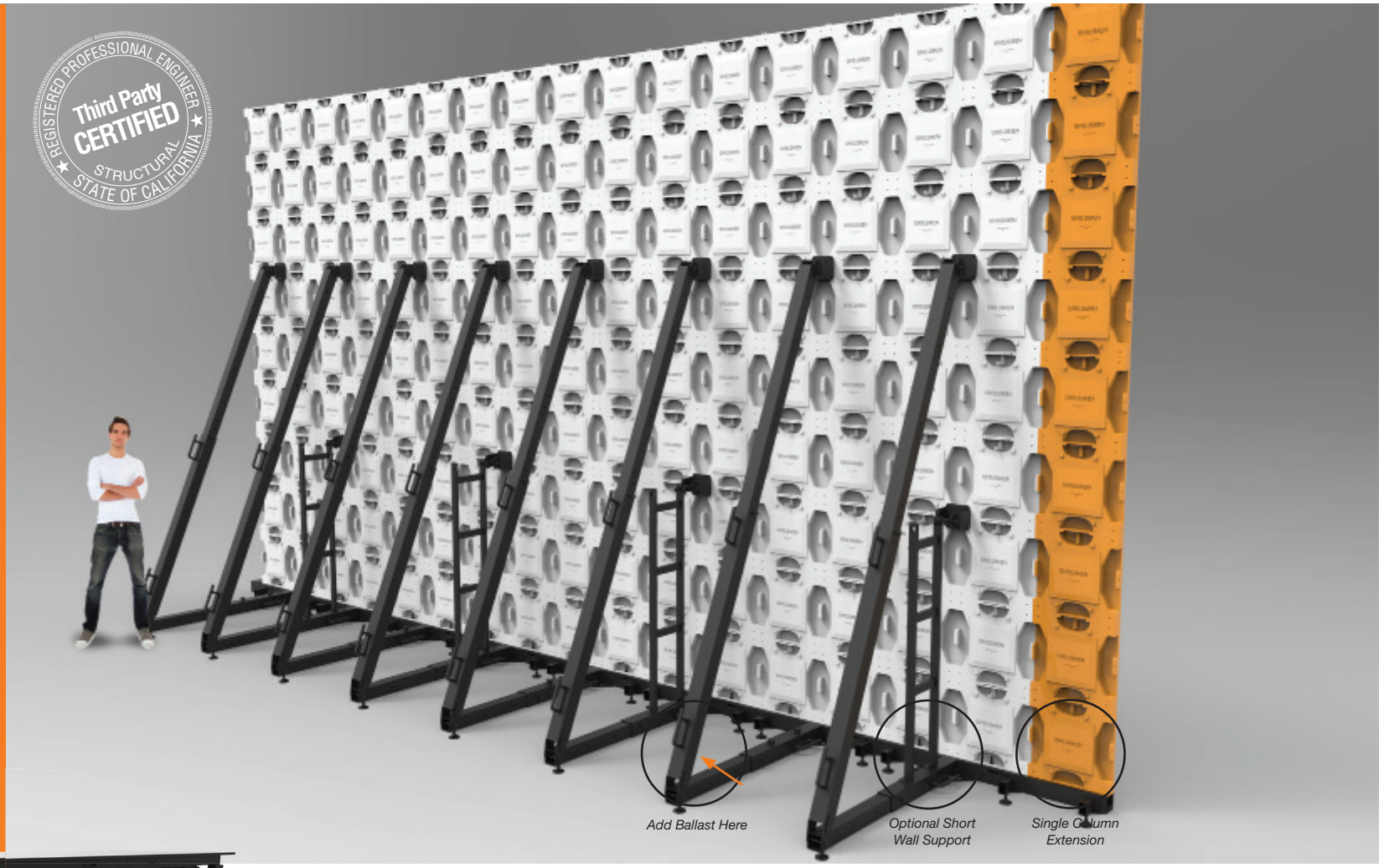
FEATURES

- Up to 16 x 9 video wall configurations
- Includes Single-column extension
- Fast set ups and dismantling
- Light-weight aluminum construction
- Telescoping two-column T-Base floor module
- Telescoping Back Brace
- Adjustable floor levelers
- Built in X and Z axis bubble levels
- Rugged black powder coat finish
- Aircraft pins for quick assembly
- Ballast anchor points and tie downs
- Rolling cart with 6” locking casters
- Fits inside delivery truck sideways
- Cart top converts into work bench
- Easy to use ballast calculator
- Fork Lift Compatible
- Supports 500mm & 500 X 1000mm including Absen A3 Pro, A5, A7, Unilumen 3.9, CreateLED and XL video



Loc-N-Load® - Instruction Booklet

This innovative ground support system includes everything you need to set up LED video walls. Loc-N-Load® sets up and packs out in half the time that it takes using conventional ground support methods.

It quickly builds up to 16 LEDs wide and up to 9 LEDs tall using 500 X 500mm or 500 X 1000mm LED tiles. Add the included single column extension to assemble a full 17 X 9.

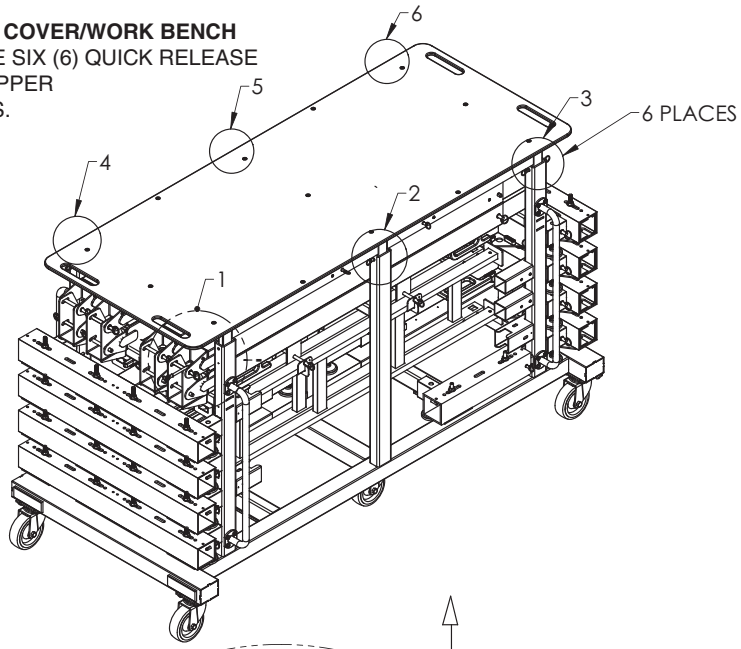
Loc-N-Load’s telescoping T-Base supports two vertical columns of LED tiles (up to 9 high). They connect to each other horizontally via a connecting tube and as many as you desire. Each T-Base is equipped with three adjustable gliders for leveling, plus X and Z axis bubble indicators so you can get the T-Bases and first tier of LED tiles locked in and leveled quickly.

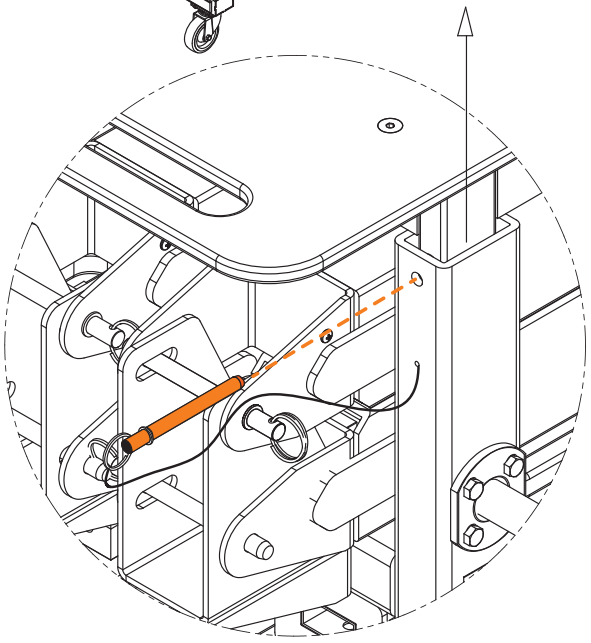
The telescoping Back Brace serves as the main support connecting between the back of the T-Base up to the 4th, 5th or 6th tiers of LEDs, depending on how high your display will be. For shorter walls, or for added support to higher walls, the optional 5-foot vertical wall support can be utilized.

When dismantled, all the T-Bases, Single Column Extension, Back Braces and Back Stays stow quickly back onto the rolling cart, as do the optional accessories such as the Vertical Frame and Forward Extender. Fully loaded, the cart weighs less than 950lbs.

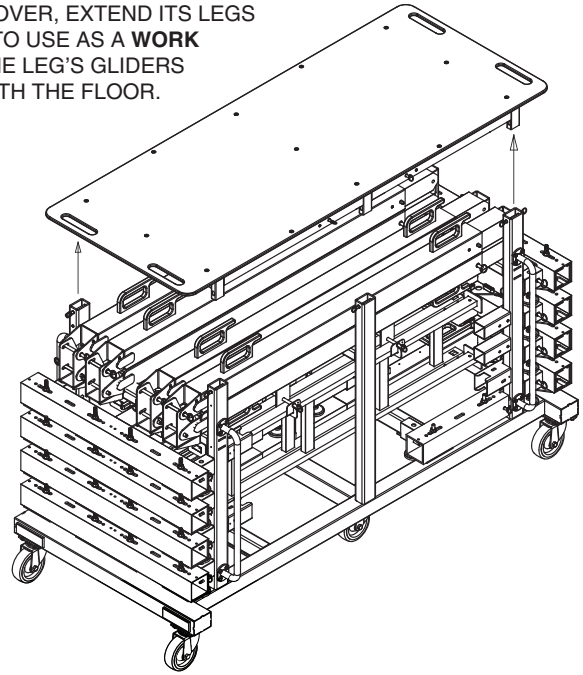
STEP 1

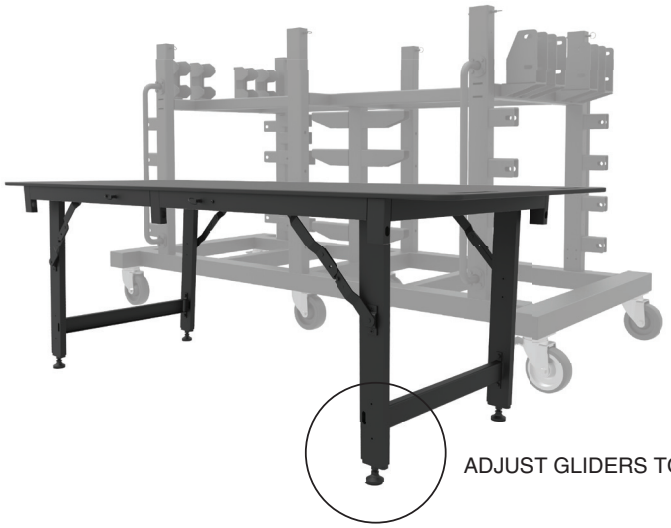
REMOVE THE **TOP COVER/WORK BENCH** BY REMOVING THE SIX (6) QUICK RELEASE PINS FROM THE UPPER FRAME SUPPORTS.





TURN THE COVER OVER, EXTEND ITS LEGS AND FLIP IT OVER TO USE AS A **WORK BENCH**. ADJUST THE LEG'S GLIDERS TO LEVEL THEM WITH THE FLOOR.

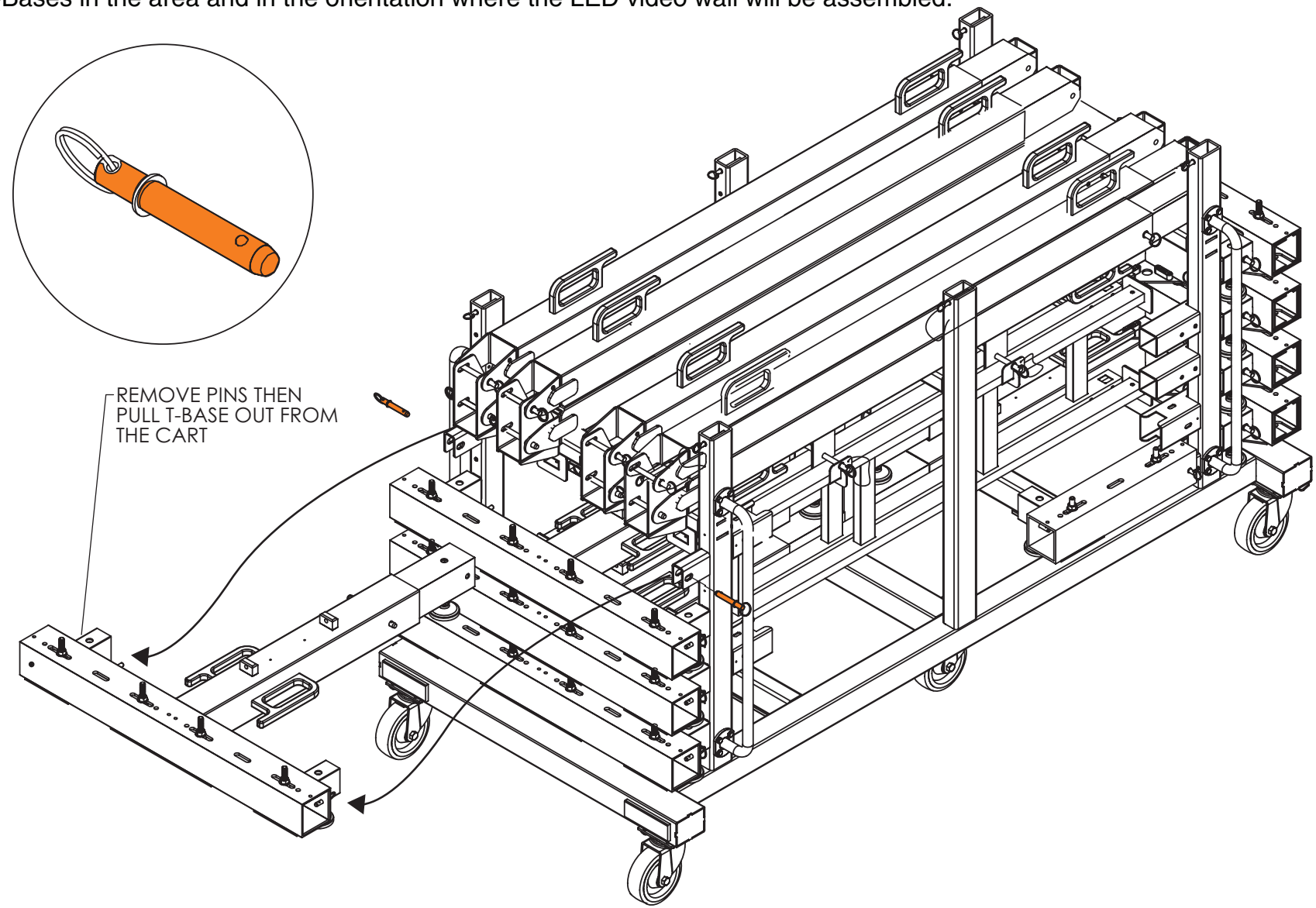




ADJUST GLIDERS TO LEVEL BENCH

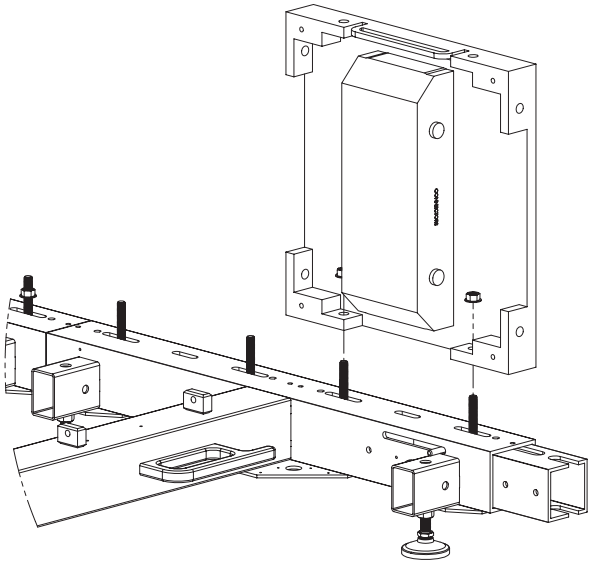
STEP 2 - Remove T-Base

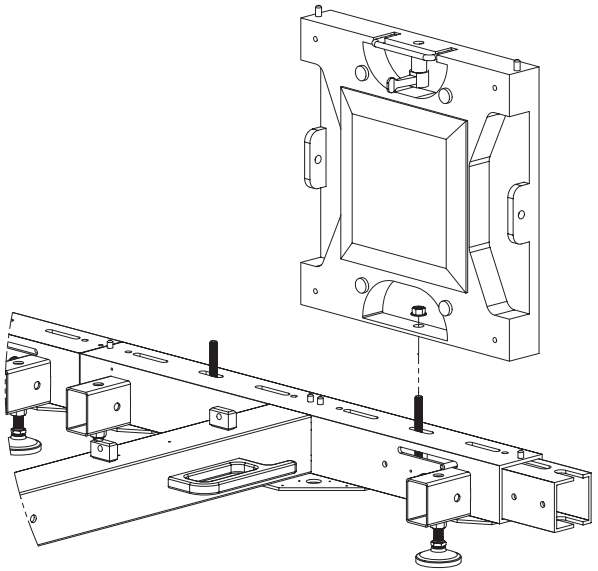
Remove the **T-Bases** from the cart by removing the two outer quick release pins. Place the T-Bases in the area and in the orientation where the LED video wall will be assembled.



STEP 3

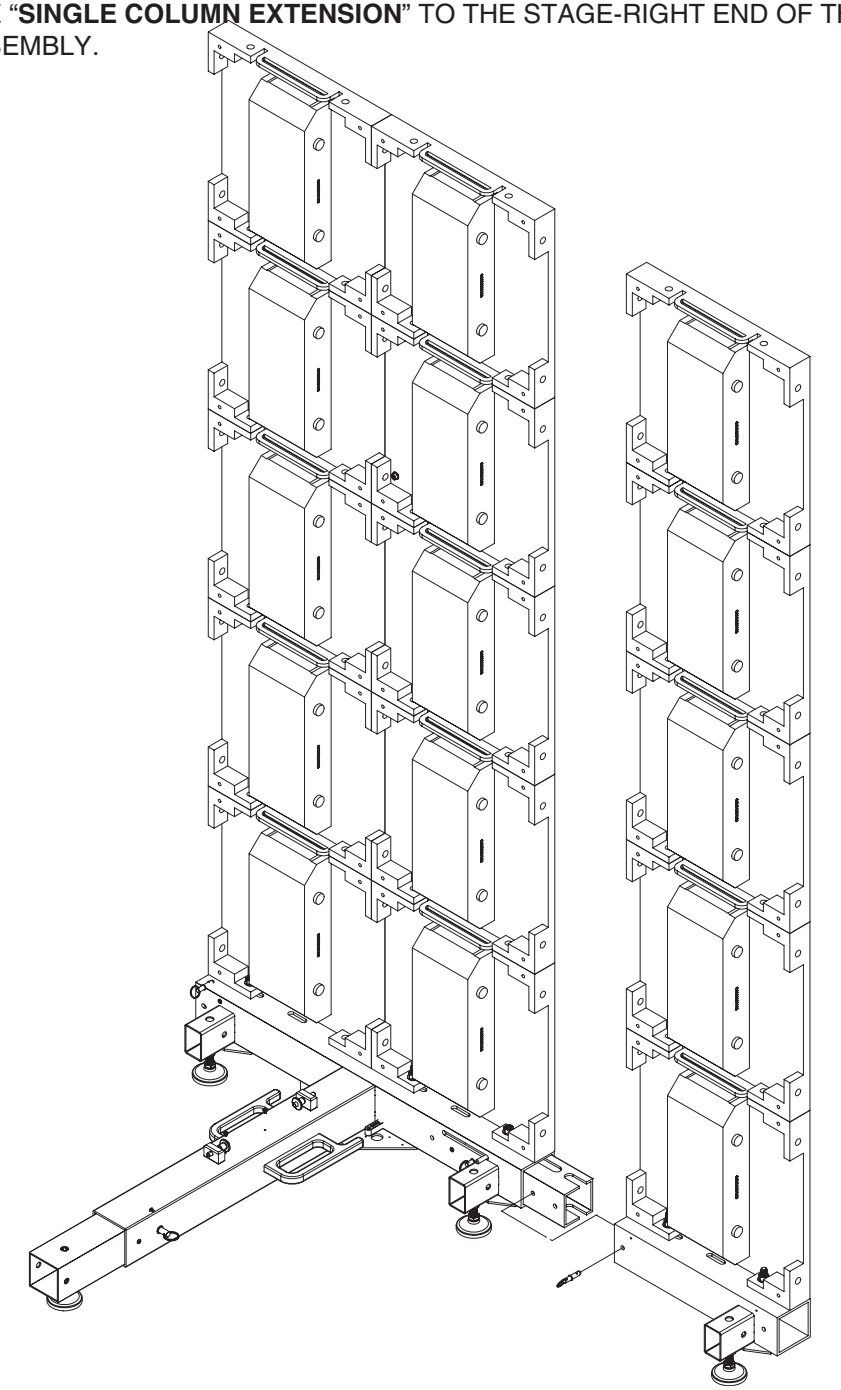
SOME LED CASTINGS PROVIDE FOR ONE BOLT IN THE MIDDLE AND OTHERS REQUIRE ONE BOLT AT EACH END. REMOVE THE **CARRIAGE BOLTS AND NUTS** FROM THE T-BASE AND REINSTALL IN THE CORRECT POSITIONS BASED ON THE NEEDS OF THE SELECTED LED.





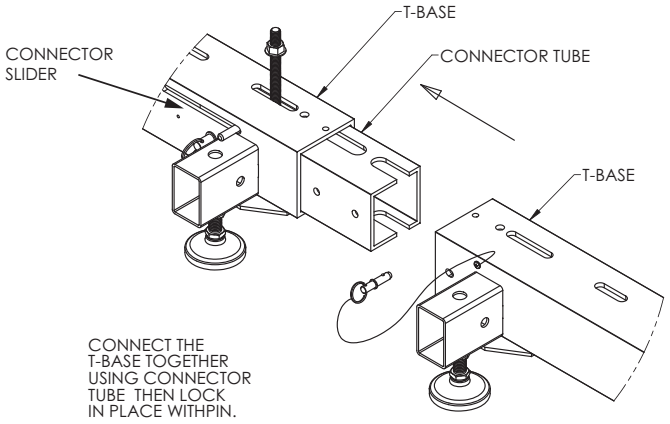
STEP 4

EACH T-BASE SUPPORTS TWO (2) COLUMNS OF LEDS SO, FOR AN EVEN NUMBER OF COLUMNS, ASSEMBLE ENOUGH T-BASES TOGETHER TO BUILD THE DESIRED SIZE VIDEO WALL. FOR AN ODD NUMBER OF COLUMNS, ADD THE "**SINGLE COLUMN EXTENSION**" TO THE STAGE-RIGHT END OF THE ASSEMBLY.



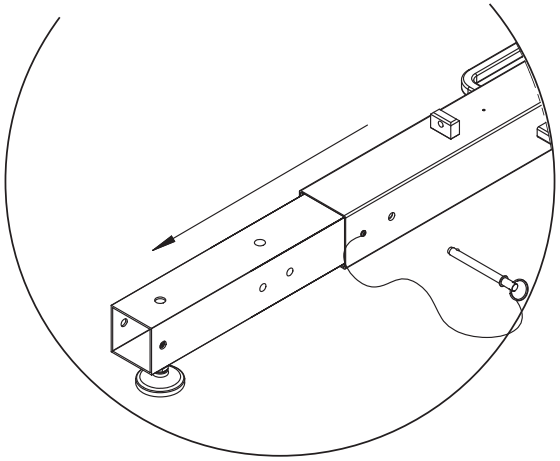
STEP 5 - Set Up T-Base Ground Support

JOIN THE FIRST T-BASE STARTING AT “STAGE-LEFT” BY SLIDING ITS INTERNAL CONNECTOR INTO THE SECOND T-BASE. SECURE THE INTERNAL CONNECTORS USING THE QUICK RELEASE PINS. REPEAT THIS PROCEDURE UNTIL THE DESIRED NUMBER OF BASES ARE ASSEMBLED TOGETHER.



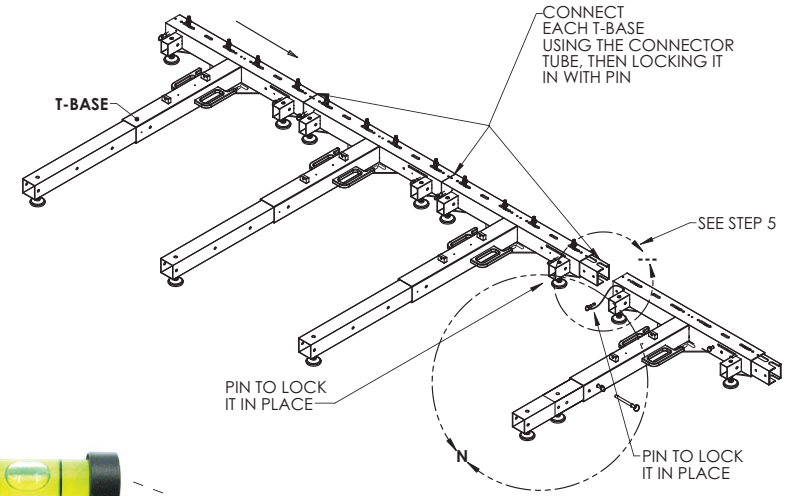
STEP 6

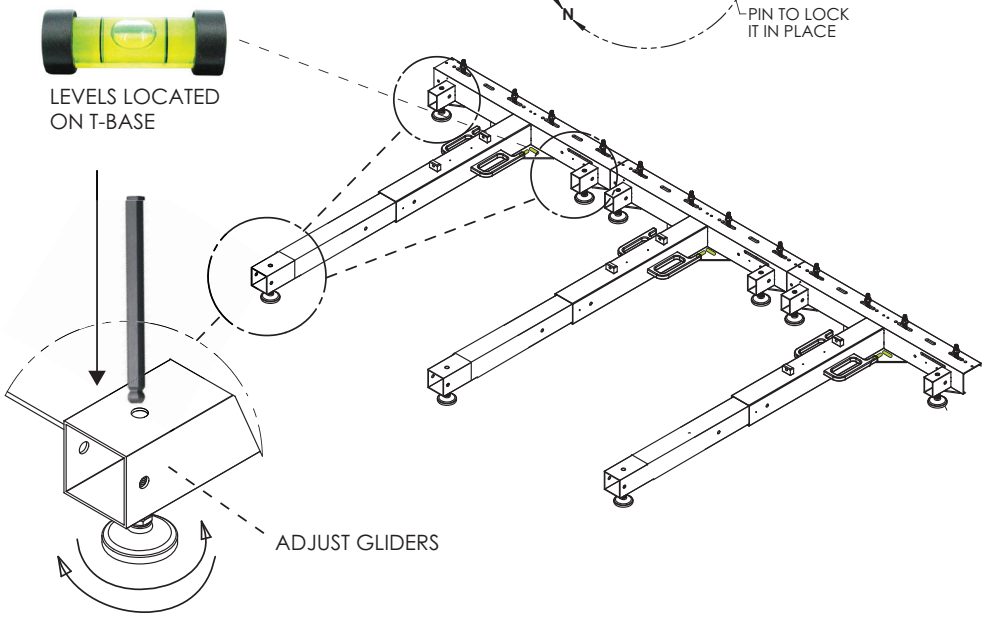
SET THE **TELESCOPING T-BASE** EXTENSION TO THE DESIRED POSITION. “A” POSITION FOR SHORT WALLS (2-4 TIERS TALL), “B” POSITION (5-6 TIERS TALL) AND “C” POSITION FOR TALL WALLS (7-9 TIERS TALL). LOCK THE POSITION IN WITH THE QUICK RELEASE PIN.



STEP 7

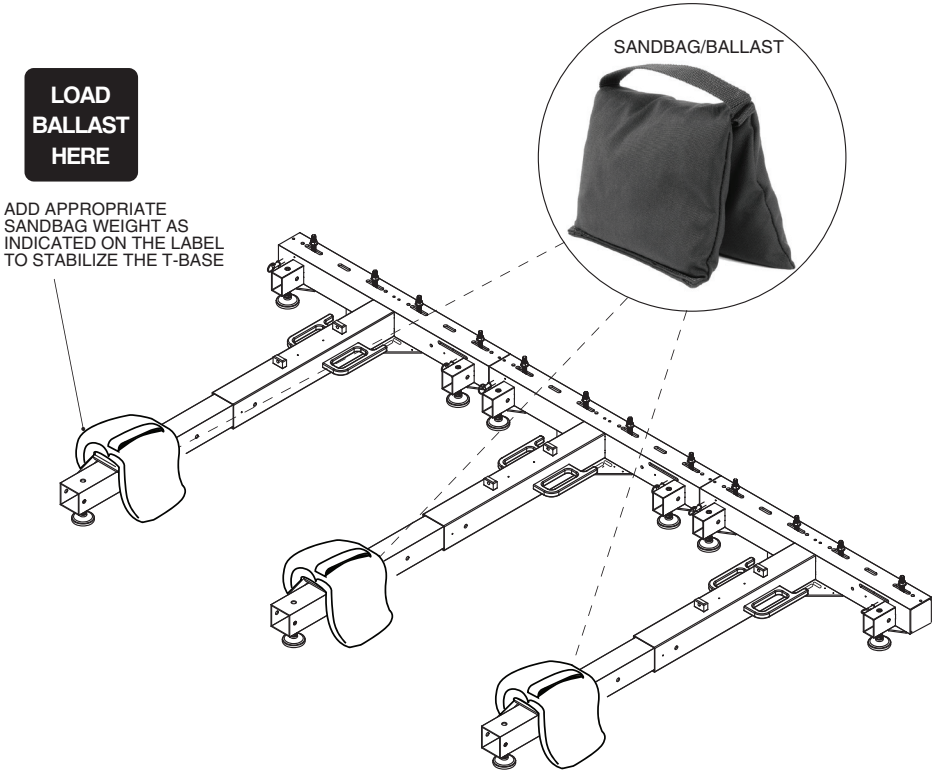
ALIGN THE T-BASES BY PLACING THEM IN A STRAIGHT LINE. **LEVEL** THE T-BASES BY ADJUSTING THE GLIDERS CLOCK-WISE OR COUNTER CLOCK-WISE. BOTH OF THESE OPERATIONS ARE VERY IMPORTANT.





STEP 8 - Apply Ballast to T-Bases

APPLY **BALLAST** TO THE T-BASE EXTENSIONS BEFORE ADDING LED TILES. SEE BALLAST TABLE RECOMMENDATIONS ON SIDE OF T-BASE. THERE ARE MANY METHODS AND MATERIALS USED AS BALLAST SO BE SURE YOUR SELECTED BALLAST WILL MEET THE NEEDS OF THE SIZE OF VIDEO WALL AND ITS ENVIRONMENT, INCLUDING WEATHER.

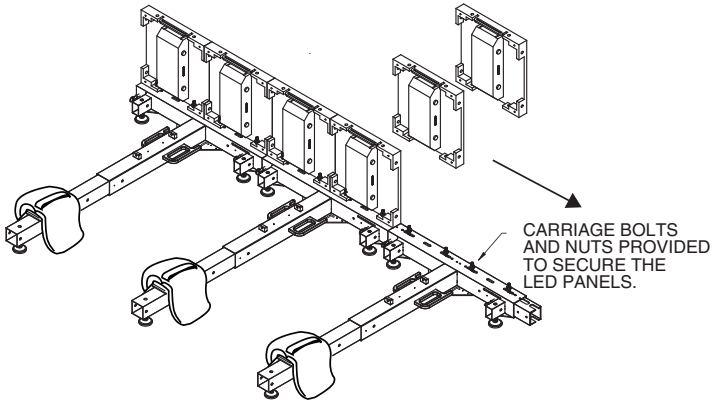


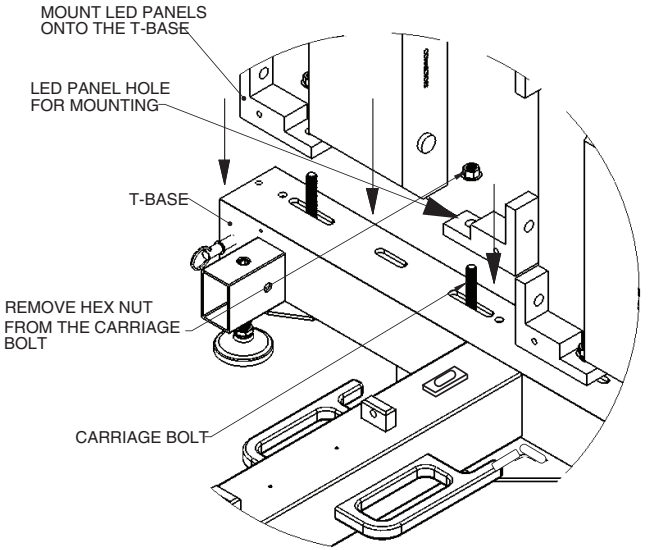
NOTE :

THE REAR END OF THE T-BASE CAN ALSO BE STRAPPED OR ANCHORED DOWN TO SECURE FLOOR ATTACHMENTS.

STEP 9 - Assemble First Tier LED Tiles onto T-Bases

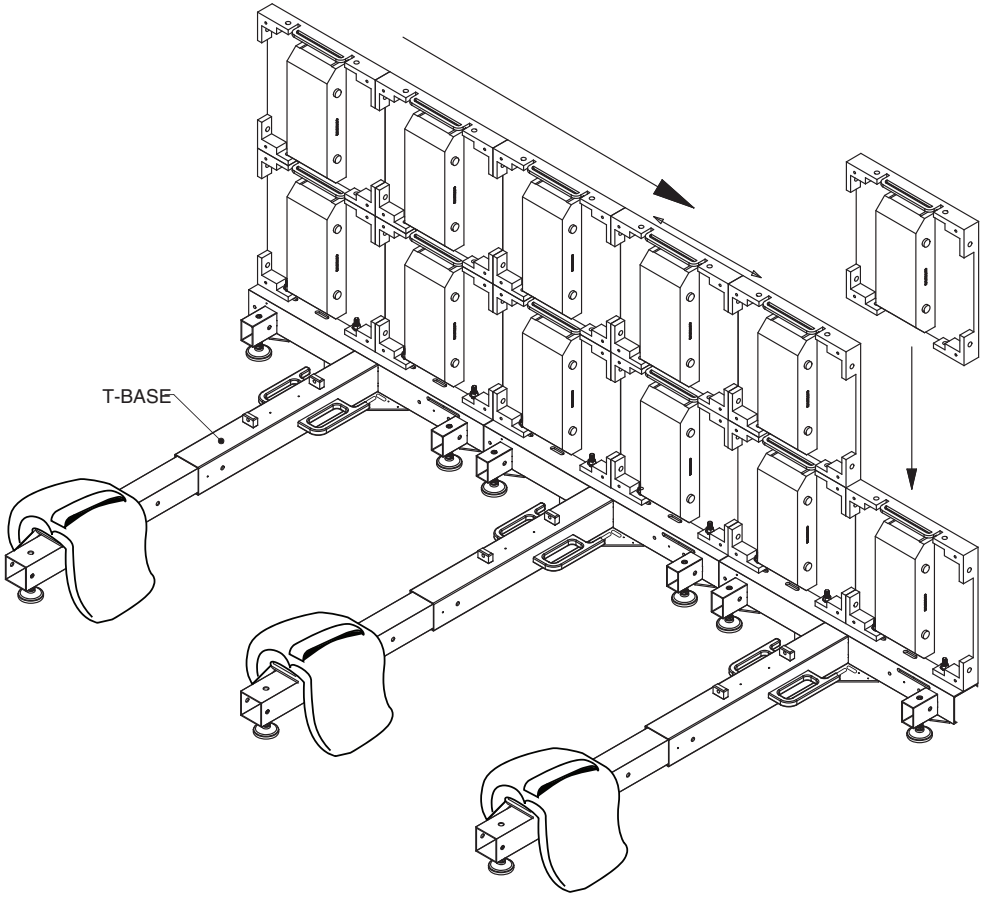
ASSEMBLE THE **FIRST TIER** OF LEDS TO THE T-BASES. INSTALL THE LED TILES STARTING AT STAGE-LEFT. INSERT THE BOLTS THROUGH THE BASE AND INTO THE BOTTOM OF THE LED CASTING. PUT THE FLANGE NUT OVER THE BOLT AND TIGHTEN LOOSELY. REPEAT UNTIL THE ENTIRE FIRST TIER IS INSTALLED WITH NO GAPS BETWEEN TILES. USE THE T-BASE'S GLIDER ADJUSTMENTS WHERE NEEDED TO KEEP THE FIRST TIER LEVEL.





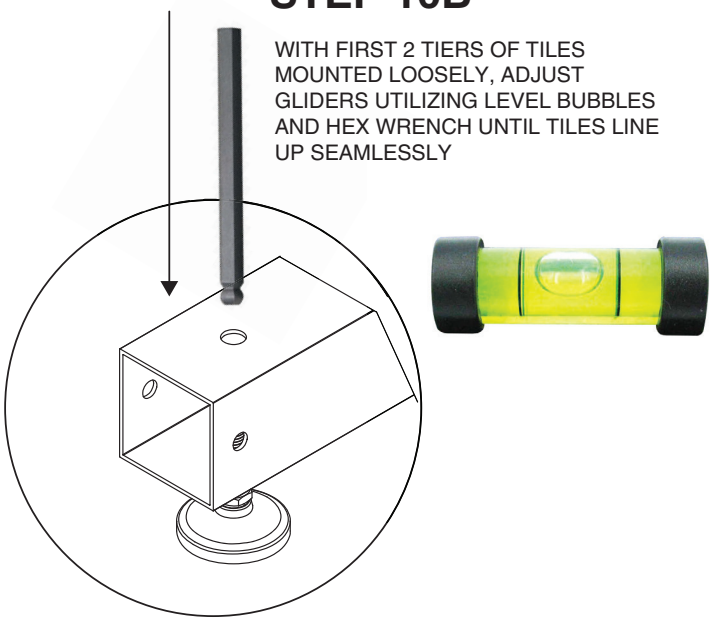
STEP 10A

SECURE THE **SECOND TIER** OF LED TILES TO THE FIRST TIER. BE SURE ALL TILES ARE SECURED TO EACH OTHER PROPERLY AND ALIGNED WITH THE FIRST TIER. BOTH TIERS OF LED TILES SHOULD NOW BE FIRMLY LOCKED TOGETHER WITH NO GAPS BETWEEN ANY OF THE LED TILES. AT GROUND LEVEL, ADJUST OUT ANY GAPS BETWEEN THE TOP OF THE T-BASES AND THE BOTTOM OF THE FIRST TIER OF LED TILES USING THE ADJUSTABLE GLIDERS. WHEN ALL GAPS ARE REMOVED, **FULLY TIGHTEN THE CARRIAGE BOLTS AND NUTS** BETWEEN THE FIRST TIER OF LED TILES AND THE T-BASES.



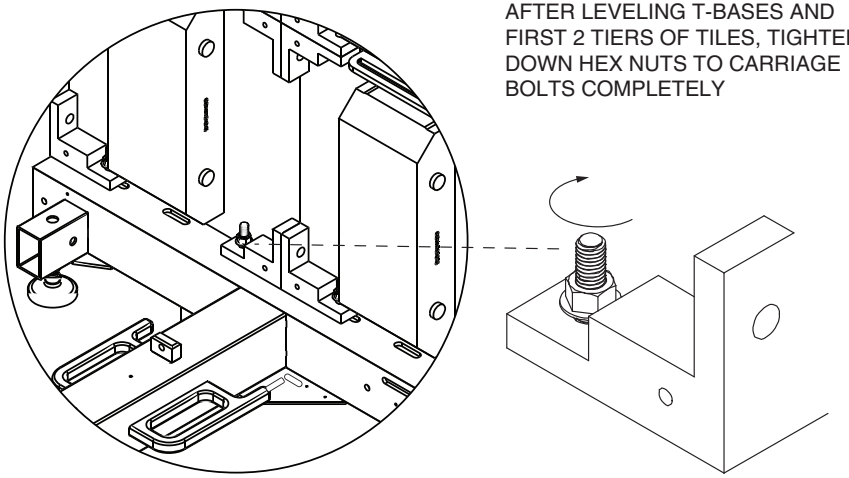
STEP 10B

WITH FIRST 2 TIERS OF TILES MOUNTED LOOSELY, ADJUST GLIDERS UTILIZING LEVEL BUBBLES AND HEX WRENCH UNTIL TILES LINE UP SEAMLESSLY



STEP 10B

AFTER LEVELING T-BASES AND FIRST 2 TIERS OF TILES, TIGHTEN DOWN HEX NUTS TO CARRIAGE BOLTS COMPLETELY

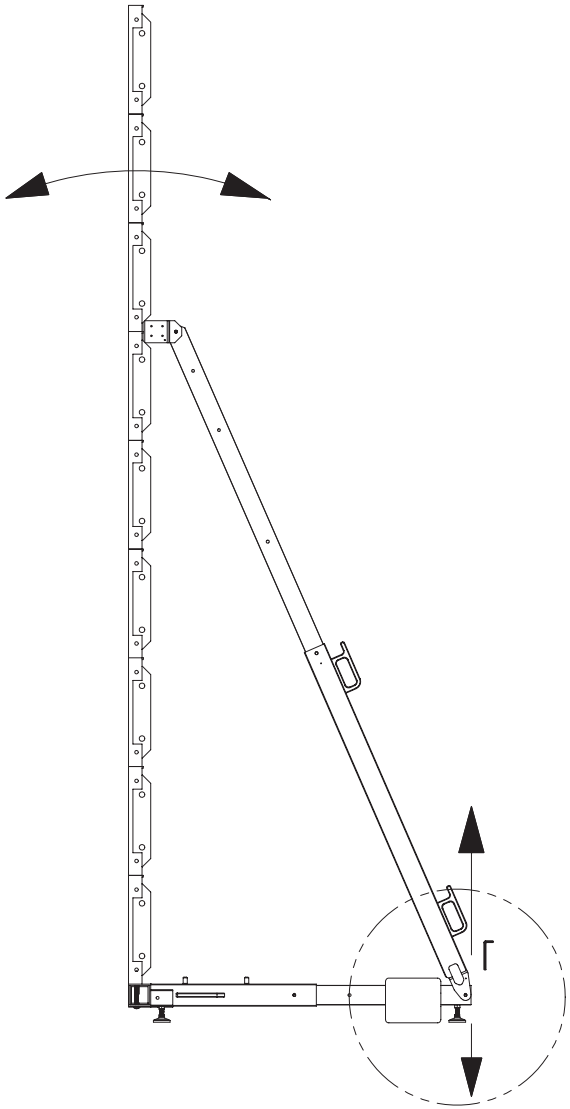


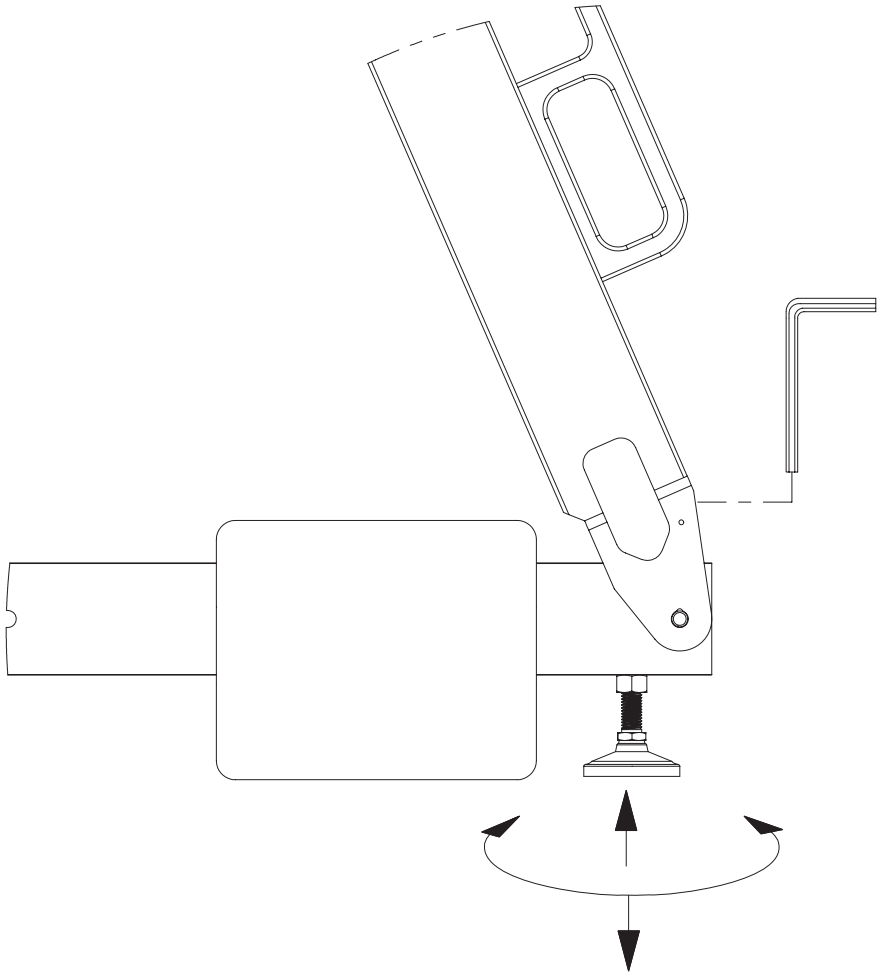
STEP 11

ASSEMBLE THE **THIRD TIER** OF LEDS OVER THE SECOND TIER.

ONCE COMPLETE, CHECK THE SIDE OF THE VIDEO WALL TO BE SURE THAT THE TILES
ARE STACKING UP VERTICALLY. TO ALIGN THE WALL VERTICALLY, ADJUST THE GLIDER AT THE BACK OF THE T-BASE EXTENSIONS. ALSO, CHECK TO BE SURE ENOUGH BALLAST HAS BEEN ADDED TO THE BACK OF THE T-BASE EXTENSIONS BEFORE ADDING ANY MORE LED TILES.

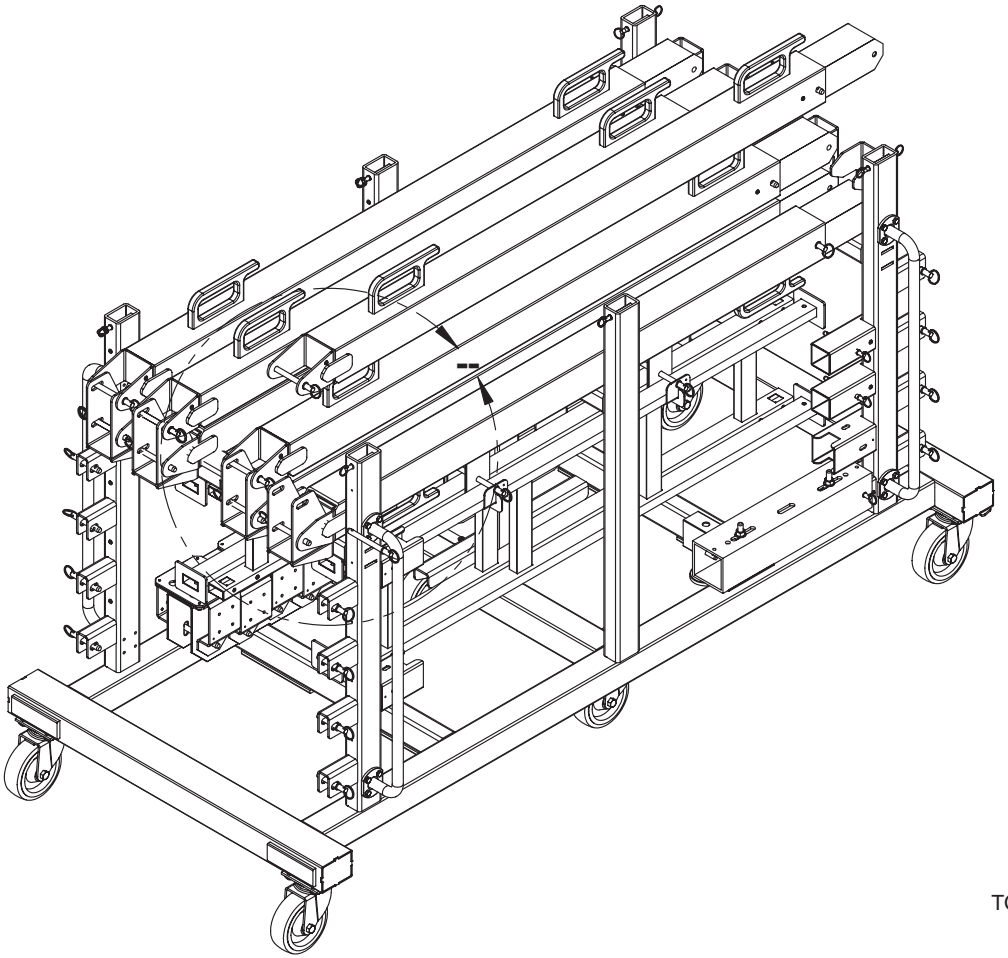
REPEAT AS EACH TIER OF LEDS ARE ADDED

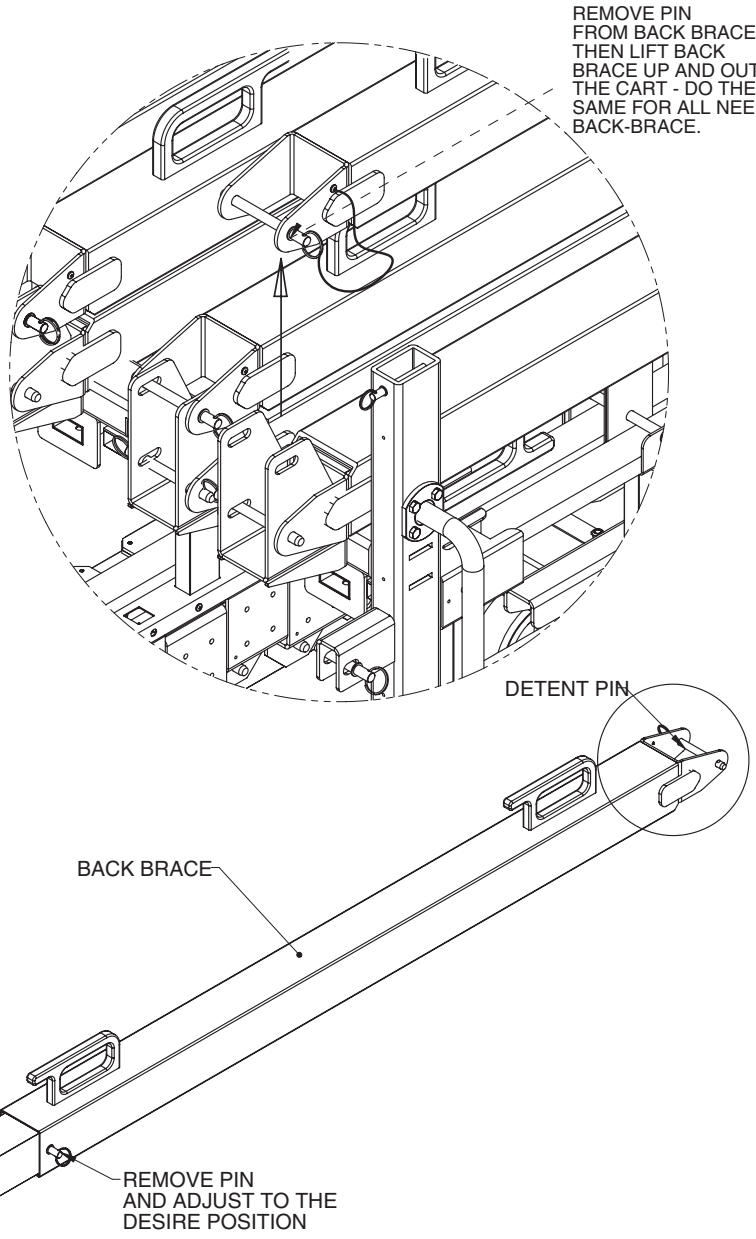




STEP 12 - Unpacking Back Brace

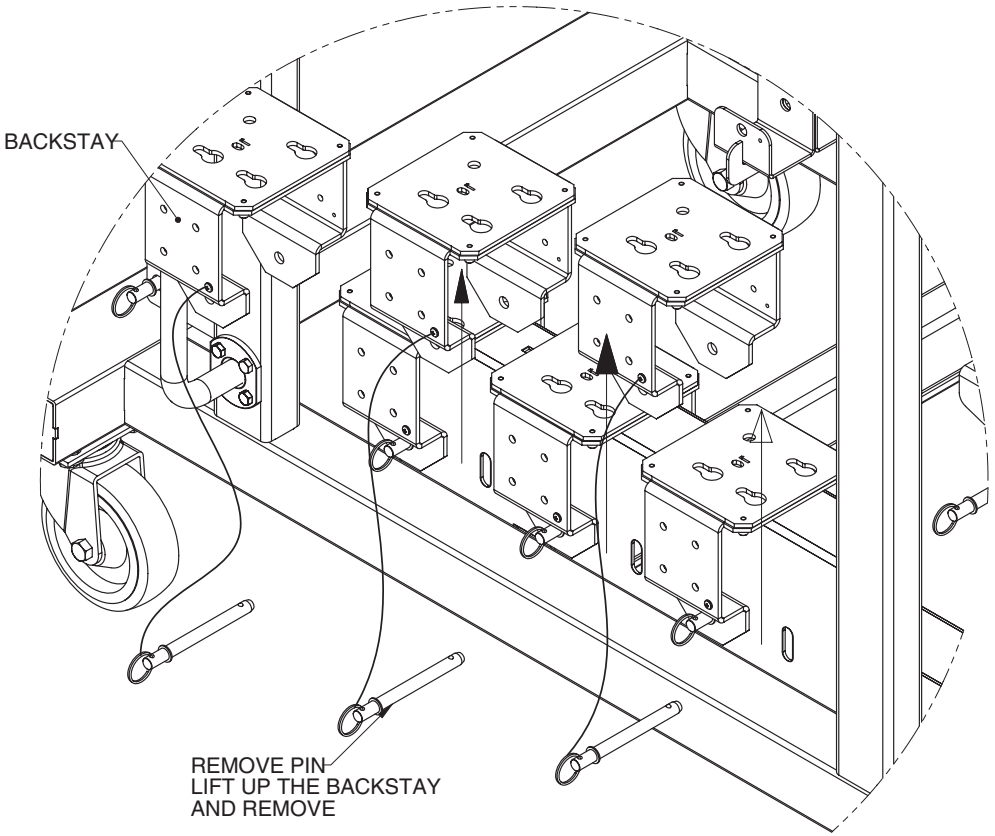
REMOVE THE **BACK BRACES** FROM THE CART BY REMOVING THE QUICK RELEASE PINS.





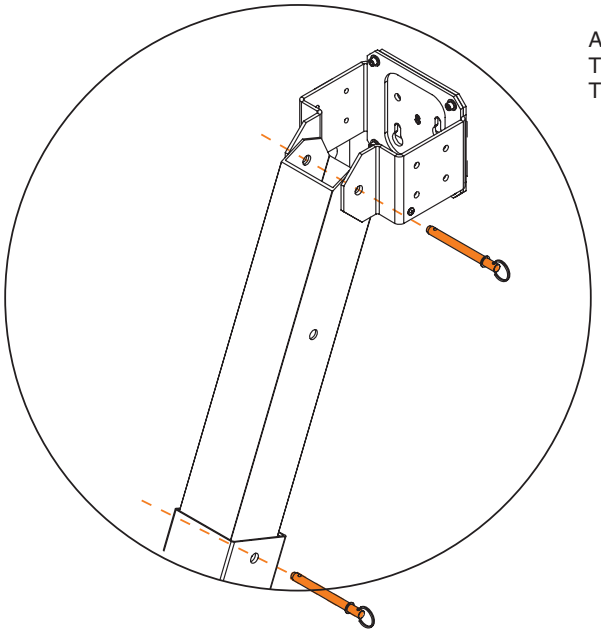
STEP 13A - Unpacking/Assembling Backstay & Back Brace

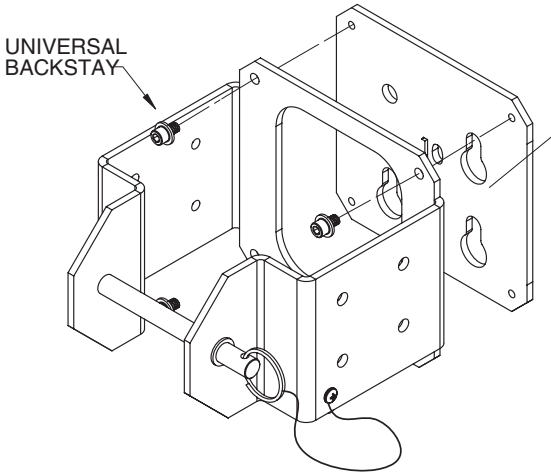
REMOVE THE **BACK STAYS** FROM THE CART AND ATTACH THEM TO THE UPPER END OF THE BACK BRACE USING THE QUICK RELEASE PINS.



STEP 13B

ATTACH THE BACK STAY TO THE UPPER END OF THE BACK BRACE



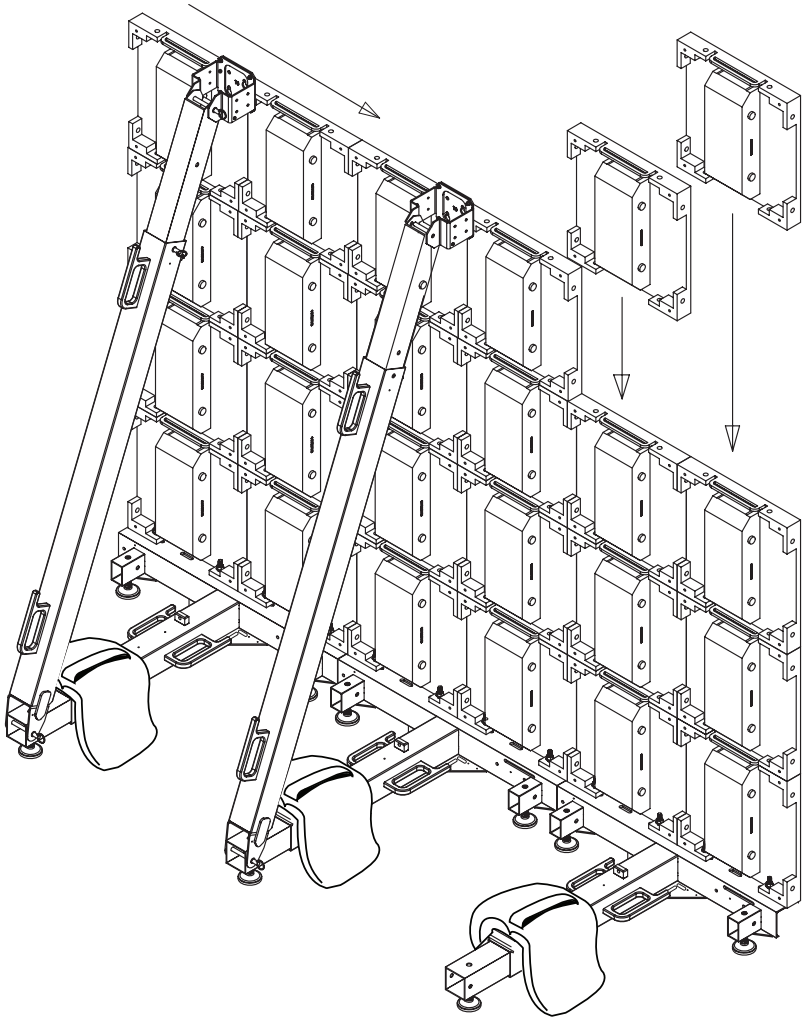


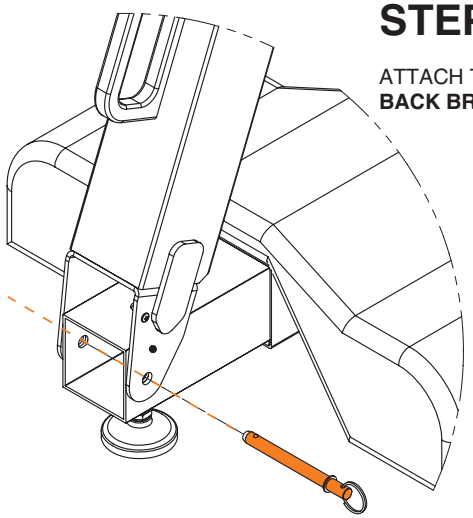
STEP 14

ATTACH THE SELECTED **LED TILE ADAPTERS** TO THE BACK STAYS

STEP 15 - Assembling Back Braces to the 4th Tier

WITH AN ASSISTANT SUPPORTING THE WALL, ASSEMBLE THE **FOURTH TIER** OF LED TILES AND LOOSEN THE UPPER CORNER SCREWS ENOUGH FOR THE LOWER KEY-HOLE SLOTS OF THE LED TILE ADAPTERS TO SLIP OVER.



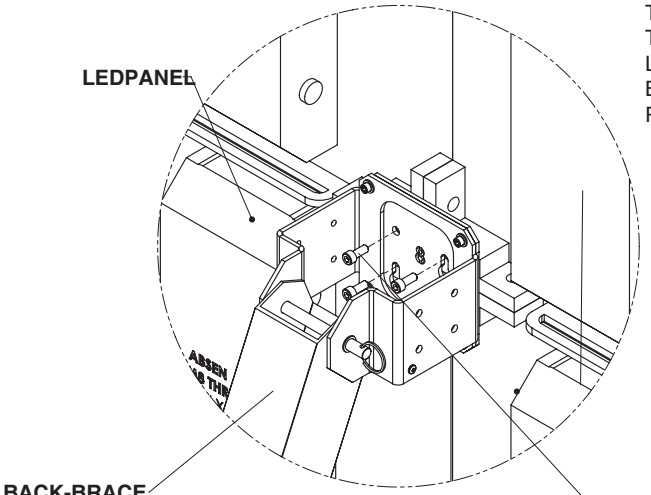


STEP 16

ATTACH THE **LOWER END OF THE BACK BRACE** TO THE END OF THE T-BASE.

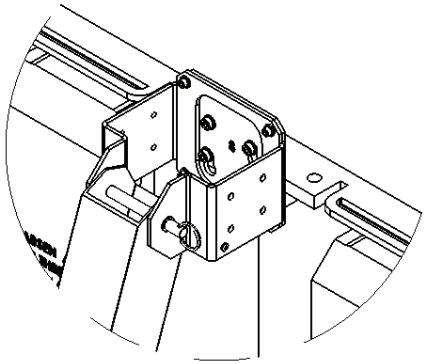
STEP 17

ATTACH THE **UPPER END OF THE BACK BRACE** TO THE TWO UPPER LOOSENED SCREWS OF THE LED TILES. ATTACH USING THE TWO LOWER KEY-HOLE SLOTS. ADJUST LENGTH OF BACK BRACE IF NECESSARY. REPEAT FOR THE REMAINING T-BASES.



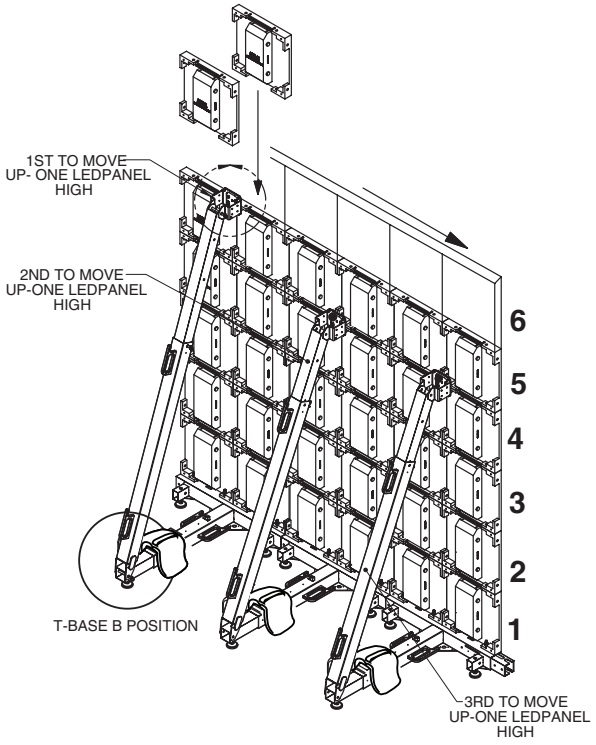
STEP18

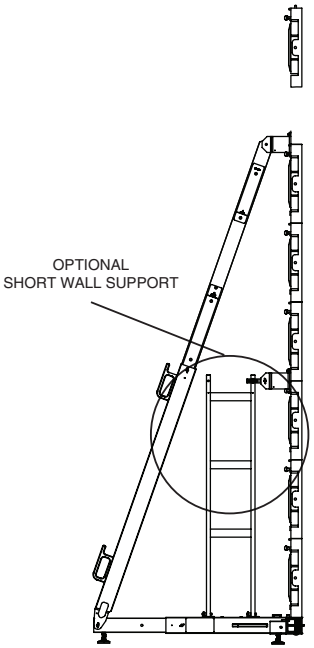
ASSEMBLE THE **FIFTH TIER** AND SECURE THE TILES LOWER CORNER SCREWS TO THE UPPER HOLES OF THE BACK STAY. LOCK INTO PLACE WITH THE FOURTH SCREW IN THE NON-SLOTTED SCREW HOLE.

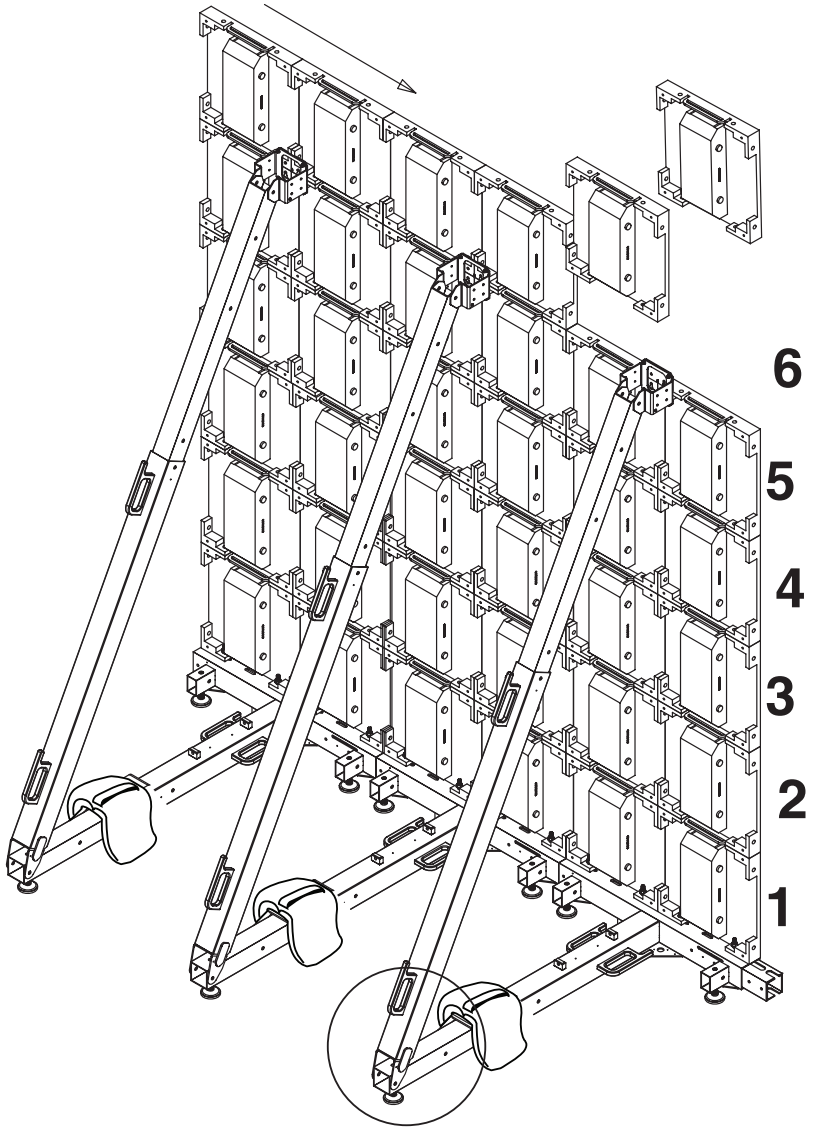


STEP19

ASSEMBLE THE **SIXTH TIER** TO THE FIFTH TIER. IF THE VIDEO WALL WILL GROW HIGHER THEN RAISE THE HEIGHT OF THE BACK BRACE, ONE BY ONE, TO THE NEXT HIGHER POSITION AS THE TILES ARE BEING ADDED. BE SURE THE T-BASE EXTENSIONS ARE ADJUSTED OUT TO THE C POSITION. THE SHORT WALL SUPPORT MAY BE INSTALLED AT THIS TIME FOR ADDED STRENGTH.

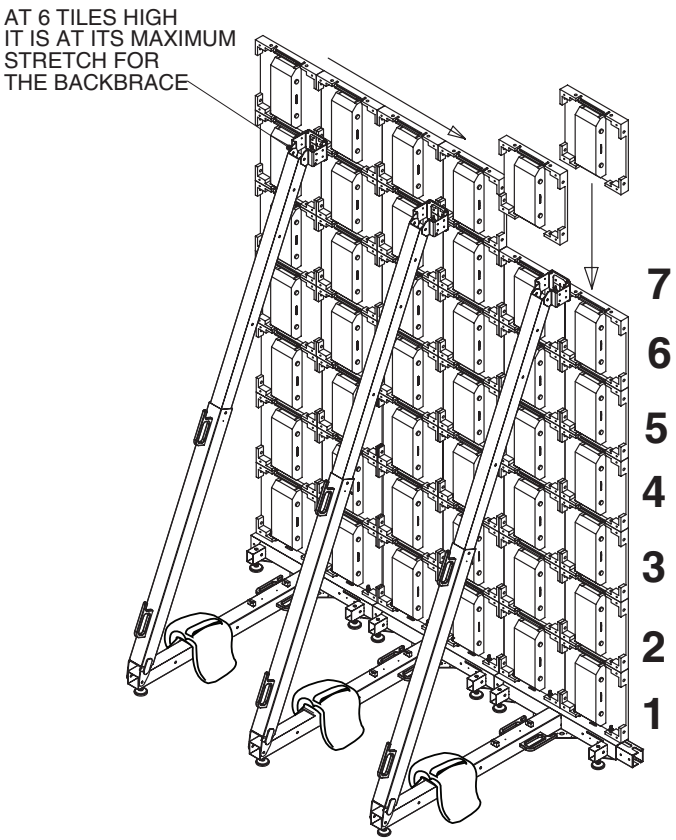






STEP 20

ASSEMBLE THE **SEVENTH TIER TO THE SIXTH TIER**. IF THE VIDEO WALL WILL GROW HIGHER THEN RAISE THE HEIGHT OF THE BACK BRACE, ONE BY ONE, TO THE NEXT HIGHER POSITION AS TILES ARE BEING ADDED. THE T-BASE EXTENSIONS MUST ALREADY BE ADJUSTED OUT TO THE C POSITION UNLESS A SOUND STRAPPING METHOD IS EMPLOYED IN PLACE OF BALLAST.

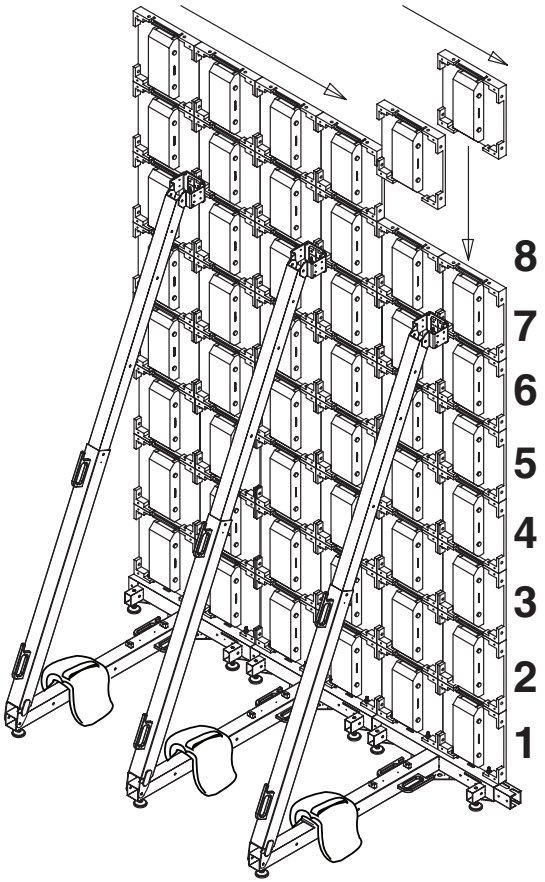


NOTE:

1. TAKE BACK BRACE WITH BACKSTAY AND MOVE IT TO THE CONNECTION ABOVE. THEN INSTALL LEDPANELS ACROSS. MOVE THE BACK BRACE UP TO THE NEXT CONNECTION LIKE THE FIRST ONE THEN INSTALL THE UPPER LEDPANELS.

STEP 21

ASSEMBLE THE **EIGHTH TIER TO THE SEVENTH TIER**.



STEP 22

ASSEMBLE THE **NINTH TIER TO THE EIGHTH TIER. THIS IS THE MAXIMUM ALLOWABLE HEIGHT.**