Copernicus
educational products

Assembly Guide
HAWM 2021 A

Check out our other products online at
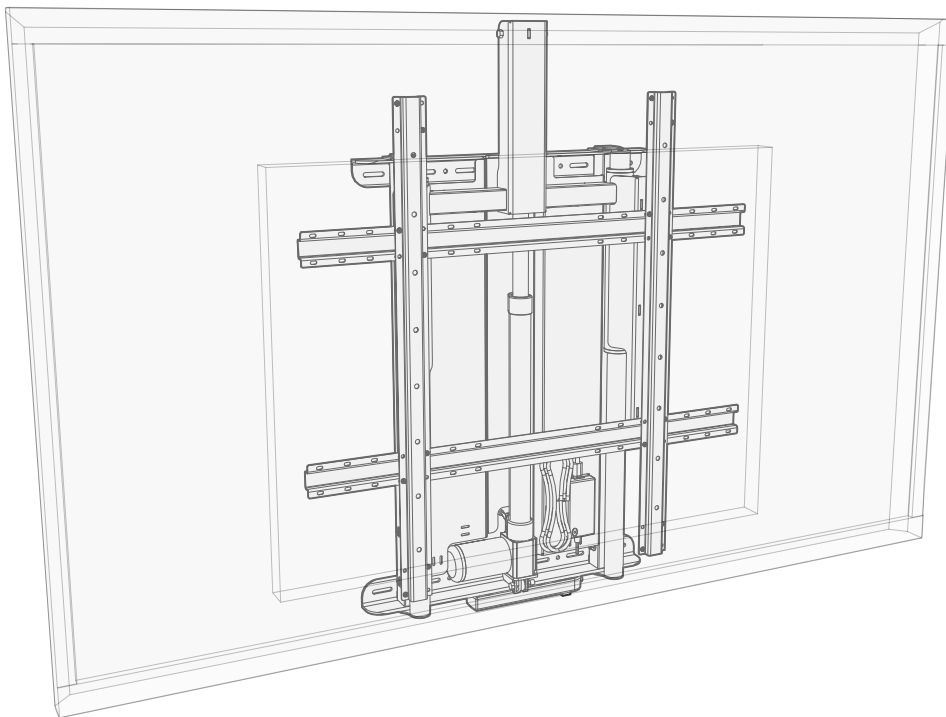**www.copernicused.com**

WARNING **!**
- **This product must be assembled by a qualified installer.**
- **In its unassembled state, small parts present a hazard.**
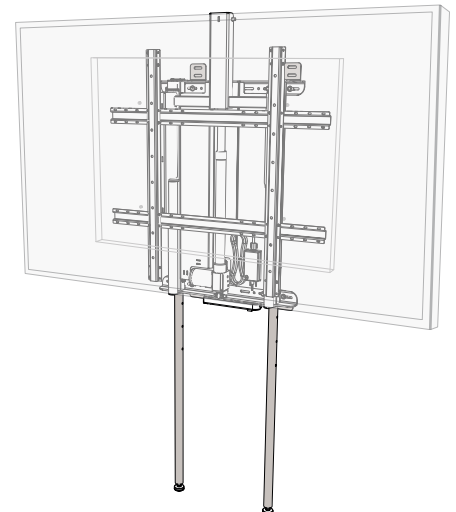- **To be used under direct supervision of an adult.**

! **NOTE:**
Wall mounting hardware is not included.
Installer must supply wall mounting hardware as specified in this guide.
The following instructions are for mounting to concrete or cinder block walls.

Shown with 75" Flat Panel
(sold separately)

Optional floor standing/
wood stud mounting kit
(HAWM-AC1)

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Assembly Guide
HAWM 2021 A

Check out our other products online at
www.copernicused.com

For assistance, please contact us:

1-800-267-8494
Email info@copernicused.com
Have your packing slip ready for reference

Dear Educator,

Thank you for purchasing the Height Adjustable Wall Mount. We hope it meets all your expectations and you and your students enjoy using it in your school.

If you have any questions, concerns or ideas on how we can improve please let us know by contacting our Customer Solutions Ninjas at 1-800-267-8494 or info@copernicused.com.

Happy teaching,

Kaylyn Belcourt
President

We do not inherit the earth from our ancestors, we borrow it from our children.

NORTH AMERICAN PROVERB

Change is the end result of all true learning.

LEO BUSCAGLIA

What you leave behind is not what is engraved in stone monuments, but what is woven into the lives of others.

PERICLES

Education is the most powerful weapon which you can use to change the world.

NELSON MANDELA

Lifetime
Frame Warranty

Register your Product
Registering your warranty ensures we have all the information we need to make any future warranty claims quick and easy. Please visit *www.copernicused.com/warranty* and complete the form within 10 business days from product assembly. By registering your product, you will be entered into a draw to win Copernicus product.

Lifetime
Power Strip Warranty

Make a Warranty Claim
We offer a Lifetime Warranty on almost everything we make. Please call *1-800-267-8494* or email *info@copernicused.com* to start your warranty claim. Proof of purchase will be required upon warranty claim (i.e. copy of invoice).

5 Year
Electric Lift Warranty

Warning! Hazard Risks!

Please read the warnings below for important safety information regarding your product. Failure to read these warnings or to follow the instructions below could result in personal injury or damage to your product that could void your warranty.

No Maintenance

This product does **NOT** require maintenance. Repairs should only be performed by authorized personnel. Please contact customer service (see p.7) if repairs are required.

Small Parts

In its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.

Adult Supervision

This product is to be used under the supervision of an adult.

Climb Hazard

Do not climb on, hang from or suspend objects from any components of your product unless otherwise specified.

Indoor Use Only

This product is intended for indoor comercial use only. To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. The internal components are not sealed from the environment.

Power Strip Specifications

Read your power strip electrical specifications. Only plug in devices that are approved for use with this power strip. Connect the supplied power strip directly to a wall outlet. **Do not connect to another power strip or use an extension cord.** Unplug when not in use. Turn off power strip before unplugging.
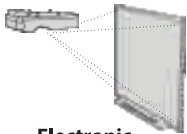
Electronic Equipment

Read the electrical specifications of any electronic equipment you are using with your Copernicus products. Failure to read these specifications and follow their instructions could result in damage to your equipment or personal injury.

Cable Trip Hazard

Ensure that any cables extending across the floor to your product are properly bundled and marked to avoid tripping or falling which may lead to personal injury.

Electrical Shock

Do not install or use the electrical components of this unit during a lightning storm.

⚠ Warning! Important Safety Instructions!

When using an electrical furnishing, basic precautions should always be followed, including the following:

Read all instructions before using this product.

DANGER - To reduce the risk of electric shock:

1.Always unplug this furnishing from the electrical outlet before cleaning.

WARNING - To reduce the risk of burns, fire, electric shock, or injury to persons:

1.Unplug from outlet before putting on or taking off parts.

2.Close supervision is necessary when this furnishing is used by or near children

3.Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

4.Never operate this furnishing if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged. Contact customer service for examination and repair.

5.Keep the cord away from heated surfaces.

6.Do not use outdoors.

"WARNING: Risk of Electric Shock - Connect this furnishing to a properly grounded outlet only. See Grounding Instructions."

Grounding Instructions:

This product is for use on a nominal 120-volt circuit and has a grounding plug that looks like the plug illustrated to the right. Make sure that the product is connected to an outlet having the same configuration as the plug. No adapter should be used with this product.
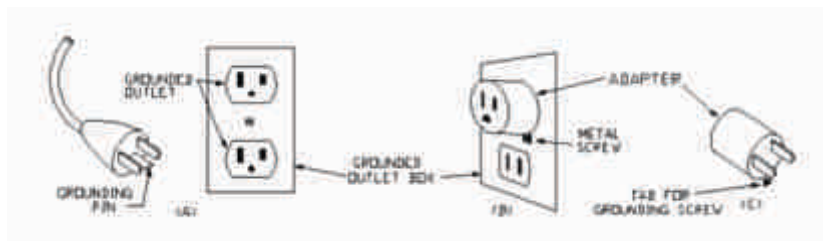
"WARNING", "Risk of Electric Shock, Fire, and Injury", "Review the assembly instructions to confirm that the appropriate critical components and accessories are being used with the furnishing."

Save These Instructions!

Height Adjustable Wall Mount

Before beginning, you should have:

Additional tools required:

| Adjustable wrench **2x** OR 9/16" Wrench **2x** | Screwdriver **1x** | Level **1x** | Hammer Drill **1x** | 3/16" Masonry Bit **1x** |
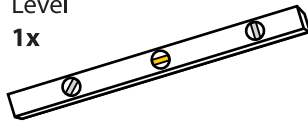
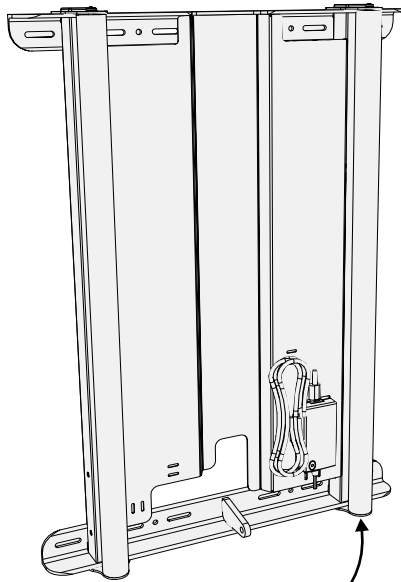### HAWM-0

Main Frame
1x

Slide Tube
(attached to Main Frame)
(33169)
2x

PRE INSTALLED HARDWARE

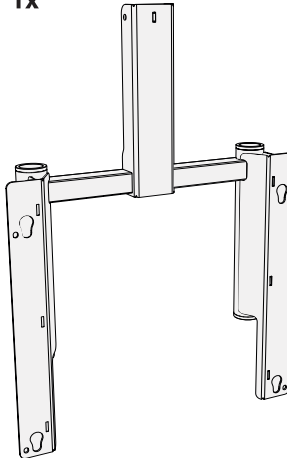(A) 1/4-20 x 1-1/2" Pan Head Screw
4x
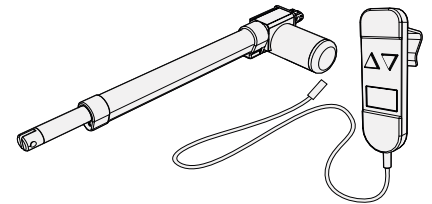(43006)

(H) 1/4-20 Lock Washer
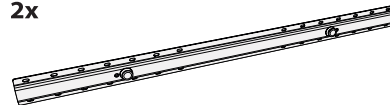**4x** (4 of 8)
(43010)

HAWM-1

Moving Frame
1x

Electric Lift w/ Remote,
(adapter not shown),
(25525)
1x

Flat Panel Mount Stretcher
(33148)
2x

Flat Panel Mount Riser
(33149)
2x
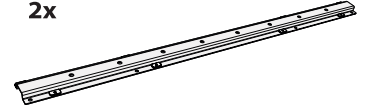
Power Strip
(25515)
1x
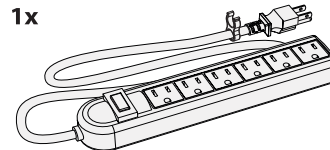
Remote Hanger Bracket
(34099)
1x
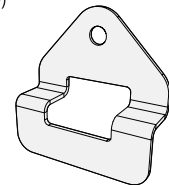
Velcro Strip - 8"
x3

Velcro Strip - 4"
x2

Height Adjustable Wall Mount
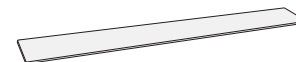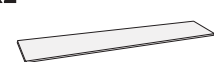
Before beginning, you should have:

Additional Hardware Required:

Concrete Screw
10x

MIN

1/4"
(6.4mm)

1-3/4"
(44mm)

MAX

1/4"
(6.4mm)

2-1/4"
(57mm)
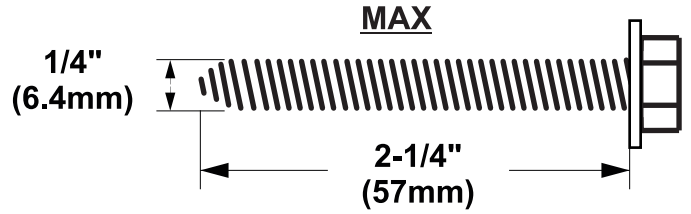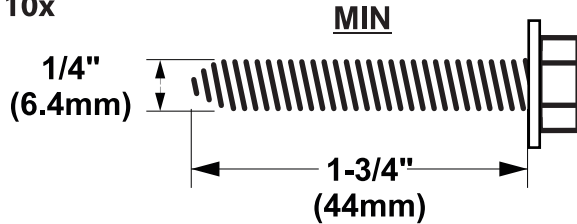
Concrete screw minimum specifications (per fastener):
Shear - 200lbs (91kg)
Tension - 150lbs (68kg)

Hardware packed inside Box labeled "HAWM-1"

Hardware
Actual Size

(B) 3/8-16 x 1-3/4 Hex Head Bolt
1x
(430204)

(C) 3/8-16 x 3-1/2 Hex Head Bolt
1x
(43313)

(D) #10-24 x 1/2" Self Tapping Screw
8x
(4302012)

(E) 1/4" x 3/4" Self Tapping Screw
4x
(4300510)

(F) 3/8-16 Lock Nut
2x
(430122)

(N) 3/4" Spacer
4x
(4303141)
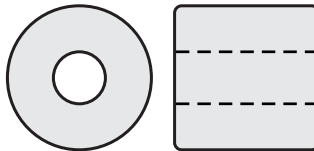
(O) M8 x 40mm
4x
(432762)
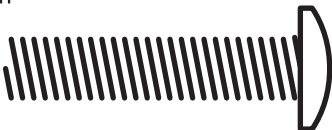
(G) #10-24" Lock Washer
8x
(4301002)

(H) 1/4-20 Lock Washer
4x (4 of 8)
(43010)

(I) 5/16" Lock Washer
4x
(43025)

(J) M6 x 15mm VESA Screw
4x
(432151)

(K) M6 x 20mm VESA Screw
4x
(43222)

(L) M8 x 15mm VESA Screw
4x
(432764)

(M) M8 x 25mm VESA Screw
4x
(432765)

Tips for Assembly

Watch for These Helpful Symbols

This symbol denotes a 2-Person Task. For safety, please ensure that there are the suggested number of people working on steps displaying this symbol.

2-Person Task

Watch for this symbol throughout the Assembly Guide. Wherever you see it, pay close attention. The symbol denotes a step needing extra attention to ensure it is done correctly.

The star symbol highlights an advisory note.

Before You Begin

- Lay out and identify all of the included parts.

- The hardware has been packed together in one bag.

- Read the assembly guide over once to familiarize yourself with them.

! Please note that in its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.

As You Assemble the Unit

- Follow the steps in sequence.

- Before beginning each step, find the part(s) that you need for that step.

- Pay attention to the labels on the parts; they are there to help direct you at certain stages.

- The title of each step states what you will be doing. Review the text and the pictures as you build the unit.

Customer Service - FAQ's

For missing parts and other issues regarding the mount:
Please call Copernicus Customer Service, where we will be happy to help.
1-800-267-8494. Monday - Friday 8:00am - 4:30 pm EST.
OR
Email our Tech Support Service at vanessa@copernicused.com

My Flat Panel isn't working, who should I call?
Please call the reseller that you bought the product from first (reseller information can be found on your packing slip).

Need Tech Support?
Have a Question?

Check out some of our
other great products!

Email our Tech Support Service
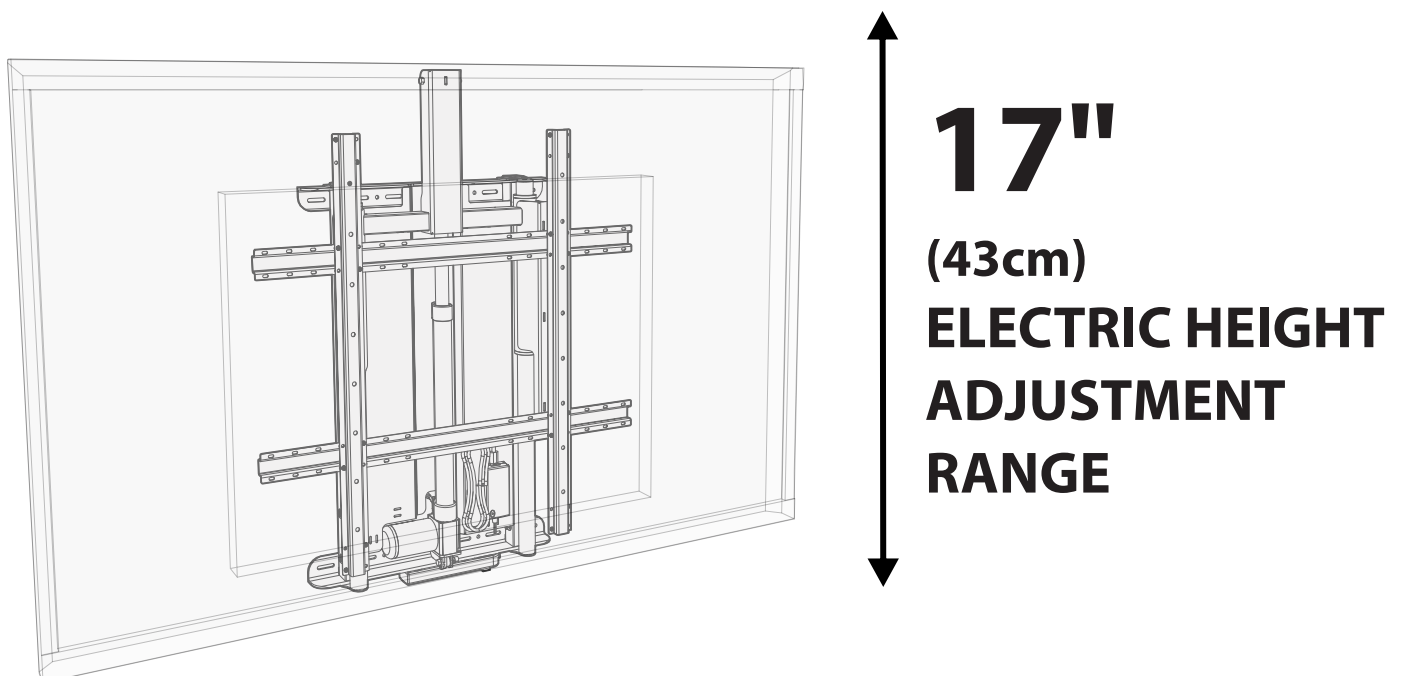
www.copernicused.com

Product Specifications

Maximum supported screen size and screen weight

86"
(218cm)
MAX SCREEN SIZE

250lbs
(113kg)
MAX SCREEN WEIGHT

Height adjustment range
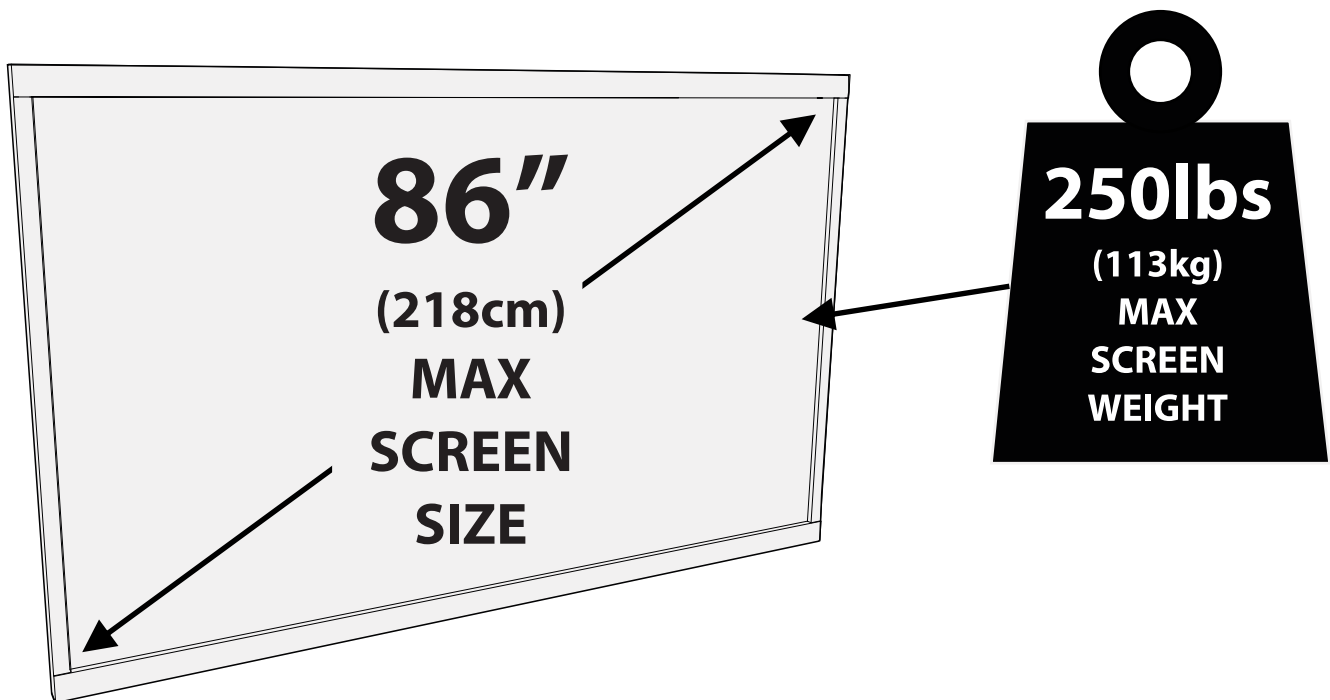
17"
(43cm)
ELECTRIC HEIGHT ADJUSTMENT RANGE

Product Specifications

Dimensions

Fully Raised Position

44.3"
(112.4cm)

57"
(145.1cm)

17"
(43.2cm)

48"
(121.8cm)

Fully Lowered Position

Minimum height above floor:
69.0" (175 cm)
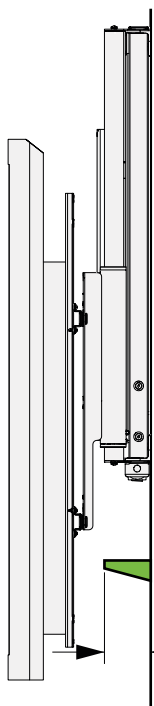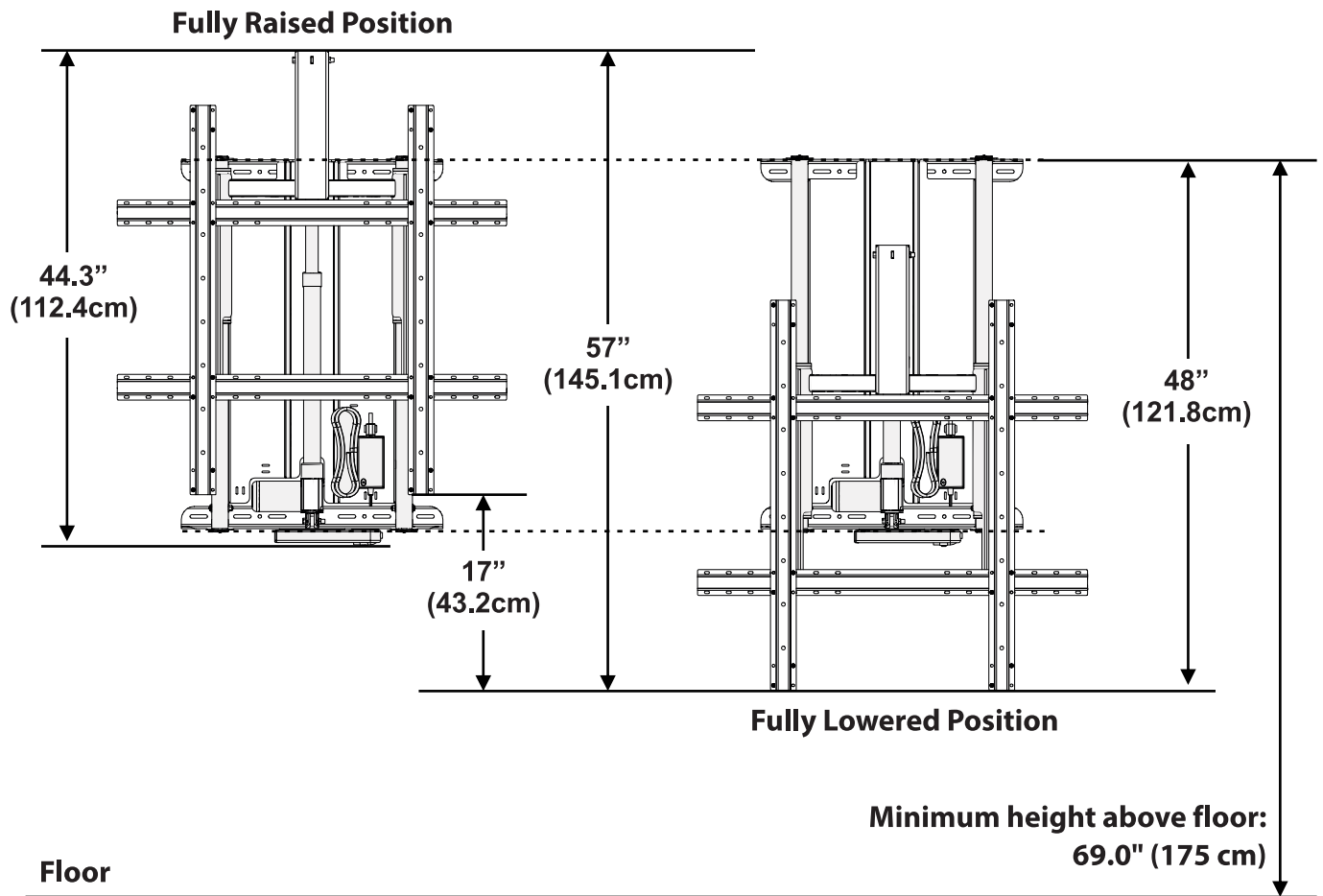
Floor

! **WARNING:**
The bottom edge of the flat panel must be
20" (50.8cm) or more off the floor when
the HAWM is in the fully lowered position!

! **WARNING:**
Do not mount the HAWM over a marker
ledge that is deeper than 3-3/8" (86mm)

Max Marker Ledge Depth: 3-3/8" (86mm)

Mounting to a concrete or cinder block wall
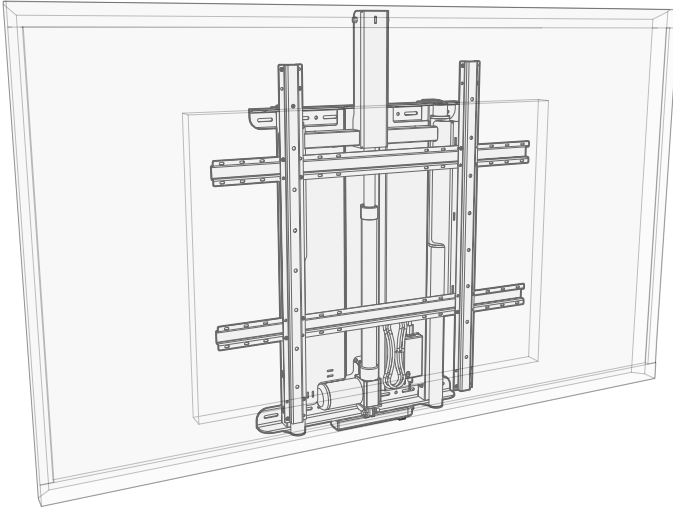
If you are mounting the HAWM to a concrete or cinder block wall please follow these assembly instructions all the way through.

Mounting to a wood stud wall
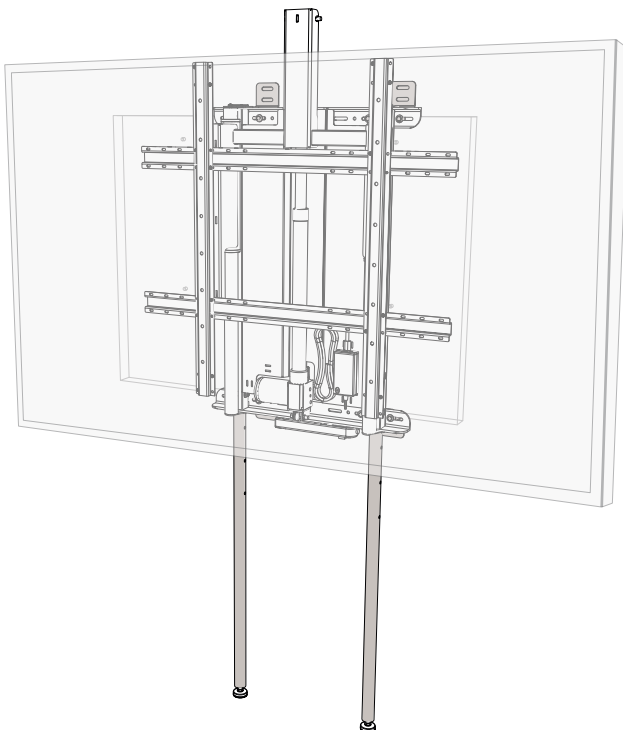
If you are mounting the HAWM to a wood stud wall please follow these instructions to STEP 6 then continue using the instructions included with the Stud Mounting Kit (HAWM-AC1).

1

Actual Size:

REMOVE THESE PARTS FROM MAIN FRAME (SHOWN BELOW)

(A) **4x**

(H) **4x**
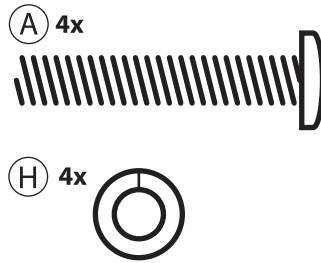
You will need: (Not to Scale)

Moving Frame
1x
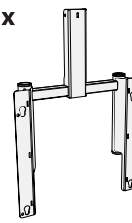
Slide Tubes
(attached to Main Frame)
2x

Screwdriver
⊕ Phillips
#2 or #3

Insert Slide Tubes into Moving Frame

1. Remove Slide Tubes from Main Frame

KEEP ALL PARTS AND HARDWARE FOR UPCOMING STEPS
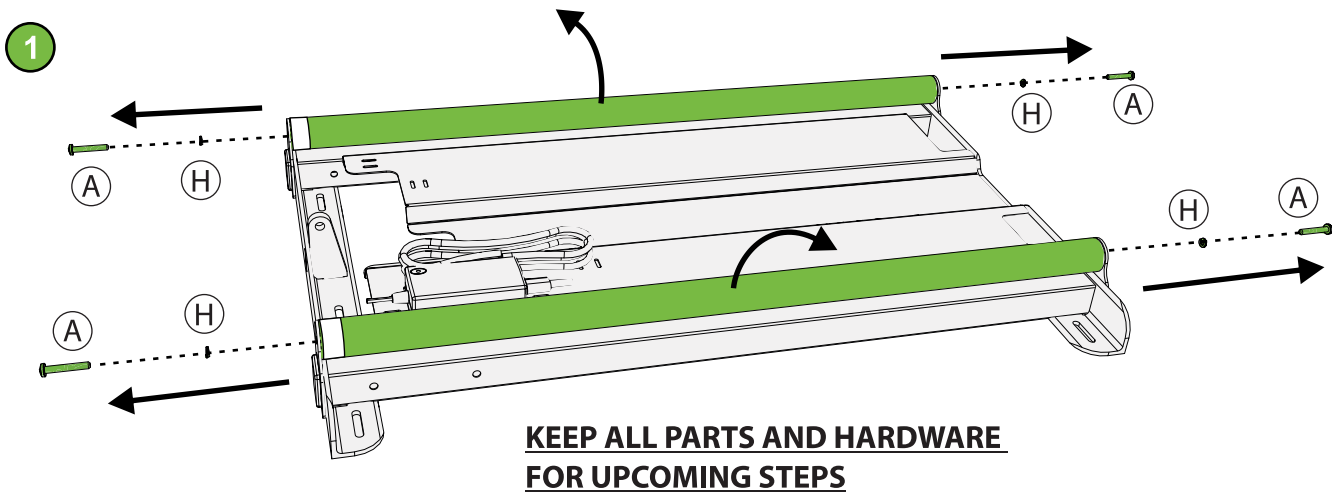
2. Lay Moving Frame down on table or floor

3. Insert end of Slide Tubes WITHOUT LABEL into bottom end of Moving Frame

4. Push Slide Tubes in until flush with top of Moving Frame

Label
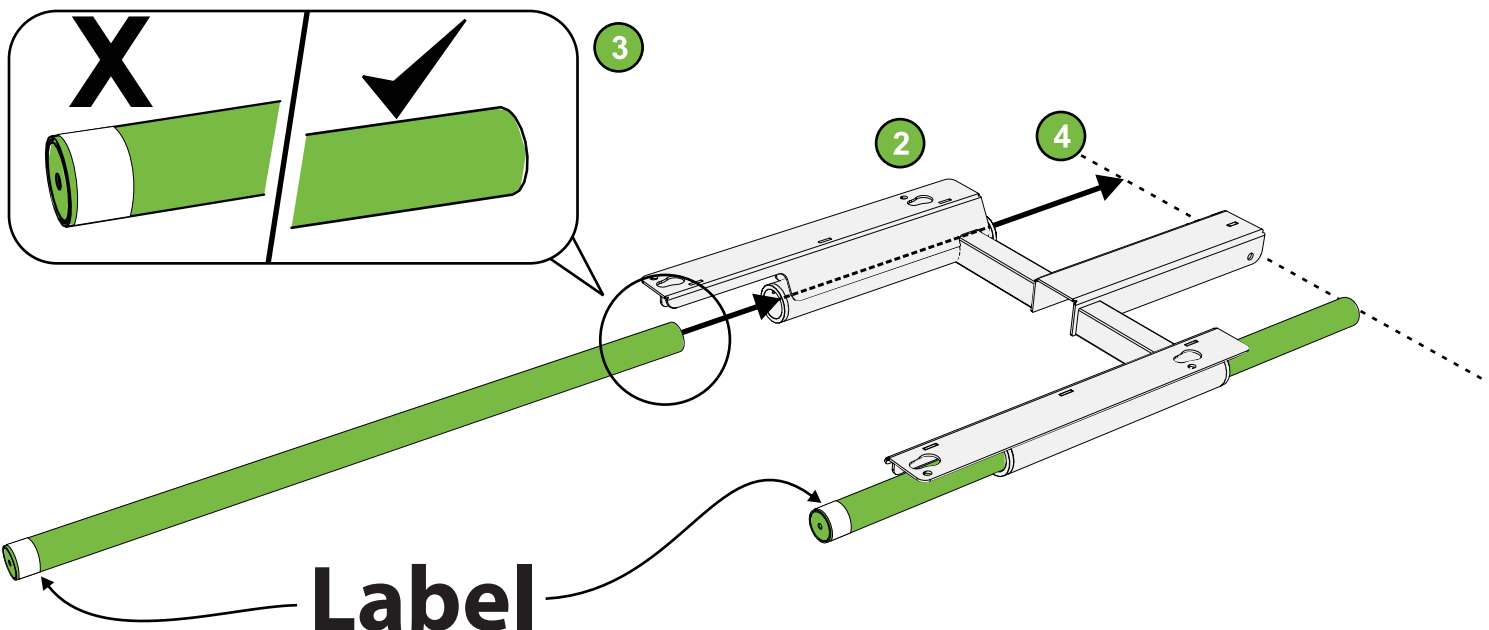
2

2-Person Task

Actual Size:

PARTS REMOVED FROM MAIN FRAME (PREVIOUS STEP)

A 4x

H 4x

You will need: (Not to Scale)

Screwdriver

Phillips
#2 or #3

Install Moving Frame Assembly from previous step onto Main Frame

12

Version A - Released September 7, 2021 - Copernicus Educational Products Inc.
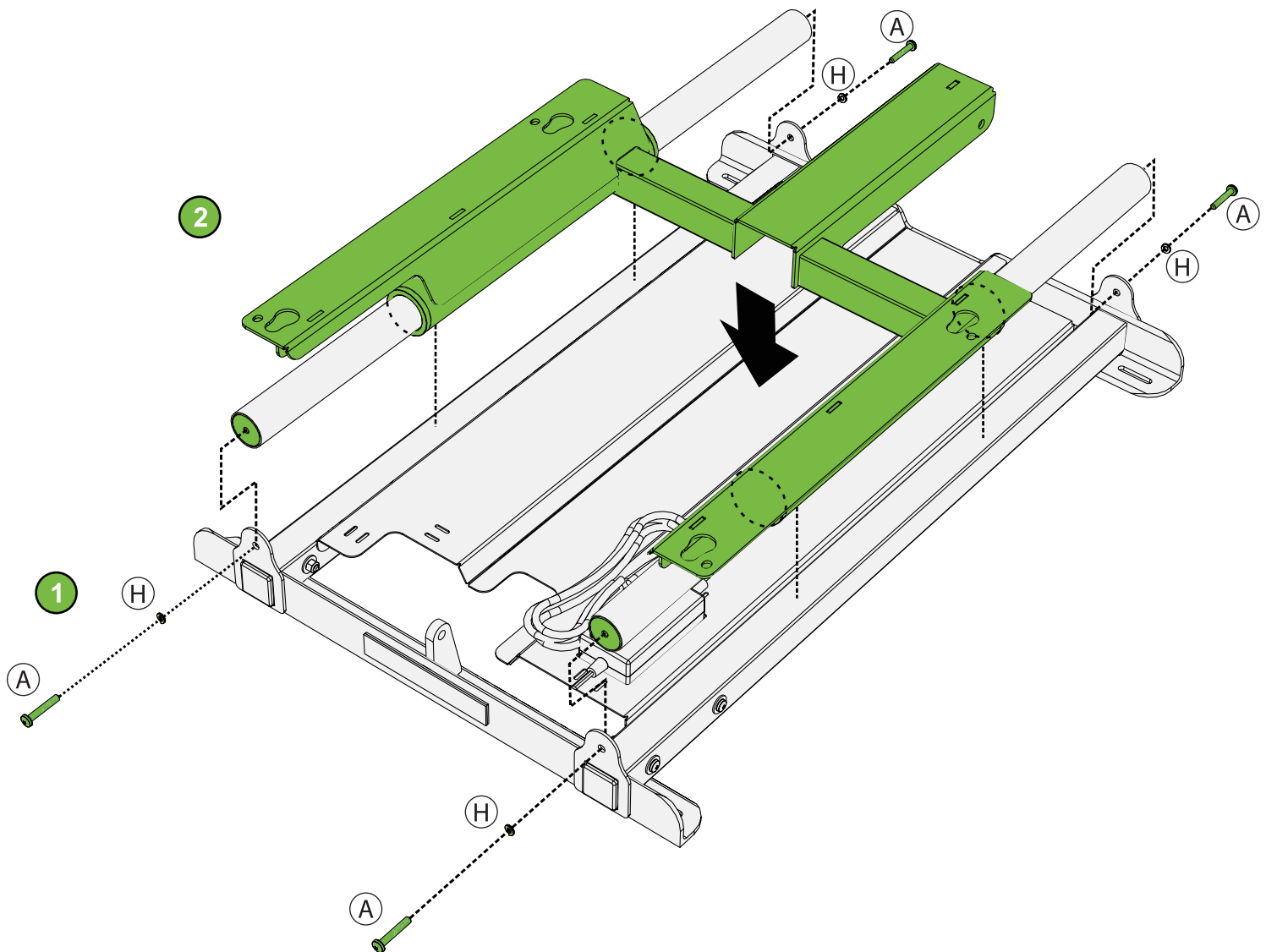
3

Actual Size:

B 1x

F 2x
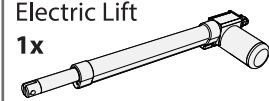
C 1x

Install Electric Lift onto Frame Assembly

Slide to adjust
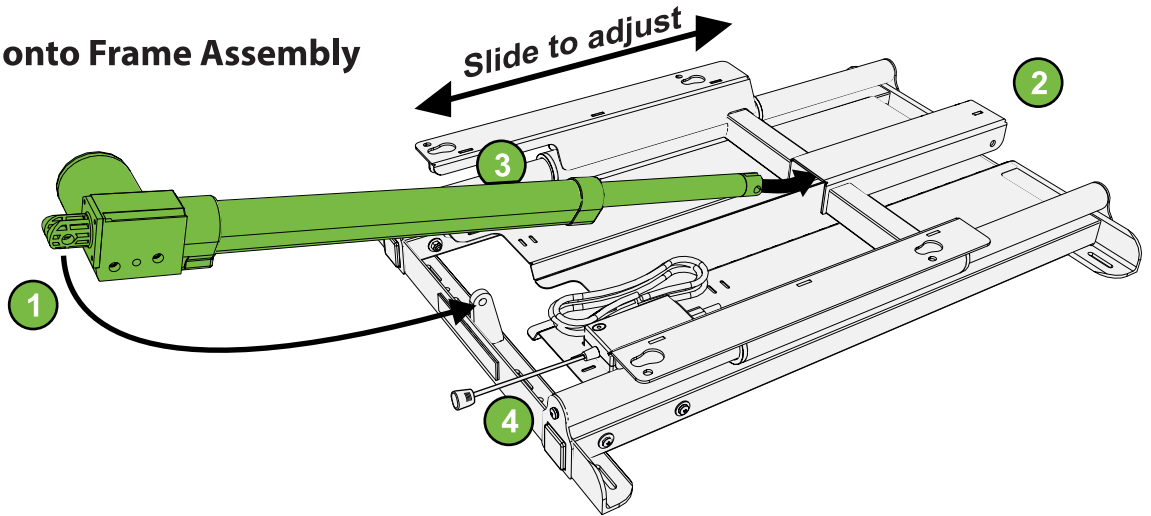
1 Fasten bottom of Electic Lift to Frame
Route cables under Electic Lift as show
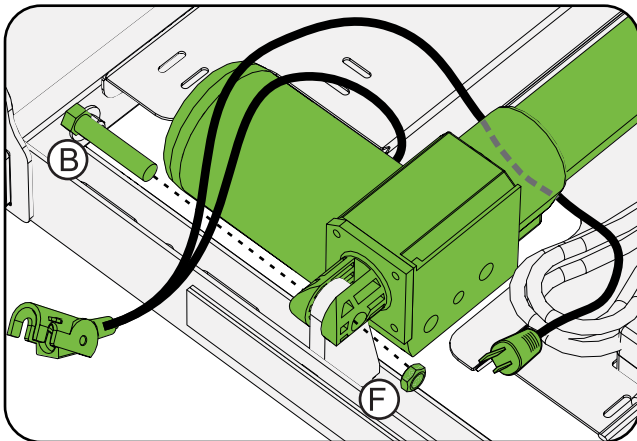
2 Fasten top of Electic Lift to Frame
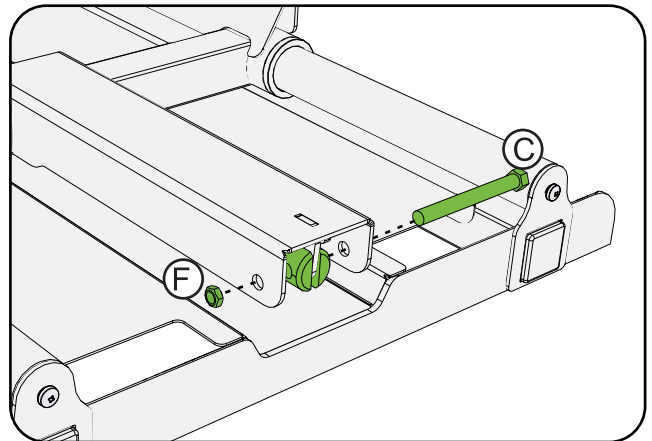
3 Connect Electric Lift to Power Adapter and
secure excess cable under Velcro strap
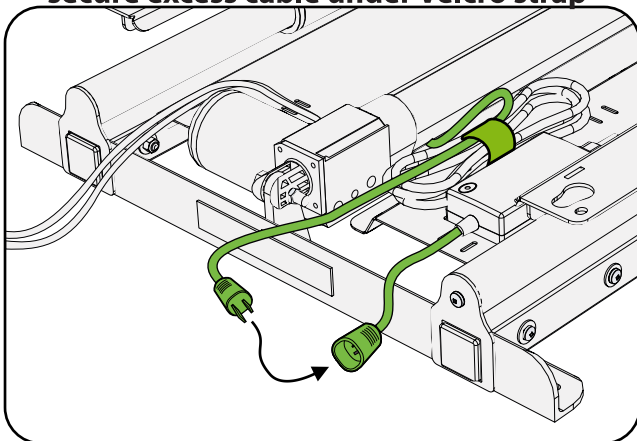
4 Secure cables to frame, wrapping
Velcro strips through provided slots

Velcro Strip - 4"
x2

You will need: (Not to Scale)

6-Outlet Power Strip
x1
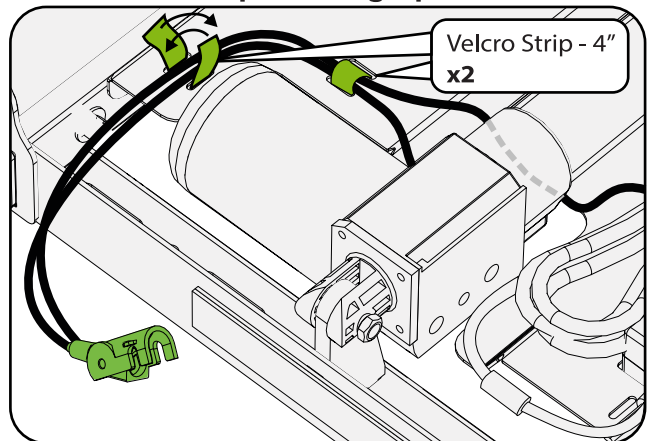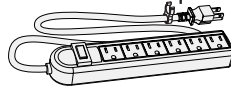
Setup and Test Electric Lift

1 **Lay the HAWM down on a table or floor near a wall outlet (within 6')**
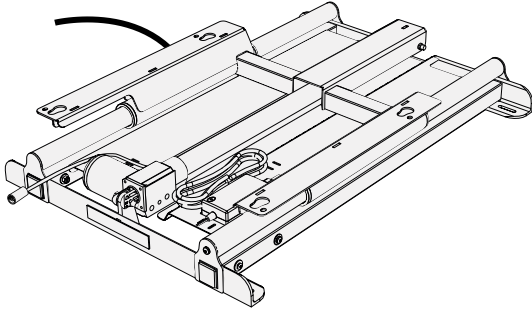
2 **Peel clear film off of hook and loop strip and press power strip against adhesive to secure in place**
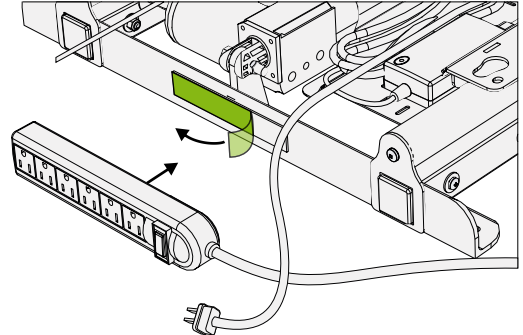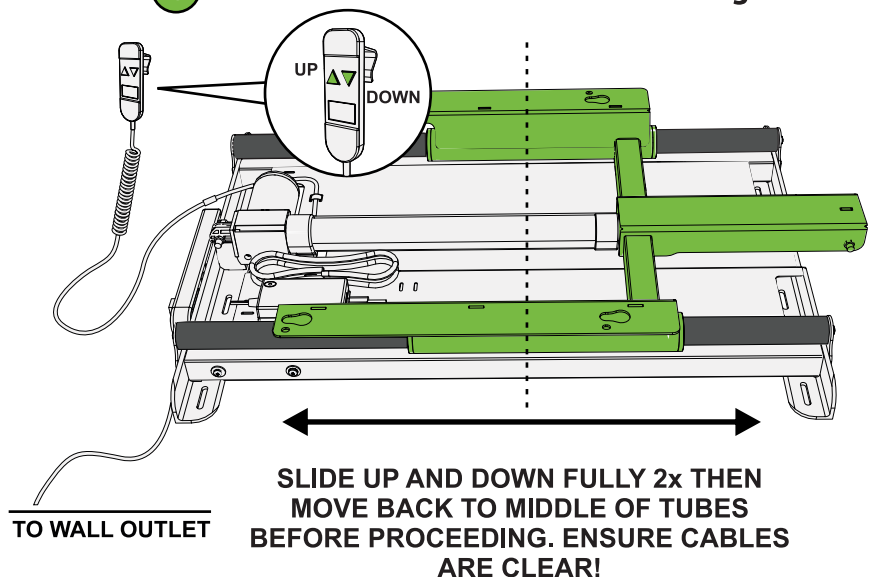
3 **Plug in the electric lift power adapter**
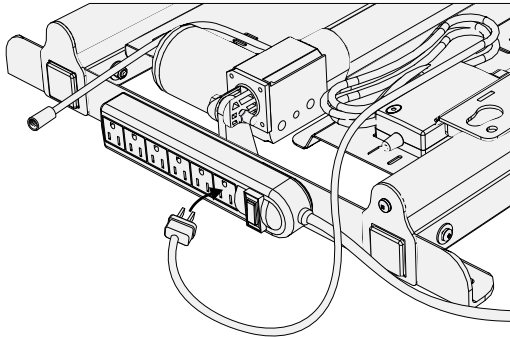
4 **Connect Electric Lift Remote**

B

A
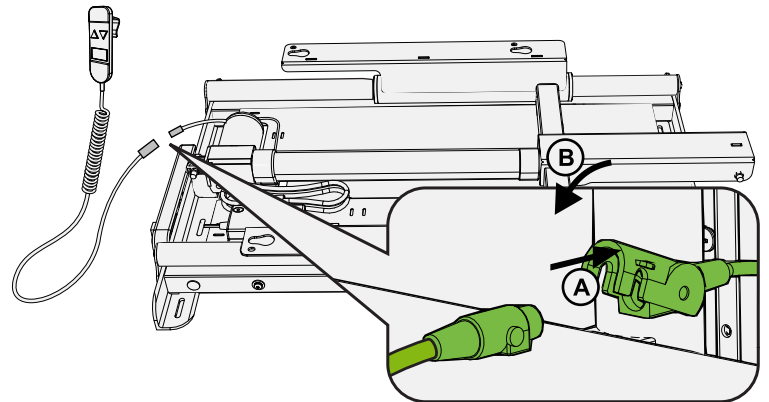
5 **Plug in and turn on the power strip**
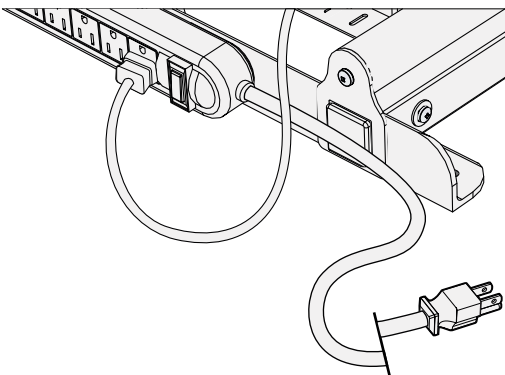
6 **Test Electric Lift before wall mounting**

UP
DOWN

TO WALL OUTLET

SLIDE UP AND DOWN FULLY 2x THEN MOVE BACK TO MIDDLE OF TUBES BEFORE PROCEEDING. ENSURE CABLES ARE CLEAR!

If there is any binding, shaking or excessive vibration when testing the lift, please contact our customer support team for assistance (see pg.5)
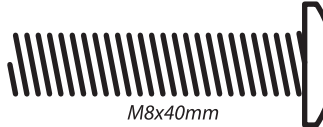
5

Actual Size:

H 4x

I 4x

M6x15mm J 4x
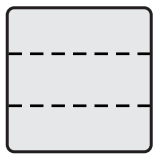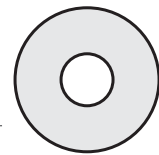
M6x20mm K 4x
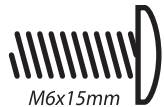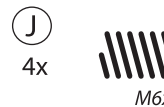
M8x15mm L 4x
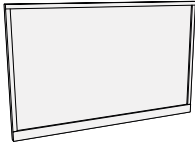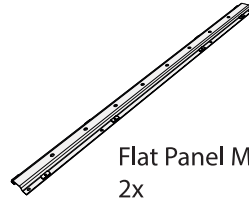
M8x25mm M 4x

M8x40mm O 4x

N 4x

You will need: (Not to Scale)

Compatible flat panel
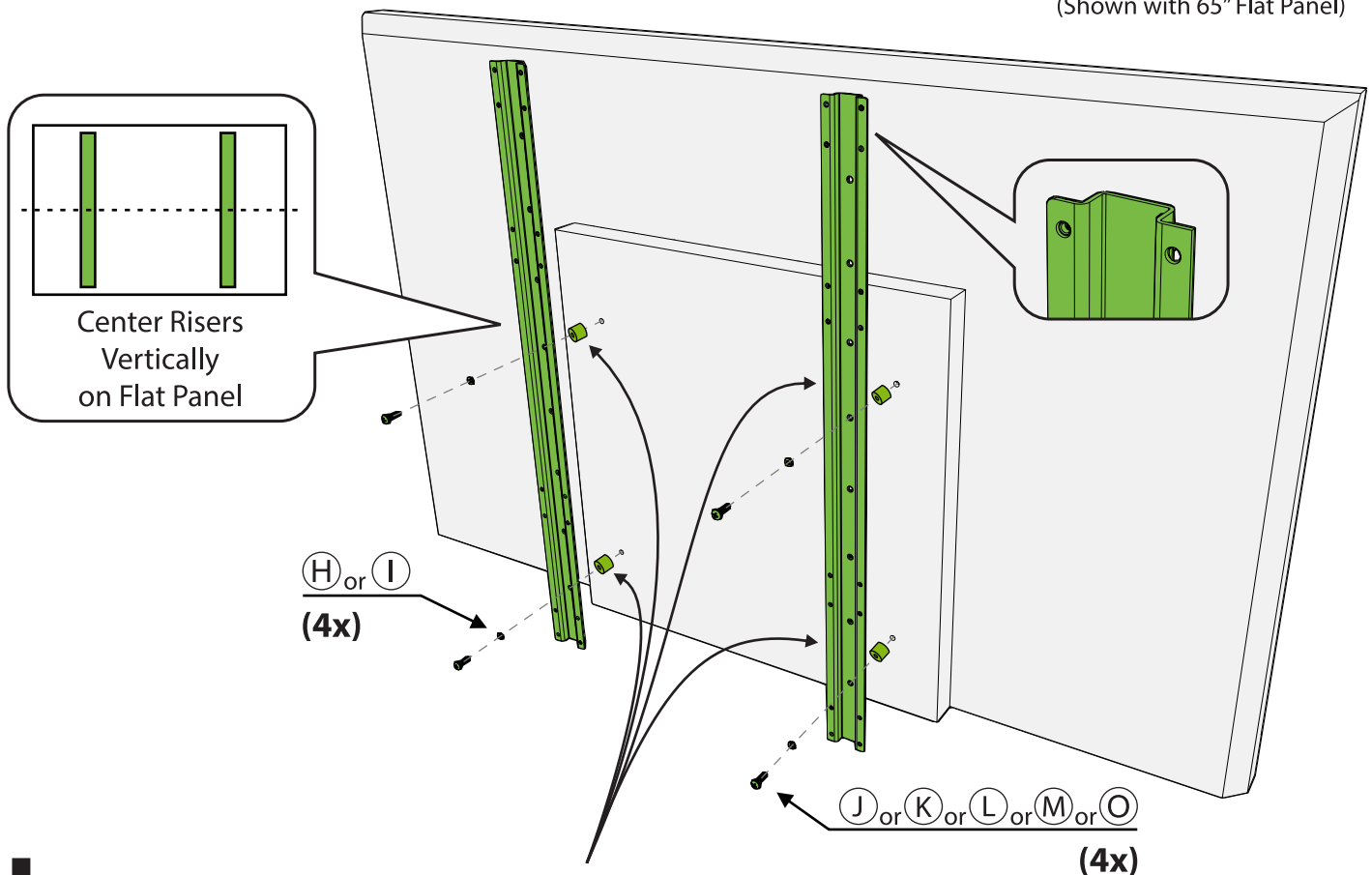(sold separately)
1x

Flat Panel Mount Riser
2x

Screwdriver
Phillips #2 or #3

Attaching Your Flat Panel Mount Risers

! Check your flat panel owners manual to determine correct VESA screw size and torque specifications to avoid causing damage to your flat panel.

(Shown with 65" Flat Panel)

Center Risers
Vertically
on Flat Panel

H or I
(4x)

J or K or L or M or O
(4x)

! For TVs without a flat back (Ex. Promethean) use the provided 3/4" spacers and longer screws. Install spacers <u>between mount and TV</u>.

O 4x

N 4x
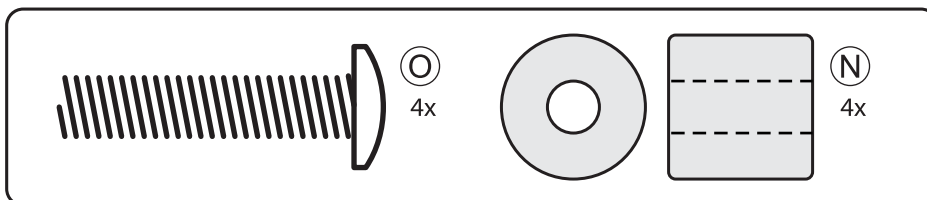
Actual Size:

D
8x

G
8x

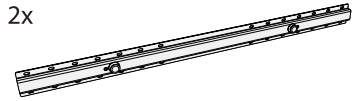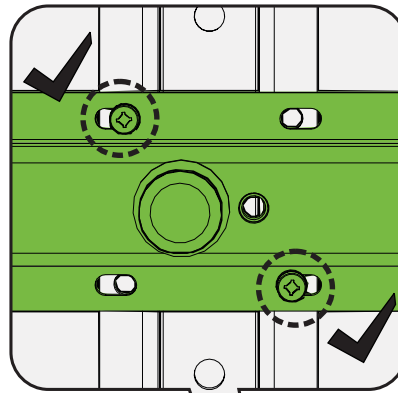You will need: (Not to Scale)

Screwdriver

⊕ Phillips
#2 or #3

Flat Panel Mount Stretcher
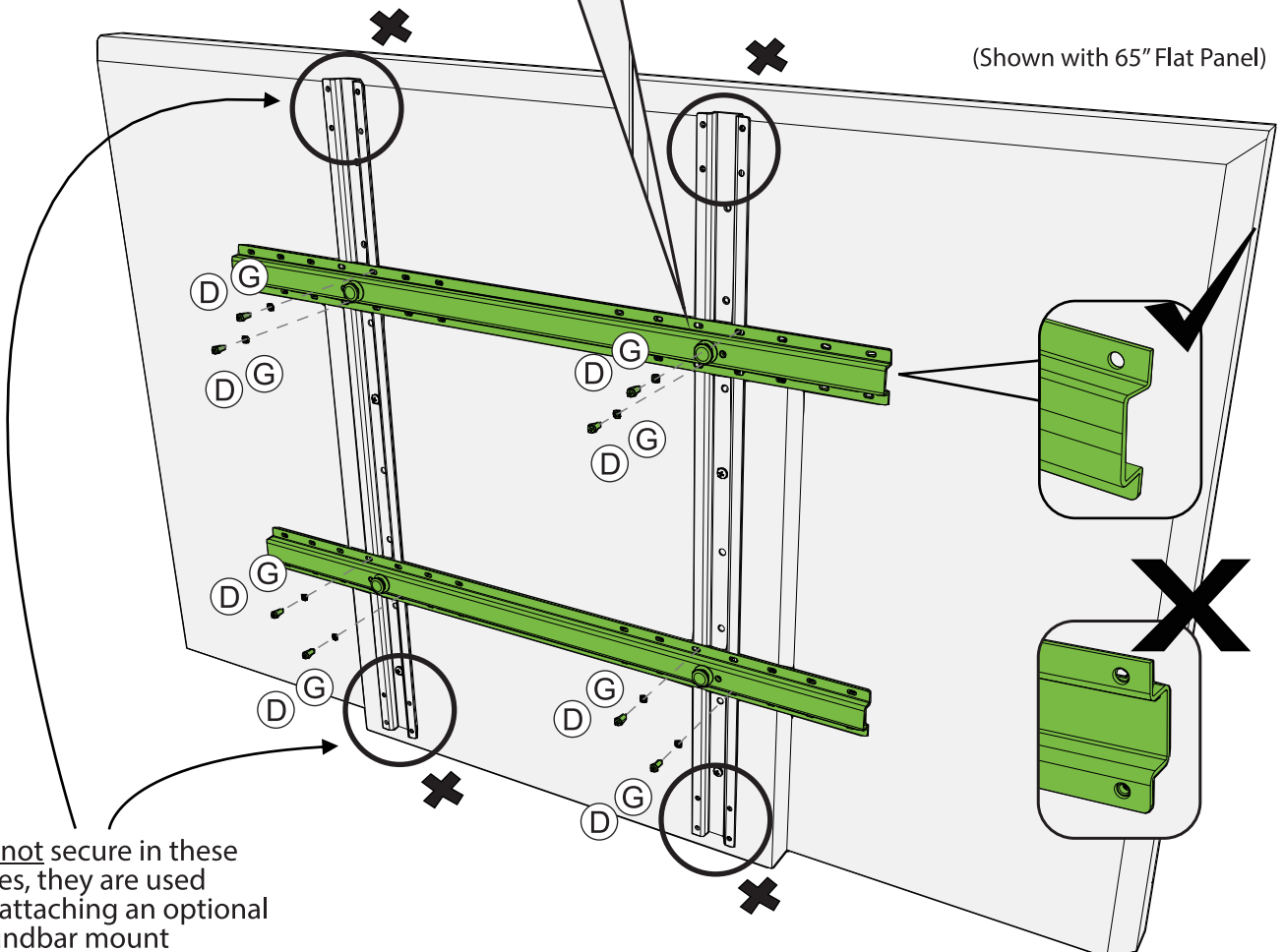2x

Install Flat Panel Mount Stretchers

! Install screws in two threaded holes

(Shown with 65" Flat Panel)

D G
D G
D G

D G
D G

D G
D G

D G

D G

! <u>Do not</u> secure in these holes, they are used for attaching an optional soundbar mount
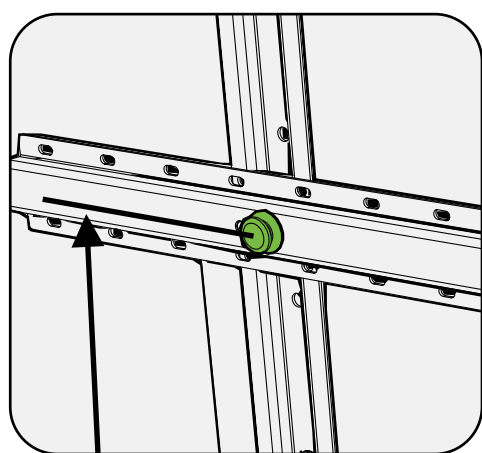
★ DETERMINE THE MOUNTING HEIGHT

The next two steps will walk you through determining the best mounting height for your Height Adjustable Wall Mount. Please complete each step carefully to ensure the best result.
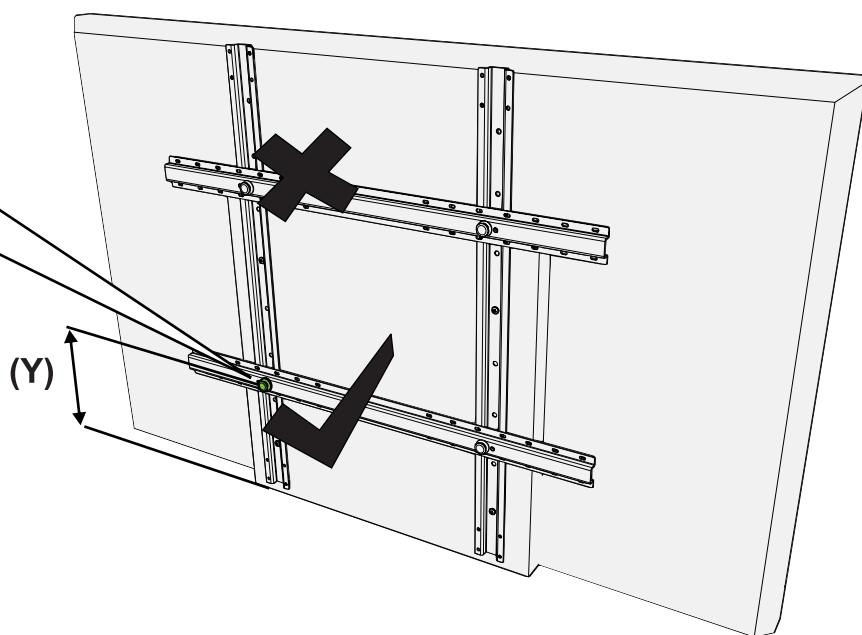
7

Determine the (Y) value for your flat panel
Measure the distance from the bottom of the Flat Panel to the lower keyhole adapter

Lower Keyhole Adapter

(Y)

Record the value for (Y) here _____

★ **Use the value for (Y) to calculate the mounting height in the next step.**

8 Bottom of flat panel must be minimum 20" off the floor when HAWM is in fully lowered position
Ensure the top of the flat panel will not contact the ceiling when in the highest raised position
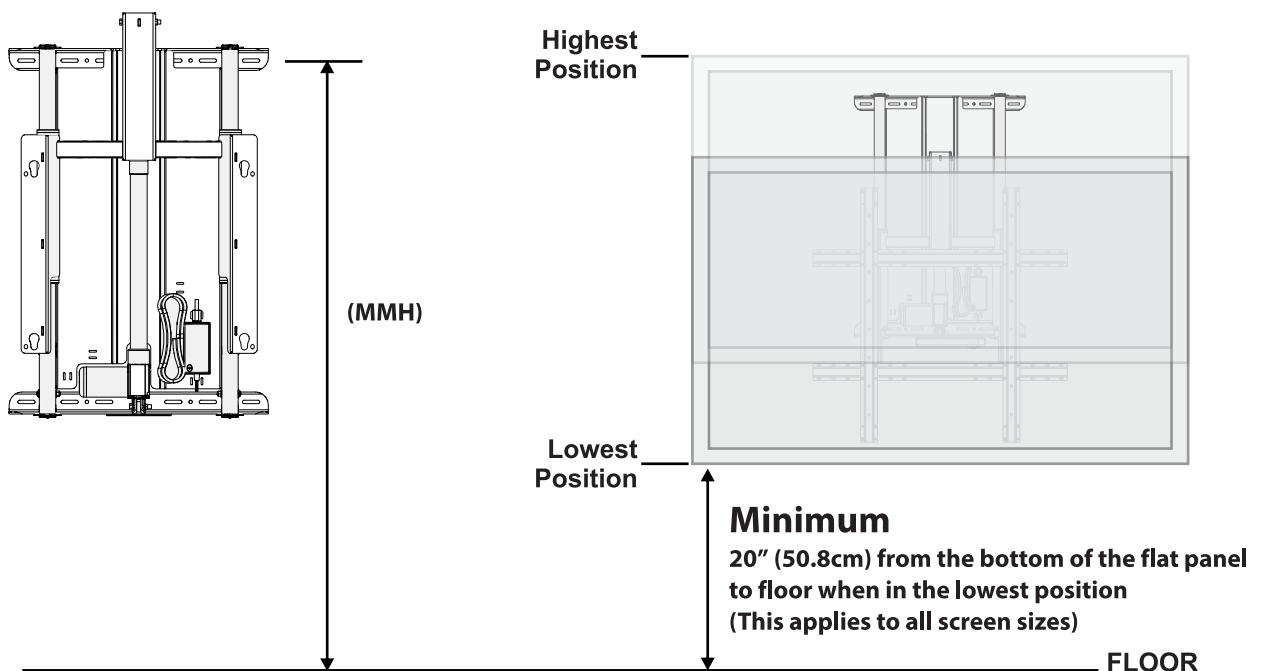
Determine the minimum and maximum mounting height of your HAWM

- Calculate the minimum mounting height (MMH)
- Calculate the recommended maximum mounting height (MRMH)
- Record the minimum and maximum mounting height (use it in the next step)

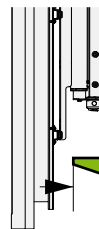| Minimum Mounting Height (MMH)				
(Y)	+	58in (147cm)	=	(MMH)
	+	58in (147cm)	=	
Maximum Recommended Mounting Height (MRMH)				
AGE RANGE	(MMH)	+	Max Increase	=	(MRMH)
4yr (JK-Gr3)		+	2"	=	
8yr (Gr4-Gr6)		+	4"	=	
12yr (Gr 7 +)		+	6"	=	

⭐ For mounting in a common area with mixed ages (such as in a Library) mount the flat panel to accommodate the youngest users.

(MMH)

Highest Position

Lowest Position

Minimum
20" (50.8cm) from the bottom of the flat panel to floor when in the lowest position
(This applies to all screen sizes)

FLOOR

NOTE:
Do not mount HAWM over a marker ledge that is deeper than 3-3/8" (86mm)

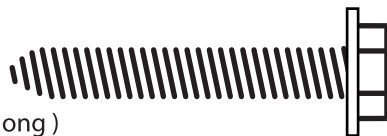**Max Marker Ledge Depth: 3-3/8" (86mm)**

9

Actual Size:
NOT INCLUDED
1/4" Concrete Screw
(between 1-3/4" and 2-1/4" long)
**1x**

You will need: (Not to Scale)
Hammer Drill
1x

3/16" Masonry Bit
1x

Mark and install 1st fastener

1 Mark the vertical centre line where the flat panel will be mounted

2 Measure up from the floor and mark the Mimimum Mounthing Height (MMH) and Maximum Recommended Mounting Height (MRMH) calculated in the previous step

3 Mark the desired mounting height between the (MMH) and (MRMH)

4 Install 1 fastener at position (M) leaving approximately 3/8" of the threads exposed. Ensure there is a minimum of 1-3/8" of threaded fastener inside the wall

(MRMH) **2**

3

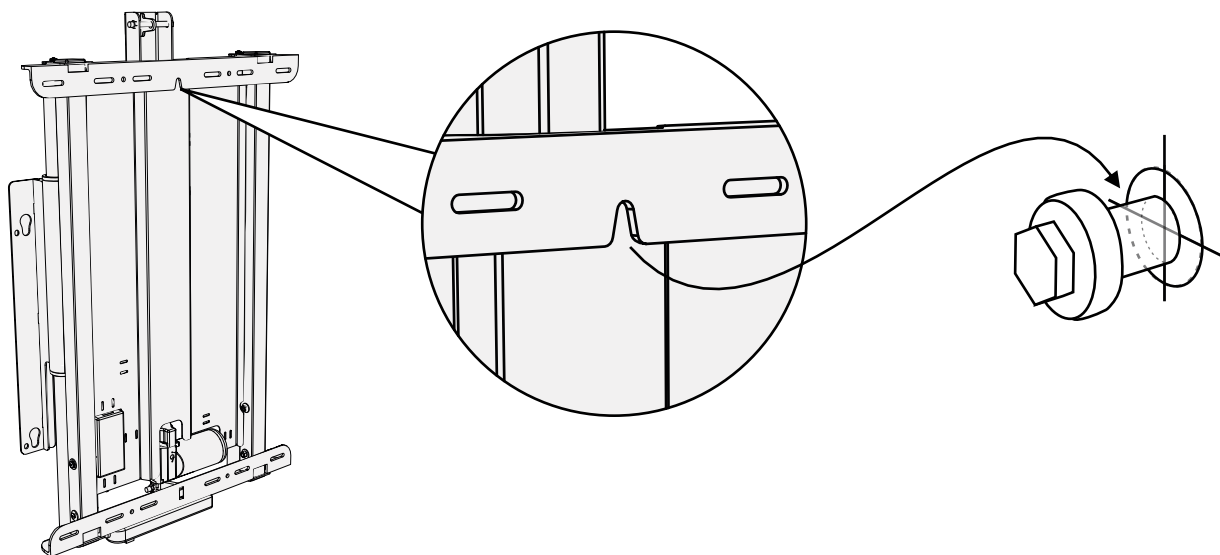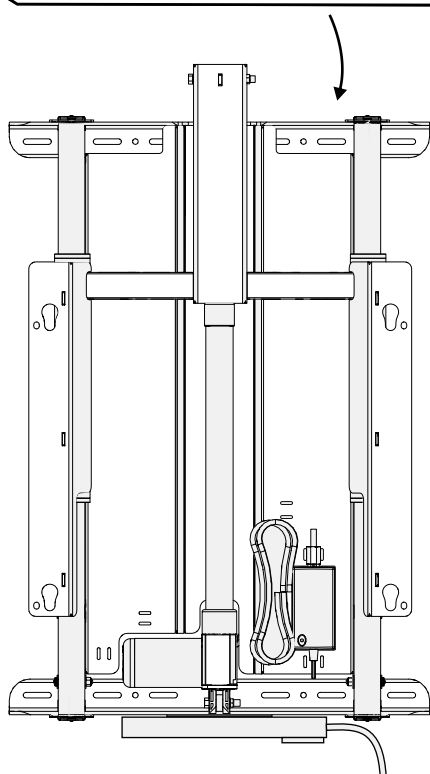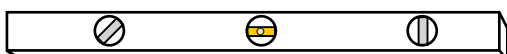**(MMH)** **2**

1

CENTER

3/8"
(9.5mm)

4

min. 1-3/8"
(35mm)

MAX 60"
(152.4cm)

FLOOR

10
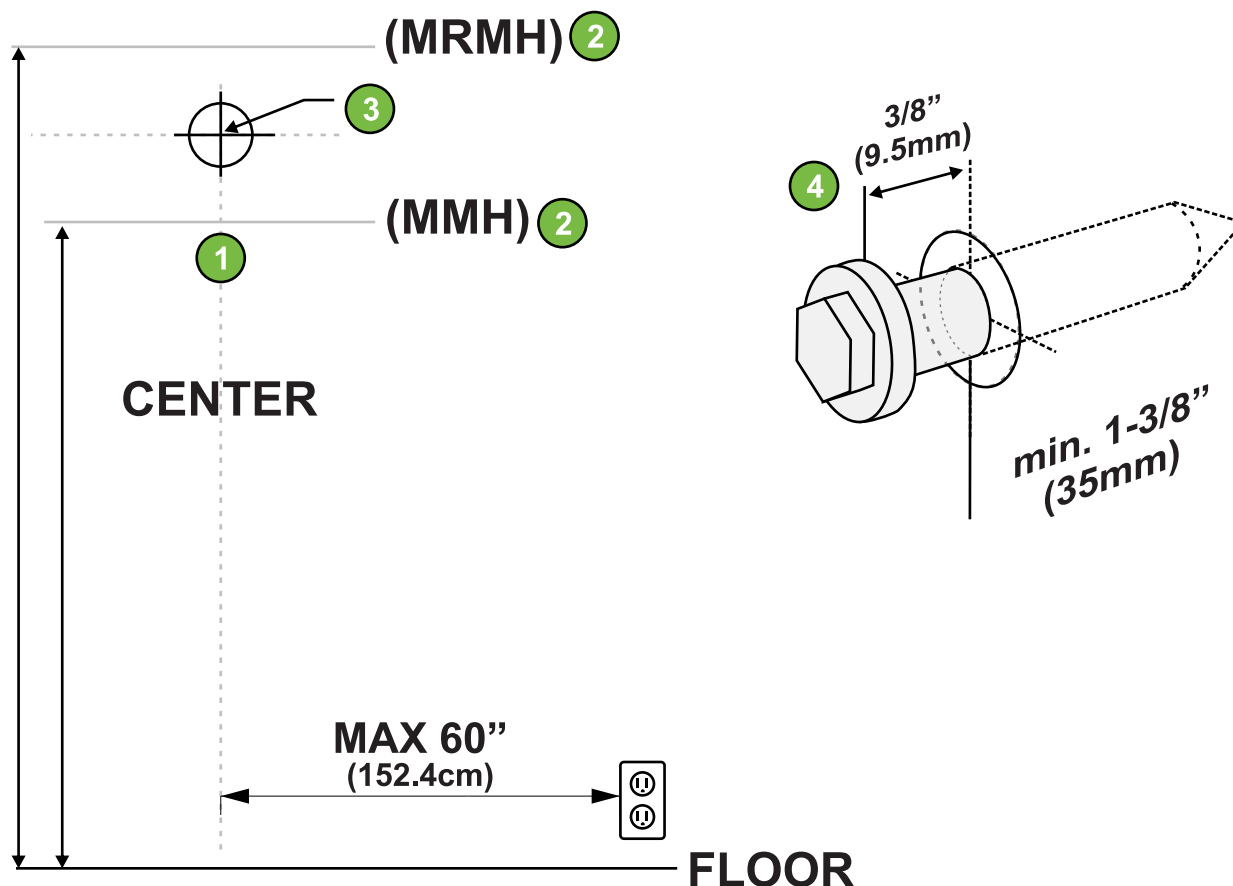
2-Person Task

Hang HAWM on fastener and mark mounting holes

1 **Hang HAWM on fastener**

2 **Level HAWM**

3 **Trace mounting holes (8x) and remove HAWM from wall.**

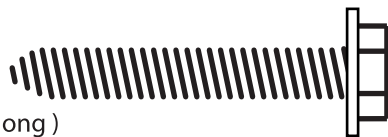Version A - Released September 7, 2021 - Copernicus Educational Products Inc.
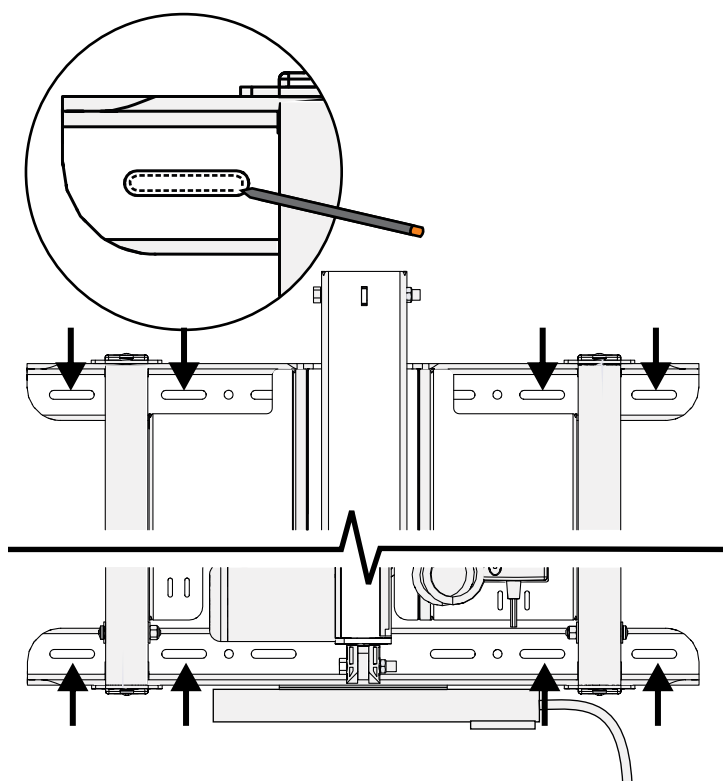
11

2-Person Task

Actual Size:

NOT INCLUDED

1/4" Concrete Screw
(between 1-3/4" and 2-1/4" long)
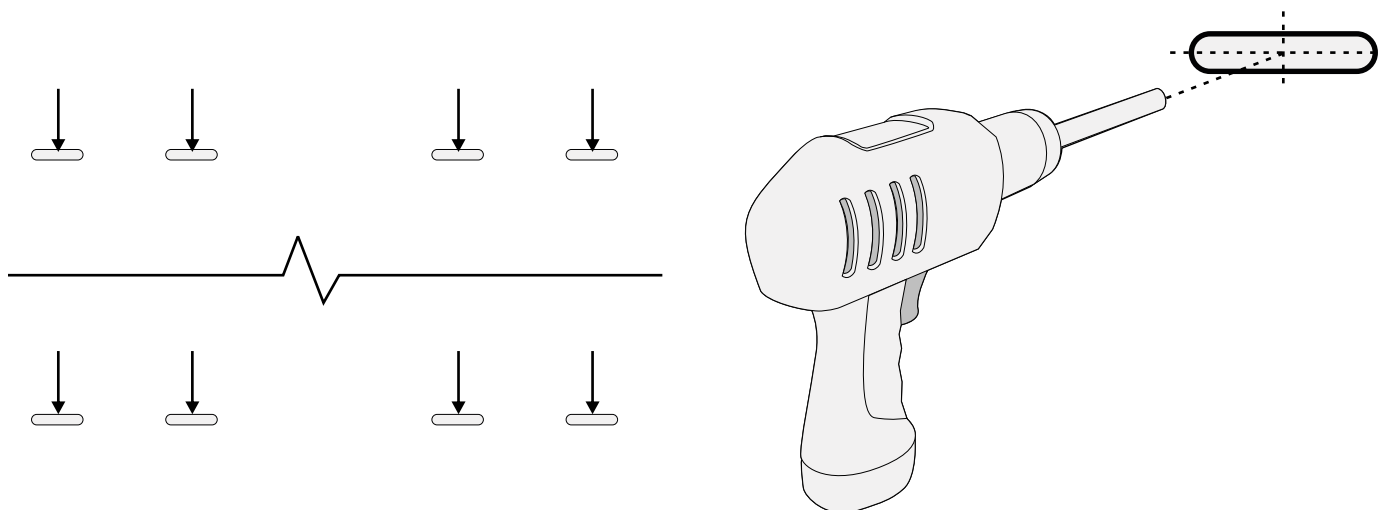**8x**

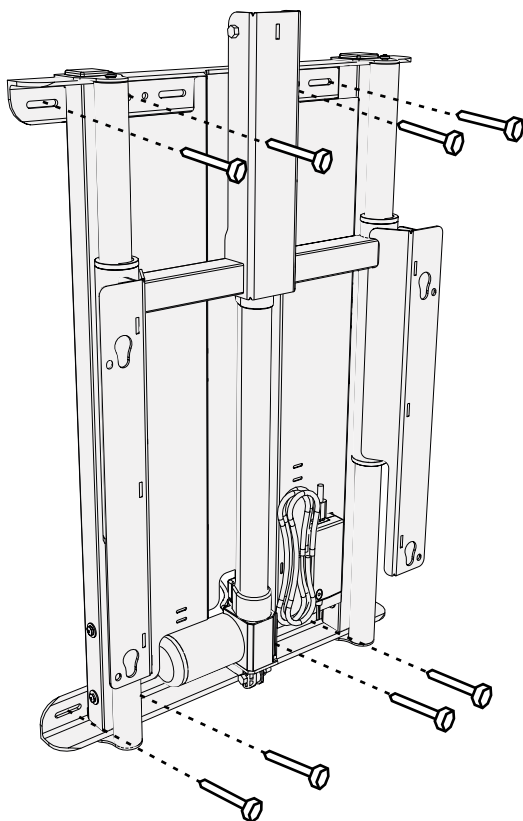You will need: (Not to Scale)

Hammer Drill
1x

3/16" Masonry Bit
1x

Mount HAWM to Wall

1 **Pre-drill holes in center of mounting hole traced outlines**
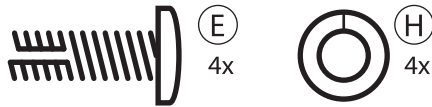
2 **Fasten HAWM to wall using 8 fasteners**

Actual Size:
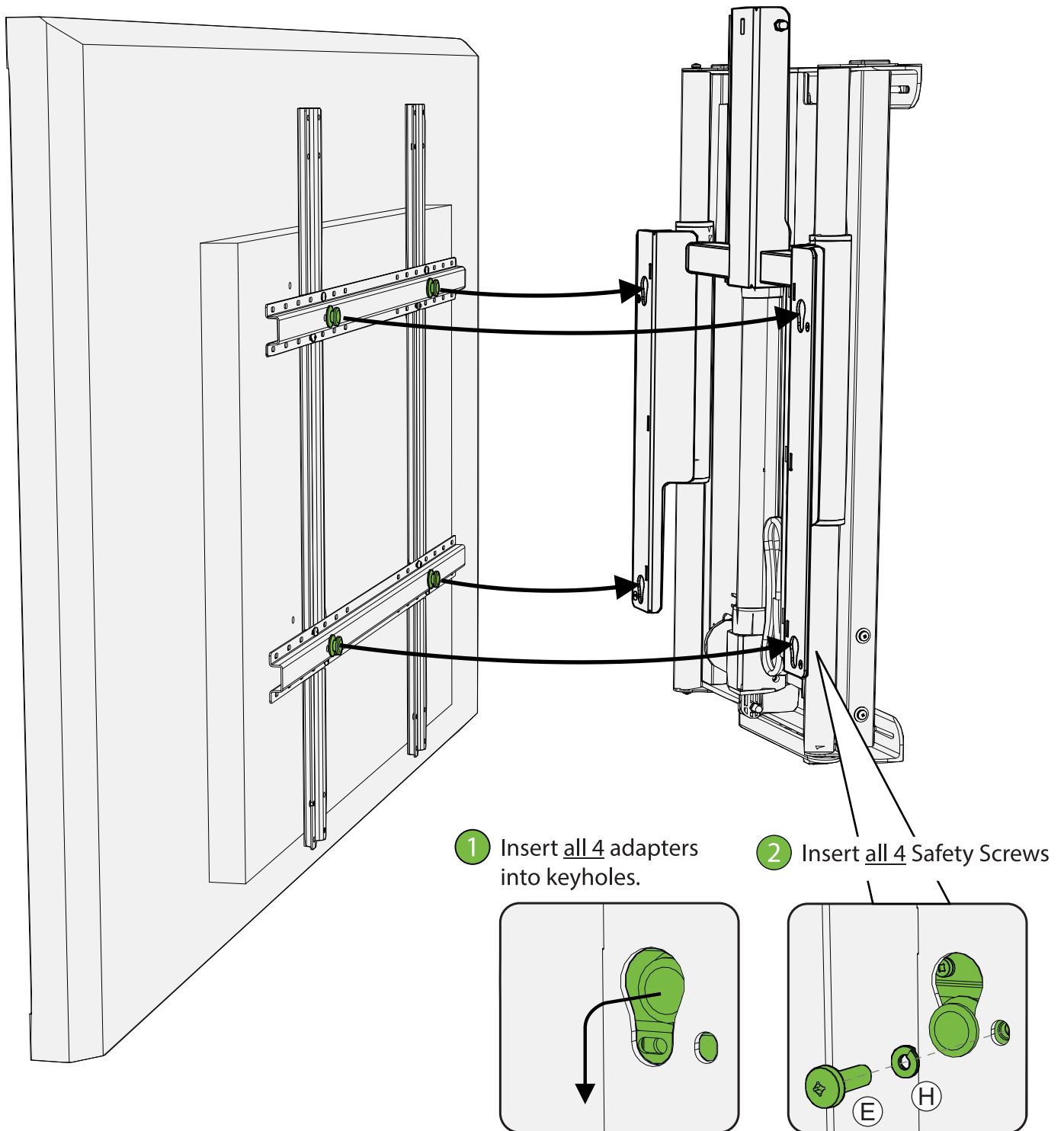
E 4x   H 4x

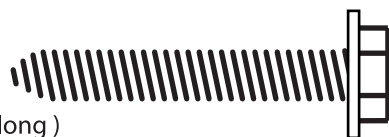You will need: (Not to Scale)

Screwdriver

Phillips #2 or #3

Mount Flat Panel onto HAWM

1 Insert <u>all 4</u> adapters into keyholes.

2 Insert <u>all 4</u> Safety Screws
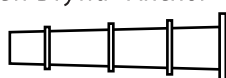
E   H

13

Actual Size:

NOT INCLUDED

1/4" Concrete Screw
(between 1-3/4" and 2-1/4" long)
1x

| OR |

NOT INCLUDED

#8 Screw - 1" Long
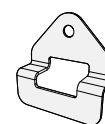**1x**

#8 Screw Drywall Anchor
1x

You will need: (Not to Scale)
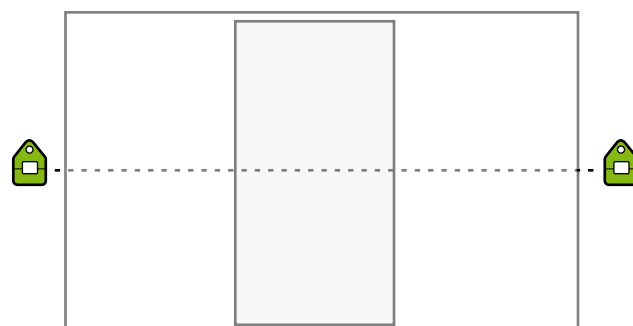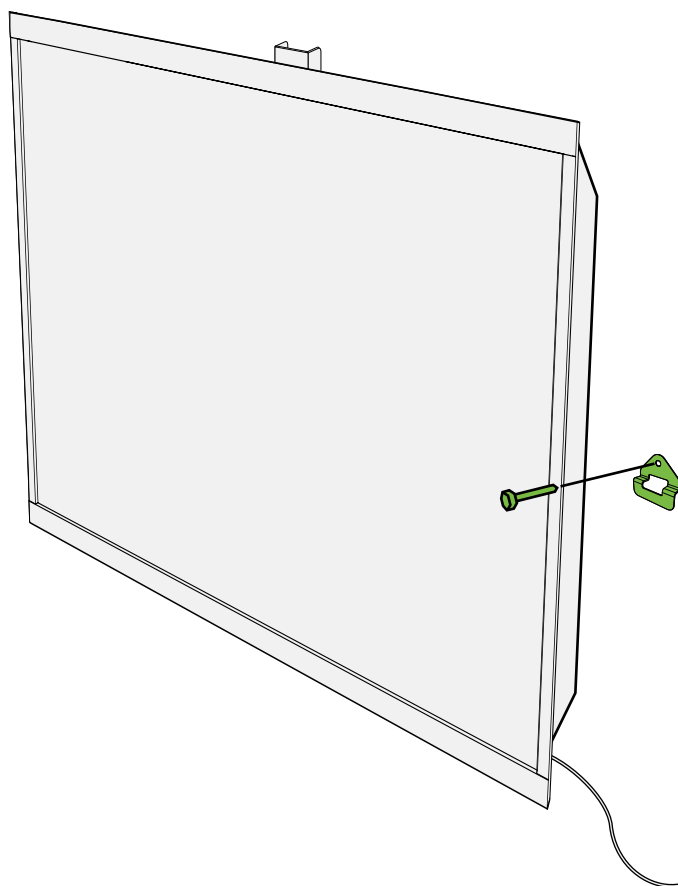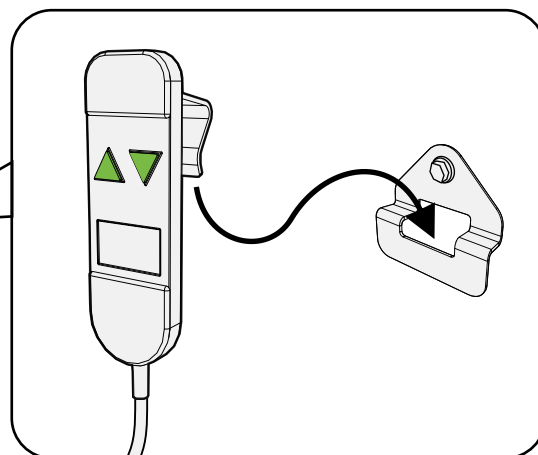
Hammer Drill
1x

Remote Hanger Bracket
1x

3/16" Masonry
Drill Bit
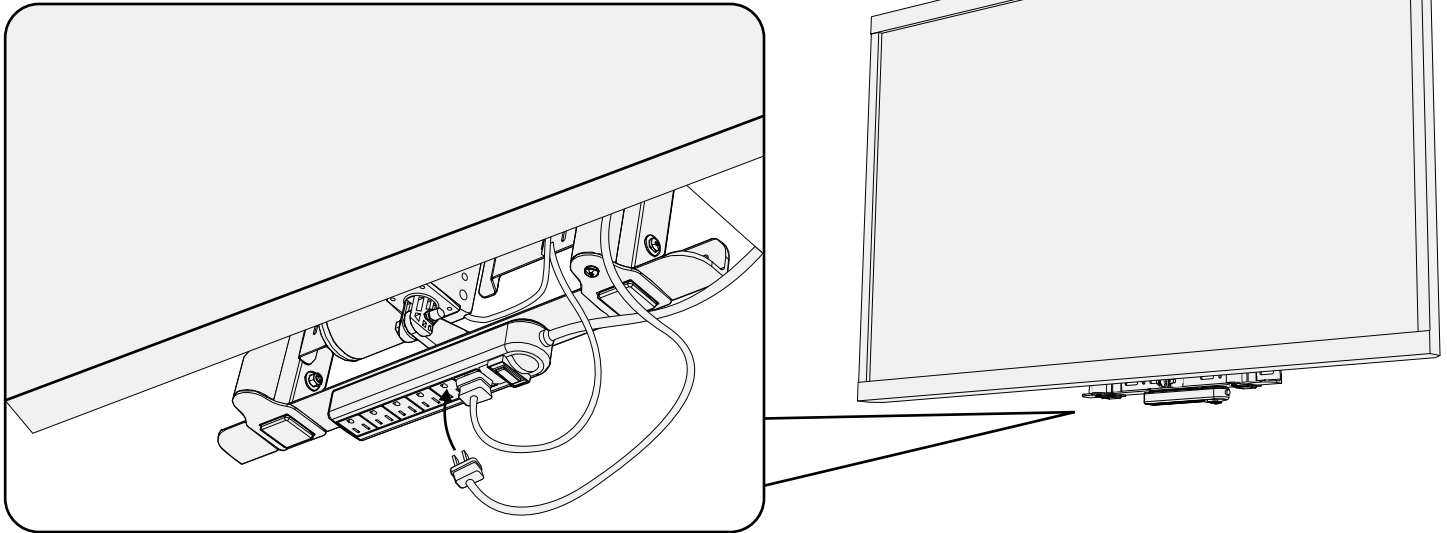**1x**

OR

Drill Bit
(sized for drywall anchor)
1x

Mount Remote Hanger Bracket to wall

Can be mounted on left or right of screen.

14

You will need: (Not to Scale)

Velcro Strip - 8"
x3

Cable Management

1 **Plug flat panel power cable into power strip**

2 **Plug in all cables that will be used with flat panel (USB, video, audio etc) and route them to the location where they will be attaching to the source device (laptop etc).**

3 **Using the Electric Lift Remote, move flat panel into highest and lowest position. Determine the amount of slack needed to ensure no cable will be pulled.**

4 **Use included Velcro straps to secure excess power and video cables to frame (at indicated locations).**

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