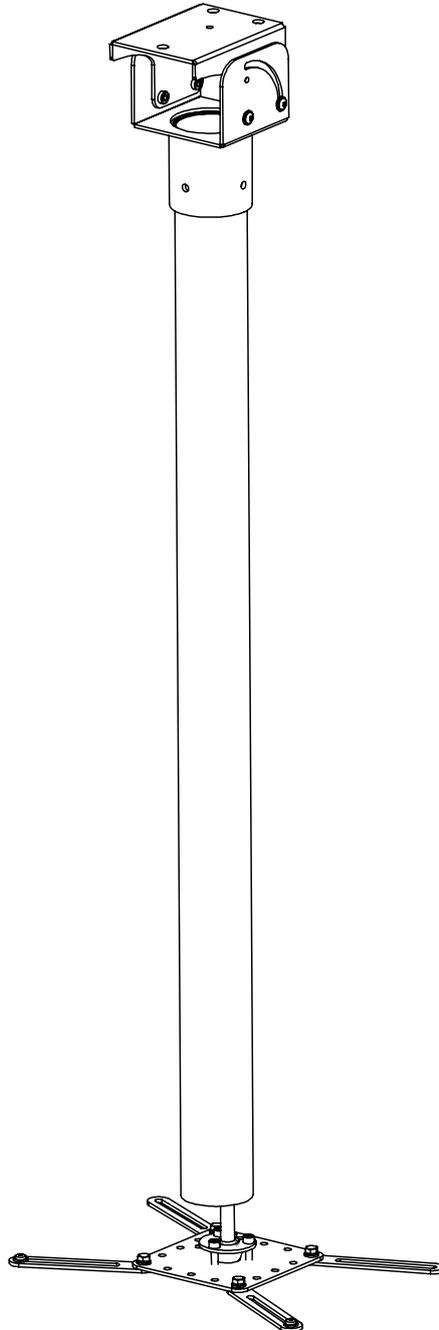


Spider 1200/3000



CAUTION

Safety Warning



Mount where people will not be injured:

Select a mounting position where people will not hit their head or other parts of their body.



Risk of Electrocutation:

Do not connect any power to the projector until installation is complete. Attach the projector as instructed in the installation procedure.



Wear a Hardhat:

During installation this product or parts of it may move in unexpected ways. Wear a hardhat to ensure safety at all times.



Wear Protective Eyewear:

During installation this product or parts of it may move in unexpected ways. Wear protective eyewear to ensure safety at all times.



Be Prepared:

Organise your mounting hardware and have the necessary tools readily accessible before installation.



**Do not expose to extreme temperatures or corrosive materials.
Minimize exposure to the elements.**

This will void your warranty and reduce the life of the product.



This product should only be installed by a qualified technician.

It may be illegal to install this product in your region if you are not a licensed technician. Doing so will also void your warranty.

Table of Contents

Parts List	4
Screw Kit	5
Spider 1200/3000 Diagram	6-7
Installation Overview	8
A. Ceiling Surface Mount Installation	9
B. Ceiling Flush Mount Installation to Roof Member	10-12
C. Ceiling Flush Mount Installation to Wall Member	13-14
D. Wall Surface Mount Installation	15
A, B, C & D. Finishing Installation Steps	16
Mounting the Projector to Spider 1200/3000	16
Cutting the Pole to Length (optional)	17
Reconnecting Pole to the Pole Sleeve (optional)	17
Re-assembling the Spider 1200/3000	18
Specifications	19
Warranty and Returns Policy	20-21
Legal Notice and Liability Disclaimer	22

Thank You

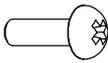
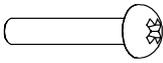
Thank you for purchasing this Ultralift product. We are sure you will enjoy this unit for years to come. Before installing, operating or adjusting this product, please read this instruction book carefully and completely.

Parts Checklist

When you receive this product, please do the following to ensure you have all of the needed components included in the package.

- Open the carton & inspect for damage.
- Locate the following parts:
 - 1 — Spider 1200/3000 (Projector Mount)
 - 1 — Screw Kit (see next page)

Screw Kit: Spider 1 200/3000

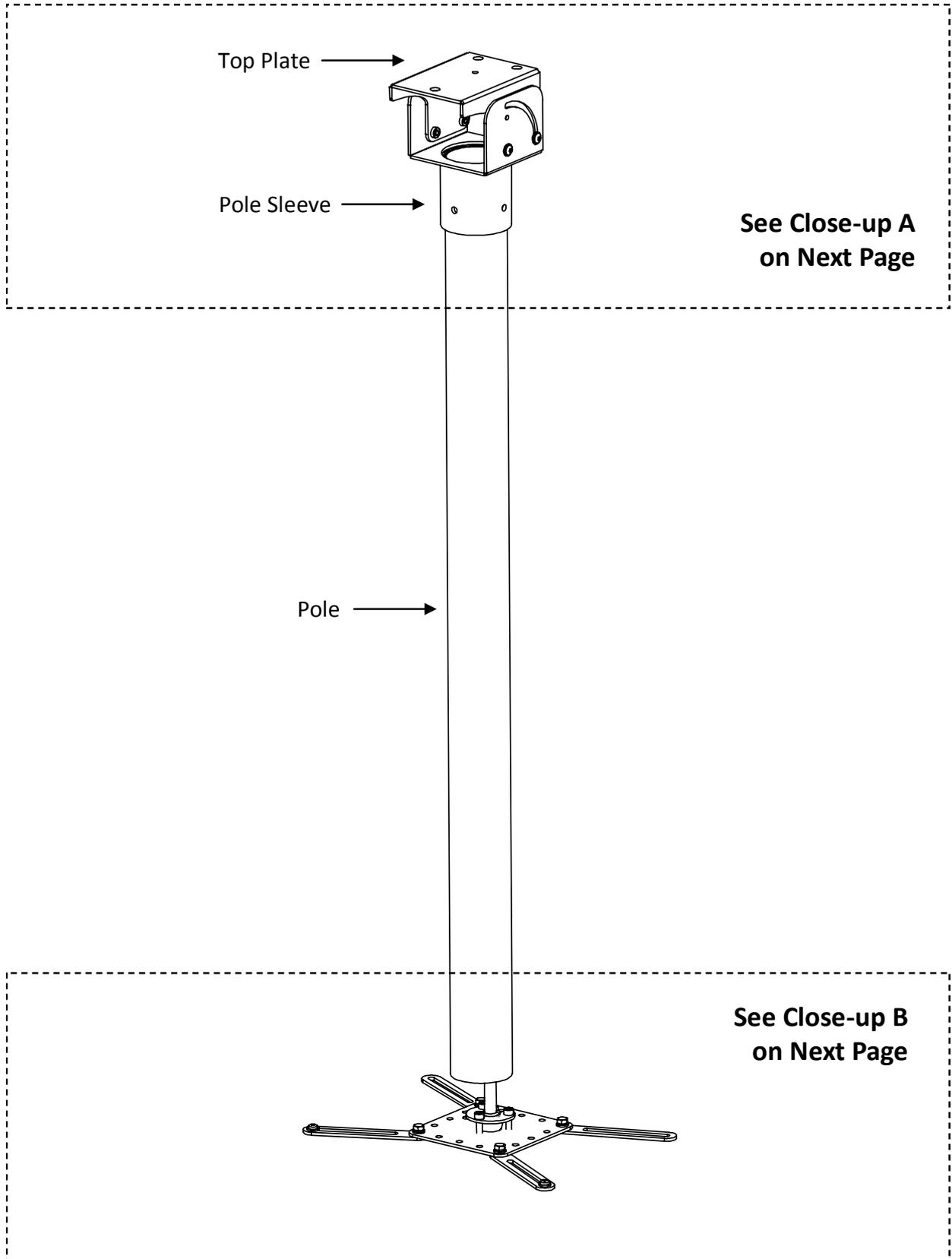
A	<p>M4 Pan Phillips screws (12mm Long) Quantity: 4 To fasten certain Projectors to Mount Arm</p>	
C	<p>M4 Pan Phillips screws (20mm Long) Quantity: 4 To fasten certain Projectors to Mount Arm</p>	
E	<p>M4 Pan Phillips screws (35mm Long) Quantity: 4 To fasten certain Projectors to Mount Arm</p>	
G	<p>M6 Pan Phillips screws (12mm Long) Quantity: 4 To fasten certain Projectors to Mount Arm</p>	
I	<p>M6 Pan Phillips screws (20mm Long) Quantity: 4 To fasten certain Projectors to Mount Arm</p>	
K	<p>M6 Pan Phillips screws (35mm Long) Quantity: 4 To fasten certain Projectors to Mount Arm</p>	
M	<p>5.3 x 20 x 1.25 Washers Quantity: 4 Use with M4 or M5 Projector Mount Screws to fasten Projector to Arm.</p>	
B	<p>M5 Pan Phillips screws (12mm Long) Quantity: 4 To fasten certain Projectors to Mount Arm</p>	
D	<p>M5 Pan Phillips screws (20mm Long) Quantity: 4 To fasten certain Projectors to Mount Arm</p>	
F	<p>M5 Pan Phillips screws (40mm Long) Quantity: 4 To fasten certain Projectors to Mount Arm</p>	
H	<p>Cable Ties Quantity: 6 For cable management to keep leads tidy</p>	
J	<p>Small Nylon Spacer (10mm Long) Quantity: 4 Use with Projector Screws for some projectors</p>	
L	<p>Long Nylon Spacer (25mm Long) Quantity: 4 Use with Projector Screws for some projectors</p>	
N	<p>Self Drilling into Metal Countersunk Screws Quantity: 2 To fasten Pole Sleeve to Pole</p>	

Included in the Screw Kit is a selection of screws suited to different projector models:

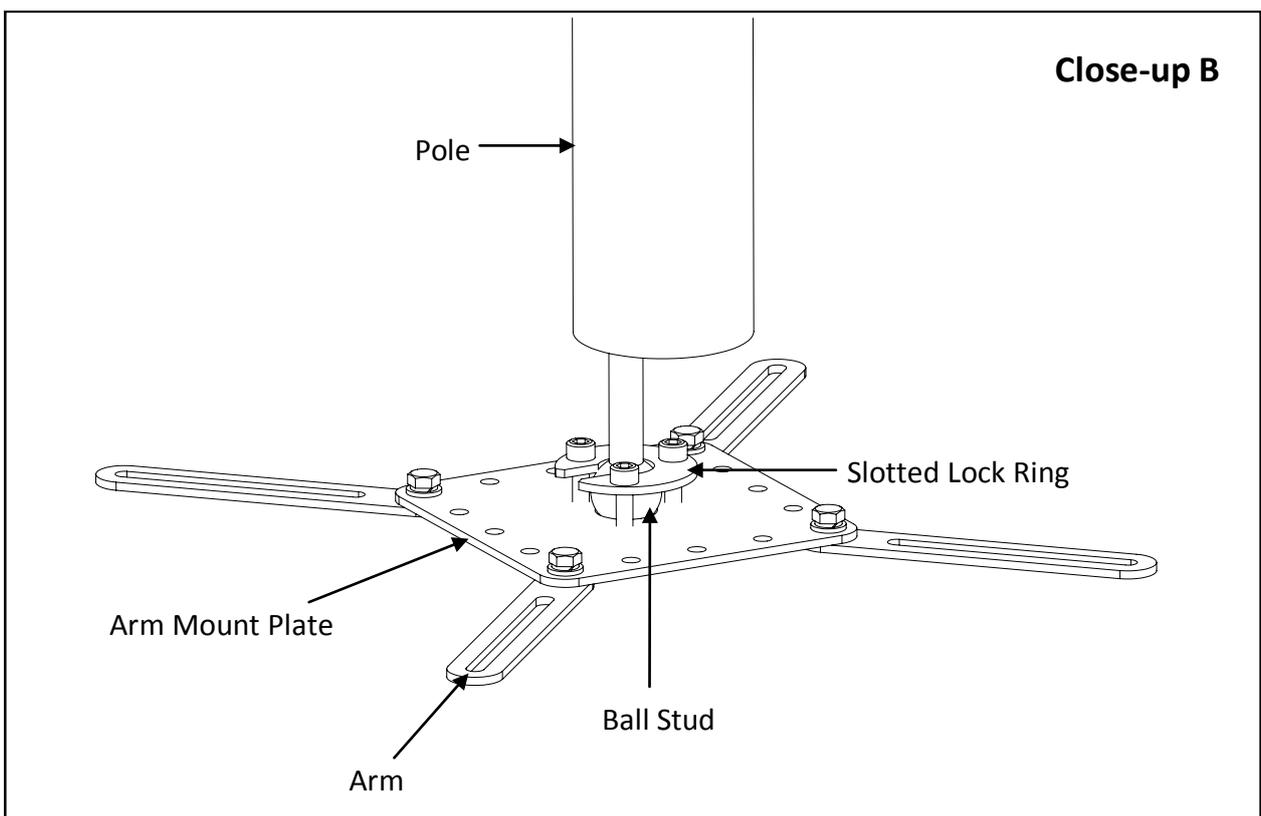
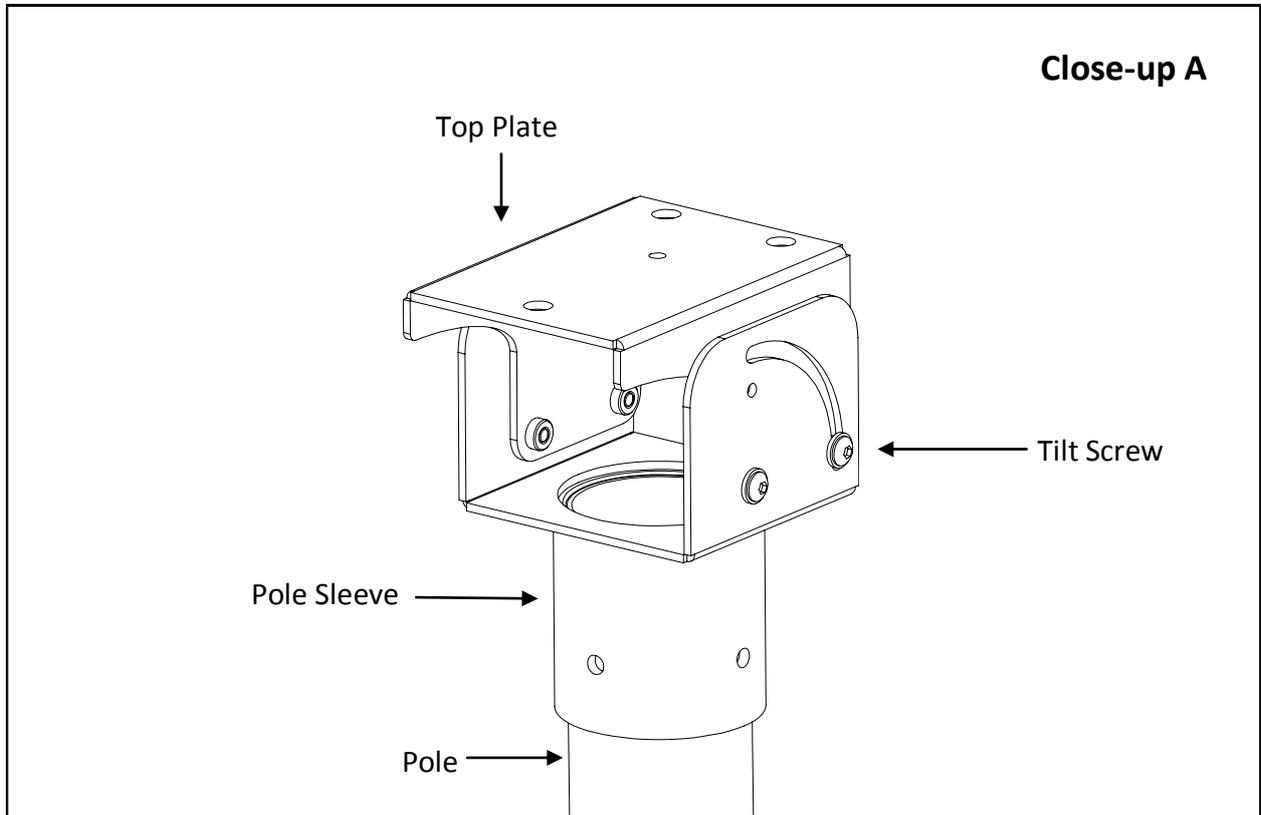
M4x12, M4x20, M4x35 (Parts A, C & E); M5x12, M5x20, M5x40 (Parts B, D & F); M6x12, M6x20, M6x35 (Parts G, I & K)

If you are using the M4 or M5 screws to fasten your projector to the Mounting Arms, make sure you use the included washers (Part M) Some projectors may have irregular shapes that make the shorter screws unsuitable for mounting to the underside of the projector. Use one of the longer screws instead, in combination with either the Short or Long Nylon Spacers (J & L) provided.

Spider 1200/3000 Diagram (1 of 2)



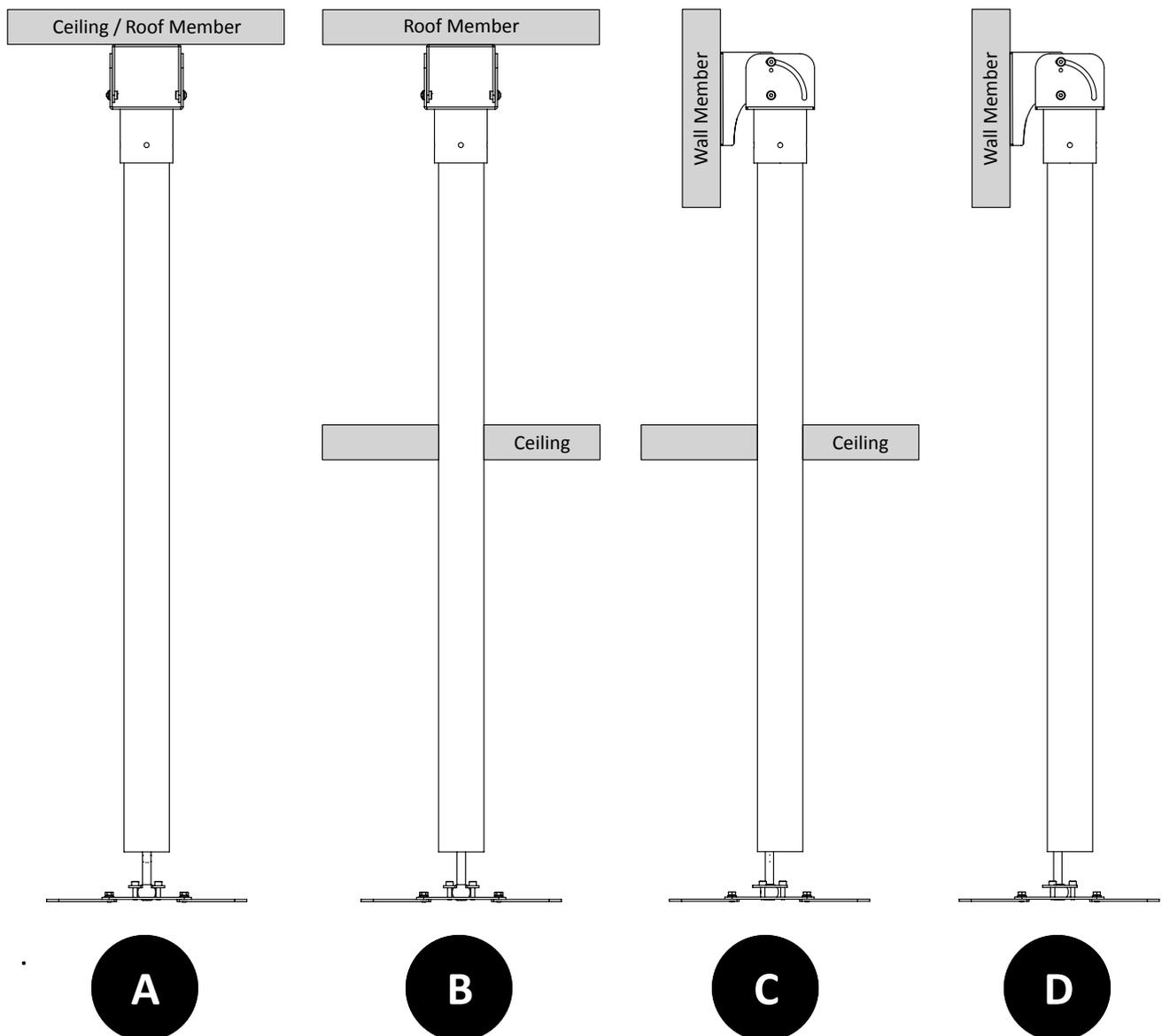
Spider 1200/3000 Diagram (2 of 2)



Installation Overview

The Spider 1200/3000 can be installed in a variety of configurations suitable for different environments. Please determine what configuration you will be using and follow the relevant instructions on the following pages.

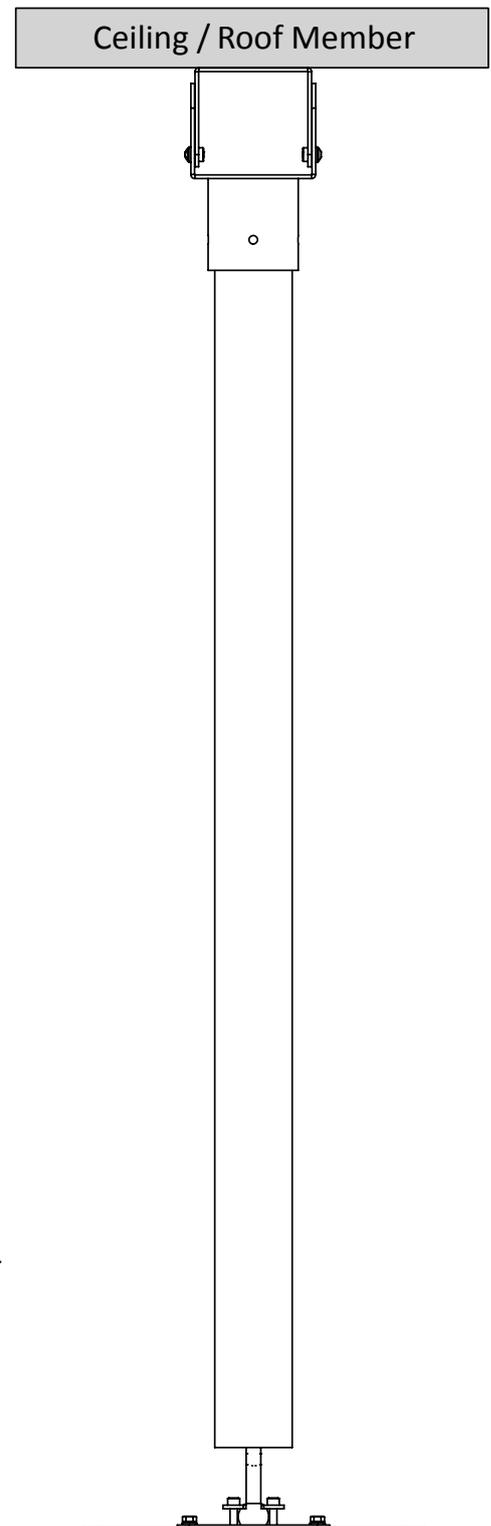
- **A: Ceiling Surface Mount Installation**
- **B: Ceiling Flush Mount Installation to Roof Member**
- **C: Ceiling Flush Mount Installation to Wall Member**
- **D: Wall Surface Mount Installation**



Installation Procedure A

This installation procedure is for a **Ceiling Surface Mount** configuration.

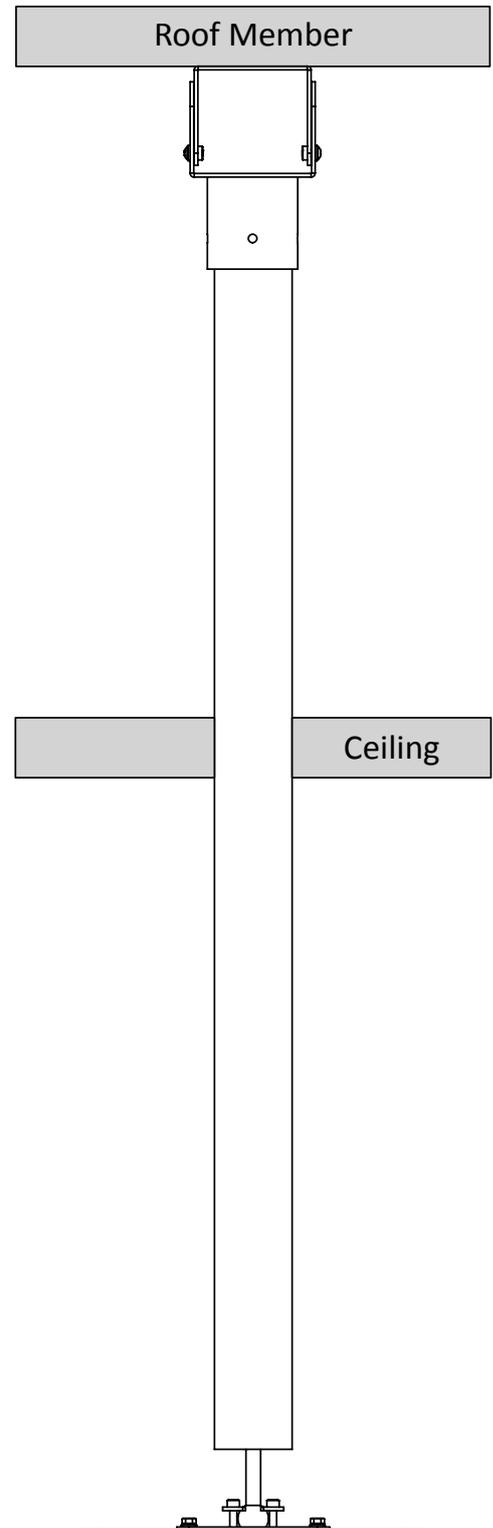
1. Determine where on the ceiling the Top Plate of the Spider 1200/3000 should be mounted.
2. Determine how far below the ceiling the projector needs to be mounted. The pole can be cut to size as required. Keep in mind the distance the projector will be from the projector screen, taking the throw of the projector into account.
3. Once you have located a suitable spot on the ceiling, you will need to detach the Pole Sleeve of the Spider 1200/3000 . Remove the screws holding the Pole Sleeve in place.
4. Use the Top Plate as a stencil and mark the ceiling or roof member with a pen or pencil in each of the three large holes. These holes will be drilled, so make sure they are accurate. Remove the Top Plate from against the ceiling.
5. Drill the three holes in the ceiling which were marked in Step 4. The diameter of the holes will depend on what fasteners you plan on using to fix the Top Plate to the ceiling. Use fasteners/screws appropriate to the type of ceiling you are fastening to (ie. Concrete, wood, etc)
8. Fasten the Top Plate to the ceiling using fasteners suitable for the ceiling you are attaching it to. Skip to **Page 16** and follow the steps there.



Installation Procedure B

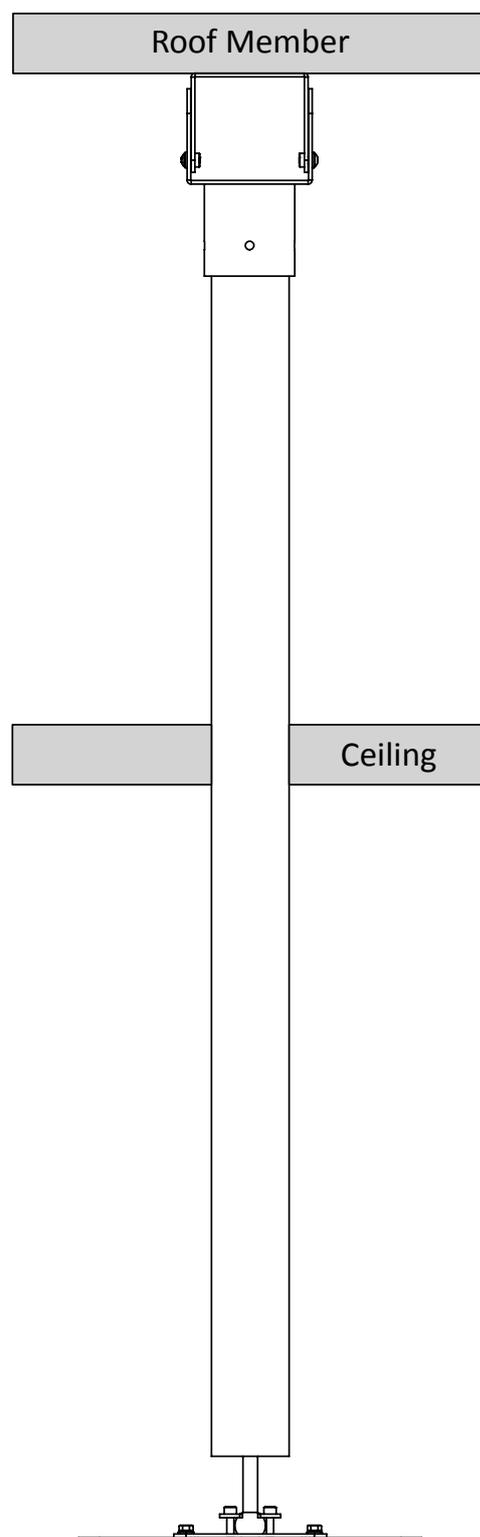
This installation procedure is for a **Ceiling Flush Mount Installation to Roof Member** configuration. For this procedure you will need access to the ceiling cavity.

1. Determine where on the ceiling the Spider 1200/3000 pole should punch through.
2. Once you have located a suitable spot on the ceiling, you will need to detach the Pole Sleeve of the Spider 1200/3000 from the Pole. Remove the screws holding the Pole Sleeve in place.
3. Determine from which point on the ceiling the Spider 1200/3000's pole should descend. You will need to locate a suitable roof member in the ceiling cavity where the Top Plate of the Spider 1200/3000 can be mounted. See the next step for details on how to do this.
4. Inside the roof cavity, locate a suitable roof member that is above the spot where the projector needs to be mounted. A surface of the roof member needs to be parallel to the ceiling itself (0 degrees); at an angle of 1 to 20 degrees to the ceiling, or at a right angle (ie. 90 degrees). Parallel to the ceiling is preferable as it eases installation. If such a roof member does not exist, you may want to consider using one of the alternative installation methods such as **Installation Procedure C**.



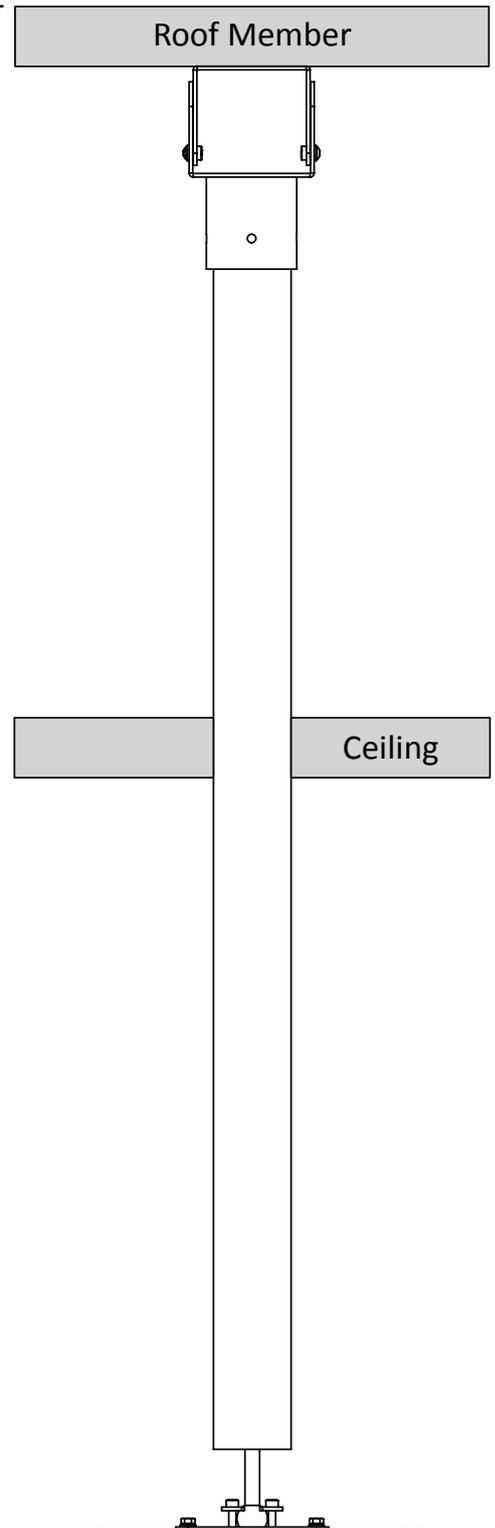
Installation Procedure B (Continued)

5. Once you have located a suitable roof member inside the ceiling cavity, place the Top Plate flush against the roof member, and mark the four holes using the Top Plate as a stencil. Remove the Top Plate from against the roof member.
6. The centre mark on the roof member is where the pole will extend down from. Drill out the three outer marks but not the centre mark.
8. Place the Top Plate back against the roof member, aligning the four dots marked in step 5 with the holes. Fasten the Top Plate with Pole Sleeve to the ceiling using fasteners suitable for the ceiling you are attaching it to.
9. Locate the spot on the inside of the ceiling which is located directly below the centre of Pole Sleeve. This will be the spot in the ceiling where you need to drill a hole for the pole to fit through. Mark that spot on the ceiling, so it is visible from inside the ceiling.
10. Draw a circle with a 65 or 70mm diameter with the spot on the ceiling as the centre of the circle. If you will be using a 70mm circle then you will need to re-plaster the hole in the ceiling after the Spider 1200/3000 is installed. Make sure you have drawn the circle in the right spot! Ultralift will not be held responsible for any issues arising from poor placement or installation of our products.



Installation Procedure B (Continued)

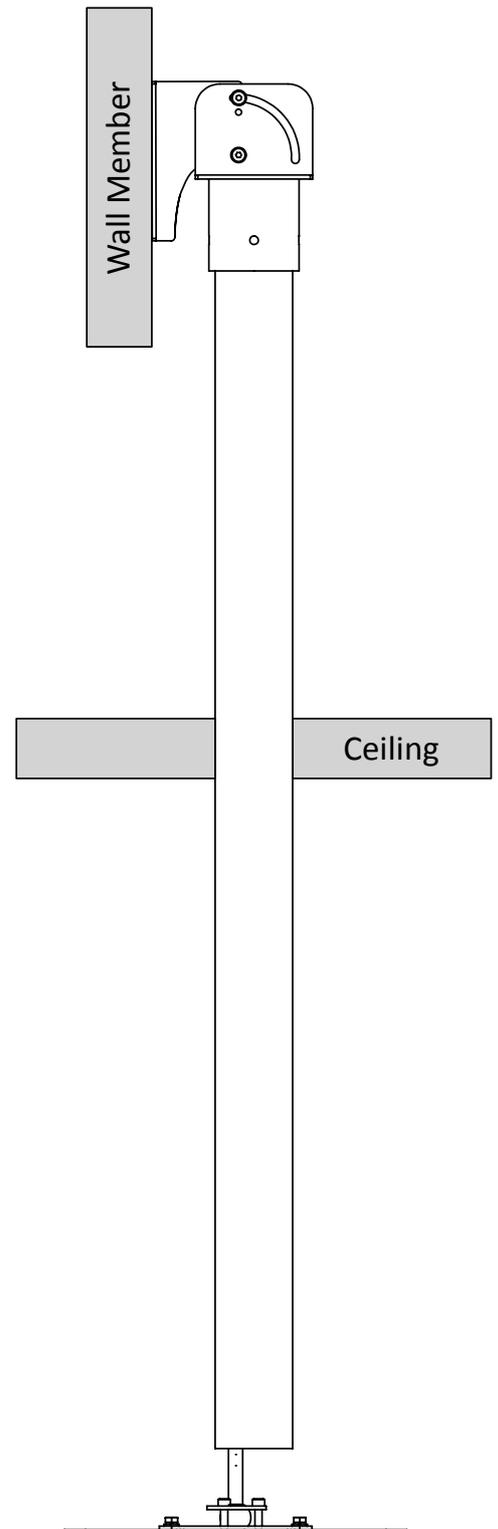
11. Cut out the circle in the ceiling. If you are uncertain if the circular hole is big enough, you may gently try to push the pole through the hole to see if the hole is big enough.
12. Determine how far below the ceiling the projector needs to be mounted. The pole can be cut to size as required. Keep in mind the distance the projector will be from the projector screen, taking the throw of the projector into account.
13. Skip ahead to **Page 16** and follow the steps there.



Installation Procedure C

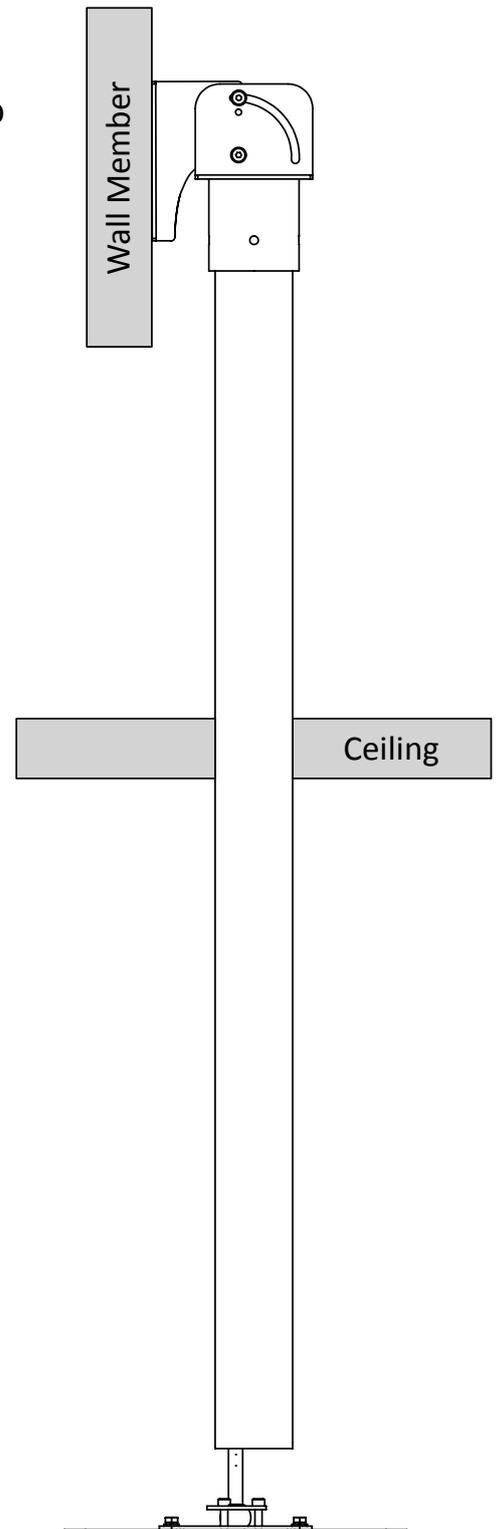
This installation procedure is for a **Ceiling Flush Mount Installation to Wall Member** configuration. For this procedure you will need access to the ceiling cavity where the Wall Member is located.

1. Determine where on the ceiling the Spider 1200/3000 pole should punch through.
2. Once you have located a suitable spot on the ceiling, you will need to detach the Pole Sleeve of the Spider 1200/3000. Remove the screws holding the Pole Sleeve in place.
3. Determine from which point on the ceiling the Spider 1200/3000's pole should descend. You will need to locate a suitable roof member in the ceiling cavity where the Top Plate of the Spider 1200/3000 can be mounted on the side. If such a wall member does not exist, you may want to consider using one of the alternative installation methods.
4. Once you have located a suitable roof member inside the ceiling cavity, place the Top Plate flush against the roof member, and mark the four holes using the Top Plate as a stencil. Remove the Top Plate from against the roof member and drill the three outer marks but not the centre mark.
5. Place the Top Plate back against the roof member, aligning the four dots marked in step 5 with the holes. Fasten the Top Plate to the ceiling using fasteners suitable for the ceiling you are attaching it to.



Installation Procedure C (Continued)

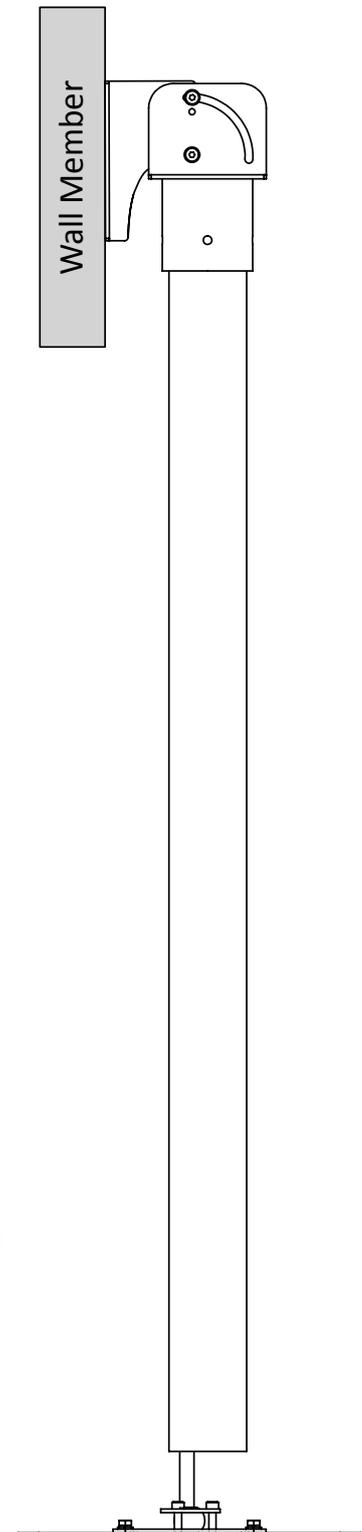
6. Locate the spot on the inside of the ceiling which is located directly below the centre of the Pole Sleeve. (which should be tilted at a 90 degree angle to the Top Plate which has been fastened to the side of the Roof Member). This will be the spot in the ceiling where you need to drill a hole for the pole to fit through. Mark that spot on the ceiling, so it is visible from inside the ceiling cavity.
7. Draw a circle with a 65 or 70mm diameter with the spot on the ceiling as the centre of the circle. If you will be using a 70mm circle then you will need to replaster the hole in the ceiling after the Spider 1200/3000 is installed. Make sure you have drawn the circle in the right spot! Ultralift will not be held responsible for any issues arising from poor placement or installation of our products.
8. Cut out the circle in the ceiling. If you are uncertain if the circular hole is big enough, you may gently try to push the pole through the hole.
9. Determine how far below the ceiling the projector needs to be mounted. The pole can be cut to size as required. Keep in mind the distance the projector will be from the projector screen, taking the throw of the projector into account.
10. Skip ahead to **Page 16** and follow the steps there.



Installation Procedure D

This installation procedure is for a **Wall Surface Mount** configuration.

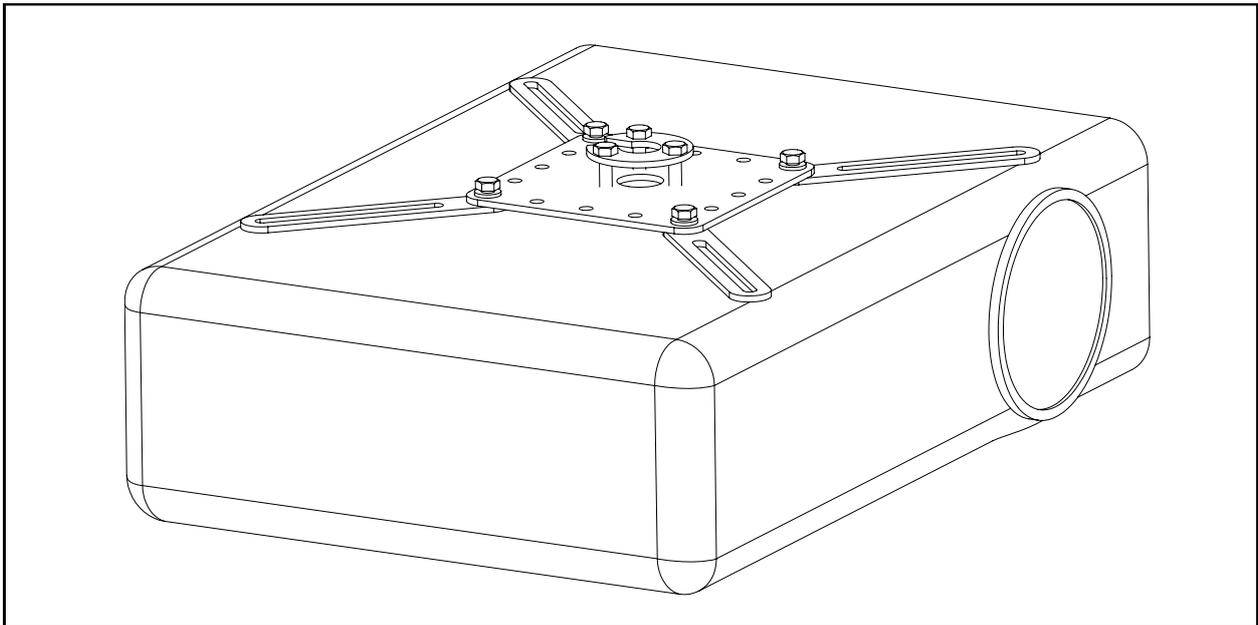
1. Determine where on the wall the Top Plate of the Spider 1200/3000 should be mounted. Determine how far down the wall the projector needs to be mounted on the pole. The pole can be cut to size as required.
2. Once you have located a suitable spot on the wall, you will need to detach the Top Plate and Pole Sleeve of the Spider 1200/3000 from the pole. Loosen the fasteners on the Pole Sleeve to do so.
3. Use the Top Plate as a stencil and mark the wall or wall member with a pen or pencil in each of the four holes. These holes will be drilled, so make sure they are accurate. Remove the Top Plate from against the wall or wall member.
4. Drill the four holes in the ceiling which were marked in the previous steps. The diameter of the holes will depend on what fasteners you plan on using to fix the top plate to the wall or wall member. Use fasteners/screws appropriate to the type of wall / wall member you are fastening to (ie. Concrete, wood, etc)
5. Fasten the Top Plate and Pole Sleeve assembly to the wall or wall member using four fasteners suitable for the surface you are attaching it to.
6. Skip ahead to **Page 16** and follow the steps there.



Installation Procedures A,B,C,D (Continued)

Mounting the Projector to the Spider 1200/3000

1. Loosen the three ball stud bolts (shown in “Close-Up B” on Page 7) until the ball stud can be removed from the slotted lock ring. Remove the ball stud from the lock ring through the slot in the lock ring. The bottom piece of the Spider 1200/3000 will be separated from the Pole.
2. Place the lower portion of the Spider 1200/3000 on top of the projector you are using. If the mounting holes on the projector do not line up with the Spider Arms, you may have to adjust the direction the Spider Arms are facing.



3. Fasten the Spider Arms to the projector using the mounting screws that came with the projector. If none were supplied with the projector, you will need to find suitable screws for your model and use them. You may need to use some of the Nylon Spacers included in the Spider 1200/3000 screw kit if the projector mounting holes are not level with the Spider Arms.

Installation Procedures A,B,C,D (Continued)

Cutting the Pole to Length (optional)

1. If the supplied pole is too long for the environment you are installing the Spider 1200/3000 into, you can cut it to the desired size by following these steps. If you are happy with the length of the pole, you can skip this page altogether.
2. Determine how much shorter the Pole needs to be. Write this down as you will need it later.
3. Remove the Pole from the Pole Sleeve. You may have to loosen and remove the two fasteners securing the Pole to the Pole Sleeve.
4. Once the Pole is Removed from the Pole Sleeve, measure and mark how much of the pole needs to be discarded, as covered in Step 2. Mark a line on the pole itself. Make sure the measurement is accurate.
5. Cut the Pole along the marked line, ensuring the cut is at a right angle to the length of the pole.

Reconnecting the Pole to the Pole Sleeve (optional)

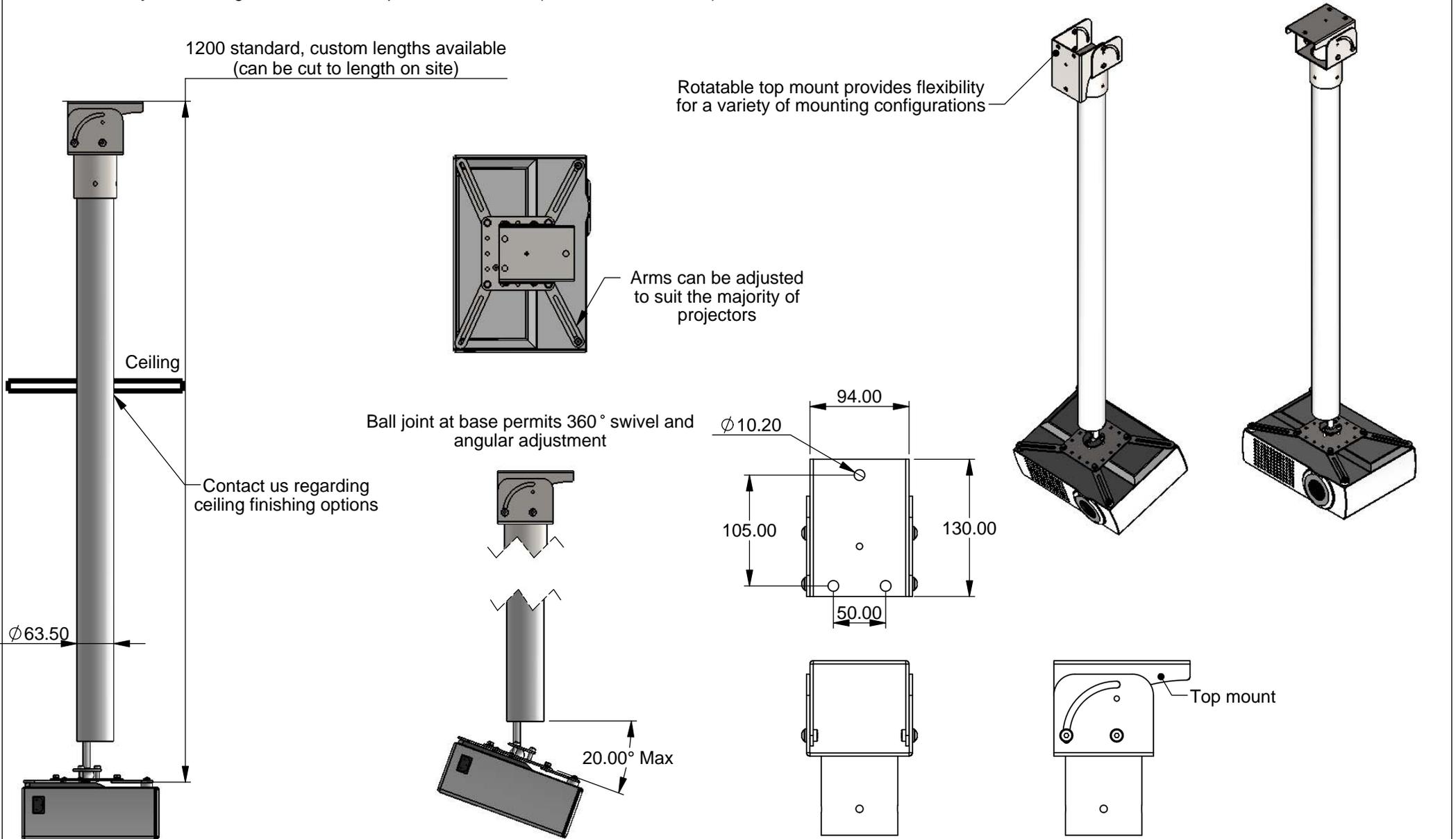
1. Insert the newly cut Pole back into the Pole Sleeve, and tighten the fasteners to secure the Pole to the Pole Sleeve.

Installation Procedures A,B,C,D (Continued)

Re-assembling the Spider 1200/3000

1. By this stage you should have the Spider 1200/3000 separated into three pieces:
 - The Lower Piece which is fastened to the Projector
 - The Pole Piece including the Ball Stud that connects to the Lower Piece.
 - The Top Plate and Pole Sleeve which is securely fastened to a Ceiling, Roof Member or Wall Member, depending on the configuration you have selected.
1. Reconnect the Pole to the Pole Sleeve by Inserting the Pole into the Pole Sleeve and tightening the fasteners. This will ensure the Pole Piece does not move or sway when the Lower Piece is attached.
2. Once the Top Plate, Pole Sleeve and Pole Piece are secured in place, take the Lower Piece connected to the Projector and slide the Ball Stud through the Slot in the Slotted Lock Ring (as shown in “Close-Up B” on Page 7).
3. If you have installed the Spider 1200/3000 in a flush configuration (Install Procedures B or C) you may wish to plaster any holes around the pole in the ceiling, or use an optional Ceiling Trim kit available from Ultralift.
4. Fasten the Lower Piece to the Pole Piece by tightening the three fasteners until the Ball Stud is securely fixed in place. This will ensure the Lower Piece attached to the projector does not move or sway. You may need to adjust the vertical pitch of the lower piece to point the projector at the Projector screen. Up to 20 degrees of pitch is possible by adjusting the Ball Stud. Fine tune the horizontal direction the projector is facing by turning Lower Piece clockwise.
5. Attach all required cables to the Projector by feeding them through the Pole.

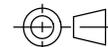
Dimensions subject to change. Please confirm prior to installation (all dimensions in mm).



ULTRALIFT AUSTRALIA PTY LTD
 10 VERNON AVE
 HEIDELBERG HEIGHTS VIC 3081
 Phone: +61 3 9459 0873
 Fax: +61 3 9457 6686
 Email: sales@ultraliftaustralia.com.au
 www.ultraliftaustralia.com.au

DIMENSIONS: MM
 LINEAR:
 ANGULAR:
 DO NOT SCALE
 AS1100-1992

DRAWN BY: SC
 DRAWN: 15/08/2012



SHEET: A4
 SCALE: 1:50

MATERIAL:	(Assembly)	SHEET: 1 of 1
FINISH:		REV:
DESCRIPTION:	Spider 1200	
DRAWING:	SDR-1200-00-	

Warranty and Returns Policy

At Ultralift Australia Pty Ltd, we take pride in the fact that our products are of the highest quality. Because of this, we offer the following programs to ensure your satisfaction.

ULTRALIFT 2 YEAR WARRANTY

1. The product is warranted for 24 months from the date of invoice. Subject to the conditions of this warranty, Ultralift Australia or an authorised installer will perform necessary service on the product without charge for parts or labour if, in the opinion of Ultralift Australia, the product is found to be faulty within the warranty period.
2. This warranty only applies to Ultralift Australia products when purchased from Ultralift Australia or from an authorised dealer.
3. This warranty only applies if the product has been installed and used in accordance with the manufacturer's recommendations (as noted in the instruction manual) under normal use and reasonable care (in the opinion of Ultralift Australia). The warranty covers normal domestic, commercial or educational use only. It does not cover damage, malfunction, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
4. If warranty service is required you should:
 - Contact your installer for advice on how to rectify the issue.
 - If this does not solve the problem please call Ultralift Australia on 61 3 9459 0873 for advice.
 - If the device requires service, return the product to Ultralift Australia for repair.
 - **Please Note:** Freight and insurance to and / or from the location of the device must be arranged by you. Please ensure that items returned are packed in an appropriate manner.
5. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product. This includes costs related to the mounting, de-mounting or re-mounting of any screen, (and any other ancillary devices), delivery, handling, freighting, transportation or insurance of the product or any part thereof or replacement to such installation, deinstallation, re-installation or transit.

Ultralift Australia Pty Ltd

Email: sales@ultraliftaustralia.com.au

Web: www.ultraliftaustralia.com.au

Phone: 61 3 9459 0873 **Fax:** 61 3 9457 6686

10 Vernon Ave, Heidelberg Heights VIC 3081 Australia



OUR HASSLE FREE RETURN PROGRAM

Our thirty day return program means you may return your purchase, excluding special orders and/or non stock products, to us should you be dissatisfied with your purchase within thirty days of receipt of the product. You must return the item(s) to us by 2nd day freight, insured for full value, with original packaging, documentation, all manuals and accessories. Freight charges, for delivery and return and related insurance charges, will not be refunded or credited. There will also be a restocking fee of 15% of the purchase price.

CONDITIONS OF RETURNED ITEMS

Do not write on the box. If the box is written on, the returned product will be refused. Be in the original shipping carton with all original packing material. Include all accessories in their original wrapping/packing material. The actual replacement cost for missing items will be deducted from your refund/credit. Include all manuals, warranty information and instructions. The actual replacement cost for missing items will be deducted from your refund/credit.

DEFECTIVE OR D.O.A. PROGRAM

In the case of defective or D.O.A. product(s), no charges will apply. Our Customer Service team must be notified within 30 days of your invoice date if there are any problems with any item(s) upon receipt. Defective or D.O.A. merchandise will be repaired and returned or exchanged for the same make or model.

FOR ITEMS DAMAGED DURING TRANSPORT

Ultralift Australia Pty Ltd endeavours to use reputable carriers, but occasionally shipping damage does occur. Resolving the problem of transit damage or loss depends on the cooperation of all parties. In the event of damage or loss it is imperative that you follow these guidelines:

1. Inspect all shipments upon arrival. If damage or loss is apparent upon delivery, do not accept the goods and do not sign for damaged or missing cartons. If you do accept the goods, keep all packing materials and boxes with the damaged product.
2. Immediately advise Ultralift Australia of all damages or problems with the delivery of goods.

REFUNDS

Established Account:

A full refund will not be issued if the purchaser's account has an open balance. A credit memo will be issued, and credit will be applied first to the invoice on which the products were purchased, then to any other open invoices on the account, beginning with the oldest invoice.

Credit Card / EFT:

All refunds for purchases made by Credit Card/EFT will be issued as a credit to that same account within a reasonable period of time after inspection of returned products.

Cheque:

All refunds for purchases paid by cheque, whether prepaid, C.O.D., or account, will be paid by cheque within a reasonable amount of time, after inspection of returned products.

Ultralift Australia Pty Ltd

Email: sales@ultraliftaustralia.com.au

Web: www.ultraliftaustralia.com.au

Phone: 61 3 9459 0873 **Fax:** 61 3 9457 6686

10 Vernon Ave, Heidelberg Heights VIC 3081 Australia



Legal Notice & Liability Disclaimer

By using the information in this manual, you agree to the following terms of use.

The information disclosed in this manual, including all designs and related materials, is the valuable property of Ultralift Australia Pty. Ltd. The information is subject to change at any time without notice. Ultralift Australia Pty. Ltd. reserves the right to amend, modify or replace these terms at any time and without further notice in future revisions of this manual.

Ultralift Australia Pty. Ltd. does not guarantee or warranty that the product will operate as described in all applications, environments and situations, such as those the product was not designed to operate in. The warranty provided with the product at the time of purchase covers the use of the product in some applications, environments and situations - those it was specifically designed for. (hereafter referred to as "Intended Use") The product(s) discussed in this manual are warranted in accordance with the terms of the Warranty Statement accompanying each product.

Every effort has been made to ensure that the information and content in this manual is accurate, up-to-date and reliable, but Ultralift Australia Pty. Ltd. and its subcontractors cannot be held responsible for inaccuracies, errors or omissions. Use of the product in accordance with information from this manual is undertaken solely at the installer's, dealer's and user's own risk. No warranty or guarantee is provided for this manual or the contents therein.

This product should only be installed by a qualified technician. Technicians are advised to take caution when installing this product, in accordance with the Safety Warning at the beginning of the manual. Persons, Installers, Technicians, Dealers, Tradespersons and other Persons installing this product take full responsibility for their own personal safety and wellbeing, as well as the safety and wellbeing of others in the immediate environment. Those installing this product agree not to hold Ultralift Australia Pty. Ltd. liable and responsible for death, injury, impairment or other health issues that may arise from installing this product, as far as is it lawful for Ultralift Australia Pty. Ltd. to do so under the laws of the State of Victoria, Australia and the Commonwealth of Australia.

All products, brands, or trade names used in this publication which are not the trademarks or registered trademarks of Ultralift Australia Pty. Ltd. are trademarks or registered trademarks of their respective trademark owners.

This agreement shall be governed by and interpreted in accordance with the laws of the State of Victoria, Australia and the Commonwealth of Australia.

THANKYOU FOR CHOOSING
**ULTRALIFT
AUSTRALIA**



Ultralift Australia Pty Ltd

10 Vernon Ave, Heidelberg Heights VIC 3081 Australia

Email: sales@ultraliftaustralia.com.au

Web: www.ultraliftaustralia.com.au

Phone: 61 3 9459 0873

Fax: 61 3 9457 6686

Member

