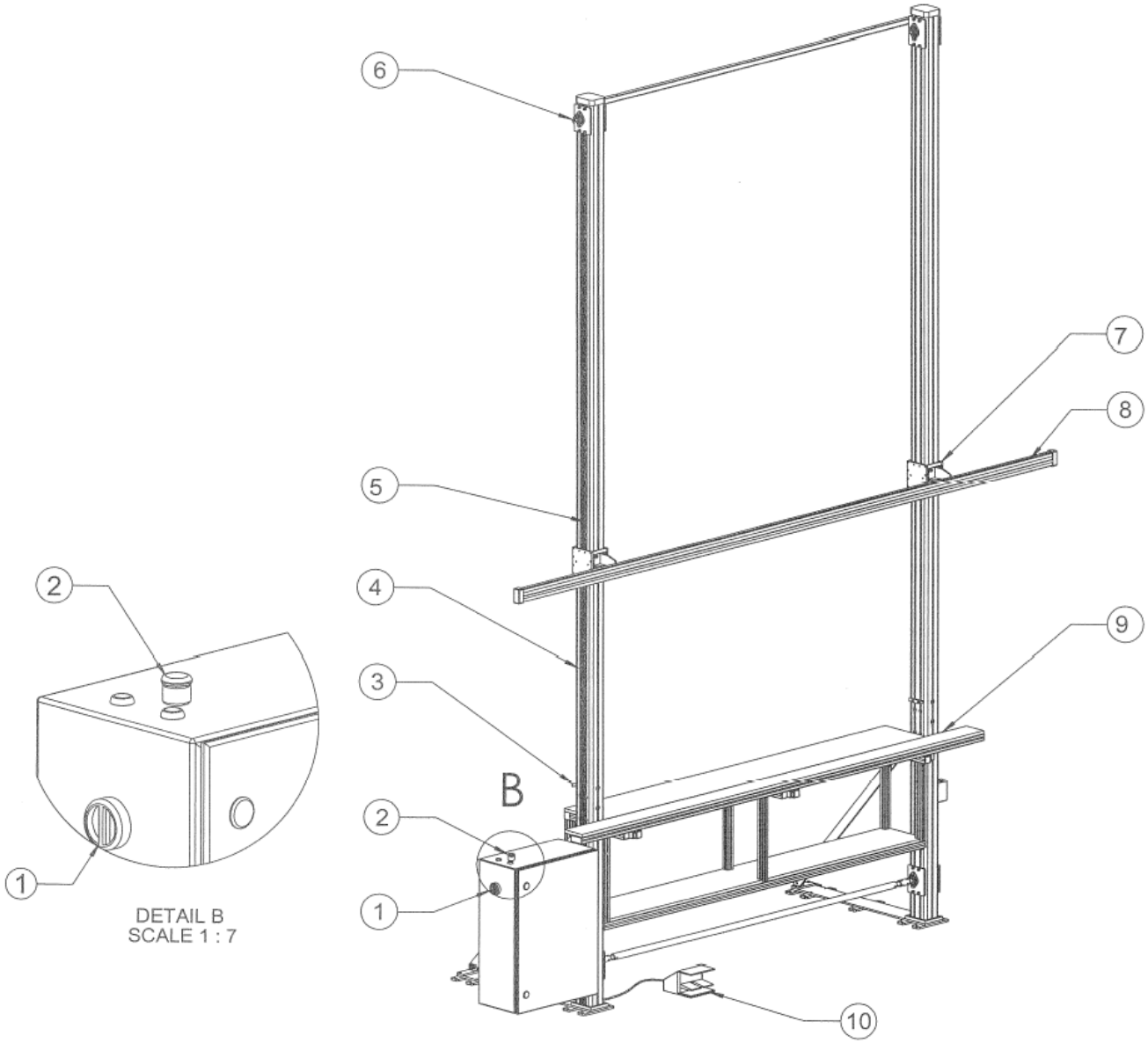

SINGLE SIDE-MANUAL

1. Power On / Off Switch
2. Emergency Stop / Up & Down Buttons
3. Bottom Limit Switch Location
4. Pillar
5. Manual Check Tape Measure (Left Pillar)
6. Top Limit Switch Location
7. Carriage for Cross Arm
8. Cross Arm
9. Sliding Table
10. Foot Pedal Controls

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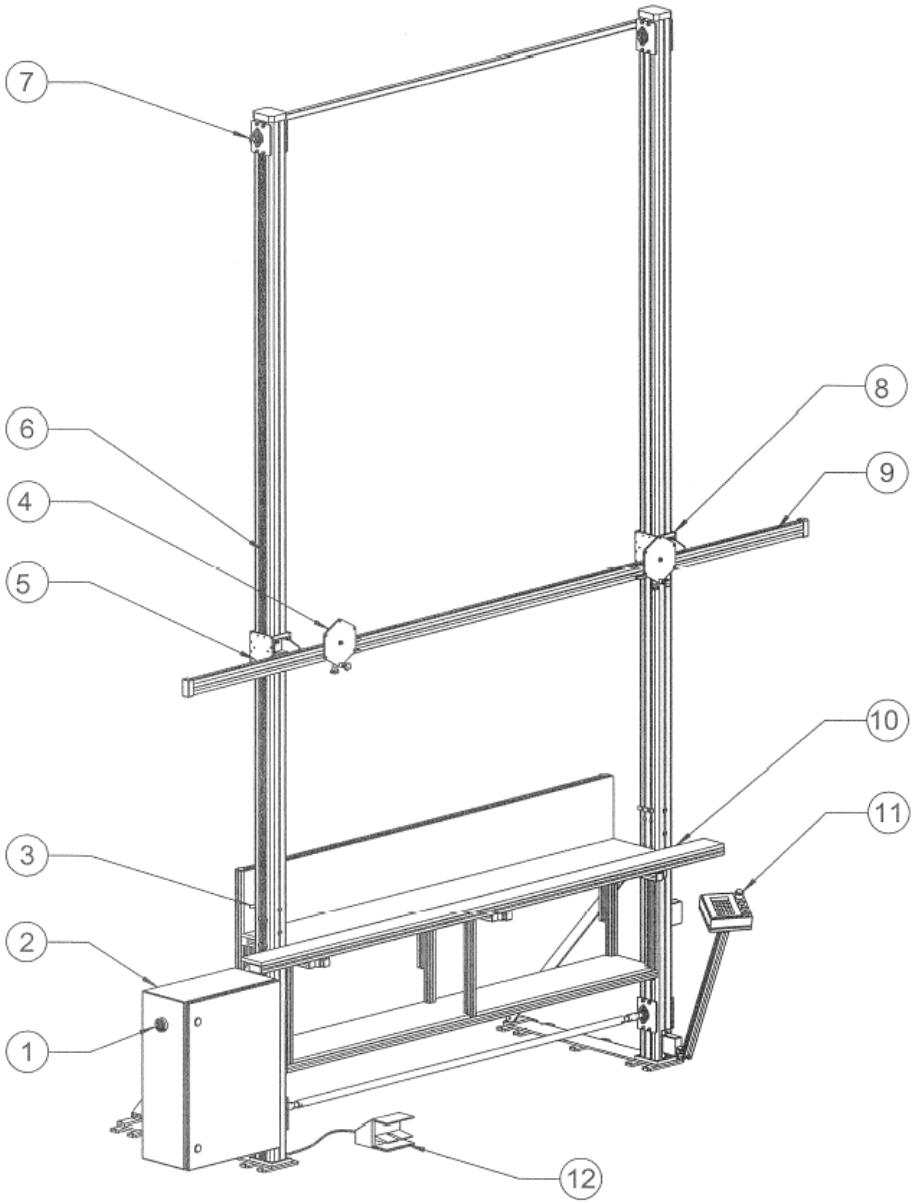

SINGLE SIDE WITH EMS
(ELECTRONIC MEASURING SYSTEM)

1. Power On / Off Switch
2. Electrical Box
3. Bottom Limit Switch Location
4. Indexing Bracket System
5. Pillar
6. Manual Check Tape Measure (Left Pillar)
7. Top Limit Switch Location
8. Carriage for Cross Arm
9. Cross Arm
10. Sliding Table
11. Control Panel Interface
12. Foot Pedal Controls

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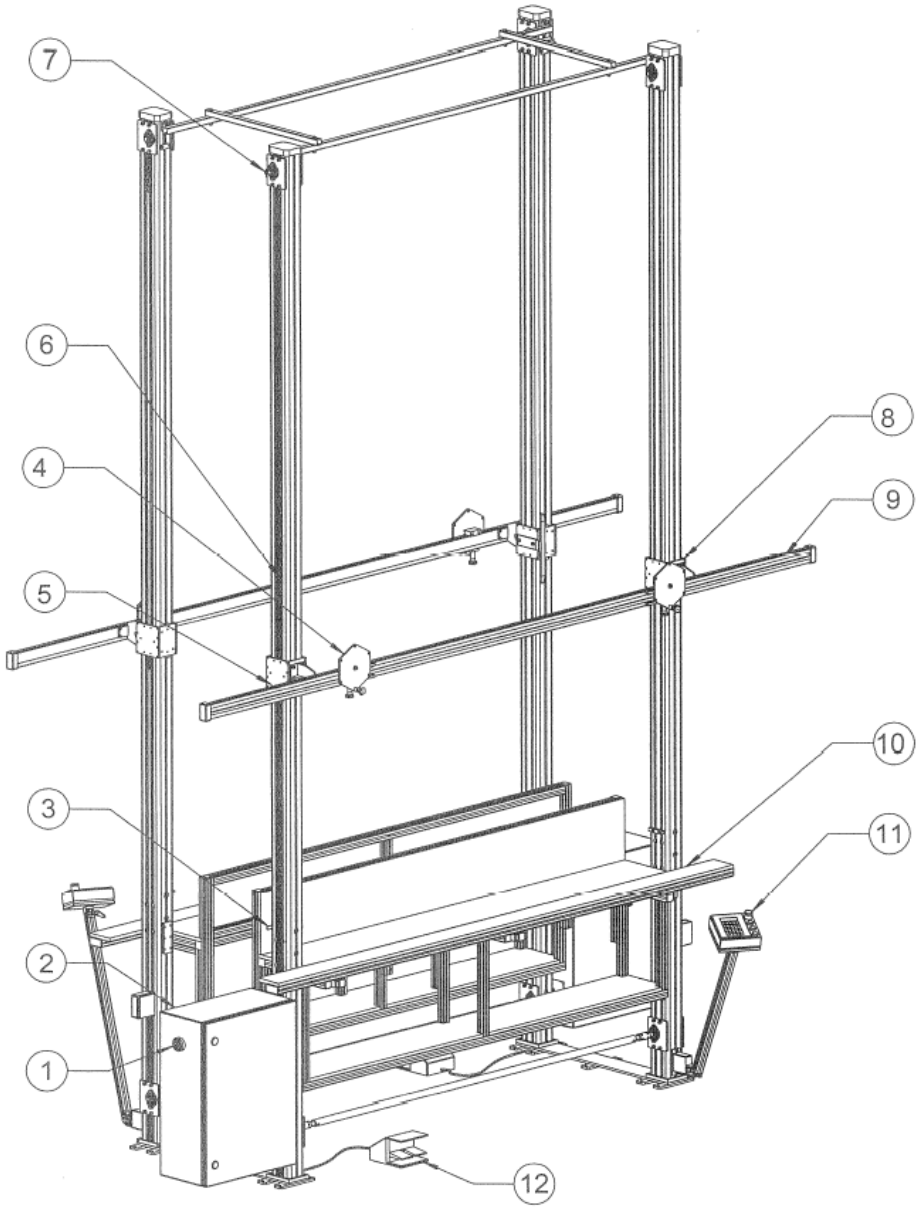

DOUBLE SIDE HOIST WITH EMS
(ELECTRONIC MEASURING SYSTEM)

1. Power On / Off Switch
2. Electrical Box
3. Bottom Limit Switch Location
4. Indexing Bracket System
5. Pillar
6. Manual Check Tape Measure (Left Pillar)
7. Top Limit Switch Location
8. Carriage for Cross Arm
9. Cross Arm
10. Sliding Table
11. Control Panel Interface
12. Foot Pedal Controls

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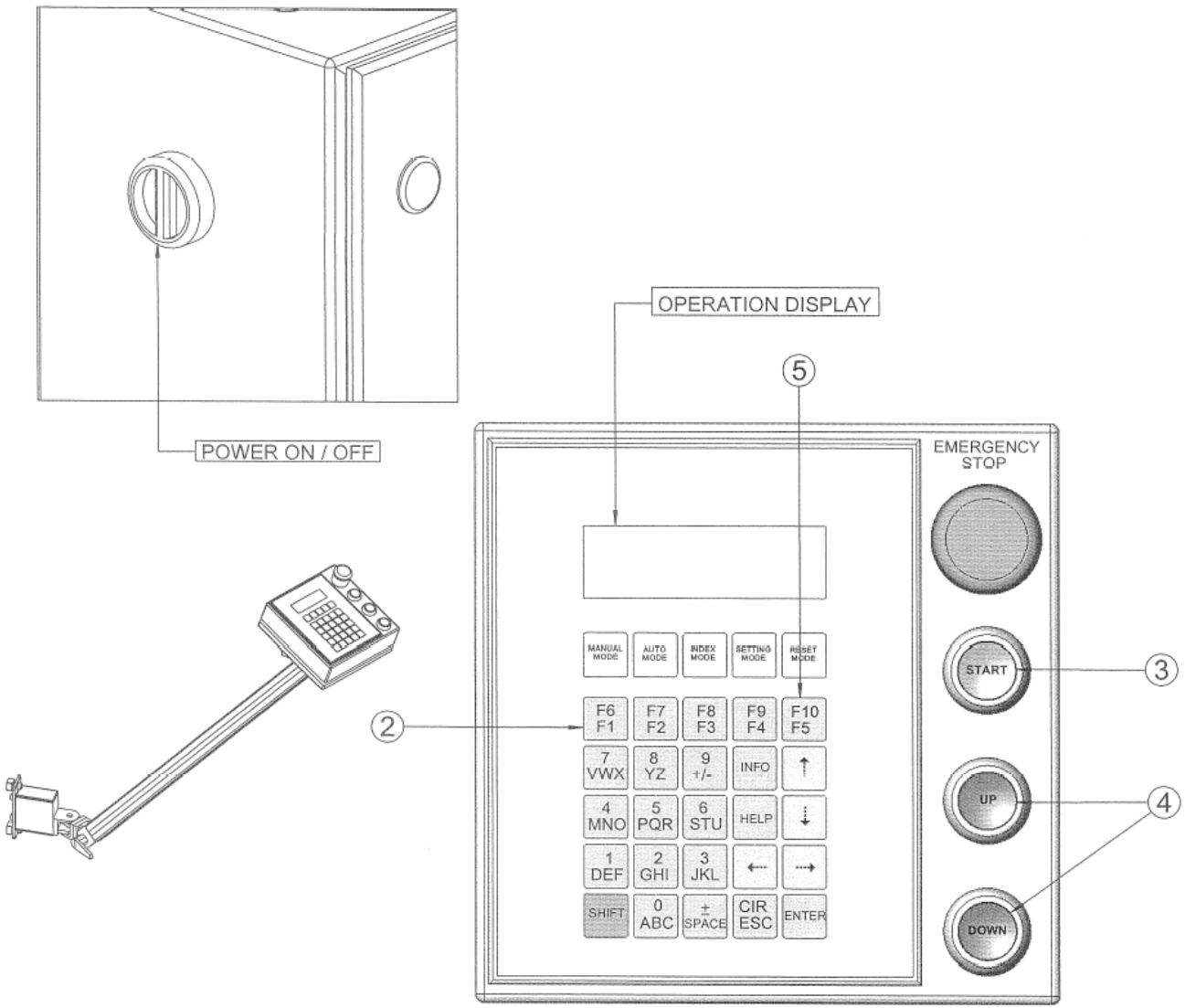

BASIC HOIST OPERATION

Each time the Hoist is switched on a few simple steps should be followed to prepare it for operation.

Step 1: Turn the power to the hoist on and wait a few seconds for the display prompts.

Step 2: The display should now prompt you to press F1 to continue. Press F1.

The display should now indicate that the Hoist is in manual use mode. At this point the cross arm needs to be calibrated for accurate measuring.

Step 3: Press Start to reset (calibrate) the cross arm. The cross arm should now be resetting itself to the zero position and then move back up to working height.

Step 4: The Hoist is now ready to use in manual mode. The cross arm can be raised and lowered using the black Control Panel buttons and by using the foot pedals.

Please note: If for any reason you fail to reset (calibrate) the cross arm (Steps 3 and 4) the electronic measuring system will not be accurate and you will find that the cross arm stops abruptly at the top or bottom sensor. If this happens you must reset the Hoist by pressing F5 (5) and following Steps 3 and 4.

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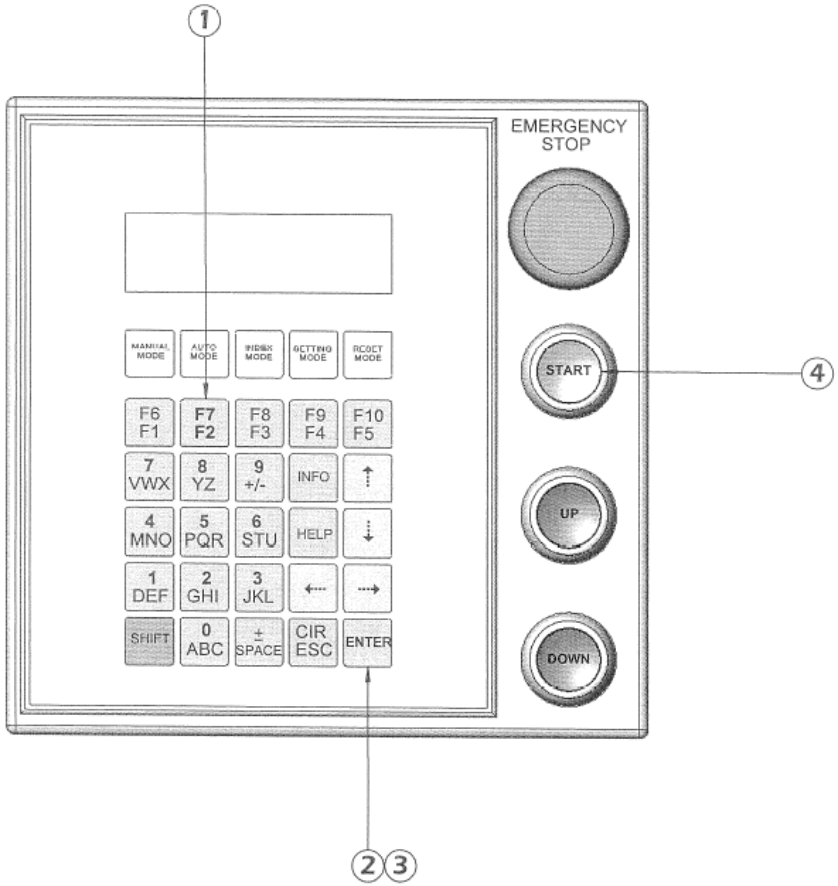


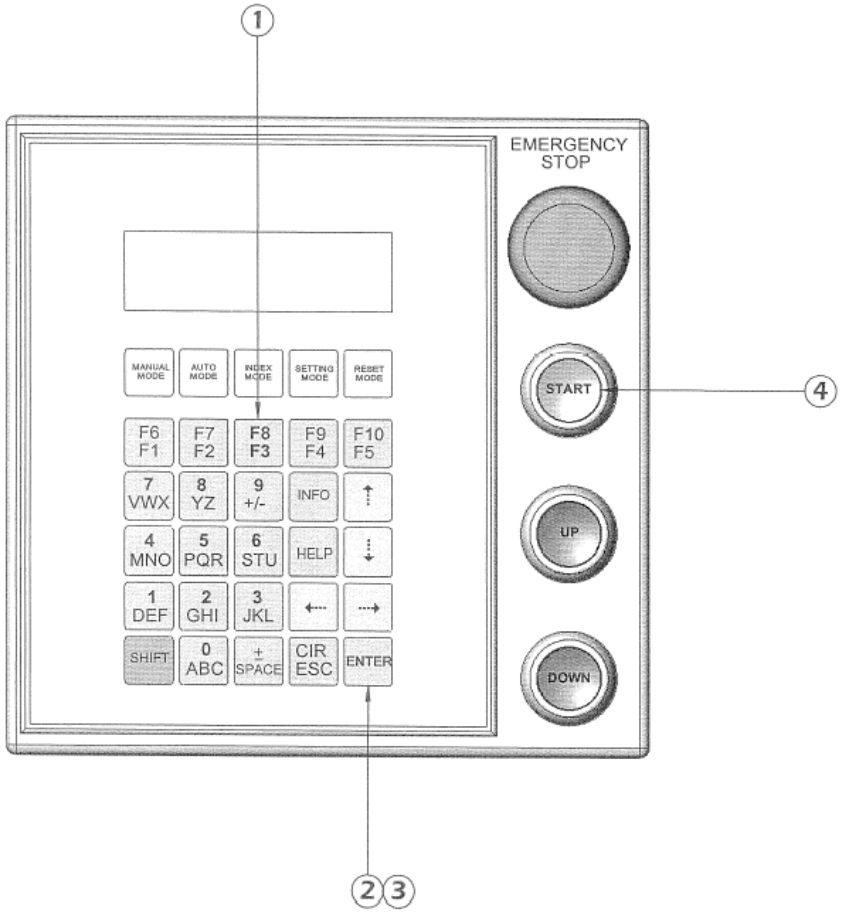
AUTOMATIC MODE

Programming the Cross Arm for Specific Heights:

The cross arm can be accurately programmed for specific testing heights down to the individual millimeter.

1. Press F2 to bring up the height programming menu.
2. Press Enter (The cursor should now be flashing in "New Pos").
3. Now type in the desired height position in millimeters and press Enter.
4. Press the Start button and the Cross Arm should rise to the programmed position.
5. To program in a different height simply press Enter again to get the cursor flashing in "New Pos".
6. Type in the new height and press Enter and then Start (just as in Steps 3 and 4).

Press F1 to return to Manual Mode at any time.



INDEXING MODE

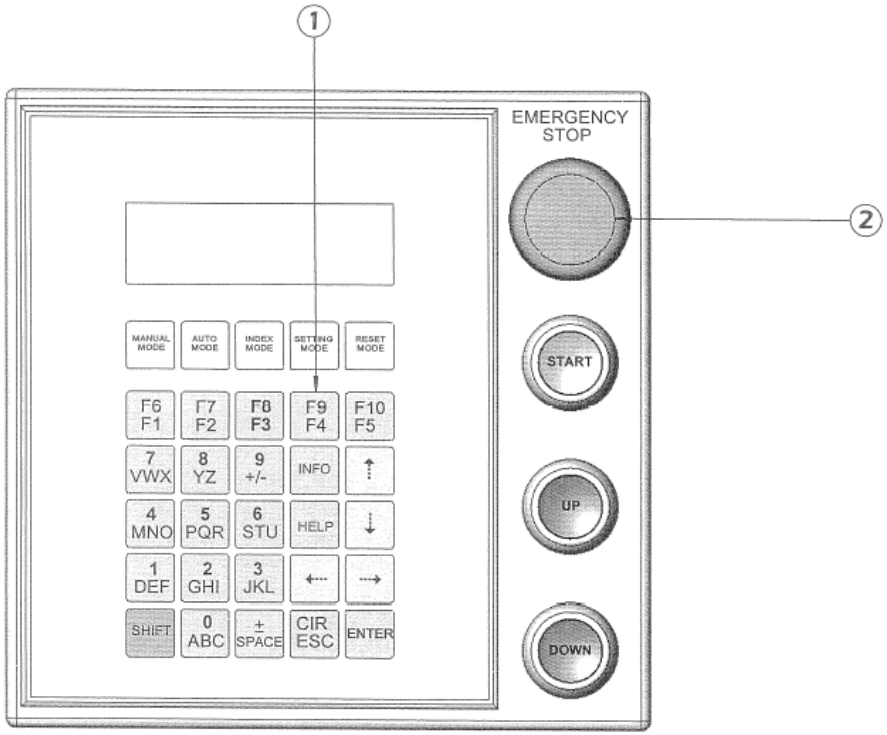
Programming the Cross Arm for Height Indexing:

The cross arm can be programmed to index at height intervals accurately down to the individual millimeter.

1. Press F3 to bring up the indexing programming menu.
2. Press Enter (The cursor should now be flashing in "Index").
3. Now type in the desired index interval in millimeters and press Enter.
4. Press the Start button and the Cross Arm should rise the interval distance from the current position.
5. From now, every time you press the Start button the Cross Arm will move up the programmed index distance .

Please note that the indexing starts from wherever the Cross Arm height is when the intervals are programmed, not from the zero position.

Press F1 to return to Manual Mode at any time.



SETTINGS MODE

Adjusting the Settings of the Cross Arm:

Generally, the factory settings of the Hoist should not be changed.

If for any reason they need to be altered for specific testing purposes then refer to the following guide.

Press F4 (1) to bring up Settings Menu

Factory settings and descriptions are as follows:

MaSp 100 % : Manual Speed

AuSp 100% : Auto Speed

InSp 100% : Indexing Speed

Oset -275mm : Offset from Table- adjusted on site for customer

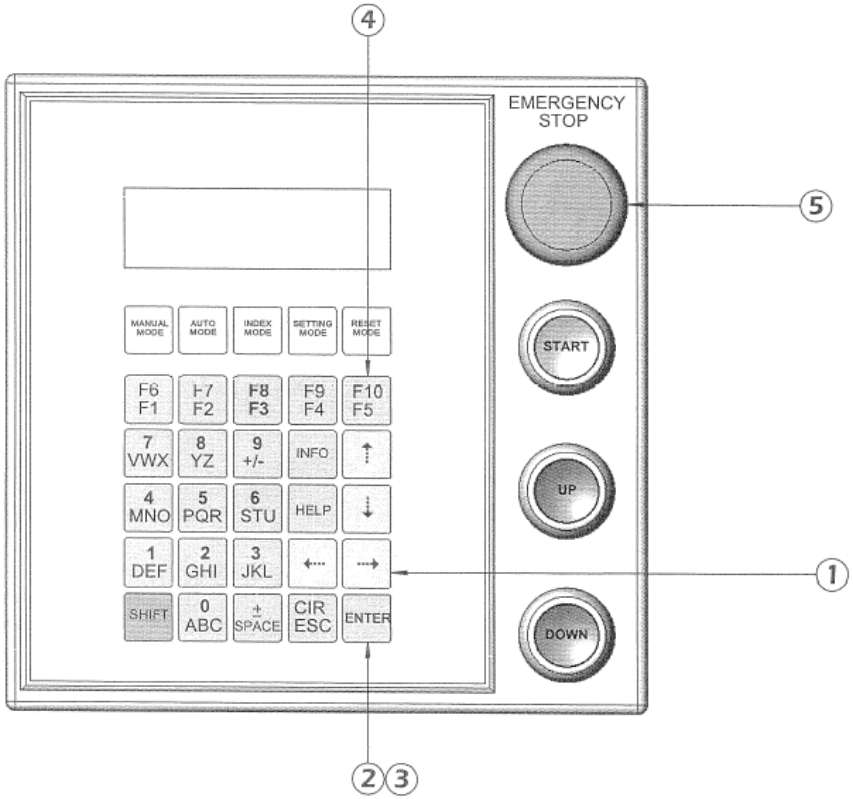
PLim 3200mm : Upper Pillar Limit for cross arm height

To change any of the factory settings the Emergency Stop button (2) must be pressed.

(Continued on next page)

FACTORY SETTINGS

MaSp 100%
AuSp 100%
InSp 100%
Oset -275mm
PLim 3200mm



SETTINGS MODE

Adjusting the Settings of the Cross Arm:

(Continued from previous page)

After the Emergency Stop button is pressed the Settings can be adjusted.

1. Use the side arrow keys to move cursor to the setting that needs to be changed.
2. Press Enter to get the cursor flashing. You can now type in the desired changes.
3. After the changes have been made, press Enter again to stop the cursor flashing.
4. Press F5 to save changes.
5. Pull up Emergency Stop and press desired F Key to return to testing mode.

Press F1 to return to Manual Mode at any time.

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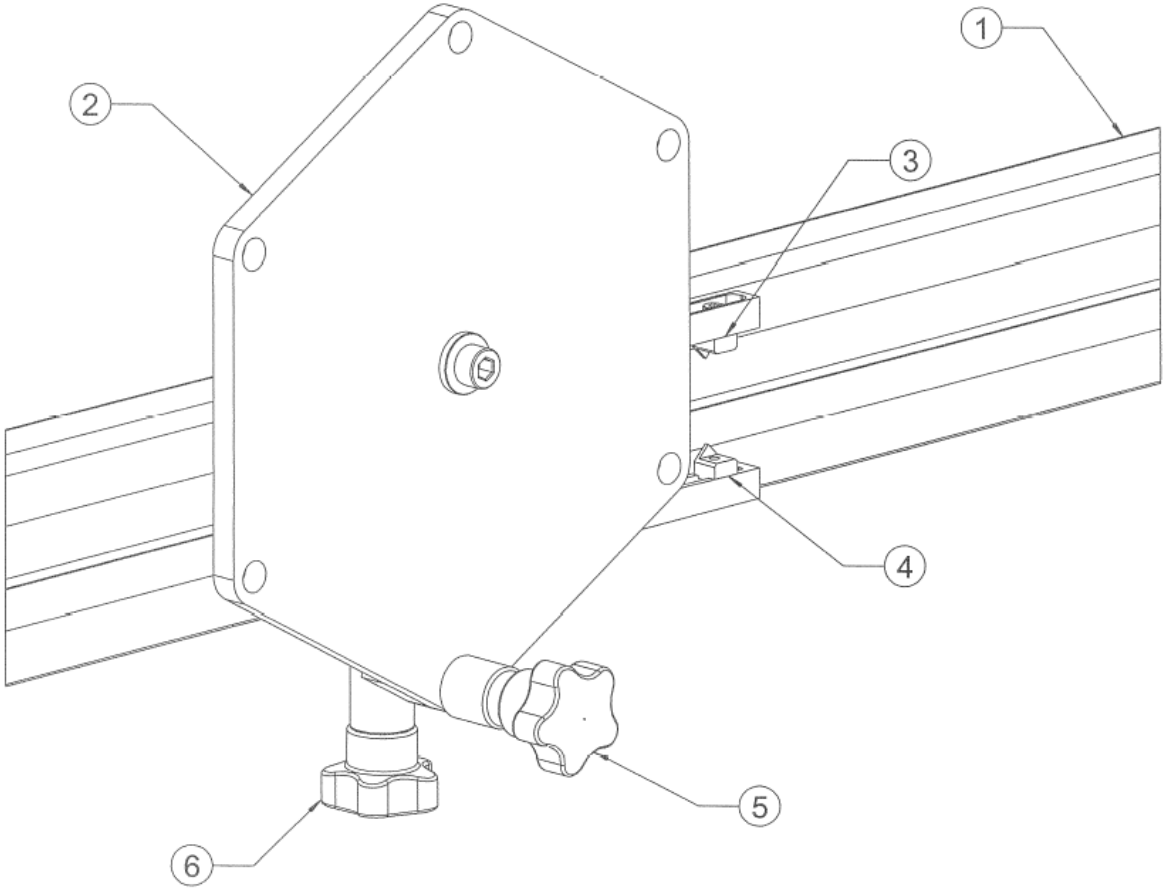
COMPONENTS | INDEXING BRACKET SYSTEM



Indexing Bracket System shown here without blind brackets

1. Hoist Cross Arm
2. Indexing Bracket Plate
3. Top Extension Arm (For measuring from left side).
4. Bottom Extension Arm (For measuring from right side)
5. Auto-Lock Pin
6. Star Knob / Shaft for Horizontal Adjustments

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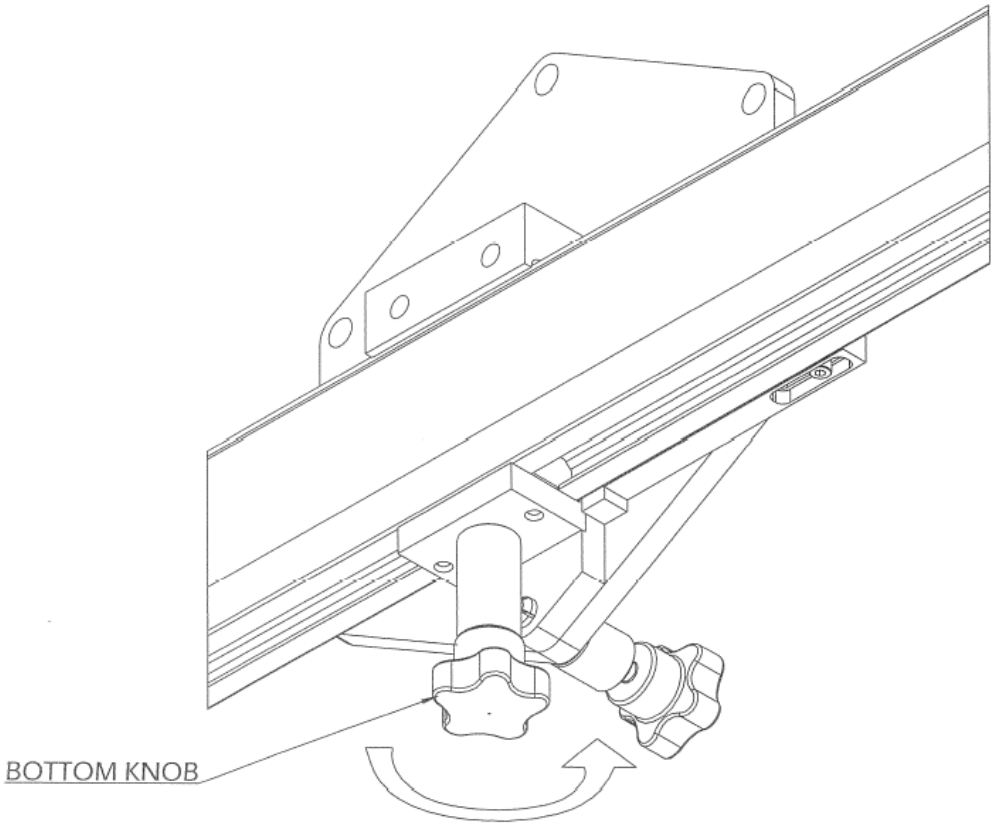
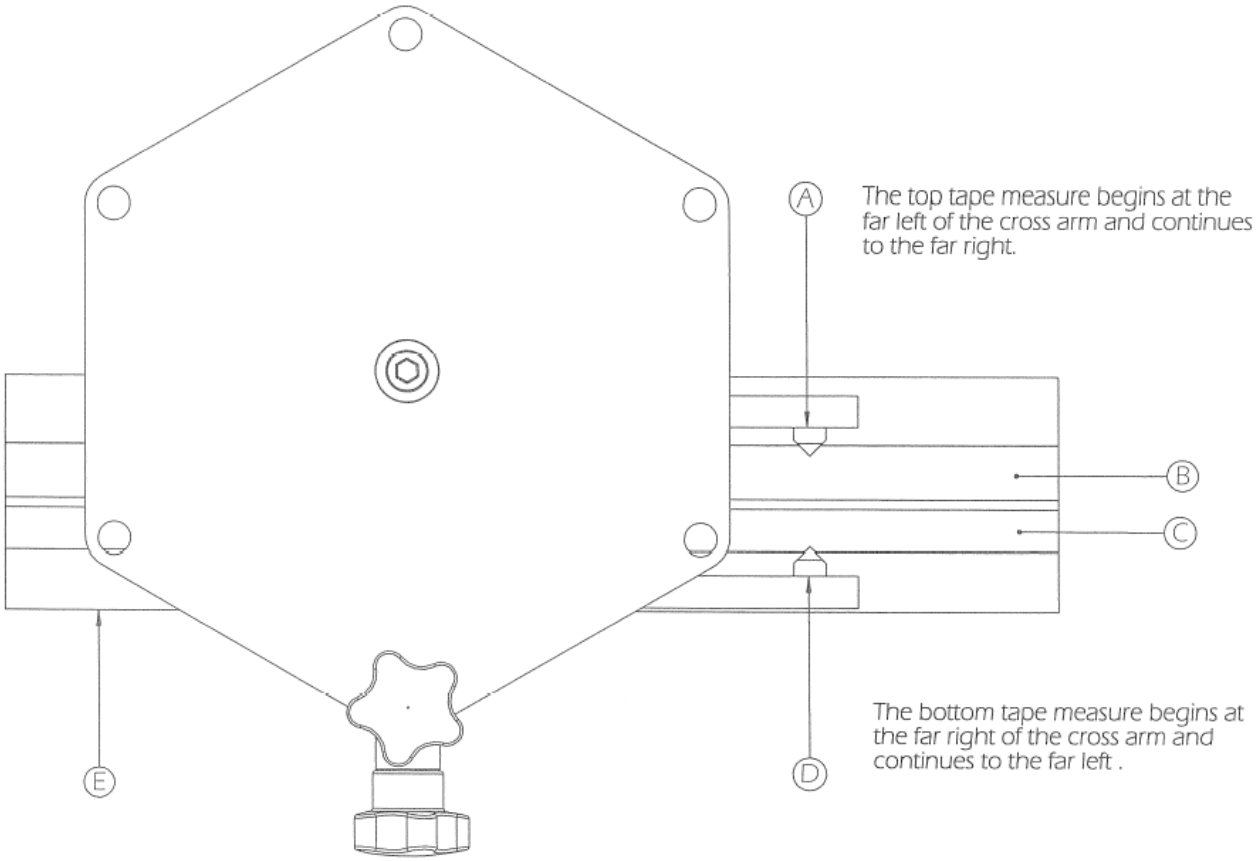


Moving the Indexing Plates

1. First, turn the bottom knob (star knob/ shaft) until loose (normally only 1-2 turns).

2. Now the entire Indexing Plate Assembly can be moved manually to the desired location by simply sliding it on the Cross Arm.

3. Once in position the bottom knob should be tightened firmly to ensure there is no movement during testing.



The top tape measure begins at the far left of the cross arm and continues to the far right.

The bottom tape measure begins at the far right of the cross arm and continues to the far left .

Using the Cross Arm Measuring System

The cross arm measuring system allows you to accurately locate the Indexing Plates on the Cross Arm for the correct bracket distance.

COMPONENTS:

A. Indicator for top measuring tape.

B. Top measuring tape with zero origin at far left of cross arm and extending right.

C. Bottom measuring tape with zero origin at the far right of cross arm and extending left.

D. Indicator for bottom measuring tape.

E. Cross Arm

Max Blind Width - Up to 3.7 metres (for roller blinds)

Max Blind Width - Up to 5.0 metres (for venetian blinds)

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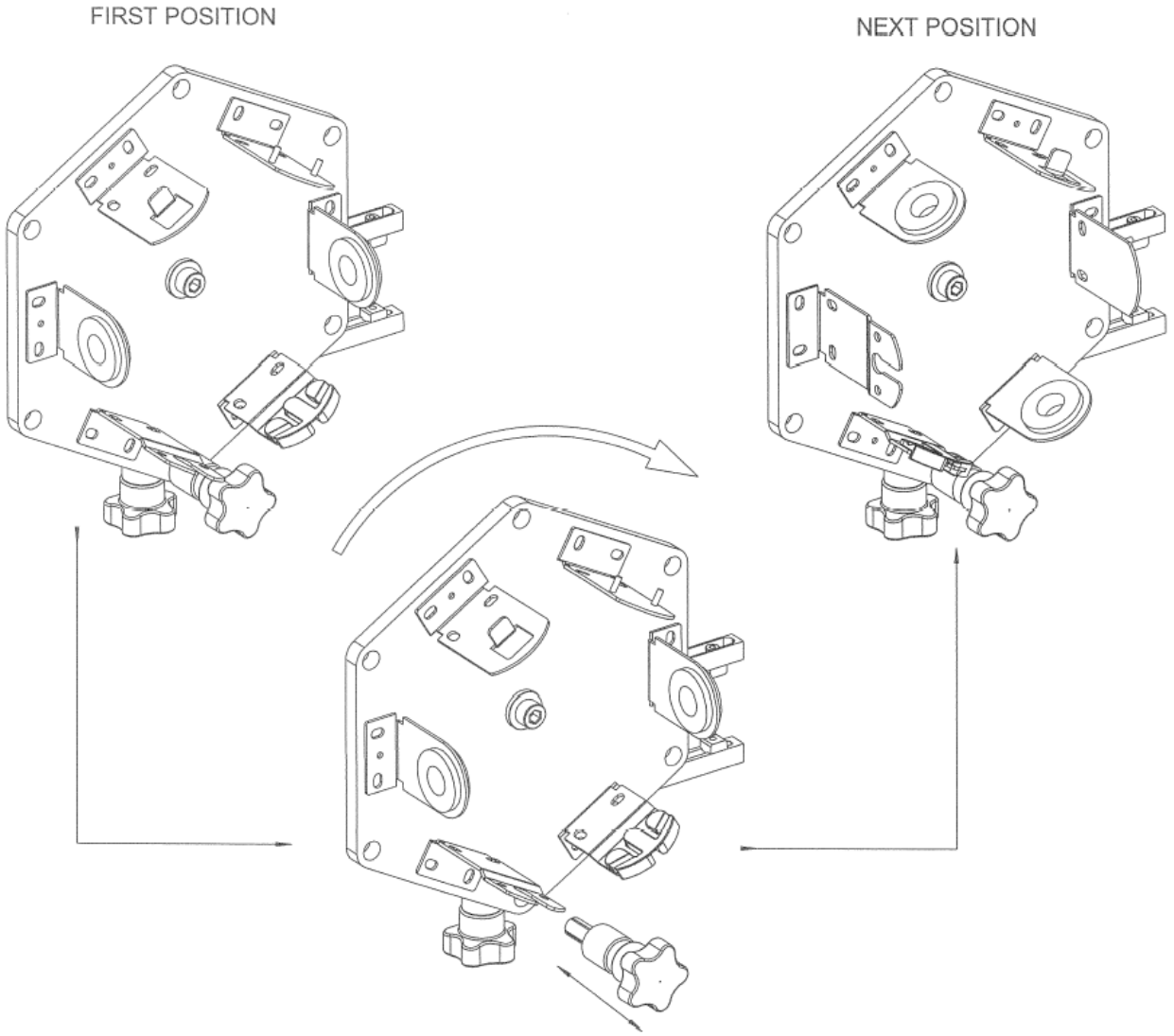

Turning the Indexing Plate

1. First, turn the Auto Locking Pin until loose (normally only one turn).
2. Now the Autolocking pin can be removed and the Indexing Plate turned to the desired position.
3. The Auto Locking Pin can now be returned to position and tightened (just until snug).

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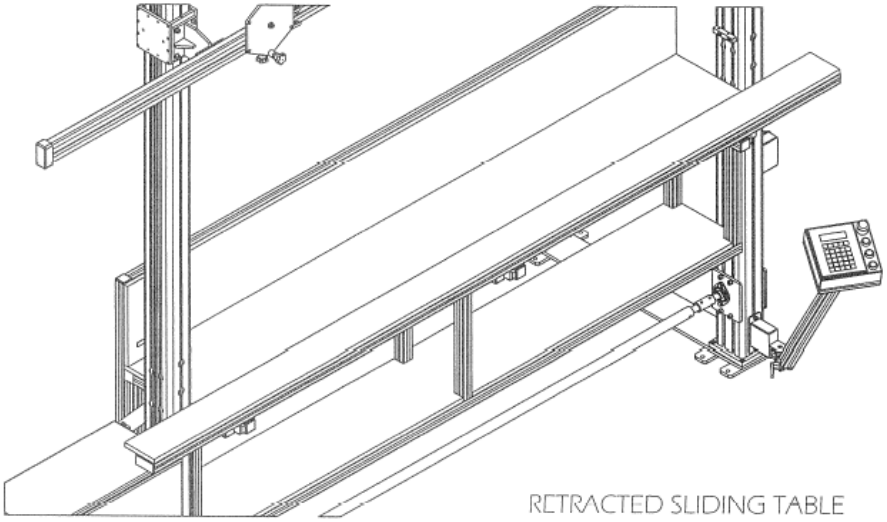
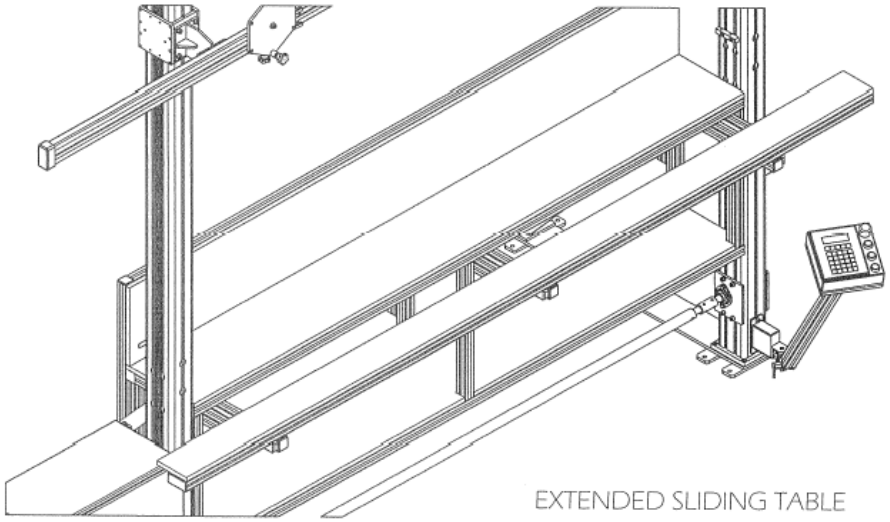


RETRACTED SLIDING TABLE



EXTENDED SLIDING TABLE

Sliding Table Feature

The level of the blinds can be accurately checked by pulling the sliding table to the out position.

The blinds can drop directely to the ground if the table is retracted.

The table is parallel to the cross arm to within 0.5 mm over the 3 meter length of the table.

Height Capacity

Up to 3.8 metre drop to table

Up to 4.8 metre drop to floor

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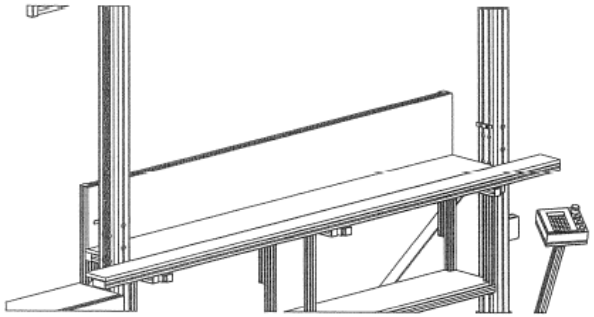
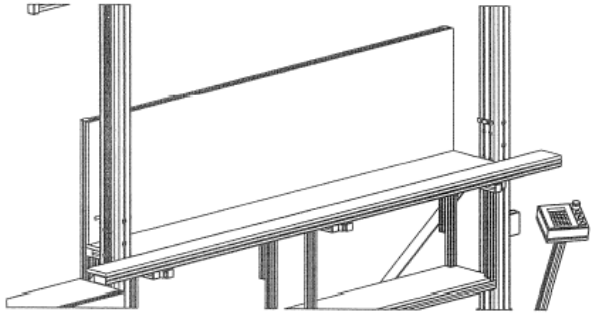
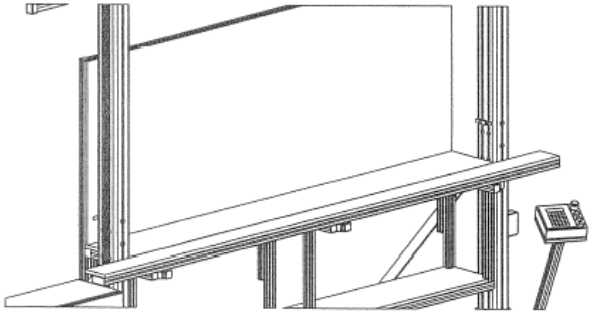


300 MM BACKBOARD



600 MM BACKBOARD



900 MM BACKBOARD

OPTIONAL BACKBOARDS

There are three sizes of optional backboards to suit different testing needs.

300 x 2400 Backboard

600 x 2400 Backboard

900 x 2400 Backboard

Customized Backboards are available up to 2 metres height.

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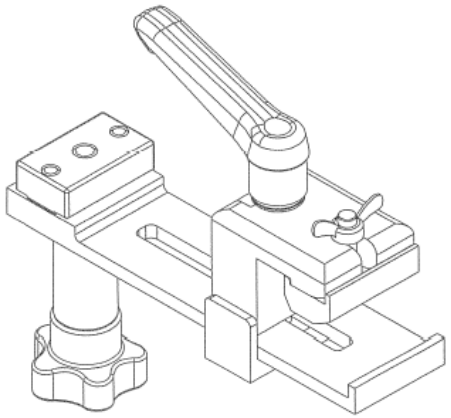
ACCESORY BRACKETS



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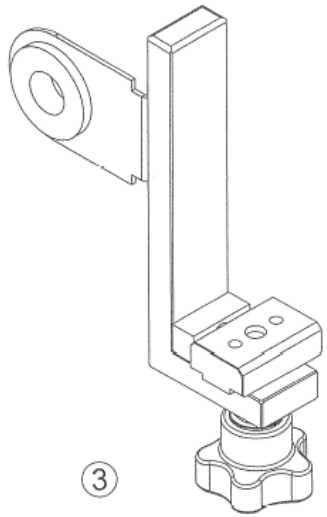

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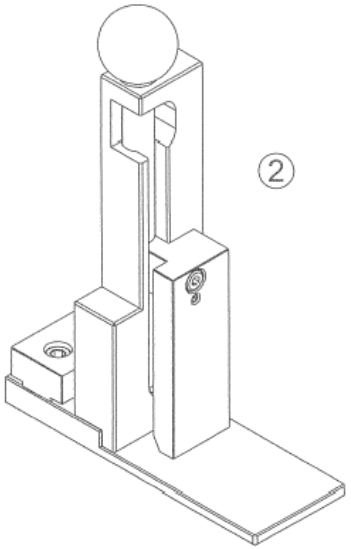
SHOWN WITH SAMPLE BRACKET



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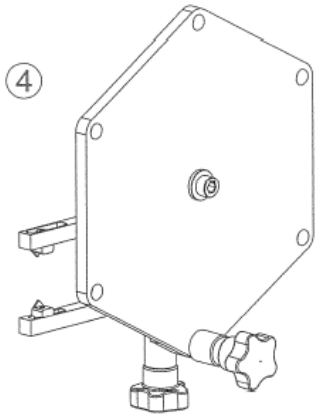

④

1. ROMAN BLIND BRACKETS: FOR USE WITH ROMAN BLIND AND WOVEN TIMBER BLINDS.

2. SAFETY BRACKET: FOR VENETIAN BLINDS

3. INTERMEDIATE BRACKET: FOR ATTACHING EXTRA BRACKETS FOR SUPPORT.

4. INDEXING BRACKET: LEFT AND RIGHT SIDE INDEXING BRACKETS FOR ROLLER BLIND TESTING.

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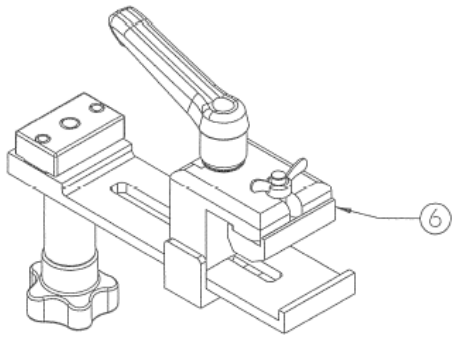


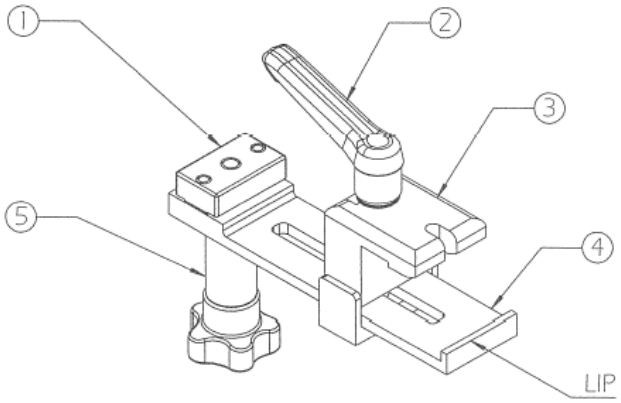
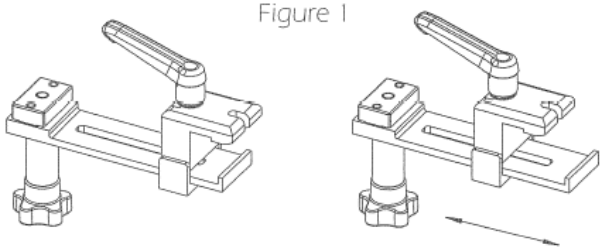
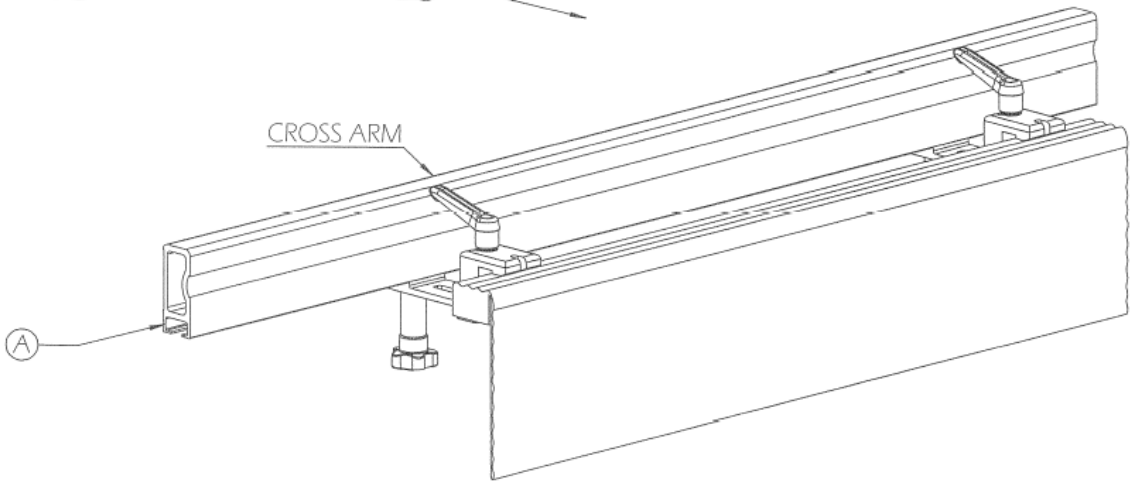


Figure 1





ROMAN BLIND BRACKETS

COMPONENTS

1. CROSS ARM NUT/SLIDER
2. CLAMPING HANDLE
3. CLAMP
4. SUPPORT ARM
5. CROSS ARM LOCKING KNOB
6. CLAMP EXTENSION (CAN BE FITTED FOR SMALLER BLINDS)

ATTACHING THE BRACKETS TO THE CROSS ARM

First remove the Cross Arm end cap and slide the cross arm nut (1) into the bottom groove (A) of the cross arm, making sure that the cross arm locking knob (5) is loose enough to slide easily. Insert as many Brackets as needed.

USING THE BRACKETS

The Clamp (3) can be adjusted to suit blinds of various sizes (Fig 1).

Rest the blinds on the Support Arm (4) and make sure that it is pressed firmly between the Clamp and the Support Arm lip.

Now, simply tighten the Clamping Handle and the blinds are ready to test.

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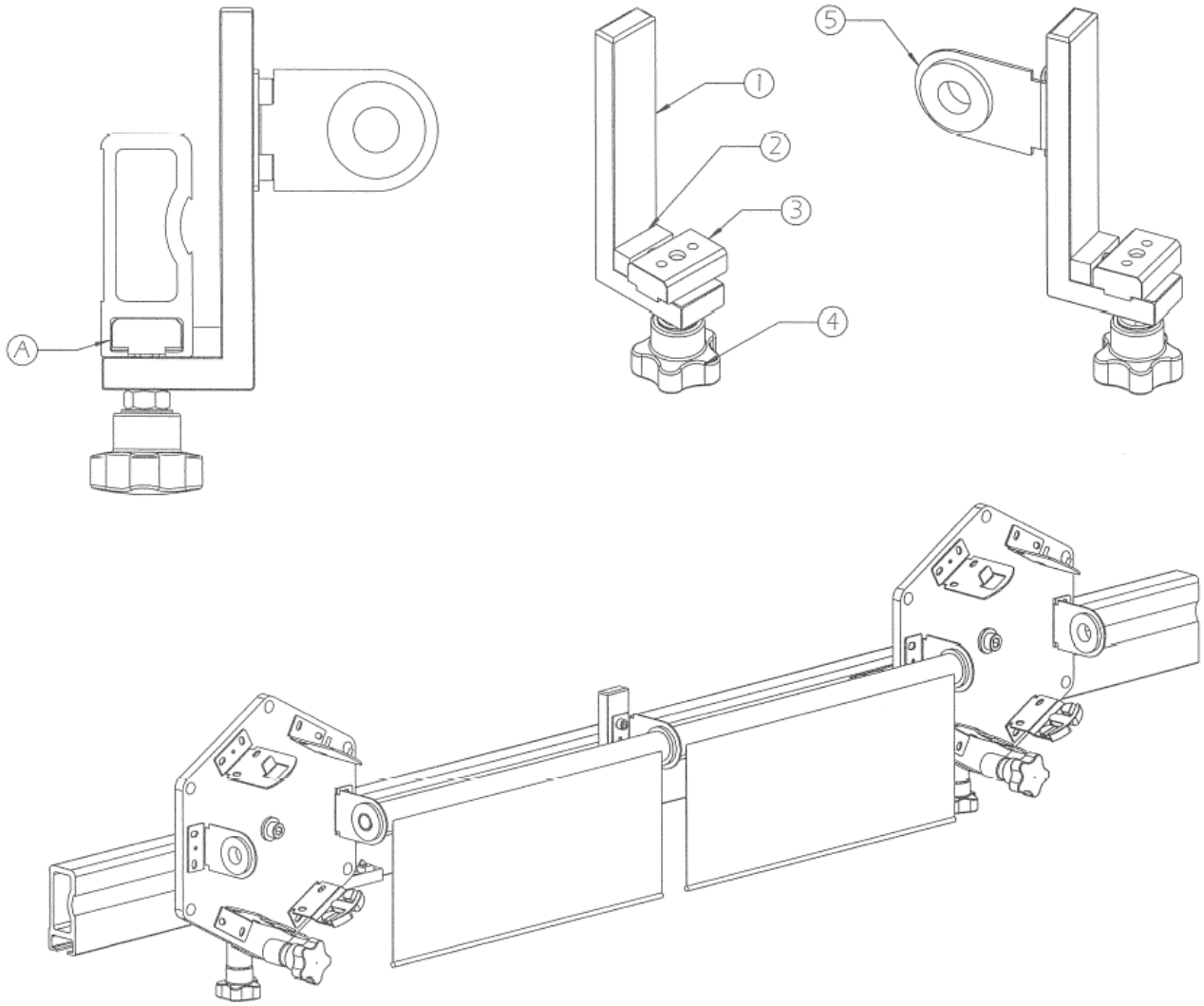


INTERMEDIATE BRACKETS

COMPONENTS

1. BRACKET ARM
2. NYLON SPACER
3. INTERNAL CROSS ARM NUT
4. CROSS ARM LOCKING KNOB
5. BLIND BRACKET (CAN BE ANY TYPE OF MOUNTABLE BRACKET)

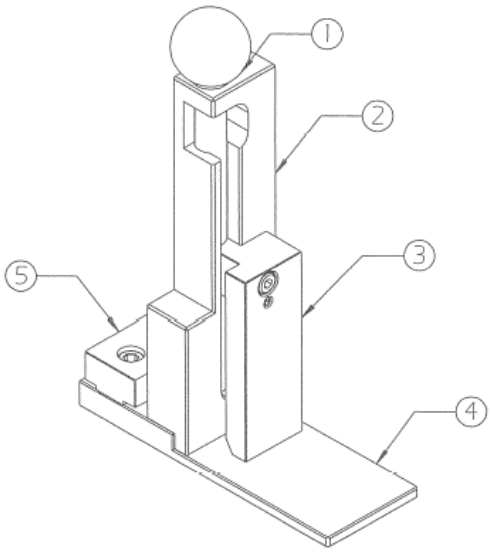
ATTACHING THE BRACKET TO THE CROSS ARM

First remove the Cross Arm end cap and slide the Internal Cross Arm Nut (3) into the bottom groove (A) of the cross arm, making sure that the cross arm locking knob (4) is loose enough to slide easily. Insert as many Brackets as needed.

USING THE BRACKETS

Slide the brackets into the desired locations in sequence and simply tighten the Clamping Handle as you go. The blinds are ready to test..

SAFETY BRACKET FOR VENETIAN BLINDS



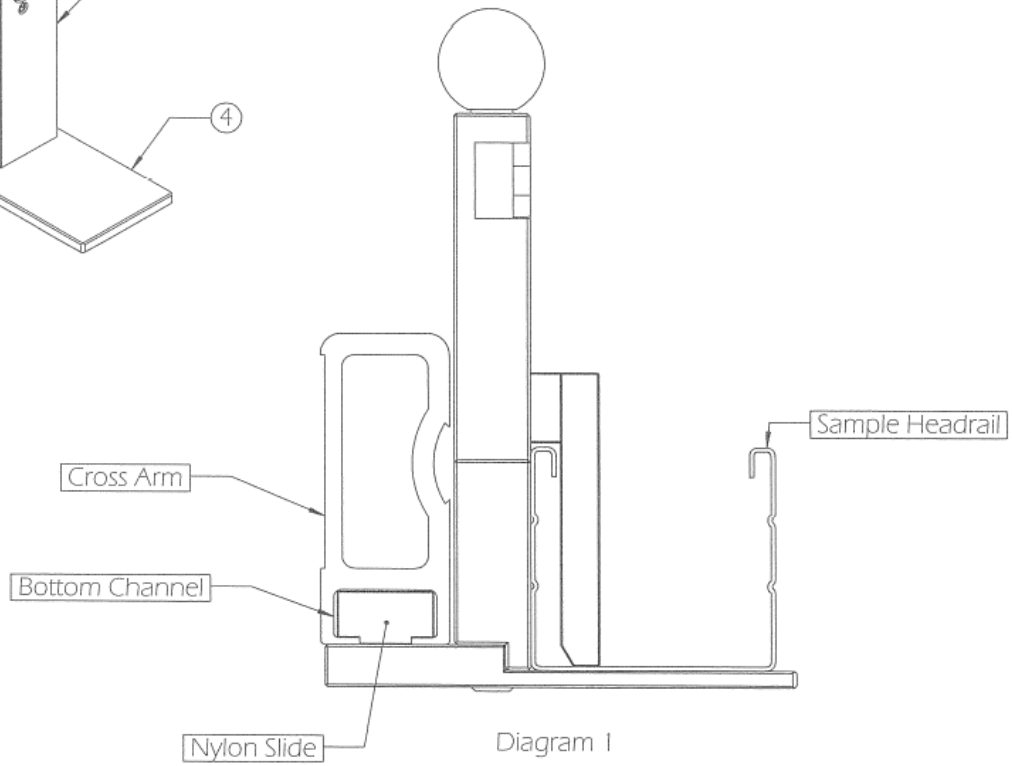


Diagram 1

COMPONENTS

1. Handle
2. Clamp Housing
3. Plastic Holding Finger
4. Headrail Support
5. Nylon Slide

ATTACHING THE SAFETY BRACKET TO THE CROSS ARM

First remove the Cross Arm end cap and then put the Nylon Slide (5) of the Safety Bracket into the bottom channel of the Cross Arm (see Diagram 1).

Simply slide as many Brackets as needed into desired positions.

(Continued on next page)

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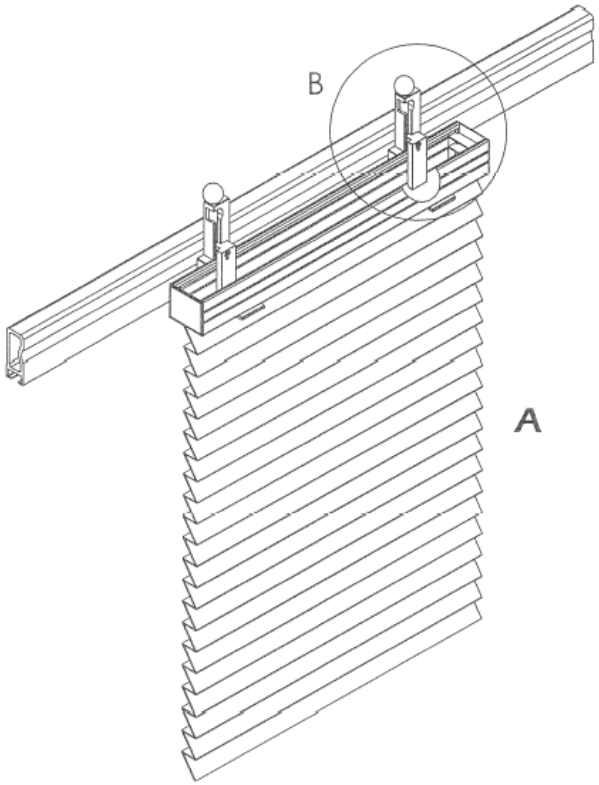
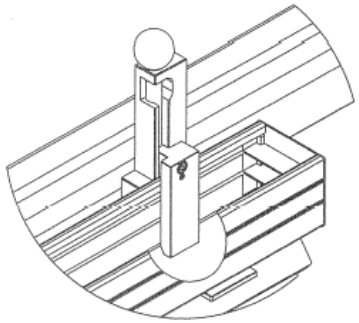
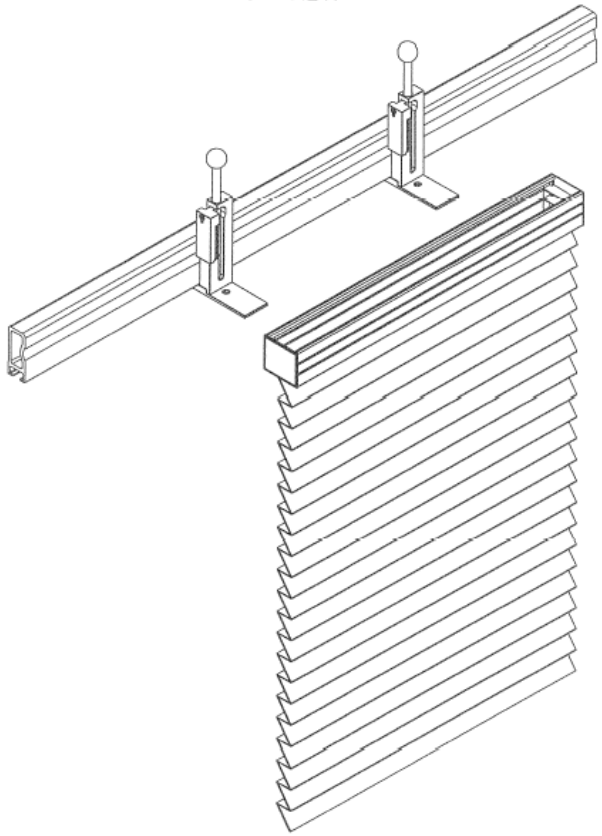




DETAIL B
SCALE 1 : 4

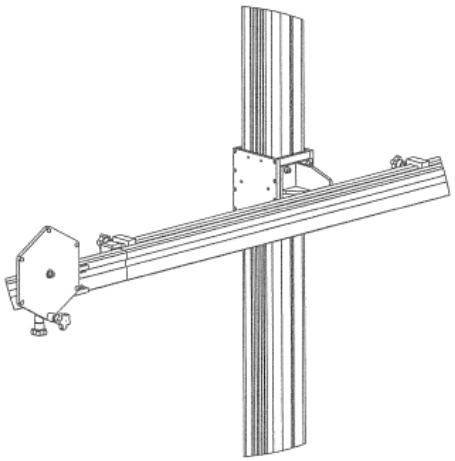
CUT OUT SECTION VIEW

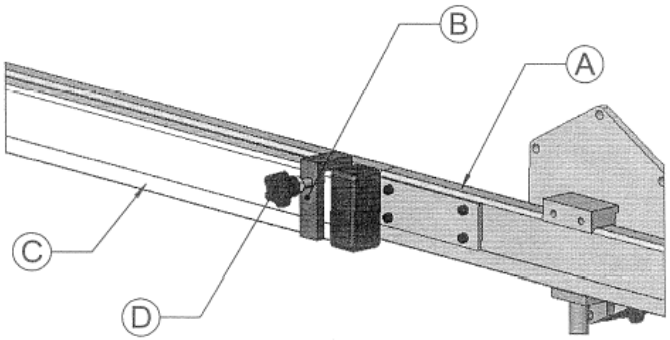


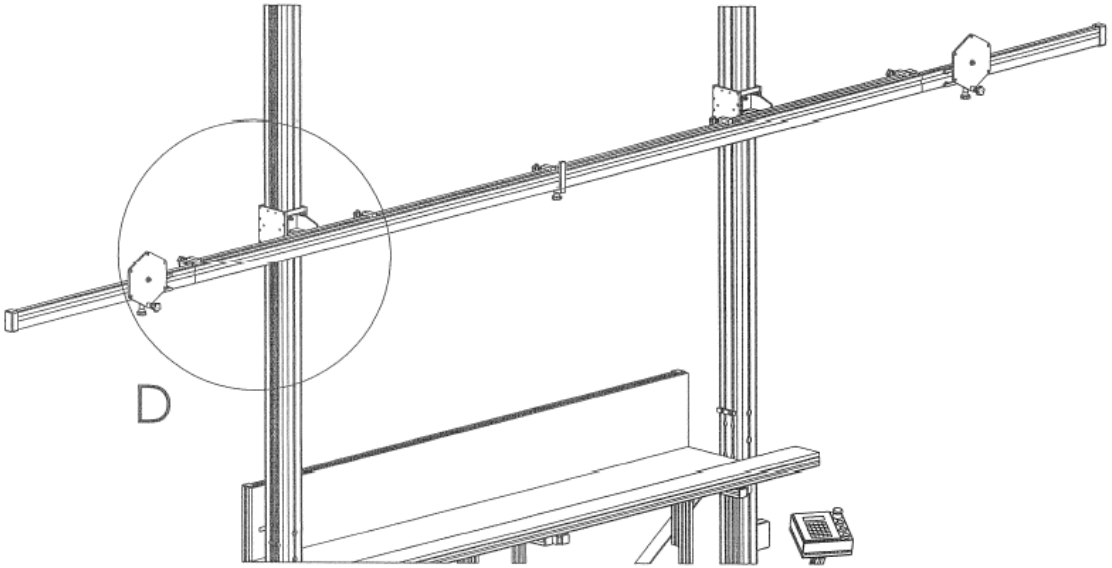
Using the Safety Brackets for Venetian Blinds

1. When the Safety Brackets are in place make sure they are in the opened position.
2. Now the Headrail of the blinds to be tested can be rested on the Safety Bracket Headrail Support
3. The brackets can now be closed and the blinds are ready to be tested.

Acmeda







CROSS ARM EXTENSIONS (OPTIONAL)

5 METRE-Max blind width capacity:
Up to 4.7 metres

6 METRE-Max blind width capacity:
Up to 5.7 metres

The cross arm extensions allow the hoist to accept larger blind widths

The cross arm extension is designed to attach directly on to the standard hoist cross arm. No tools are required and it can be completed in a matter of minutes.

The cross arm extension (A) is fitted with Saddle brackets (B) that fit directly over the top of the standard cross arm (C) and can be secured in place with the knobs at the back (D).

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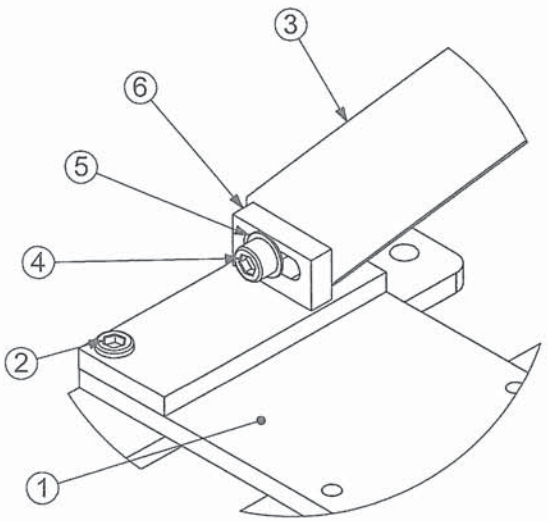
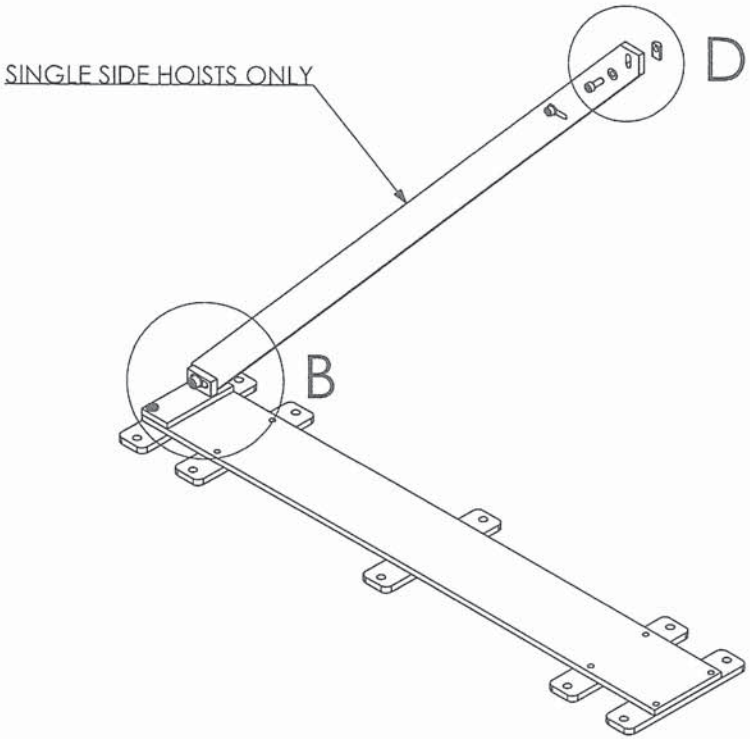
HOIST GENERAL MAINTENANCE GUIDE	DAILY	WEEKLY	MONTHLY	YEARLY	18 MONTH INTERVAL	AS NEEDED
CLEAN THE PILLAR CHANNELS (GROOVES) OF DUST AND DEBRIS WITH SOFT CLOTH		1				
CLEAN WORK AREA AND FLOOR AROUND HOIST AND INSURE THERE ARE NO LOOSE PARTS HANGING FROM THE CROSS ARM OR LAYING ANYWHERE EXCEPT ON THE TABLE.	1					
CHECK THE CROSS ARM LEVEL FOR ACCURACY (PARALLELISM) WITH THE WORK TABLE.			1			
LUBRICATE THE TOP AND BOTTOM SPROCKETS WITH SPRAY LUBRICANT (CRC, WD-40)						√
ACMEDA ENGINEERING - GENERAL MAINTENANCE AND CALIBRATION CHECK PLEASE RING ENGINEERING DEPT. DIRECT TO MAKE BOOKING - 03 9355 0171					1	

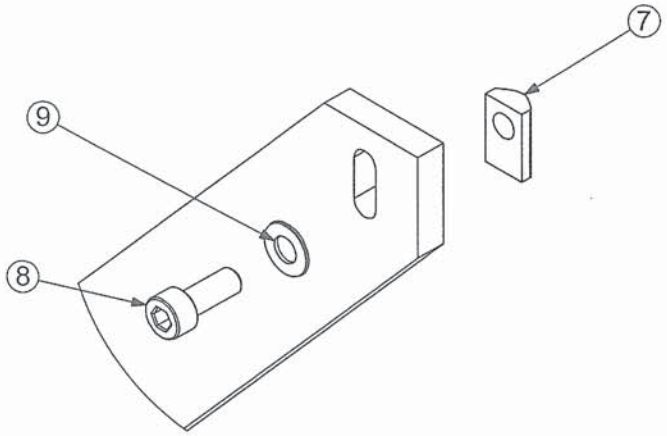
Acmeda

TROUBLESHOOTING GUIDE FOR PRECISION TEST HOIST	
PROBLEM	**POSSIBLE SOLUTIONS**
Cross Arm does not move up and/or down .	►Emergency stop may be pressed. Pull up Emergency Stop to reactivate. ►Cross Arm may need to be reset to zero. Press "F5" and "Start" to recalibrate. ►Wrong mode menu may be activated. The arm will not work manually if F2 or F3 mode is activated. ►Foot pedals could be jammed. Check to make sure there is no debris lodged in the pedals.
Hoist begins to squeak during operation	►Top and bottom Sprockets may need to be lubricated with a wet spray lubricant (CRC, WD-40)



DETAIL B
SCALE 1 : 3





DETAIL D
SCALE 1 : 2

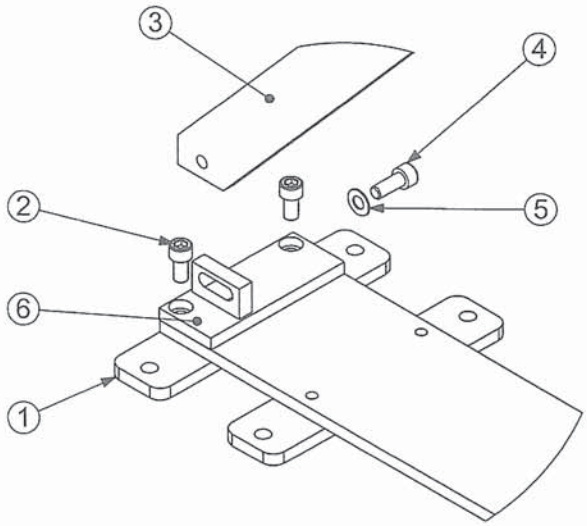
LEFT SIDE

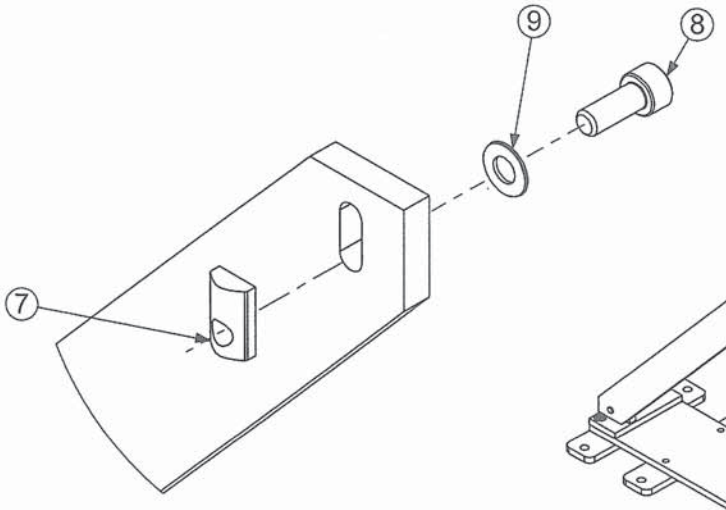
ITEM NO.	PART NUMBER	DESCRIPTION	Left/QTY.
1	TM10-8015-023100	BASE MOUNTING FRAME	1
2	TM92-SHCS-M10020	M10 X 20 SHCS	2
3	TM91-0001-005131	BASE SUPPORT ARM	1
4	TM92-SHCS-M10025	M10 X 25 SHCS	1
5	TM92-FTWS-000M10	M10 FLAT WASHER	1
6	TM10-8015-005013L	SUPPORT BRACKET-LEFT SIDE	1
7	TM93-0000-002618	T-SLOT NUT: M8	2
8	TM92-SHCS-0M8020	M8 X 20 SHCS	2
9	TM92-FTWS-0000M8	M8 FLAT WASHER	2

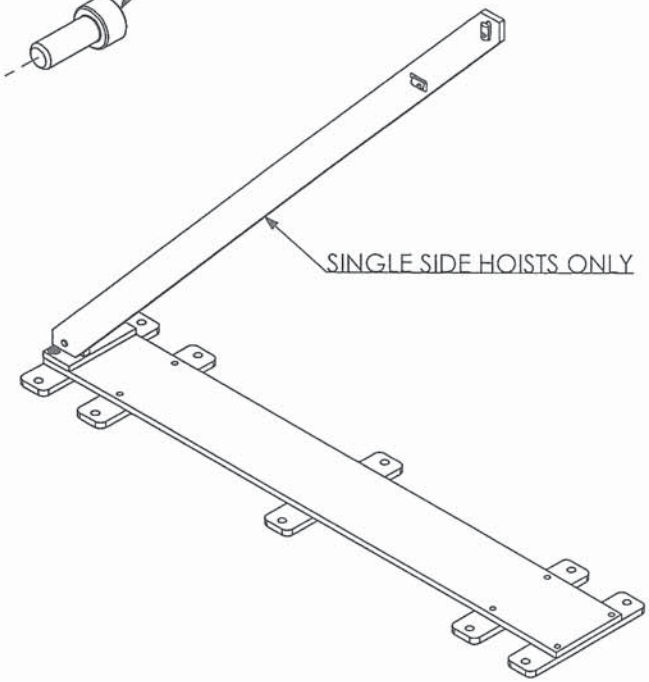
Acmeda

DRAWN BY: JOSEPH TUCKER	TITLE: LEFT PILLAR BASE FRAME ASSEMBLY		
FINISH:		SCALE:	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-005100L-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	12/12/2005	REVISION 1

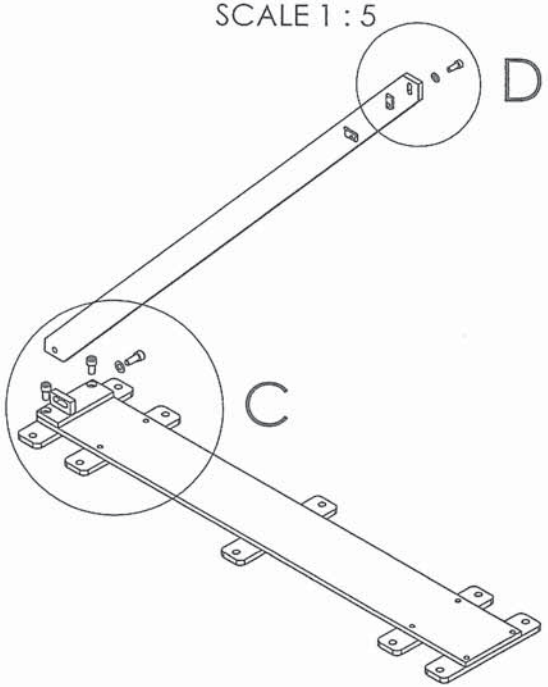
D1







DETAIL C
SCALE 1 : 5



DETAIL D
SCALE 1 : 2

RIGHT SIDE

ITEM NO.	PART NUMBER	DESCRIPTION	Right/QTY.
1	TM10-8015-023100	BASE MOUNTING FRAME	1
2	TM92-SHCS-M10020	M10 X 20 SHCS	2
3	TM91-0001-005131	BASE SUPPORT ARM	1
4	TM92-SHCS-M10025	M10 X 25 SHCS	1
5	TM92-FTWS-000M10	M10 FLAT WASHER	1
6	TM10-8015-005013R	SUPPORT BRACKET-RIGHT SIDE	1
7	TM93-0000-002618	T-SLOT NUT: M8	2
8	TM92-SHCS-0M8020	M8 X 20 SHCS	2
9	TM92-FTWS-0000M8	M8 FLAT WASHER	2

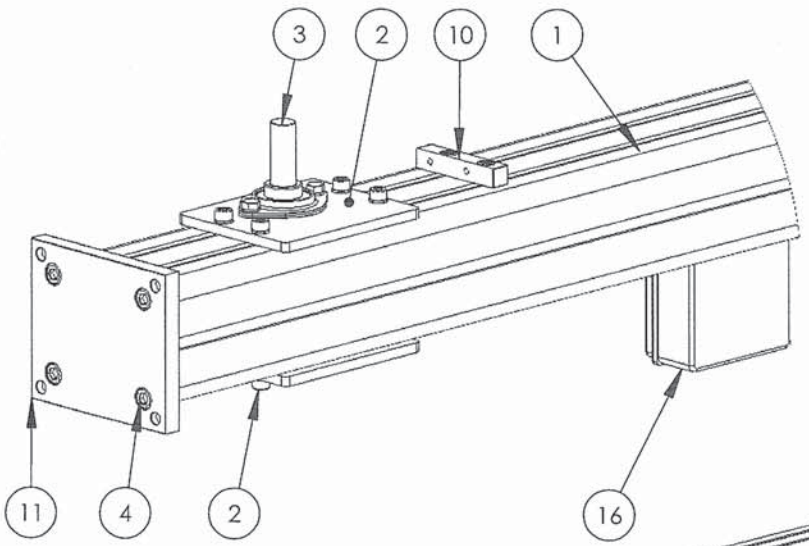
Acmeda

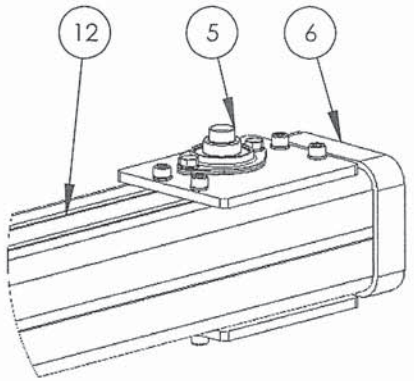
DRAWN BY: JOSEPH TUCKER	TITLE: RIGHT PILLAR BASE FRAME ASSEMBLY		
FINISH:		SCALE:	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-005100R-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	12/12/2005	REVISION 1

D2

REV.	DESCRIPTION	DRAWN	DATE
A	CARRIAGE ASSEMBLY AND SS STRAPS ADDED TO THIS ASSY	J TUCKER	13/08/2007
B	CHAIN LENGTH ADDED AND DESCRIPTION CHANGES	J TUCKER	24/08/2007

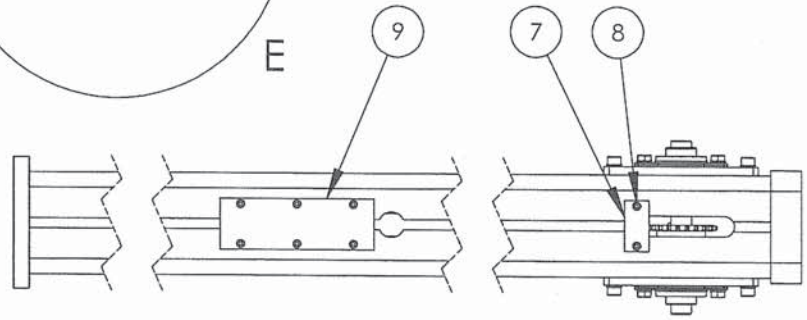
RIGHT SIDE PILLAR





DETAIL D
SCALE 1 : 4

DETAIL E
SCALE 1 : 4



ITEM NO.	PART NUMBER	DESCRIPTION	Standard/QTY.
1	TM91-0010-012500R	RIGHT SIDE PILLAR	1
2	TM10-8015-015204	BEARING MOUNTING PLATE ASS.	4
3	TM10-8015-007021	BOTTOM RIGHT SPROCKET ASSEMBLY	1
4	TM92-SHCS-M10035	M10 X 35 SHCS	4
5	TM10-8015-007017	TOP SPROCKET ASSEMBLY	1
6	TM93-0003-011013	PILLAR TOP CAP-FOAM	1
7	TM93-0001-002005	NYLON CHAIN PAD 15 X 24 X 50	1
8	TM92-SHCS-0M4016	M4 X 16 SHCS	8
9	TM93-0001-005015	NYLON CHAIN PAD 15 X 50 X 150	1
10	TM10-8015-008001	TABLE SUPPORT ASSEMBLY	2
11	TM91-0002-012014	EXTRUSION MOUNTING ADAPTOR PLATE	1
12	TM10-8015-004300	4.3M HOIST CHANNEL STRAP ASSEMBLY	4
13	TM10-8015-012015R	CARRIAGE ASSEMBLY-RIGHT PILLAR	1
14	TM93-3800-000006	3/8 SIMPLEX CHAIN - 06B1	31
15	TM93-8015-800019	TAPE MEASURE 19MM X 8M	1
16	TM93-0005-011011R	TAPE MEASURE BOX-RH PILLAR	1

Ⓑ

Acmeda

DRAWING INFORMATION:		DATE:	SIGN:
DRAWN:	J. TUCKER	6/09/2007	
CHECKED:			
APPROVED:			
SAMPLE:			
SAMPLE:			
SAMPLE:			

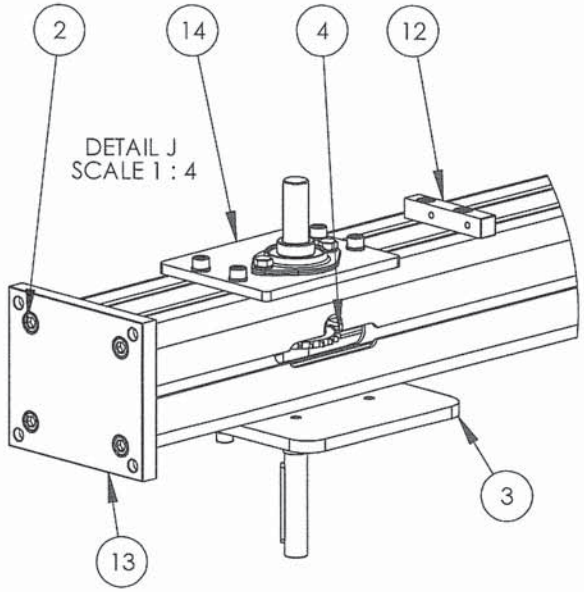
NOTES:

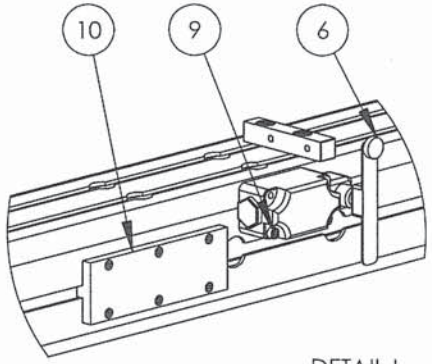
TITLE: **RIGHT SIDE PILLAR ASSEMBLY**
PART NUMBER: **TM10-8015-000002**
DRAWING NUMBER: **TM10-8015-000002-1** SIZE: A3
MATERIAL:
FINISH: DO NOT SCALE DRAWING
WEIGHT: SCALE:1:50
 ALL DIMENSIONS IN MILLIMETERS DRAWING 1 OF 1
TOLERANCE: X.X ±0.1, X.XX ±0.05, X.XXX ±0.005
REVISION 1

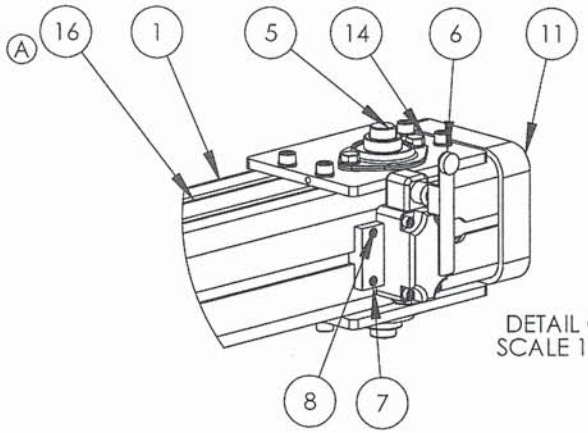
D3

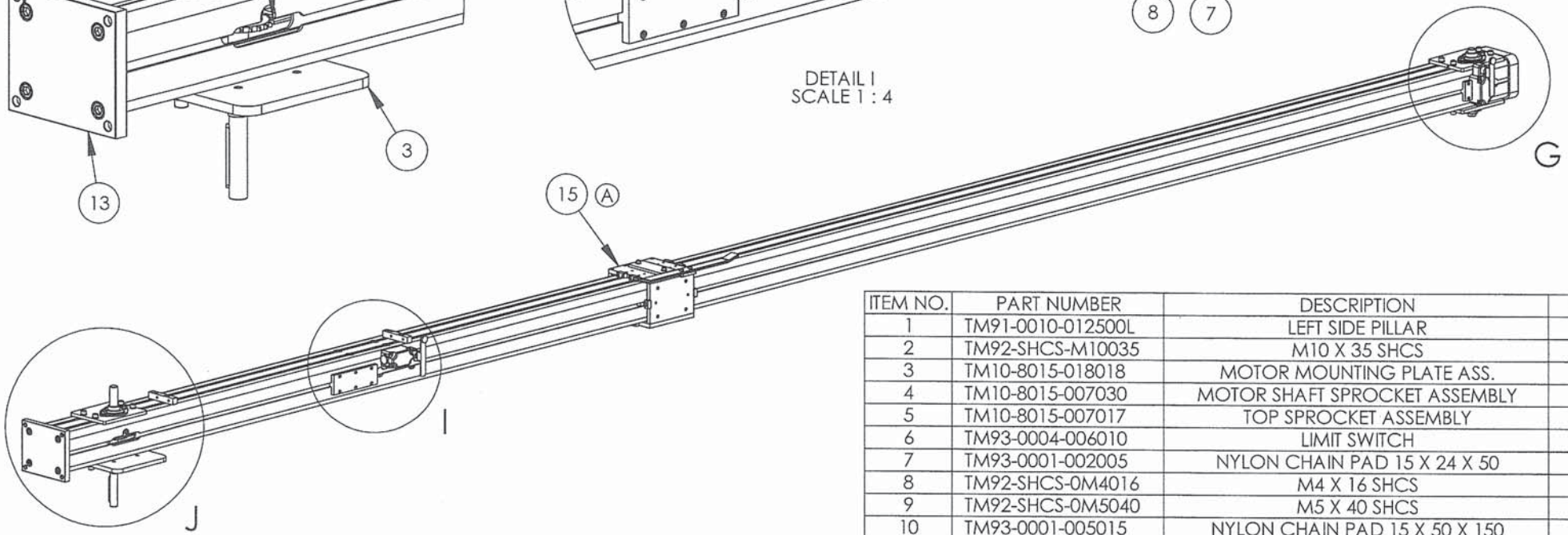
REV.	DESCRIPTION	DRAWN	DATE
A	CARRIAGE ASSEMBLY AND SS STRAPS ADDED TO THIS ASSY	J TUCKER	13/08/2007
B	CHAIN LENGTH ADDED AND DESCRIPTION CHANGES	J TUCKER	24/08/2007

LEFT SIDE PILLAR









ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM91-0010-012500L	LEFT SIDE PILLAR	1
2	TM92-SHCS-M10035	M10 X 35 SHCS	4
3	TM10-8015-018018	MOTOR MOUNTING PLATE ASS.	1
4	TM10-8015-007030	MOTOR SHAFT SPROCKET ASSEMBLY	1
5	TM10-8015-007017	TOP SPROCKET ASSEMBLY	1
6	TM93-0004-006010	LIMIT SWITCH	2
7	TM93-0001-002005	NYLON CHAIN PAD 15 X 24 X 50	1
8	TM92-SHCS-0M4016	M4 X 16 SHCS	8
9	TM92-SHCS-0M5040	M5 X 40 SHCS	6
10	TM93-0001-005015	NYLON CHAIN PAD 15 X 50 X 150	1
11	TM93-0003-011013	PILLAR TOP CAP-FOAM	1
12	TM10-8015-008001	TABLE SUPPORT ASSEMBLY	2
13	TM91-0002-012014	EXTRUSION MOUNTING ADAPTOR PLATE	1
14	TM10-8015-015204	BEARING MOUNTING PLATE ASS.	3
15	TM10-8015-012015L	CARRIAGE ASSEMBLY-LEFT PILLAR	1
16	TM10-8015-004300	4.3M HOIST CHANNEL STRAP ASSEMBLY	4
17	TM93-3800-000006	3/8 SIMPLEX CHAIN - 06B1	31

B

Acmeda

DRAWING INFORMATION:		DATE:	SIGN:
DRAWN:	J. TUCKER	28/08/2007	
CHECKED:			
APPROVED:			
SAMPLE:			
SAMPLE:			
SAMPLE:			

NOTES:

TITLE: **LEFT SIDE PILLAR ASSEMBLY**

PART NUMBER: **TM10-8015-000001**

DRAWING NUMBER: **TM10-8015-000001-1** SIZE: A3

MATERIAL:

FINISH: DO NOT SCALE DRAWING

WEIGHT: SCALE:1:50

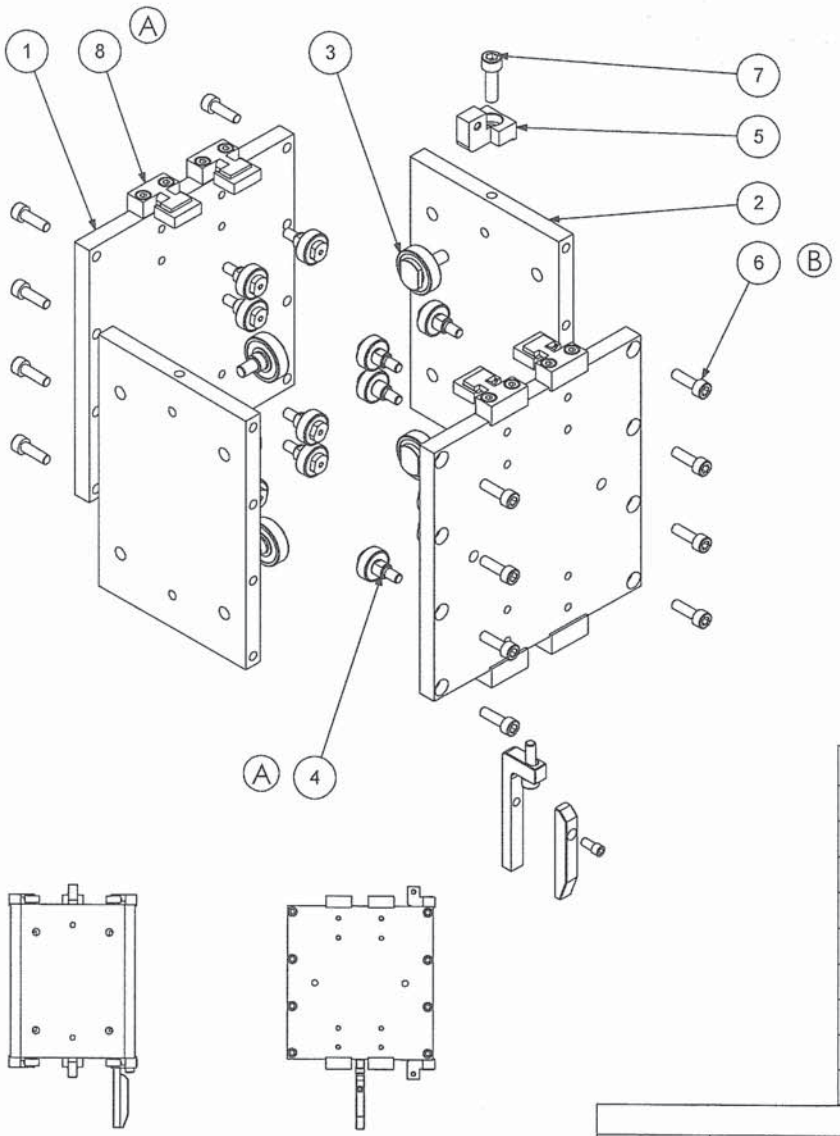
 ALL DIMENSIONS IN MILLIMETERS DRAWING 1 OF 1

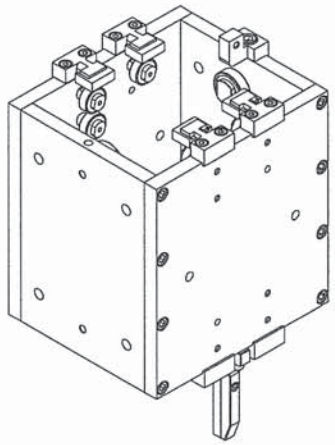
TOLERANCE: X.X ±0.1, X.XX ±0.05, X.XXX ±0.005

REVISION 1

D4

REV.	DESCRIPTION	DRAWN	DATE
A	NEW FELT CLEANER ADDED, AND 4 EXTRA SIDE CARRIAGE BEARING ASSEMBLIES ADDED	J TUCKER	14/08/2007
B	M5 X 20 SHCS REPLACED WITH M5 X 16 SHCS	J TUCKER	14/08/2007





ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM91-0001-014015	SIDE CARRIAGE PLATE	2
2	TM91-0001-010015	FRONT CARRIAGE PLATE	2
3	TM10-8015-002609	BEARING SUBASSEMBLY FOR FRONT CARRIAGE PLATE	4
4	TM10-8015-002606	BEARING SUBASSEMBLY FOR SIDE CARRIAGE PLATE	12
5	TM91-0002-002003	CHAIN CONNECTOR FOR CARRIAGE	2
6	TM92-SHCS-0M5016	M5 X 16 SHCS	16
7	TM92-SHCS-0M6020	M6 X 20 SHCS	2
8	TM10-9014-011025	FELT CHANNEL CLEANER ASSEMBLY	8
9	TM10-8015-002006	TAPE MEASURE CLAMP/FINGER ASS.	1

		DATE:
DRAWN:	J TUCKER	13/12/05
CHECKED:		
APPROVED:		
SAMPLE:		
DIE NO:		

Acmeda

TITLE: **CARRIAGE ASSEMBLY-RIGHT PILLAR**

PART NUMBER: **TM10-8015-012015R**

DRAWING NUMBER: **TM10-8015-012015R-1**

MATERIAL:

FINISH:

COLOUR:

UNSPECIFIED RADIUS: 0.5mm

WEIGHT:

DO NOT SCALE

SCALE:1:5

SIZE: A3

DWG 1 OF 1

REV. B

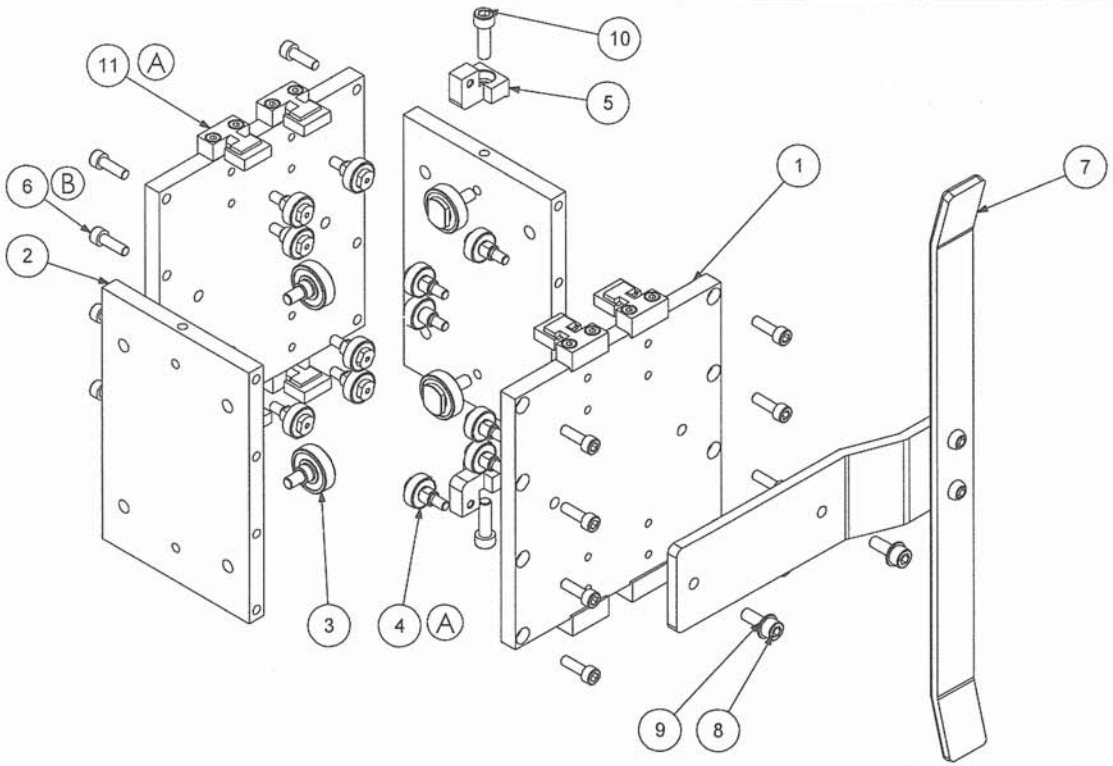
TOLERANCE:
0 < 20 ± 0.10
20 < 40 ± 0.20
40 < 100 ± 0.30
(UNLESS OTHERWISE SPECIFIED)

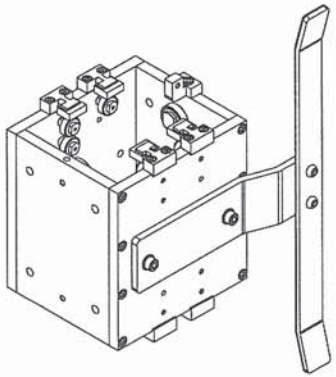
DIMENSIONS IN MILLIMETERS

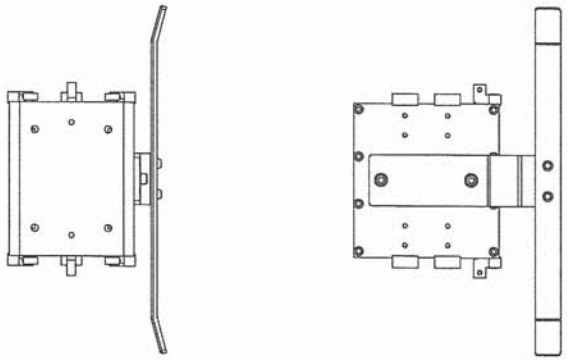
N:\PROJECTS\HOISTS\HOIST 8015 FILES- 2005\ALL DRAWING FILES\Pillar, Chain Drive & Carriage Assembly\TM10-8015-012015- Carriage Assembly\FINAL ASSEMBLY\

D5

REV.	DESCRIPTION	DRAWN	DATE
A	NEW FELT CLEANER ADDED, AND 4 EXTRA SIDE CARRIAGE BEARING ASSEMBLIES ADDED	J TUCKER	14/08/2007
B	M5 X 20 SHCS REPLACED WITH M5 X 16 SHCS	J TUCKER	14/08/2007







ITEM NO.	PART NUMBER	DESCRIPTION	/QTY.
1	TM91-0001-014015	SIDE CARRIAGE PLATE	2
2	TM91-0001-010015	FRONT CARRIAGE PLATE	2
3	TM10-8015-002609	BEARING SUBASSEMBLY FOR FRONT CARRIAGE PLATE	4
4	TM10-8015-002606	BEARING SUBASSEMBLY FOR SIDE CARRIAGE PLATE	12
5	TM91-0002-002003	CHAIN CONNECTOR FOR CARRIAGE	2
6	TM92-SHCS-0M5016	M5 X 16 SHCS	16
7	TM10-8015-019034	TRIP SWITCH BRACKET	1
8	TM92-SHCS-0M6016	M6 X 16 SHCS	2
9	TM92-FTWS-0000M6	M6 FLAT WASHER	2
10	TM92-SHCS-0M6020	M6 X 20 SHCS	2
11	TM10-9014-011025	FELT CHANNEL CLEANER ASSEMBLY	8

		DATE:
DRAWN:	J TUCKER	14/12/05
CHECKED:		
APPROVED:		
SAMPLE:		
DIE NO:		

Acmeda

TITLE: **CARRIAGE ASSEMBLY-LEFT PILLAR**

PART NUMBER: **TM10-8015-012015L**

DRAWING NUMBER: **TM10-8015-012015L-1**

MATERIAL:

FINISH:

COLOUR:

UNSPECIFIED RADIUS: 0.5mm

WEIGHT:

DO NOT SCALE

SCALE:1:10

SIZE: A3

DIMENSIONS IN MILLIMETERS

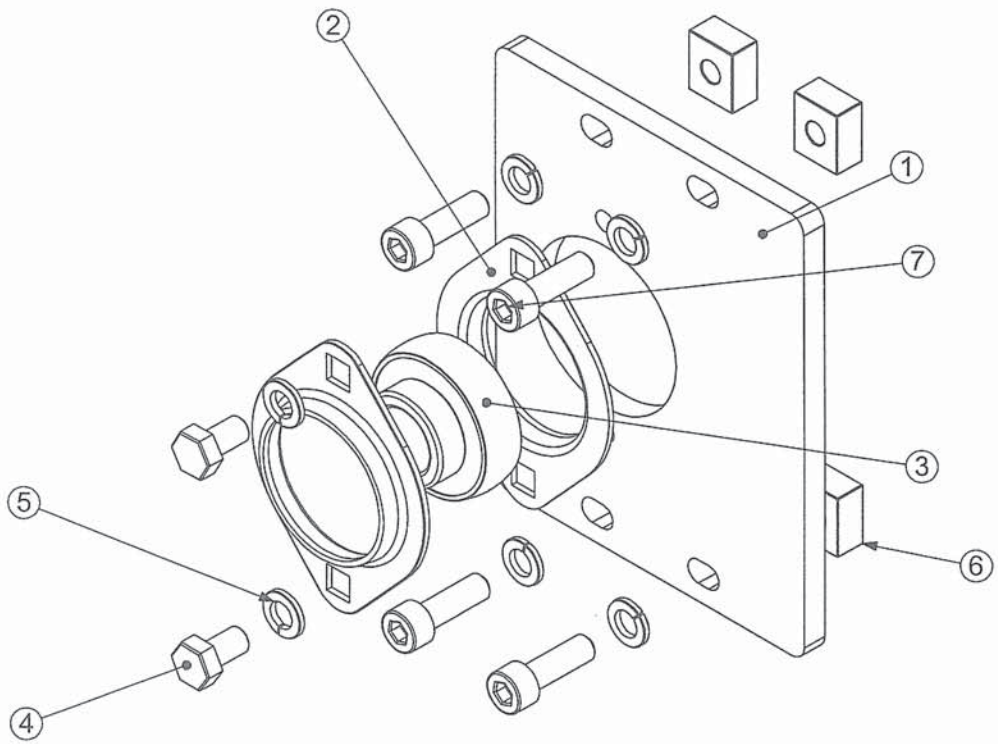
DWG 1 OF 1

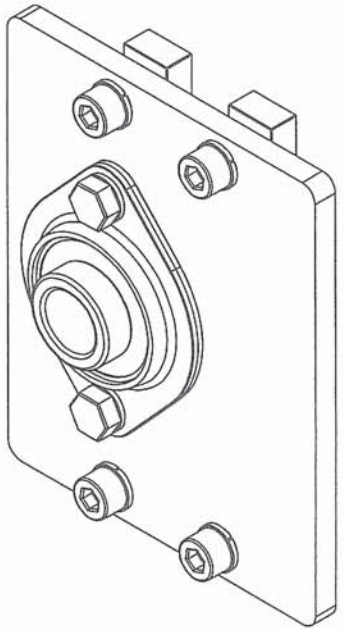
REV. B

TOLERANCE:
0 < 20 ± 0.10
20 < 40 ± 0.20
40 < 100 ± 0.30
(UNLESS OTHERWISE SPECIFIED)

N:\PROJECTS\HOISTS\HOIST 8015 FILES- 2005\ALL DRAWING FILES\Pillar, Chain Drive & Carriage Assembly\TM10-8015-012015- Carriage Assembly\FINAL ASSEMBLY\

D6



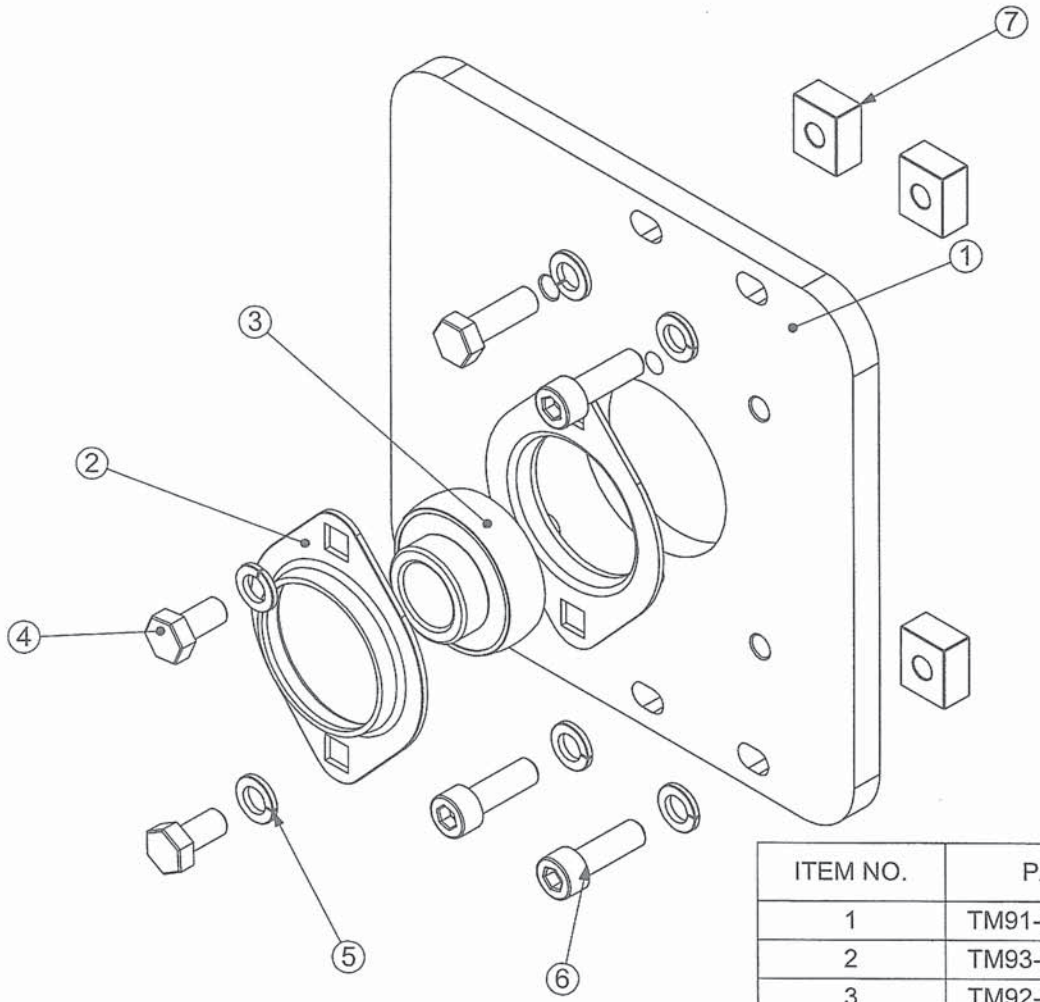


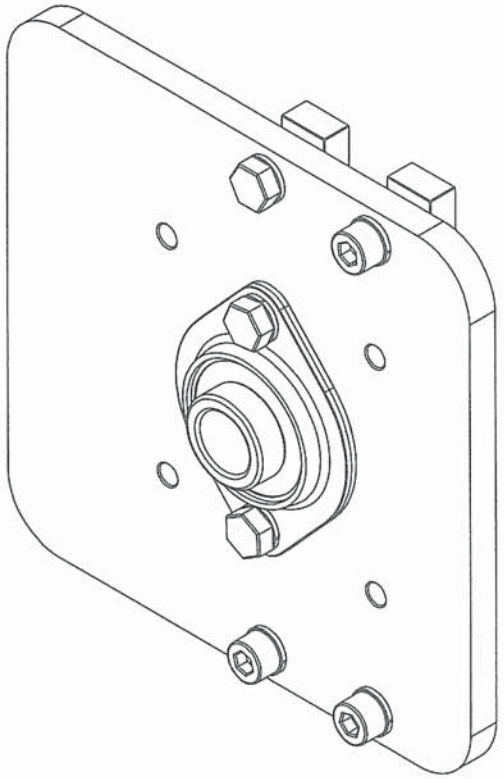
ITEM NO.	PART NUMBER	DESCRIPTION	LeftSide/QTY.
1	TM91-0001-012015	BEARING MOUNTING PLATE	1
2	TM93-0000-PLF204	BEARING FLANGE SET	1
3	TM92-BRG0-000204	204 BEARING	1
4	TM92-HXHD-0M8014	M8 X 14 HEX HEAD BOLT (MACHINED)	2
5	TM92-SPWS-0000M8	M8 SPRING WASHER	6
6	TM91-0001-001002	PILLAR CHANNEL NUT	4
7	TM92-SHCS-0M8025	M8 X 25 SHCS	4

Acmeda

DRAWN BY: JOSEPH TUCKER	TITLE: BEARING MOUNTING PLATE ASSEMBLY-LEFT		
FINISH:		SCALE:1:5	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-015204-1 LEFT		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	22/11/2005	REVISION 1

D7





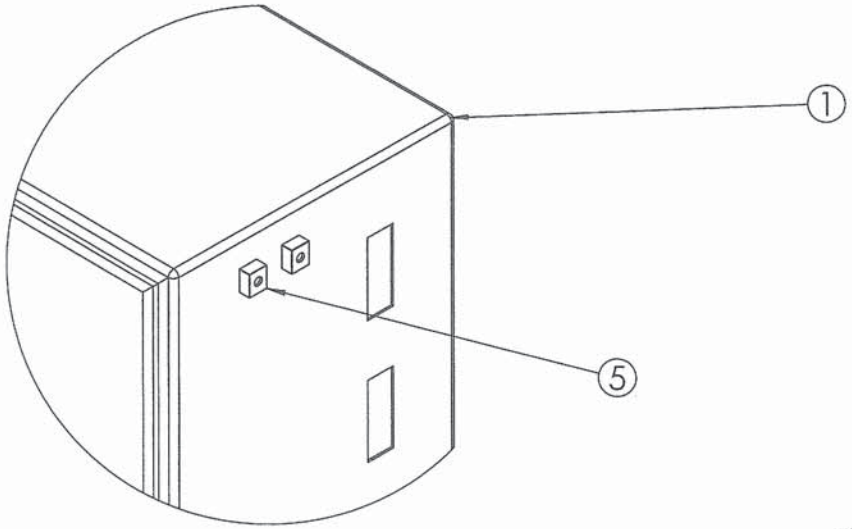
ITEM NO.	PART NUMBER	DESCRIPTION	Default/Q TY.
1	TM91-0001-018018	MOTOR MOUNTING PLATE	1
2	TM93-0000-PLF204	BEARING FLANGE SET	1
3	TM92-BRG0-000204	204 BEARING	1
4	TM92-HXHD-0M8016	M8 X 16 HEX BOLT	2
5	TM92-SPWS-0000M8	M8 SPRING WASHER	6
6	TM92-SHCS-0M8025	M8 X 25 SHCS	3
7	TM91-0001-001002	PILLAR CHANNEL NUT	4
8	TM92-HXHD-0M8025	M8 25 HEX BOLT	1

Acmeda

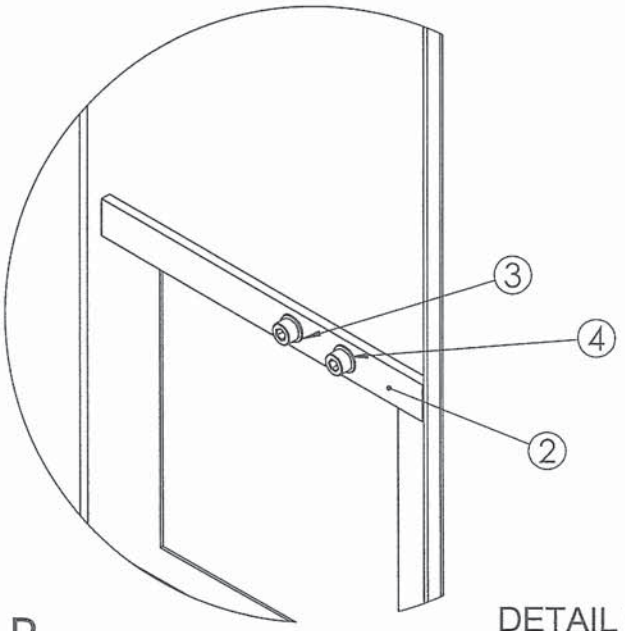
DRAWN BY: JOSEPH TUCKER	TITLE: MOTOR MOUNTING PLATE ASSEMBLY		
FINISH:		SCALE:1:5	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-018018-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	23/11/2005	REVISION 1

D8

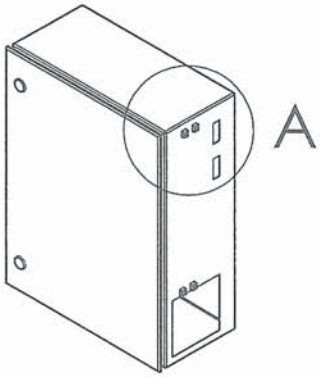
A4

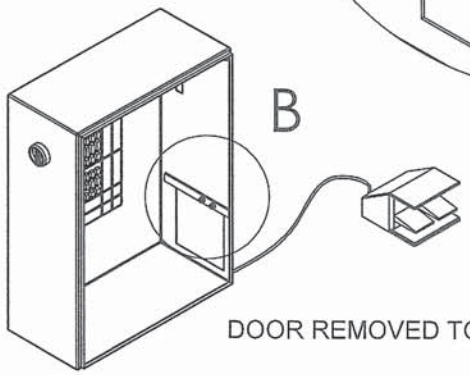


DETAIL A
SCALE 1 : 5

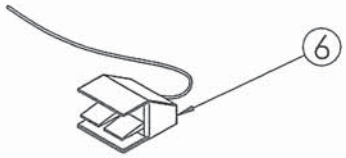


DETAIL B
SCALE 1 : 4





DOOR REMOVED TO SHOW DETAIL

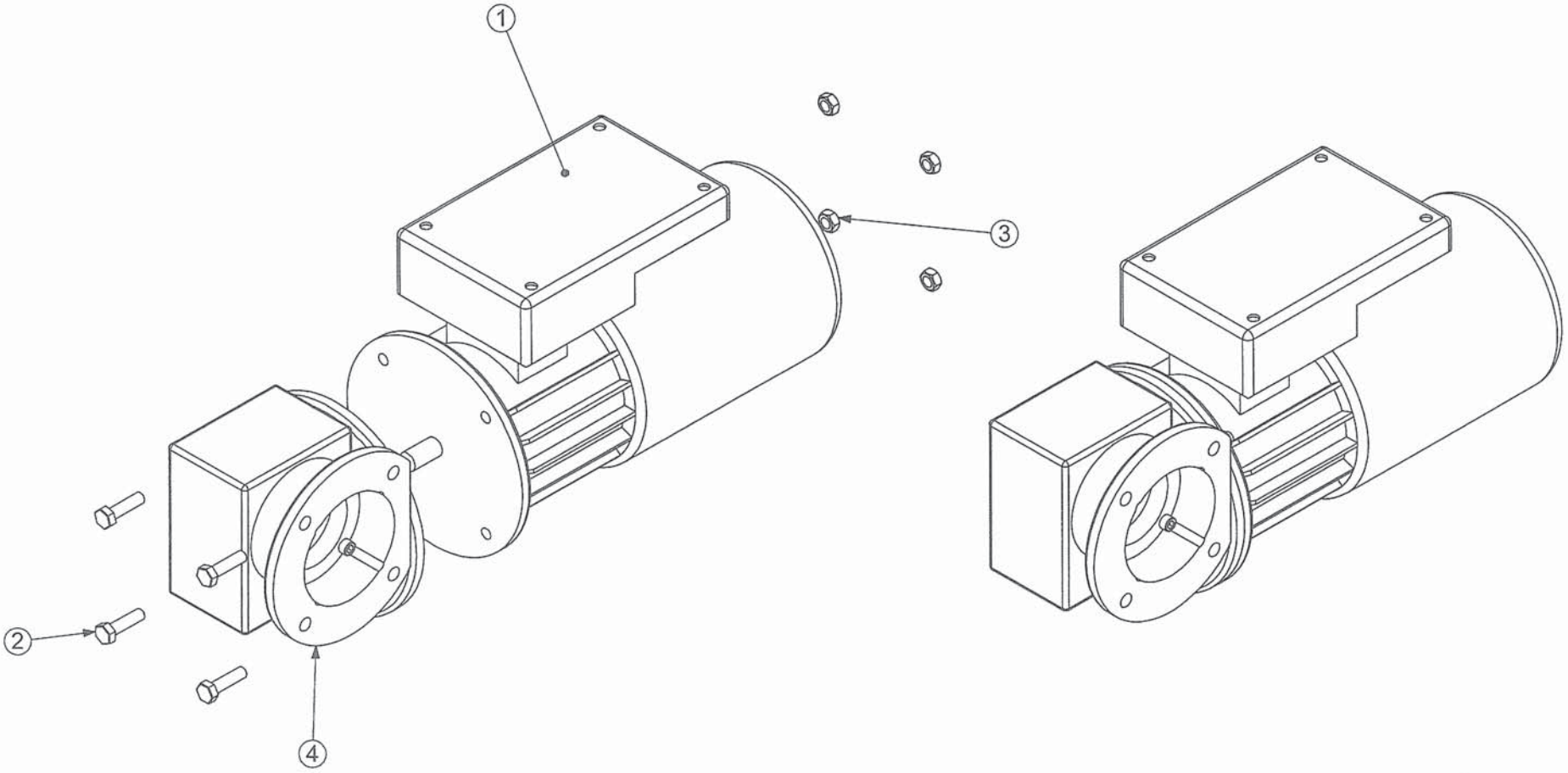


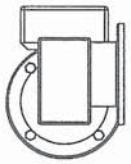
ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	TM93-0029-060080	ELECTRICAL BOX	1
2	TM91-0000-002025	ELECTRICAL BOX BRACKET	2
3	TM92-FTWS-0000M8	M8 FLAT WASHER	4
4	TM92-SHCS-0M8020	M8 X 20 SHCS	4
5	TM91-0001-001002	PILLAR NUT	4
6	TM93-0013-018021	FOOT CONTROL PEDALS	1

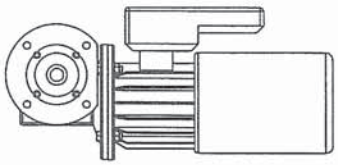
Acmeda

DRAWN / REV BY:	DATE:	REV	TITLE: ELECTRICAL BOX ASSEMBLY	SCALE:
JOSEPH TUCKER	17/1/2006	1	PART NUMBER: TM10-8015-080060-1	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
			MATERIAL: CUT SIZE:	
			FINISH: DRAWING 1 OF 1	
			ALL DIMENSIONS IN MILLIMETERS DO NOT SCALE DRAWING	

D9





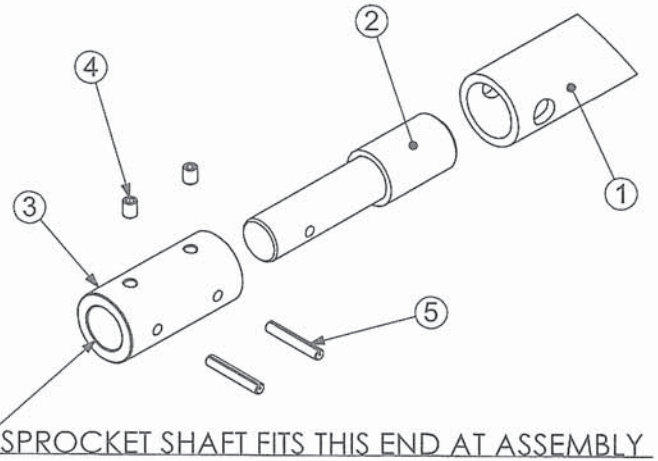


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM93-0011-022031	SERVO MOTOR 15045350 (FCR)	1
2	TM92-HXHD-0M8030	M8 X 30 HEX BOLT	4
3	TM92-MTNT-0000M8	M8 NUT	4
4	TM10-8015-017019	GEARBOX OUTPUT FLANGE	1

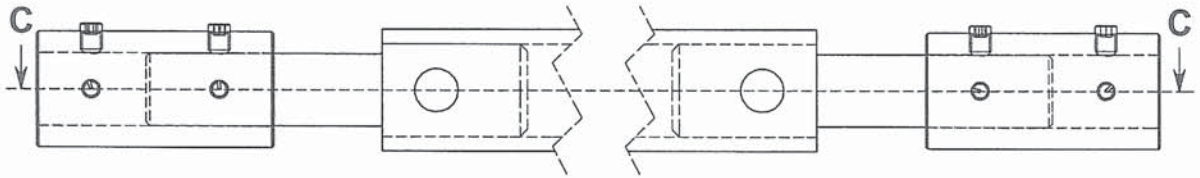
Acmeda

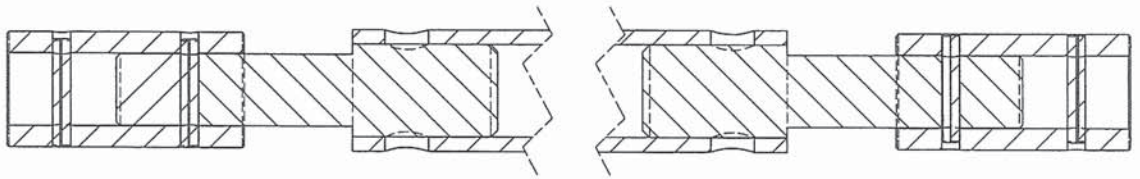
DRAWN BY: JOSEPH TUCKER	TITLE: MOTOR / GEARBOX ASSEMBLY		
FINISH:		SCALE:1:10	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-023043-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	14/12/2005	REVISION 1

DETAIL E
SCALE 1 : 3

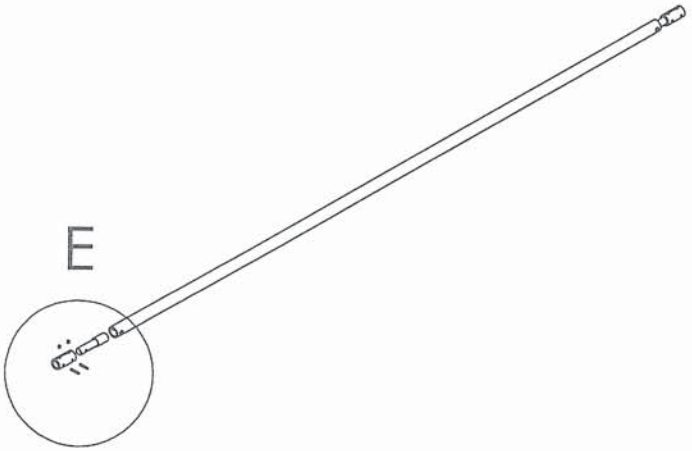


SPROCKET SHAFT FITS THIS END AT ASSEMBLY





SECTION C-C
SCALE 1 : 2

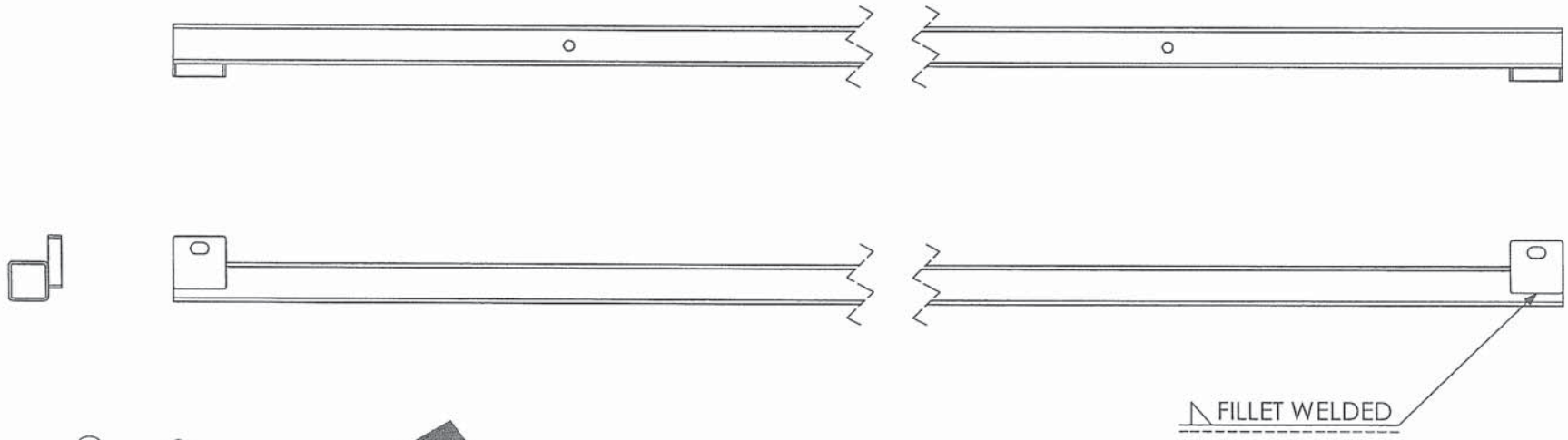


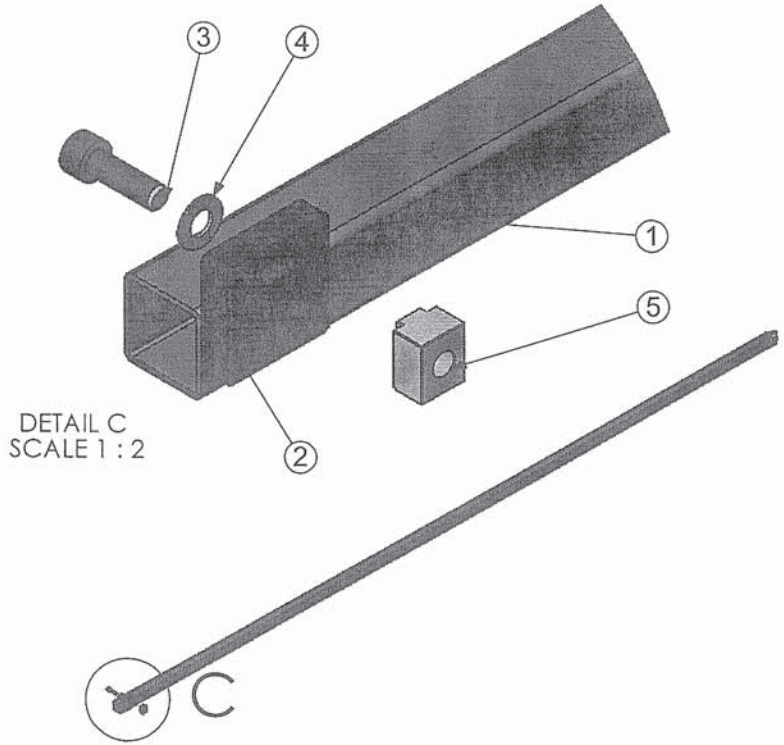
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM91-TB25-033211	DIA 33.7 X 25.7 BORE STEEL PIPE	1
2	TM91-8000-002010	DRIVESHAFT - SPIGOT	2
3	TM91-8000-003006	CONNECTOR-DRIVE SHAFT	2
4	TM92-GRUB-0M6008	M6 X 8 GRUB SCREW	4
5	TM92-RPIN-005030	5 X 30 ROLL PIN	4

Acmeda

DRAWN BY: JOSEPH TUCKER	TITLE: DRIVESHAFT ASSEMBLY		
FINISH:		SCALE:1:20	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-002224-1		DRAWING 1 OF 3	
	ALL DIMENSIONS IN MILLIMETERS	29/11/2005	REVISION 1

D11





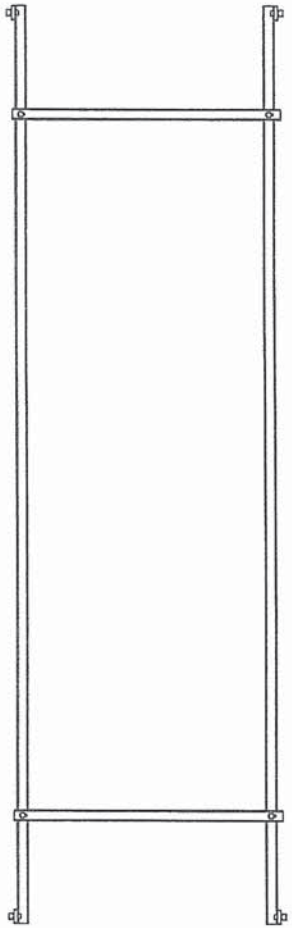
DETAIL C
SCALE 1 : 2

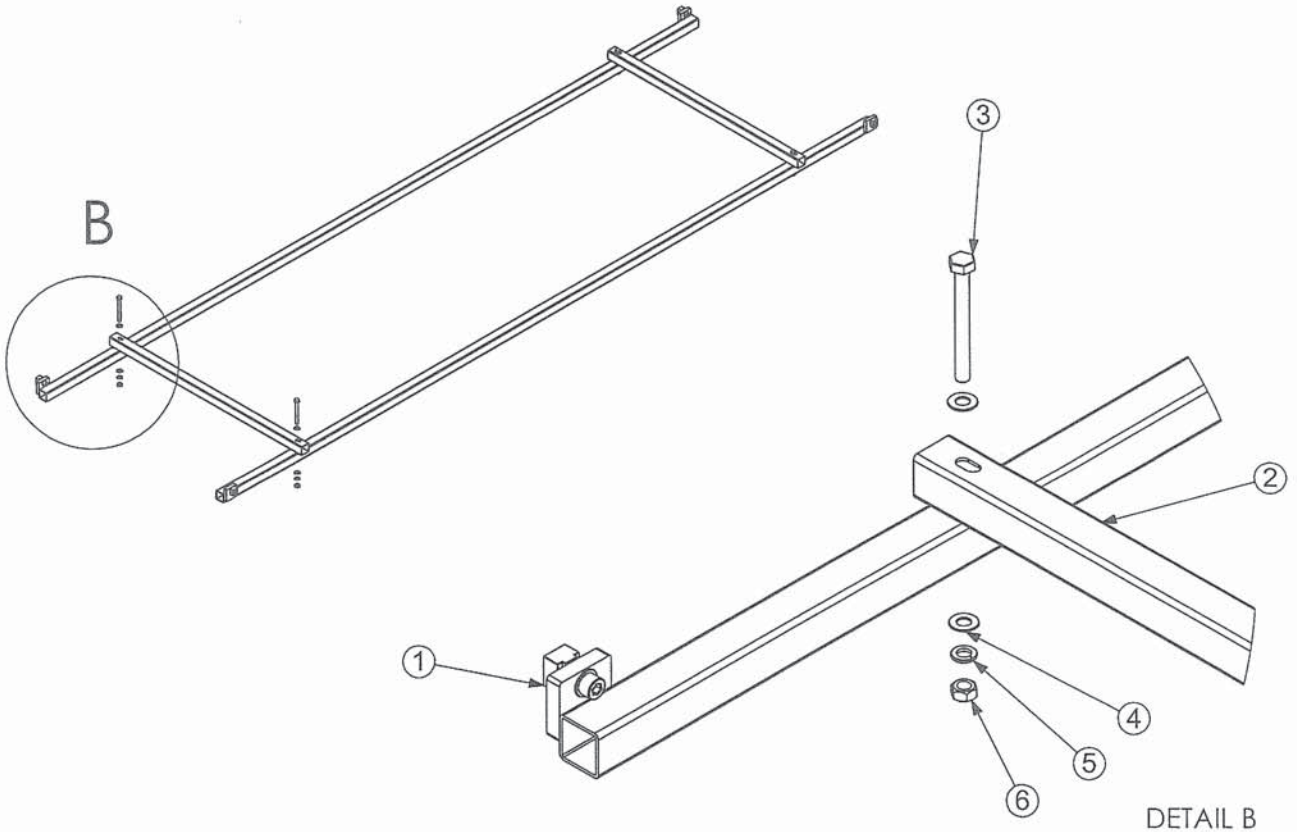
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM91-0003-003254	TOP BRACE BAR	1
2	TM91-0001-004004	LUG FOR BRACE BAR	2
3	TM92-SHCS-0M8025	M8 X 25 SHCS	2
4	TM92-FTWS-0000M8	M8 FLAT WASHER	2
5	TM91-TNUT-001002	PILLAR TEE-NUT	2

Acmeda

DRAWN BY: JOSEPH TUCKER	TITLE: TOP BRACE BAR ASSEMBLY - SINGLE SIDED HOIST	
FINISH:	SCALE:	TOLERANCE: X.X ±0.1, X.XX ±0.05, X.XXX ±0.005
MATERIAL:	DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-005254S-1	DRAWING 1 OF 1	
ALL DIMENSIONS IN MILLIMETERS	13/12/2005	REVISION 1

D12





DETAIL B
SCALE 1 : 4

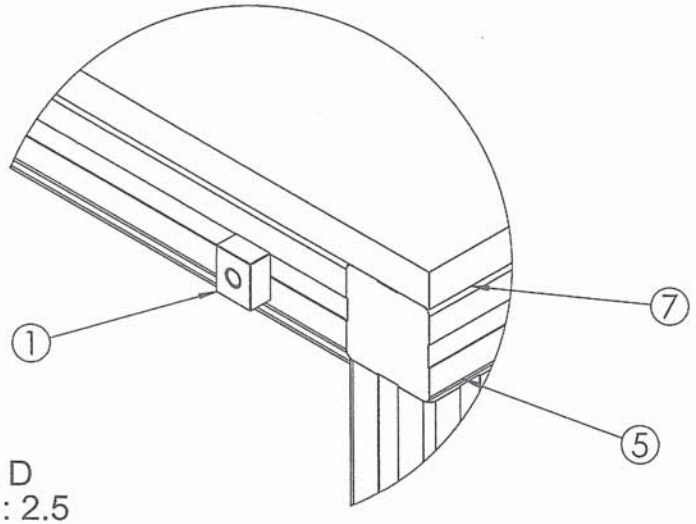
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM10-8015-005254S	TOP BRACE BAR ASSEMBLY	2
2	TM91-0003-003074	BRIDGE BAR	2
3	TM92-HXHD-0M8075	M8 X 75 HEX BOLT	4
4	TM92-FTWS-0000M8	M8 FLAT WASHER	8
5	TM92-SPWS-0000M8	M8 SPRING WASHER	4
6	TM92-MTNT-0000M8	M8 NUT	4

Acmeda

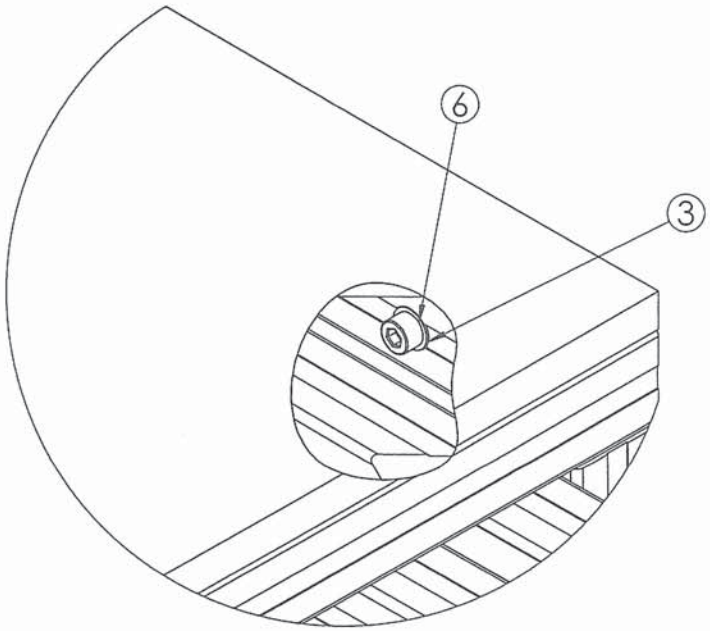
DRAWN BY: JOSEPH TUCKER	TITLE: TOP BRACE BAR ASSEMBLY- DOUBLE SIDE HOIST		
FINISH:		SCALE:	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-005254D-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	6/1/2006	REVISION 1

D13

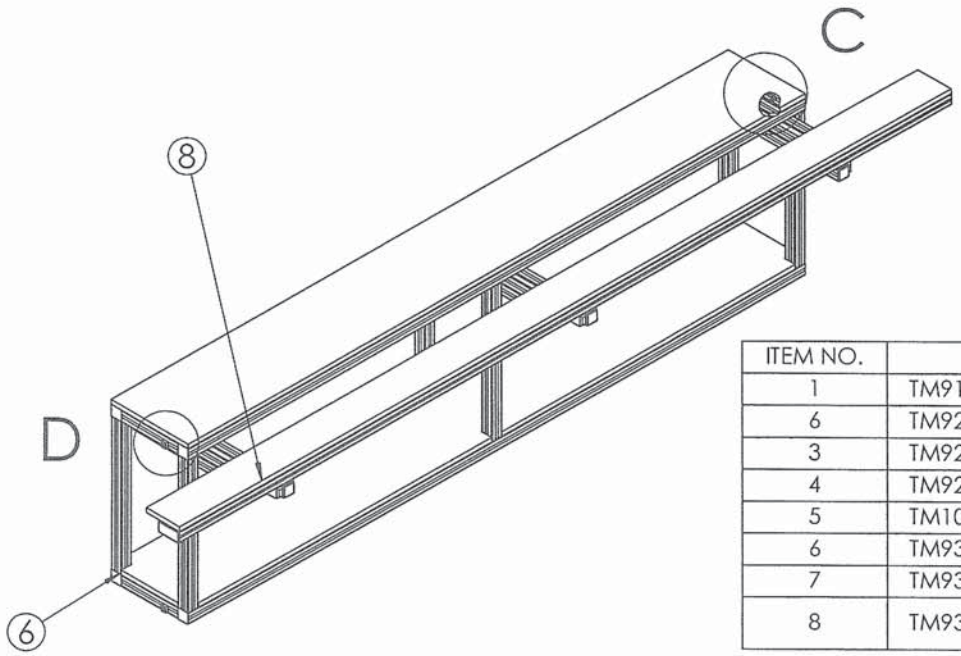
A4



DETAIL D
SCALE 1 : 2.5



DETAIL C
SCALE 1 : 2.5

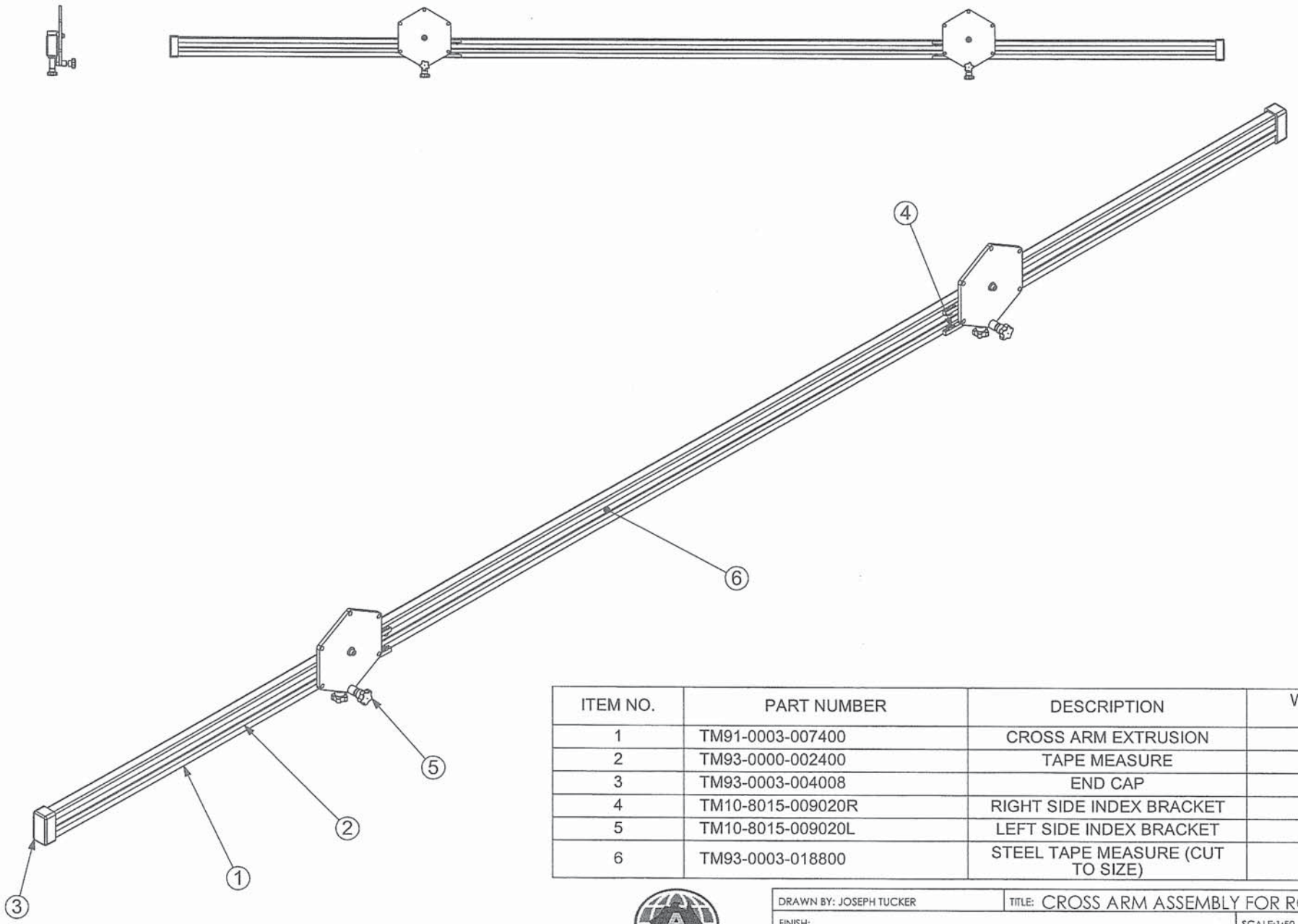


ITEM NO.	PART NUMBER	DESCRIPTION	Extended/QTY.
1	TM91-0001-001002	PILLAR NUT	4
6	TM92-SHCS-0M8055	M8 X 55 SHCS	4
3	TM92-FTWS-0000M8	M8 FLAT WASHER	4
4	TM92-CSCB-000045	45MM C/S CHIPBOARD SCREWS	30
5	TM10-1260-084040	TABLE FRAME: LB-1260	1
6	TM93-1016-030240	BOTTOM SHELF W/BOARD	1
7	TM93-1016-030240	TOP SHELF W/BOARD	1
8	TM93-1016-0133300	130MM RETRACTING SHELF W/BOARD	1

Acmeda

DRAWN / REV BY:	DATE:	REV	TITLE: PRECISION TABLE ASSEMBLY	SCALE:
JOSEPH TUCKER	17/1/2006	1	PART NUMBER: TM10-8015-126016-1	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
			MATERIAL: CUT SIZE:	
			FINISH: DRAWING 1 OF 1	
			ALL DIMENSIONS IN MILLIMETERS DO NOT SCALE DRAWING	

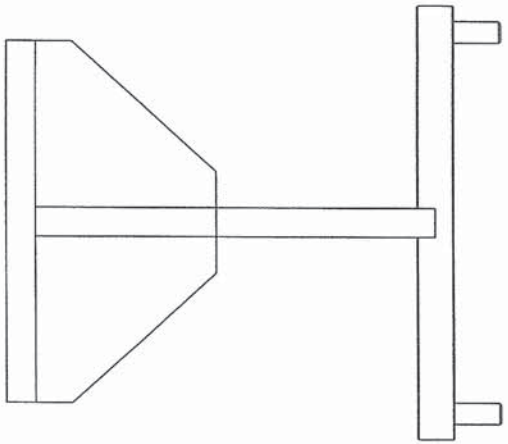
D14

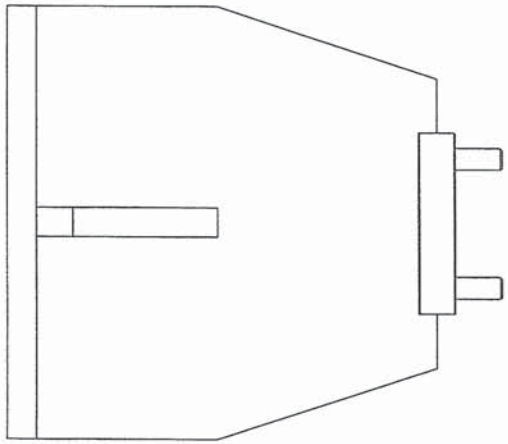


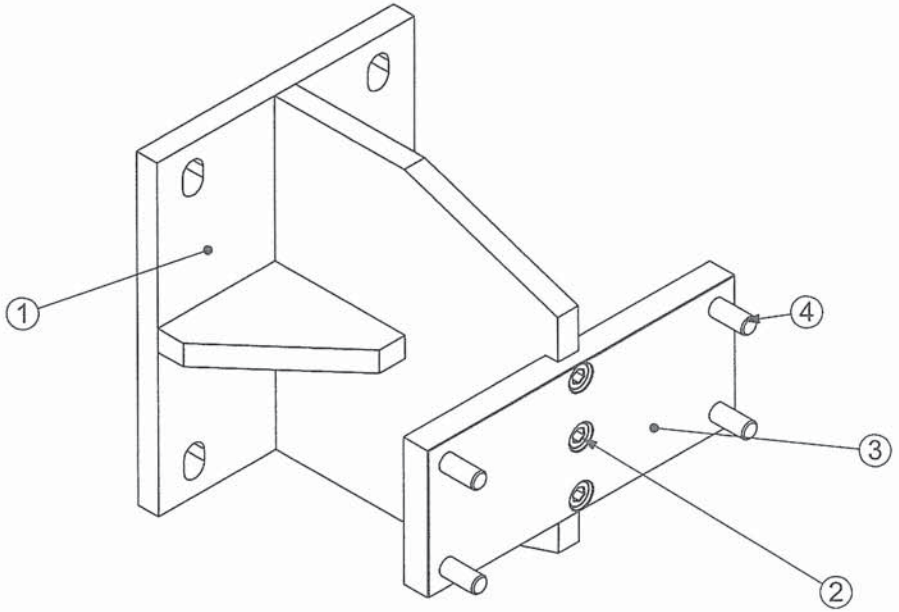
ITEM NO.	PART NUMBER	DESCRIPTION	Without Carriage Bracket/QTY.
1	TM91-0003-007400	CROSS ARM EXTRUSION	1
2	TM93-0000-002400	TAPE MEASURE	1
3	TM93-0003-004008	END CAP	2
4	TM10-8015-009020R	RIGHT SIDE INDEX BRACKET	1
5	TM10-8015-009020L	LEFT SIDE INDEX BRACKET	1
6	TM93-0003-018800	STEEL TAPE MEASURE (CUT TO SIZE)	1

Acmeda

DRAWN BY: JOSEPH TUCKER	TITLE: CROSS ARM ASSEMBLY FOR ROLLER BLINDS		
FINISH:		SCALE:1:50	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-023400-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	6/1/2006	REVISION 1





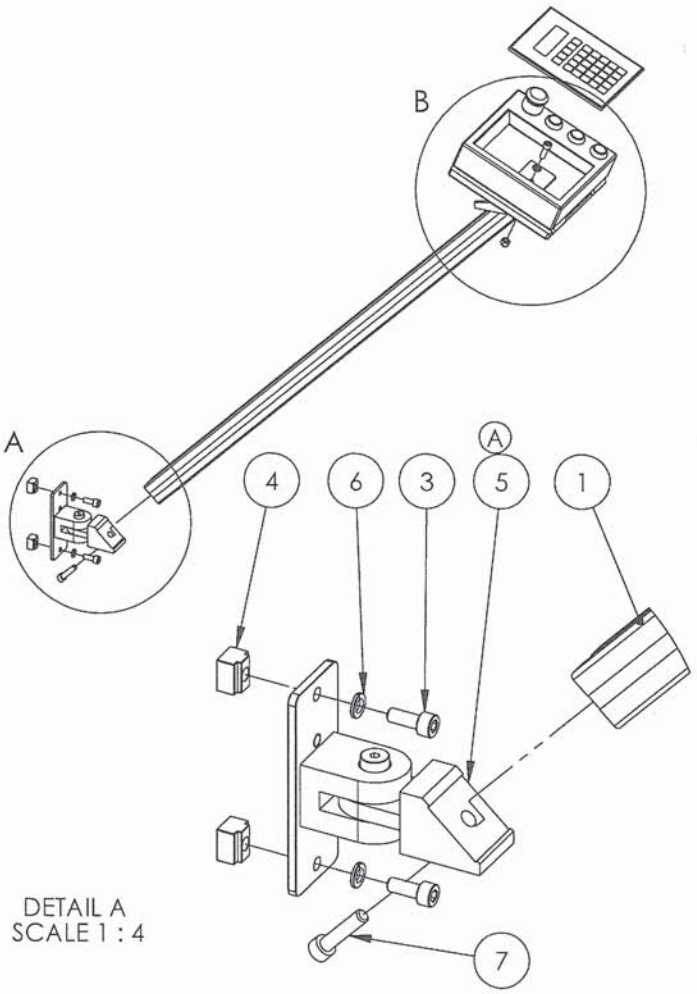


ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	TM10-8015-012012	Cross Arm Carriage Bracket	1
2	TM92-SHCS-0M5016	M5 x 16 SHCS	3
3	TM91-0001-012005	Cross Arm Mounting Plate	1
4	TM92-SHCS-0M6016	M6 X 16 SHCS	4

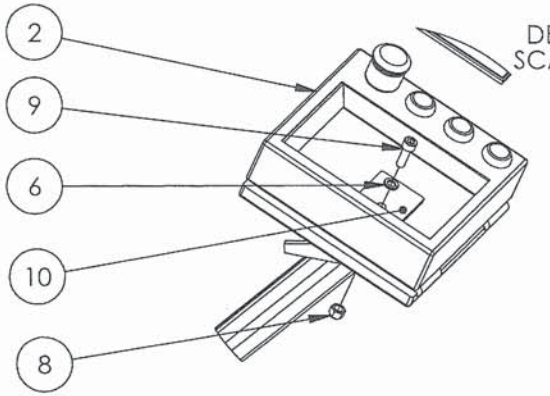
Acmeda

DRAWN BY: JOSEPH TUCKER	TITLE: CROSS ARM MOUNTING BRACKET/PLATE ASSEMBLY		
FINISH:		SCALE:	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-012013-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	21/11/2005	REVISION 1

REV.	DESCRIPTION	DRAWN	DATE
A	NEW SWING ARM MOUNT ASSY ADDED TO REPLACE PREVIOUS .	J TUCKER	13/08/2007



DETAIL A
SCALE 1 : 4



DETAIL B
SCALE 1 : 7

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM93-00LB-050721	SWING ARM - LINEAR BEARINGS AS PER LB-050721	1
2	TM10-8015-020020	CONTROL PANEL INTERFACE	1
3	TM92-SHCS-0M8020	M8 X 20 SHCS	2
4	TM91-TNUT-001002	TEE NUT FOR PILLAR	2
5	TM10-8015-124130	SWING ARM MOUNT ASSEMBLY FOR 8015 HOIST	1
6	TM92-SPWS-0000M8	M8 SPRING WASHER	3
7	TM92-SHCS-0M8035	M8 X 35 SHCS	1
8	TM92-NYLK-0000M8	M8 NYLOCK	1
9	TM92-SHCS-0M8025	M8 X 25 SHCS	1
10	TM91-0005-050090	INTERNAL MOUNT PLATE -CONTROL PANEL	1

		DATE:
DRAWN:	J TUCKER	13/08/07
CHECKED:		
APPROVED:		
SAMPLE:		
DIE NO:		

Acmeda

TITLE: **CONTROL PANEL / SWING ARM ASSEMBLY**

PART NUMBER: **TM10-8015-020125**

DRAWING NUMBER: **TM10-8015-020125-1**

MATERIAL:

FINISH:

COLOUR:

UNSPECIFIED RADIUS: 0.5mm

WEIGHT:

DO NOT SCALE

TOLERANCE:
XXX ± 1.00
XX.X ± 0.20
X.XX ± 0.05
ANGLES ± 2°
(UNLESS OTHERWISE SPECIFIED)

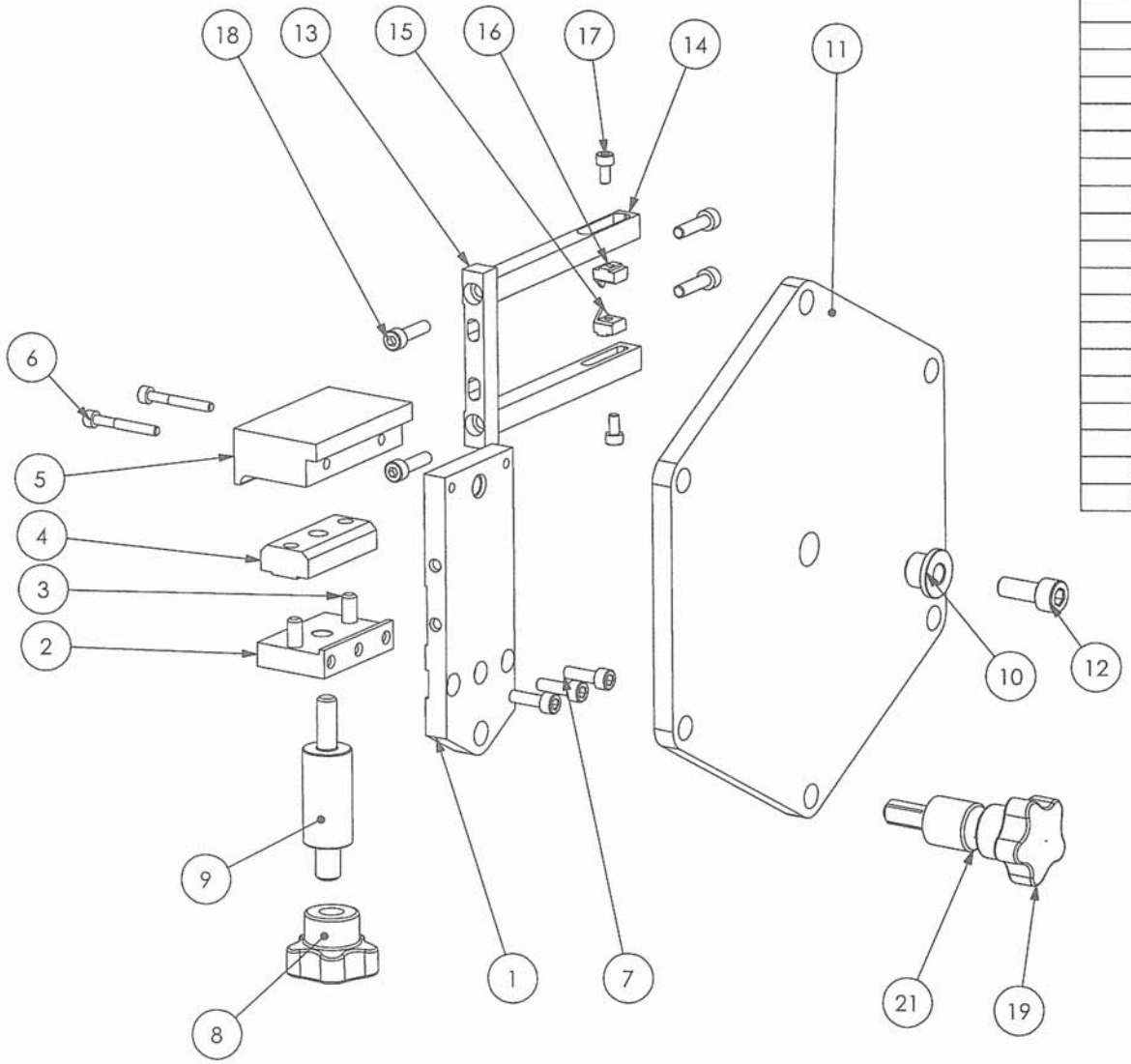
SCALE:1:20 | SIZE: A4

DWG 1 OF 1 | REV.A

DIMENSIONS IN MILLIMETERS

N:\PROJECTS\HOISTS\HOIST 8015 FILES- 2005\ALL DRAWING FILES\Control Panel & Electrical Box Assembly\Control Panel\

D17



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM91-0001-005012	UPRIGHT BRACKET	1
2	TM91-0001-003005	CLAMP NUT	1
3	TM92-DW00-006020	6 X 20 DOWEL	2
4	TM91-0001-002005	TEE NUT-INTERNAL	1
5	TM93-0002-004007	NYLON SUPPORT BRACKET	1
6	TM92-SHCS-0M4030	M4 X 30 SHCS	2
7	TM92-SHCS-0M5016	M5 X 16 SHCS	3
8	TM93-8000-069954	STAR KNOB	1
9	TM91-8000-002007	TEE NUT SCREW SHAFT	1
10	TM91-8000-002001	LOCATING BUSH	1
11	TM91-0001-022022	INDEXING PLATE	1
12	TM92-SHCS-0M8020	M8 X 20 SHCS	1
13	TM91-0001-001007	BRACE BAR	1
14	TM91-0001-001010	INDICATOR EXTENSION ARM	2
15	TM91-1002-001001	BOTTOM INDICATOR	1
16	TM91-1002-001001	TOP INDICATOR	1
17	TM92-SHCS-0M4008	M4 X 8 SHCS	2
18	TM92-SHCS-0M5020	M5 X 20 SHCS	4
19	TM93-8000-069965	STAR KNOB M8 STUD	1
20	TM93-8000-888888	5MM BALL BEARING	1
21	TM91-8000-002004	AUTO LOCKING PIN	1

Acmeda

DRAWING INFORMATION:		DATE:	SIGN:
DRAWN:	J. TUCKER	4/04/2006	
CHECKED:			
APPROVED:			
SAMPLE:			
SAMPLE:			
SAMPLE:			

NOTES:

TITLE:

PART NUMBER: **TM10-8015-009020**

DRAWING NUMBER: **TM10-8015-009020L-BOM**

SIZE: A3

MATERIAL:

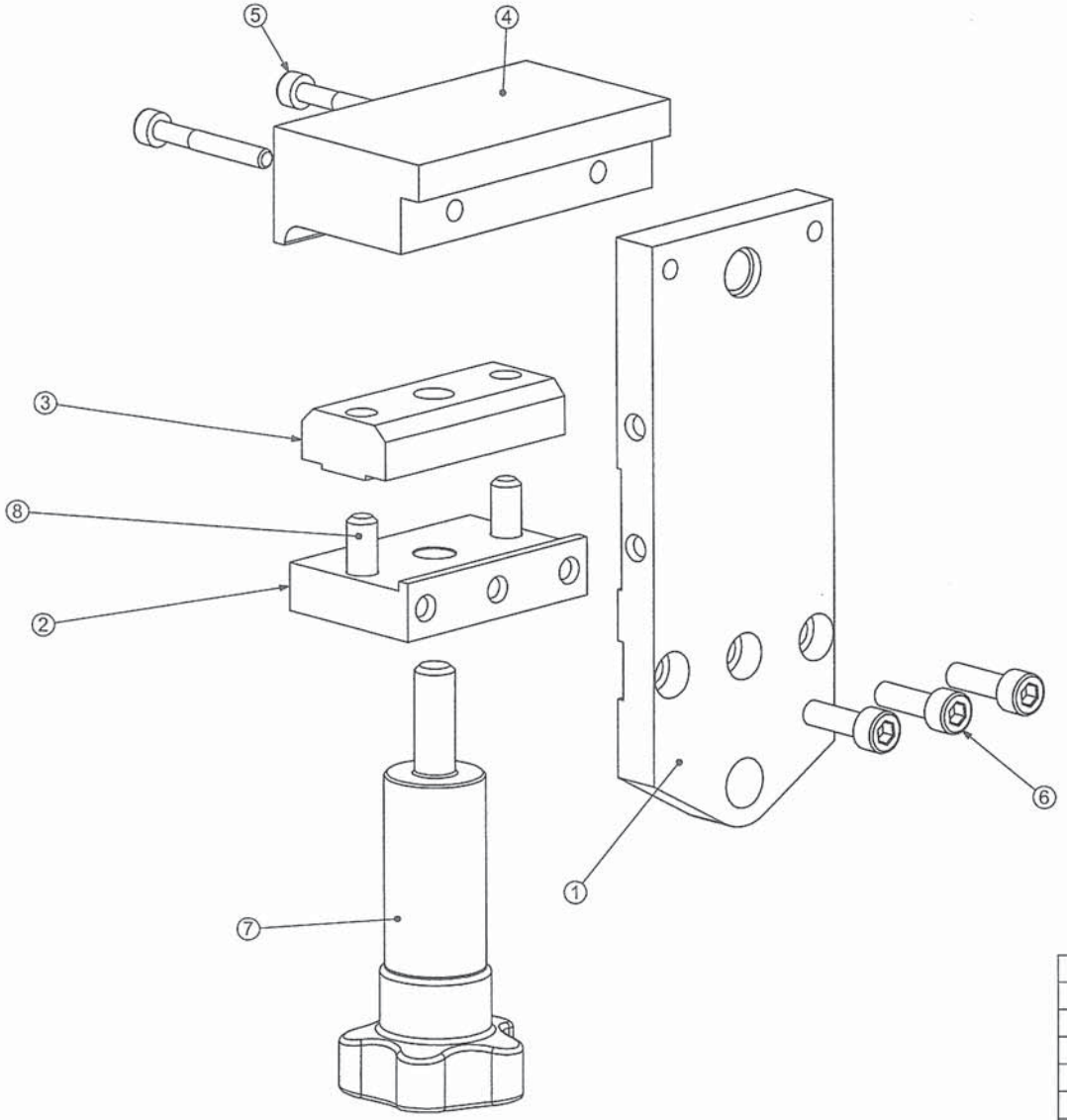
TOLERANCE: X.X ±0.1, X.XX ±0.05, X.XXX ±0.005

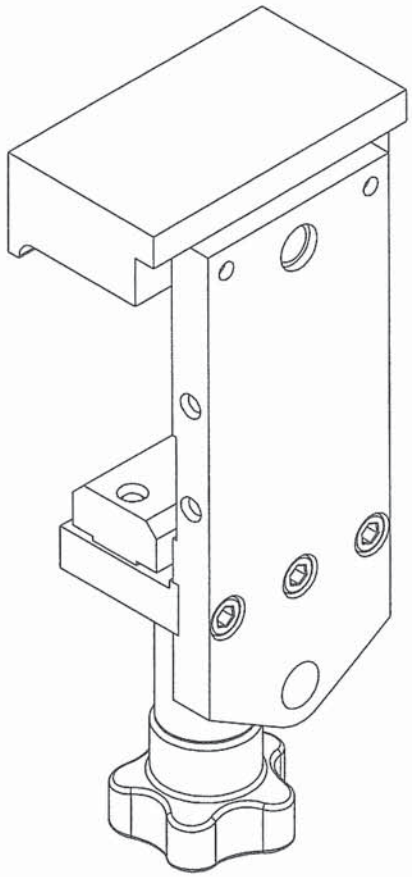
FINISH: DO NOT SCALE DRAWING

WEIGHT: SCALE:1:5

 ALL DIMENSIONS IN MILLIMETERS DRAWING 1 OF 1 REVISION 1

D18



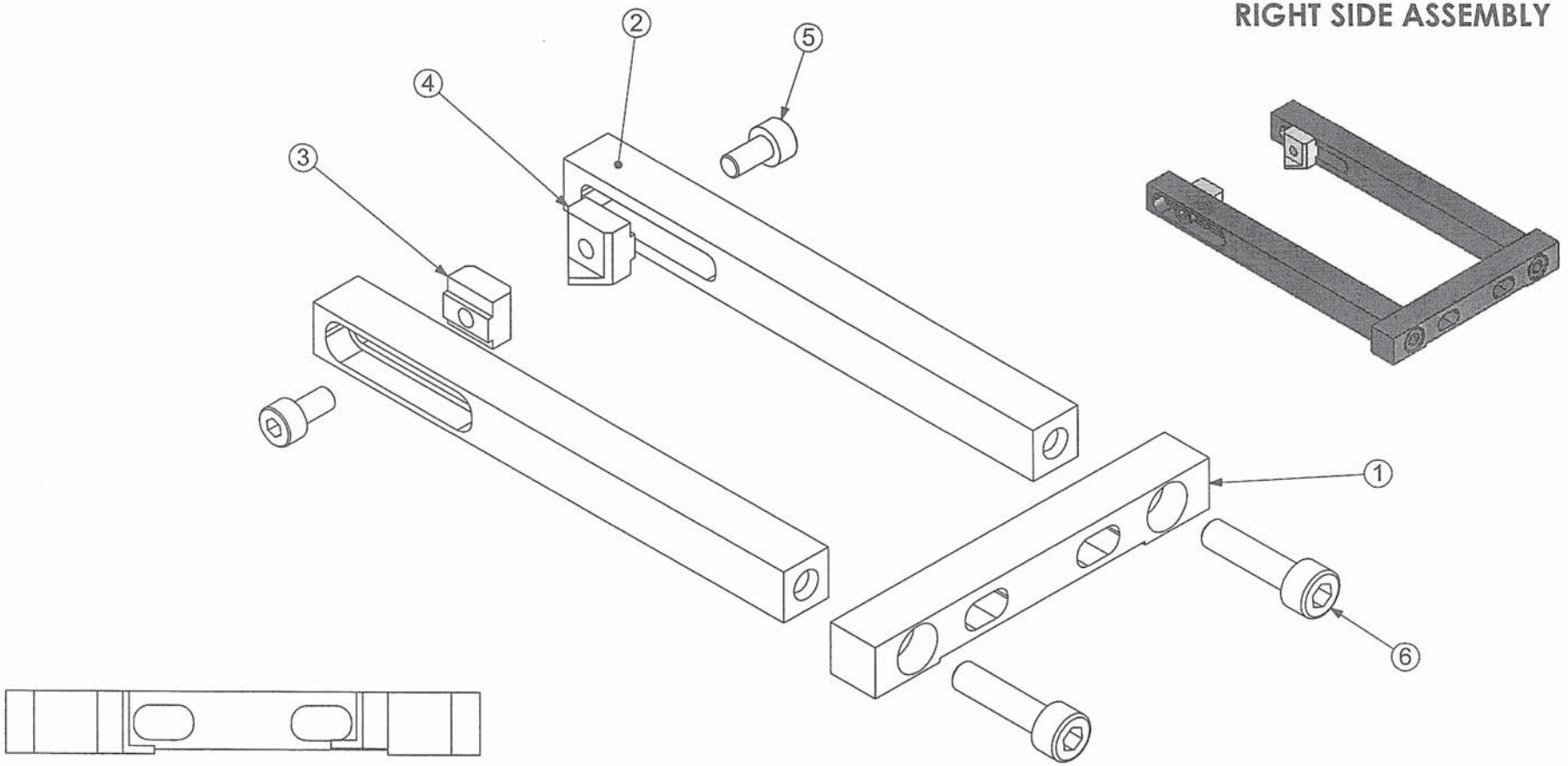


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM91-0001-005012	UPRIGHT BRACKET	1
2	TM91-0001-003005	CLAMP NUT	1
3	TM91-0001-002005	TEE NUT INTERNAL	1
4	TM93-0002-004007	NYLON SUPPORT BRACKET	1
5	TM92-SHCS-0M4030	M4 X 30 SHCS	2
6	TM92-SHCS-0M5016	M5 X 16 SHCS	3
7	TM10-8015-004009	STAR KNOB/ SCREW SHAFT ASSEMBLY	1
8	TM92-DW00-006020	6 X 20 METRIC DOWEL	2

Acmeda

DRAWN BY: JOSEPH TUCKER	TITLE: UPRIGHT BRACKET ASSEMBLY		
FINISH:		SCALE:1:2	TOLERANCE: X.X ±0.1
MATERIAL:		DO NOT SCALE DRAWING	X.XX ±0.05
PART NUMBER: TM10-8015-007008-1		DRAWING 1 OF 1	X.XXX ±0.005
	ALL DIMENSIONS IN MILLIMETERS	17/11/2005	REVISION 1

RIGHT SIDE ASSEMBLY

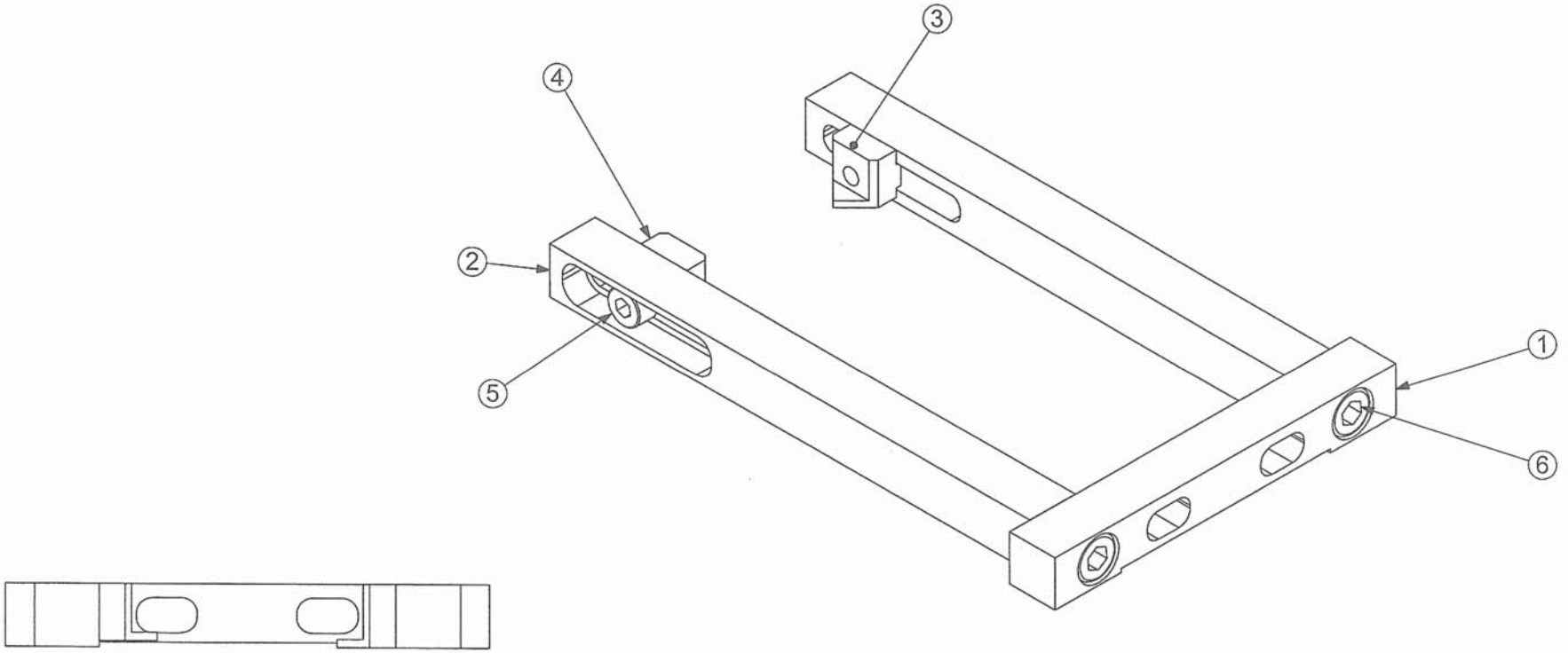


ITEM NO.	PART NUMBER	DESCRIPTION	RH/QTY.
1	TM91-0001-001007	BRACE BAR	1
2	TM91-0001-001010	INDICATOR EXTENSION ARM	2
3	TM91-1001-001001	BOTTOM INDICATOR	1
4	TM91-1002-001001	TOP INDICATOR	1
5	TM92-SHCS-0M4008	M4 X 8 SHCS	2
6	TM92-SHCS-0M5020	M5 X 20 SHCS	2

Acmeda

DRAWN BY: JOSEPH TUCKER	TITLE: INDICATOR EXTENSION ARM ASSEMBLY		
FINISH:		SCALE:1:2	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-007011R-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	17/11/2005	REVISION 1

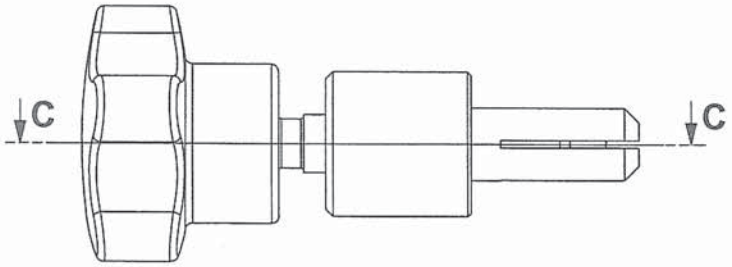
LEFT SIDE ASSEMBLY

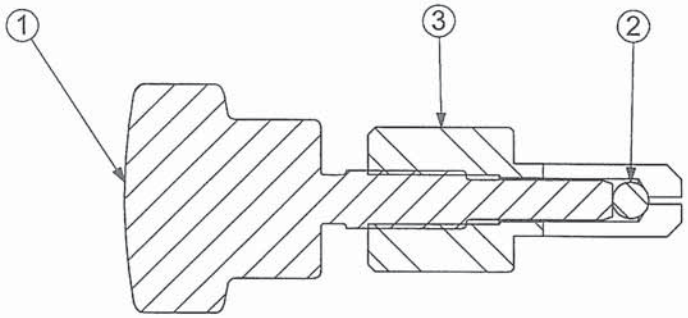


ITEM NO.	PART NUMBER	DESCRIPTION	LH/QTY.
1	TM91-0001-001007	BRACE BAR	1
2	TM91-0001-001010	INDICATOR EXTENSION ARM	2
3	TM91-1001-001001	BOTTOM INDICATOR	1
4	TM91-1002-001001	TOP INDICATOR	1
5	TM92-SHCS-0M4008	M4 X 8 SHCS	2
6	TM92-SHCS-0M5020	M5 X 20 SHCS	2

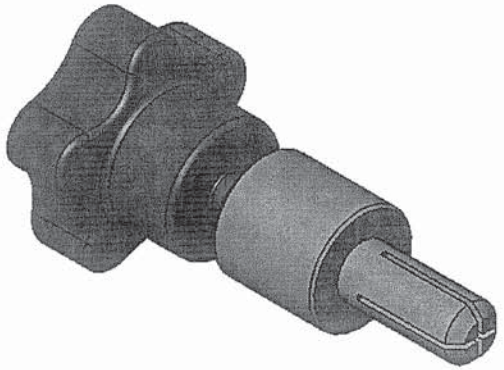
Acmeda

DRAWN BY: JOSEPH TUCKER	TITLE: INDICATOR EXTENSION ARM ASSEMBLY		
FINISH:		SCALE:1:2	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-007011L-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	18/11/2005	REVISION 1





SECTION C-C
SCALE 1 : 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM93-8000-069965	STAR KNOB	1
2	TM93-8000-888888	5MM BALL BEARING	1
3	TM91-8000-002004	AUTO-LOCKING PIN	1

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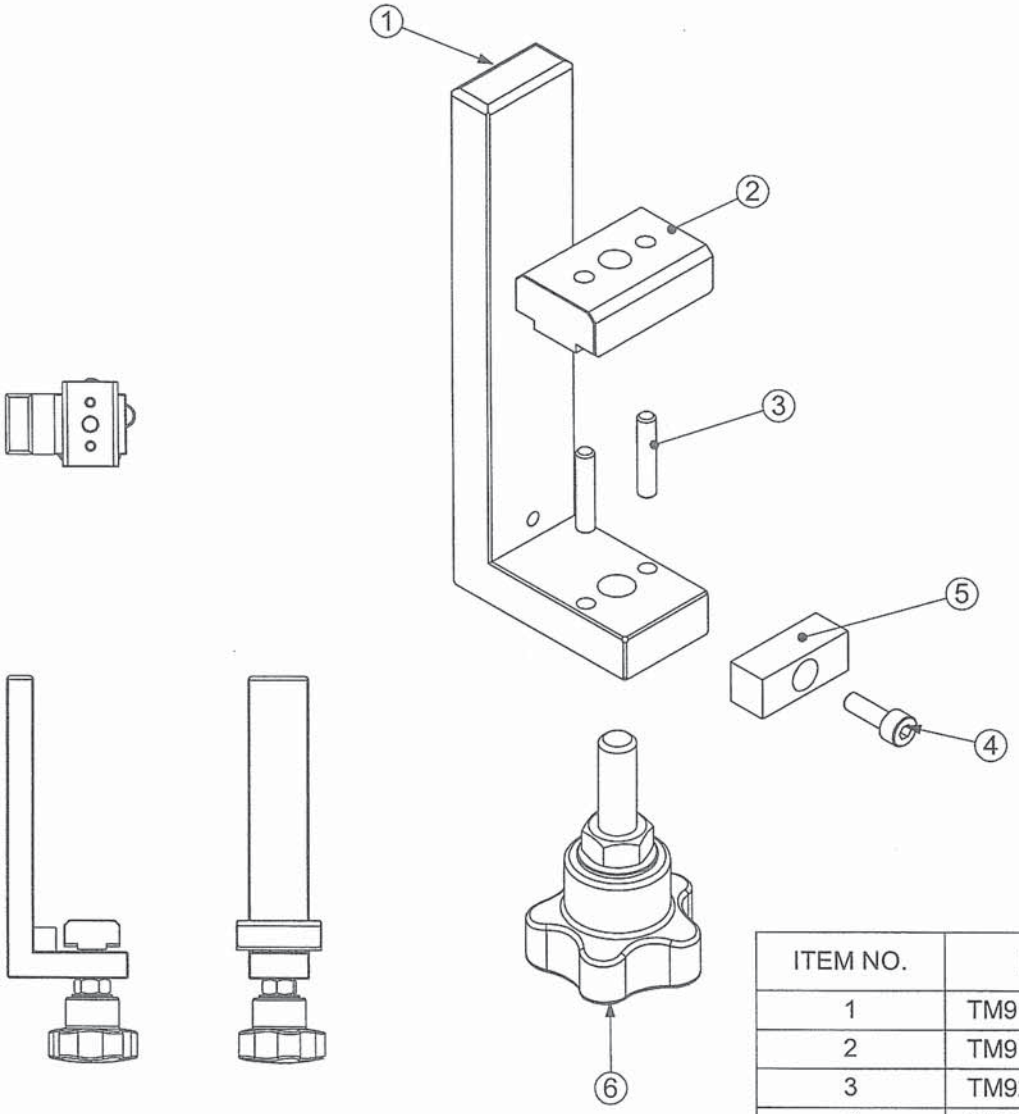
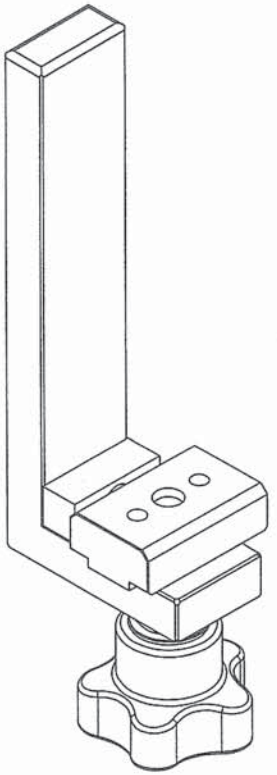
DRAWN BY: JOSEPH TUCKER	TITLE: AUTO LOCK PIN ASSEMBLY		
FINISH:		SCALE:1:2	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-004008-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	14/11/2005	REVISION 1

D22





ITEM NO.	PART NUMBER	DESCRIPTION	Default/Q TY.
1	TM91-EX02-012005	BRACKET ARM	1
2	TM91-EX01-002003	INTERNAL TEE NUT	1
3	TM92-DW00-004020	4 X 20 DOWEL	2
4	TM92-SHCS-0M4012	M4 X 12 SHCS	1
5	TM93-EX01-001002	NYLON SPACER	1
6	TM10-8015-169965	30MMM STAR KNOB CLAMP	1

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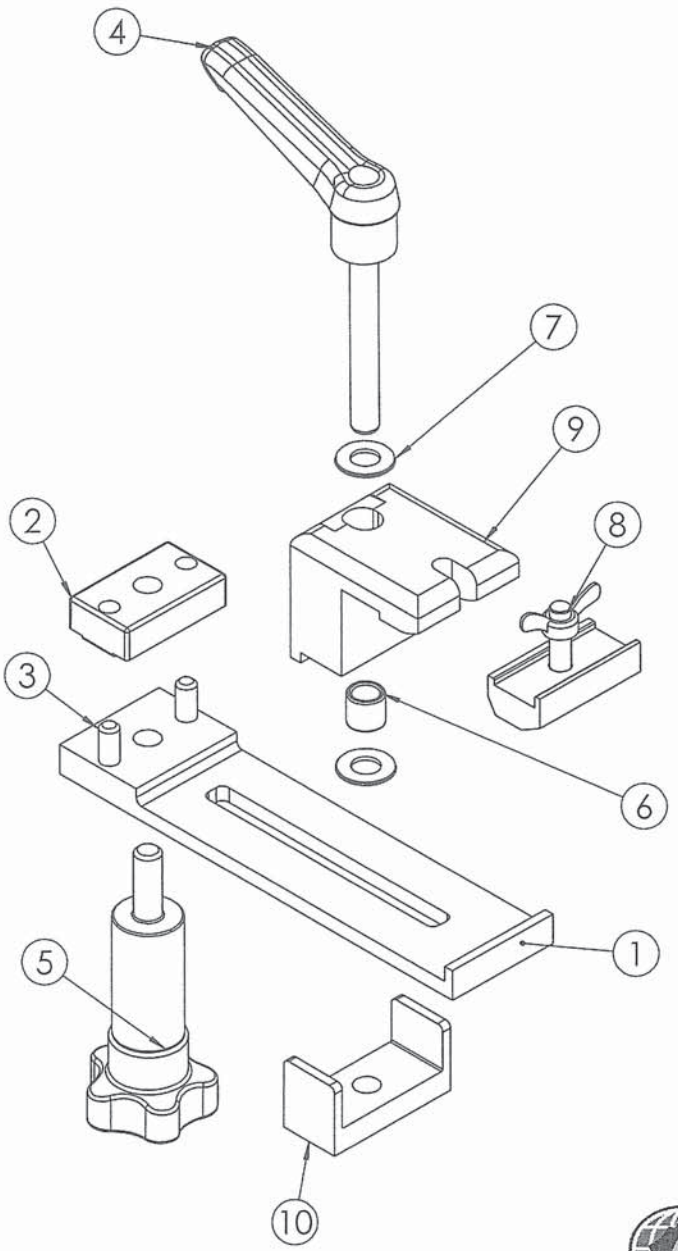
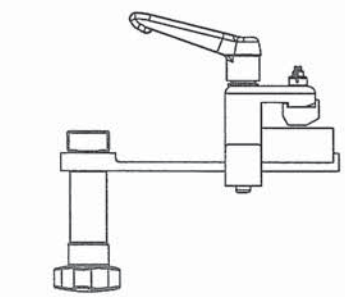
DRAWN BY: JOSEPH TUCKER	TITLE: INTERMEDIATE BRACKET FOR 6 METER EXTENSION		
FINISH:		SCALE:1:5	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
MATERIAL:		DO NOT SCALE DRAWING	
PART NUMBER: TM10-8015-EX5012-1		DRAWING 1 OF 1	
	ALL DIMENSIONS IN MILLIMETERS	15/12/2005	REVISION 1

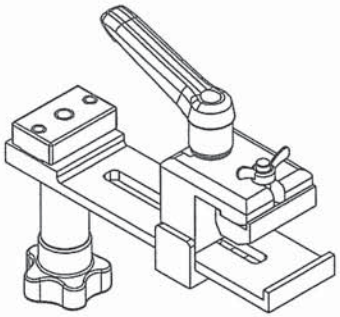
D23

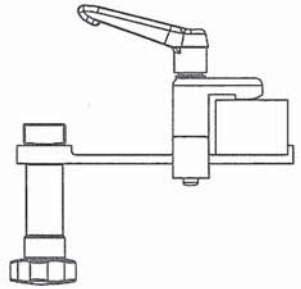
WITH CLAMP EXTENSION

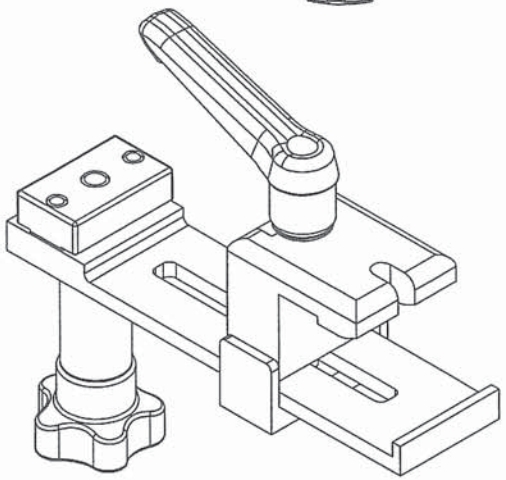


WITHOUT EXTENSION









A4

ITEM NO.	PART NUMBER	DESCRIPTION	Without Block/QTY.
1	TM91-RB01-015004	SUPPORT ARM	1
2	TM91-RB01-002004	40 X 12 X 23 MS CLAMP NUT	1
3	TM92-DW00-006020	M6 X 20 DOWEL	2
4	TM93-0002-007007	KIPP HANDLE	1
5	TM10-8015-004009	STAR KNOB/TEE NUT SHAFT ASS	1
6	TM93-CPSP-011027	11 X 27 COMPRESSION SPRING	1
7	TM92-FTWS-0000M8	M8 FLAT WASHER	2
8	TM10-8015-RB1004	CLAMP EXTENSION ASSEMBLY	1
9	TM91-RB04-004005	42MM CLAMP	1
10	TM91-RB02-004002	CLAMP NUT	1

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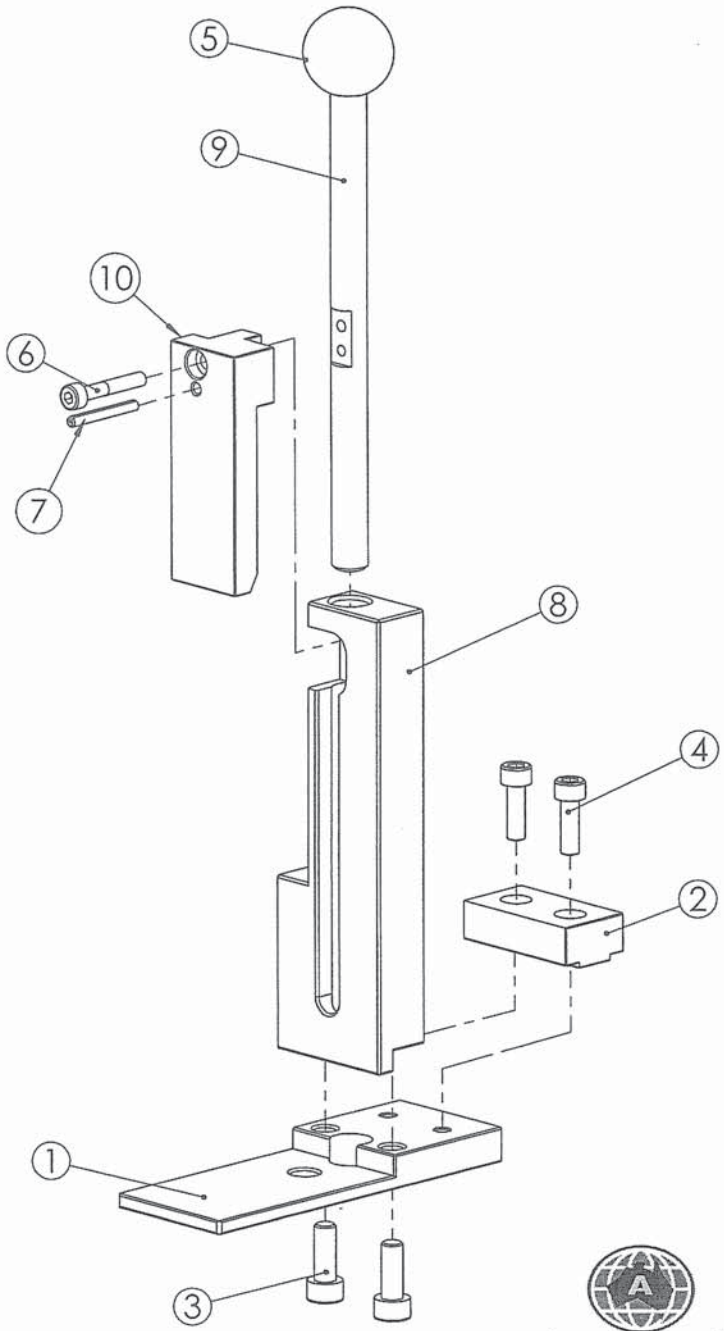
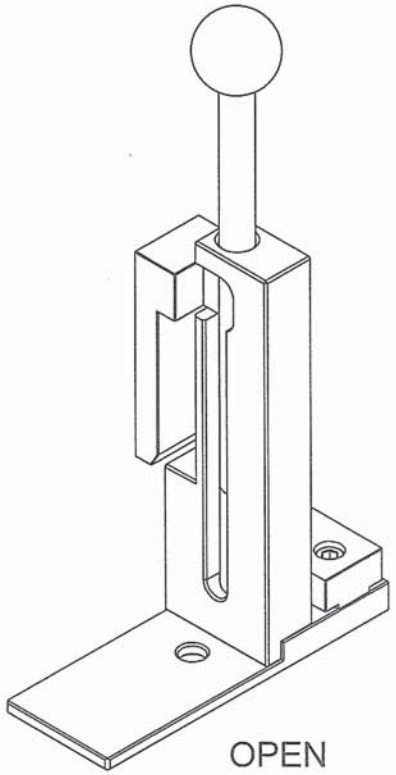
DRAWN / REV BY:	DATE:	REV	TITLE: ROMAN BLIND BRACKET - 42MM CLAMP	SCALE:
JOSEPH TUCKER	16/1/2006	1	PART NUMBER: TM10-8015-RB9015-1	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
			MATERIAL: CUT SIZE:	
			FINISH: DRAWING 1 OF 1	
			ALL DIMENSIONS IN MILLIMETERS DO NOT SCALE DRAWING	

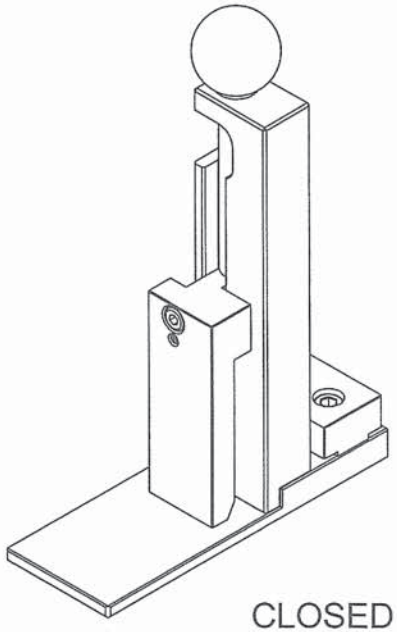
D24

A4





OPEN



CLOSED

ITEM NO.	PART NUMBER	DESCRIPTION	Final Rev Down/QTY.
1	TM91-S010-040110	RAIL SUPPORT	1
2	TM93-S012-022040	NYLON SLIDE	1
3	TM92-SHCS-0M6016	M6 X 16 SHCS	2
4	TM92-SHCS-0M5016	M5 X 16 SHCS	2
5	TM93-S000-2000M8	BALL HANDLE M8 THREAD	1
6	TM92-SHCS-0M4025	M4 X 25 SHCS	1
7	TM92-RPIN-003026	3 x 26 ROLL PIN	1
8	TM91-S018-040125	CLAMP HOUSING	1
9	TM91-S000-010020	SAFETY BRACKET SHAFT	1
10	TM93-S022-030063	HOLDING FINGER	1

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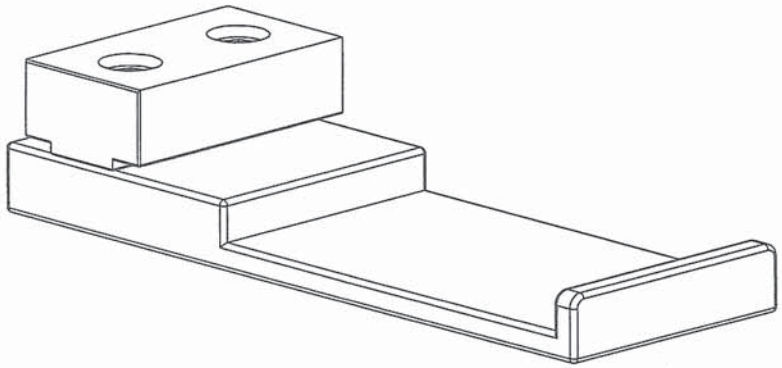
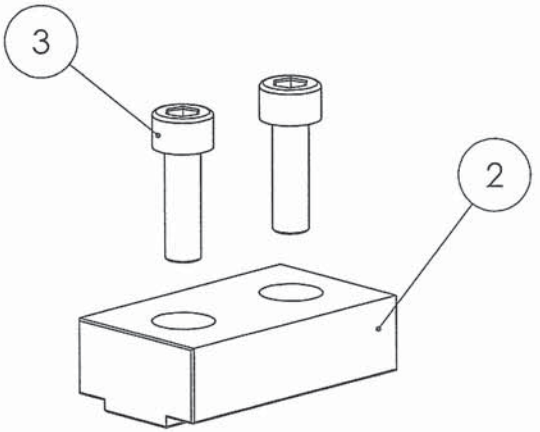
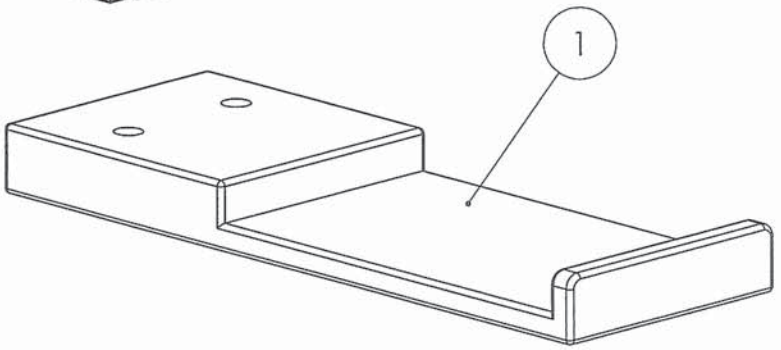
DRAWN / REV BY:	DATE:	REV	TITLE: SAFETY BRACKET ASSEMBLY	SCALE:
JOSEPH TUCKER	9/02/2006	1	PART NUMBER: TM10-8015-701401-1	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
			MATERIAL: CUT SIZE:	
			FINISH: DRAWING 1 OF 1	
			ALL DIMENSIONS IN MILLIMETERS DO NOT SCALE DRAWING	

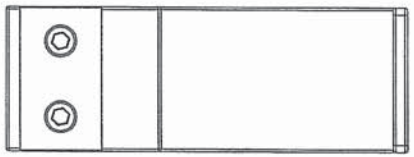
D25

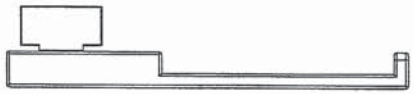
A4











ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TM91-1004-040111	Finger Bracket	1
2	TM93-S012-022040	NYLON SLIDE	1
3	TM92-SHCS-0M5016	M5 X 16 SHCS	2

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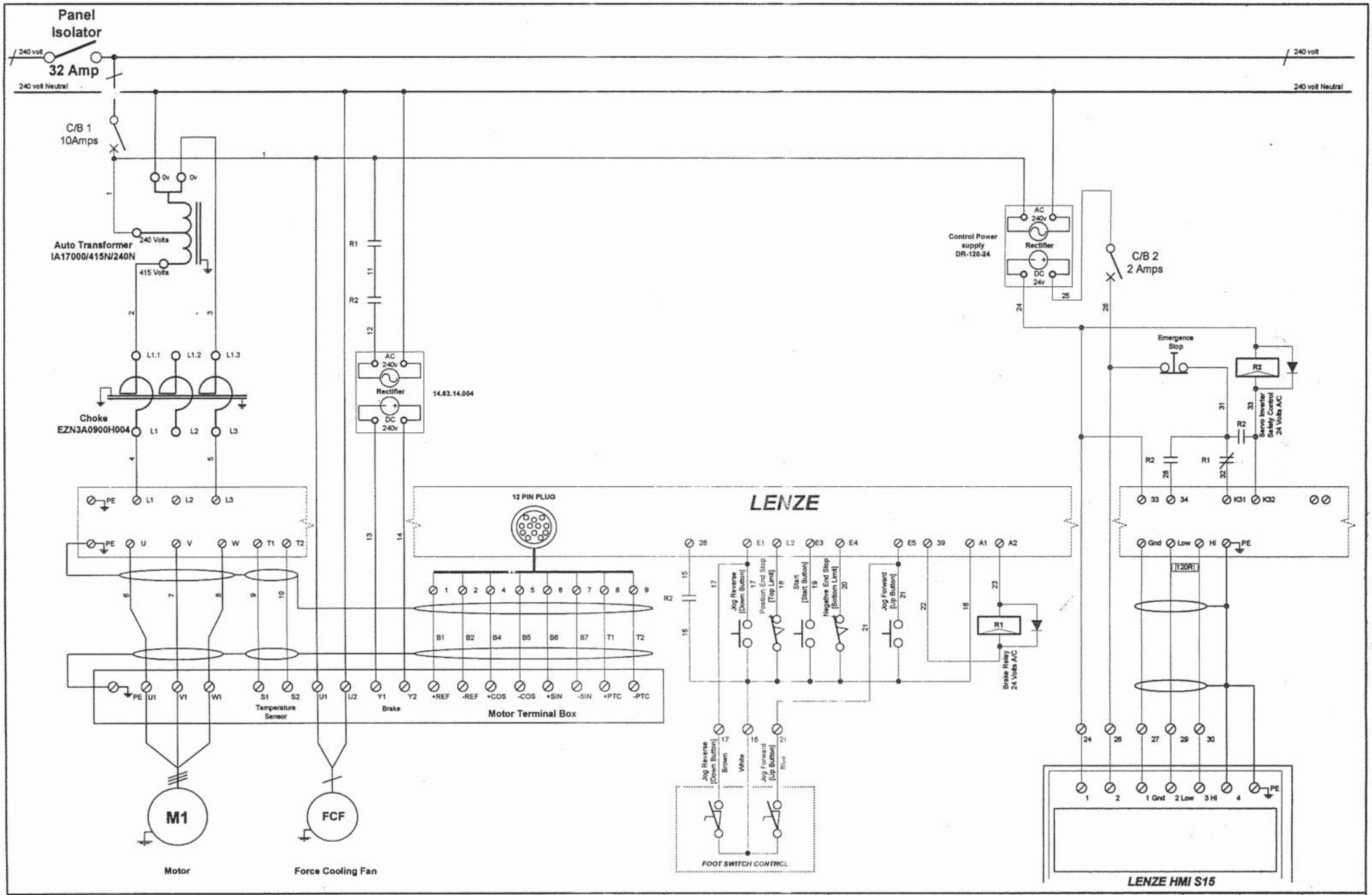
DRAWN / REV BY:	DATE:	REV	TITLE: SLIDING FINGER BRACKET	SCALE:
JOSEPH TUCKER	27/03/2006	1	PART NUMBER: TM10-8015-040111-1	TOLERANCE: X.X ±0.1 X.XX ±0.05 X.XXX ±0.005
			MATERIAL: CUT SIZE:	
			FINISH: DRAWING 1 OF 1	
			ALL DIMENSIONS IN MILLIMETERS DO NOT SCALE DRAWING	

D26



TITLE: Hoist. Electrical Control Schematic				DATE: 10/09/2005	DRAWN: T.RODDA	CHECK: S.WINTON
				DRAWING No: 10000-001	JOB No: C1079	REVISION: A
CLIENT: Acmdca	REVISION	ORIGINAL REVISION / AMENDMENT	DATE	Sheet 1 of 1		

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