








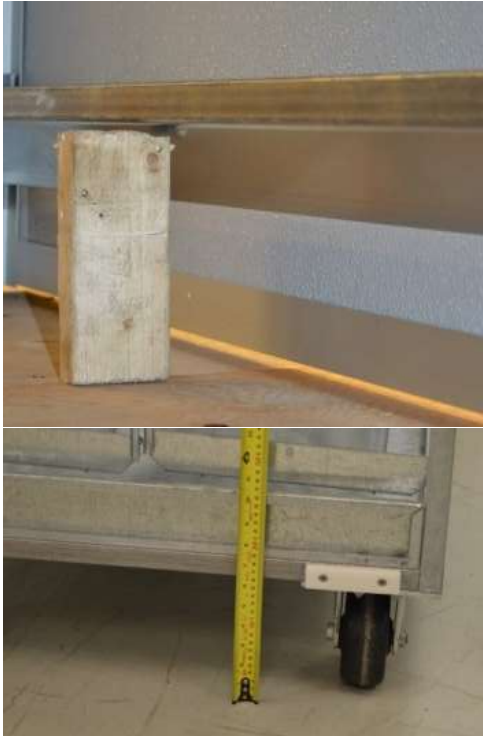

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		Revision No. 2	Approved By: S. Ditner


Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)																										
	<p>The following components are covered in this procedure:</p> <ul style="list-style-type: none"> • Side guide rails • Rear guide rails • Temperature probe installation • Humidity probe installation • Light bar installation 		<p>Throughout:</p> <p>Safety Shoes Safety Glasses Hearing protection as required Additional equipment as required by the site</p>																										
Side Guide Rails																													
OP100029 Step 1	<p>Each side guide rail consists of:</p> <table border="1"> <thead> <tr> <th rowspan="2">Part</th> <th colspan="2">Single Depth</th> <th colspan="2">Double Depth</th> </tr> <tr> <th>#</th> <th>Part #</th> <th>#</th> <th>Part #</th> </tr> </thead> <tbody> <tr> <td>Rail</td> <td>1</td> <td>MB20038</td> <td>1</td> <td>MB19947</td> </tr> <tr> <td rowspan="2">Baffles</td> <td rowspan="2">2</td> <td rowspan="2">MB20055</td> <td>3</td> <td>MB19948</td> </tr> <tr> <td>1</td> <td>MB19949</td> </tr> <tr> <td>Brackets</td> <td>3</td> <td>MB19994</td> <td>5</td> <td>MB19994</td> </tr> </tbody> </table>	Part	Single Depth		Double Depth		#	Part #	#	Part #	Rail	1	MB20038	1	MB19947	Baffles	2	MB20055	3	MB19948	1	MB19949	Brackets	3	MB19994	5	MB19994		
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OP100029 Step 2	 <p>Insert the PB3310 square plugs into either end of the side guide rails.</p> <p>Trim off any plastic shavings created while hammering the plug into the end.</p>	<p>Hammer Box cutter</p>																											
OP100029 Step 3	 <p>Drill out the bracket hole at either end through the plastic plug.</p>	<p>Cordless drill drill bit</p>																											




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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
<p>OP100029 Step 4</p> 	<p>Lay the baffles along the length of the guide rail. They will overlap at each joint.</p> <p>Note: Ensure the rails are a mirror image of each other for the double depth cabinet. The baffles will be attached to the left side of the rail for the left side of the cabinet, and the right side of the rail for the right side of the cabinet.</p> <p>Note: For double depth cabinets, there is one baffle piece that is shorter, and the side rails cannot be interchanged from side to side of the cabinet. It may be helpful to lay out your rail and then place the baffles inside the cabinet to ensure it is lined up with the extrusions.</p>		
<p>OP100029 Step 5</p> 	<p>Attach the mounting brackets to the rail, through the baffles with P5635 bolts, P454 washers and P6119 nuts.</p> <p>The long side of the bracket should fall along the baffle.</p> <p>The baffles at either end of the rail should not extend past the brackets.</p>	<p>Wrench/socket Screwdriver</p>	
<p>OP100029 Step 6</p> 	<p>Attach the rack guide baffles to the rack guide rail with self-drilling screws.</p>	<p>Cordless drill #2 Phillips driver bit</p>	



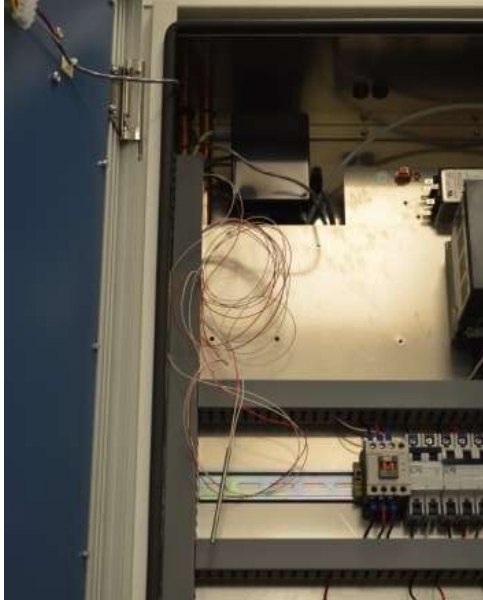
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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
<p>OP100029 Step 7</p> 	<p>Locate the side guide rails on the sides of the cabinet.</p> <p>It should be installed with the baffle facing the floor.</p>		
<p>OP100029 Step 8</p> 	<p>Using pieces of wood cut to 6.5" (165 mm) tall, support the rail off the floor, aligning the brackets with the wall extrusions.</p> <p>The baffle side of the rail should be facing downwards.</p> <p>Note: the guide rail must be 6.5" off the floor to equal the height to the bottom of the rack. It does not need to be level across the cabinet.</p> <p>Note: racks may be ordered with a different height caster. Always check the height of the rack before installing the side guide rails.</p>	<p>Circular saw Measuring tape</p>	
<p>OP100029 Step 9</p> 	<p>Secure to the wall at the bracket locations using P6200 self-drilling screws into the extrusions.</p> <p>Use 2 screws per bracket.</p>	<p>Cordless drill #2 Phillips driver bit</p>	



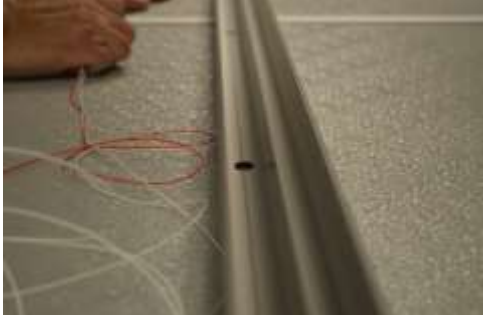

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
Rear Guide Rails			
OP100029 Step 10	<p>There are two rear guide rails, one for either side of the ECU.</p> <p>Each rear guide rail consists of a pre-assembled rail with fasteners.</p>		
OP100029 Step 11 	<p>Insert the PB3310 square plugs into either end of both rear guide rails.</p> <p>Trim off any plastic shavings created when inserting the plugs.</p>	Hammer Box cutter	
OP100029 Step 12 	<p>Loosely attach the back guide rail to the rear ECU support with a P5635 bolts, P454 washers, P6119 nuts. The washer should be located below the ECU support on the nut side of the bolts.</p> <p>Do not tighten.</p>		
OP100029 Step 13 	<p>Ensure that the brackets on the rear guide rail align with the appropriate extrusions.</p> <p>If they do not, report the error and order new rear guide rails. Check all other guide rails on site to ensure the remaining portion of the order correct.</p>		




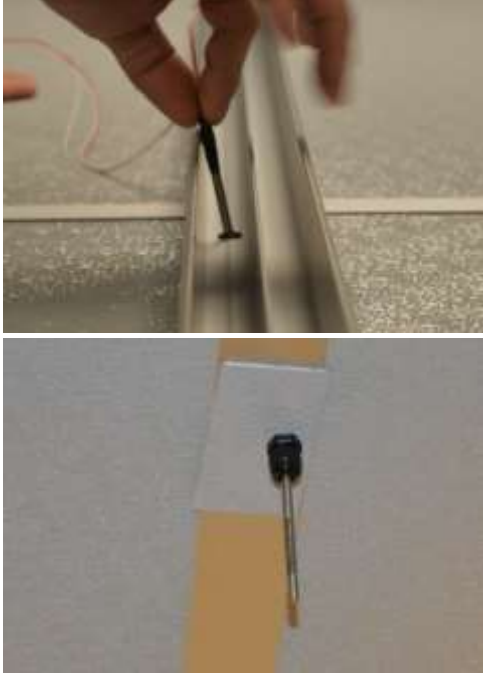
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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP100029 Step 14 	Secure the rear guide rails with self-drilling screws into the extrusions through the brackets, ensuring the rail is level.	Cordless drill #2 Phillips driver bit	
OP100029 Step 15 	Tighten the bolts at the ECU rear support bracket.	Wrench/socket Screwdriver	
Temperature Probe(s)			
OP100029 Step 16 	Locate the temperature probe inside the console.		




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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP100029 Step 17 	<p>Feed it out the left wire panduit, the holes in the console and into the center extrusion.</p> <p>The wires should run through a piece of the ¼" tubing shipped inside the bottom of the console, to protect them through the holes in the center roof extrusion.</p> <p>Run it down the left side of the center roof extrusion (low voltage).</p>		
OP100029 Step 18 	<p>Locate the pre-drilled hole in the middle of the left duct of the center roof extrusion.</p>		
OP100029 Step 19 	<p>Fit the hole with a PB3140B snap bushing from the top.</p>		
OP100029 Step 20 	<p>From inside the cabinet, apply silicone to the back of the MB20100 Temperature probe insulation plate and apply to the cabinet, lining up the hole with the hole in the extrusion.</p> <p>Ensure that the long edge of this plate is parallel with the edge of the extrusion.</p>	Caulking gun	





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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP100029 Step 21 	Locate a PB4529 Liquid tight connector and discard the lock nut.		
OP100029 Step 22 	Screw the connector into the pre-threaded hole in the center roof extrusion.		
OP100029 Step 23 	Apply 3-4 rounds of electrical tape to the top of the temperature probe, leaving approximately 3" exposed.		
OP100029 Step 24 	From outside the cabinet, gently feed the probe through the liquid tight and tighten the seal nut. 3" of the probe should be exposed, and the taped area should be located within the liquid tight.		


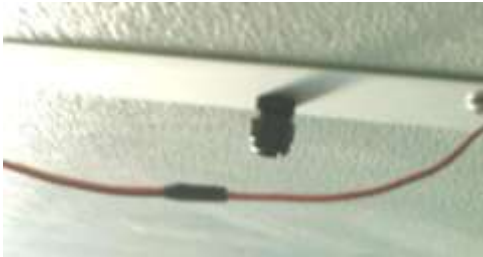


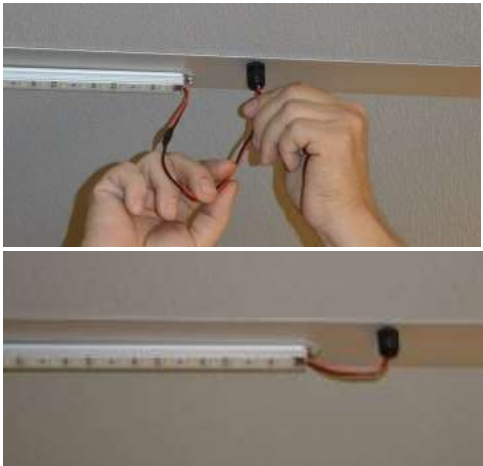
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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP100029 Step 25 	Tuck the wire into the raceway. You may use a piece of packing Styrofoam to anchor it into the raceway.		
OP100029 Step 26	Apply a bead of silicone to the edges of the insulation and around the liquid tight connector to seal.	Caulking gun	
Temperature Calibration Hole			
OP100029 Step 27	Calibration holes are required for the temperature probes and the Back up alarm temperature probes. These should be located 2-3" from the probe. Note: If a customer requests the BUA and regular temperature probe be located together, 1 calibration hole is adequate.		
OP100029 Step 28 	Drill a hole large enough to fit the calibration grommets through the cabinet, 2-3" to the left of the temperature probe. Note: Prototype temperature probe install shown.	Drill Drill bit	
OP100029 Step 29 	Cut a small piece off the end of the supplied copper pipe, approximately 1/8". Have one person hold the bottom grommet in place on the inside of the cabinet, while lowering the copper pipe from the top. Take care to ensure they slot together.	Long screwdriver Pipe cutter	




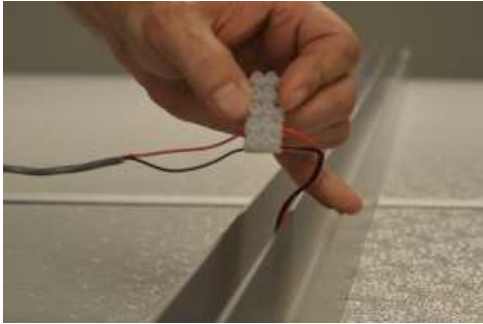
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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
<p>OP100029 Step 30</p> 	<p>Snap the top grommet in place, being sure to connect with the copper tubing.</p>		
<p>Humidity Sensor</p>			
<p>OP100029 Step 31</p> 	<p>Put the cap on the liquid tight fitting in the cabinet.</p> <p>Ensure it is loose.</p>		
<p>OP100029 Step 32</p> 	<p>Locate the humidity probe inside the console.</p> <p>Gently push it through the liquid tight until a small amount of the black on the probe is showing.</p> <p>Hand-tighten the liquid tight fitting.</p>		
<p>OP100029 Step 33</p> 	<p>Install the humidity probe wash-down protection bottle over the probe.</p> <p>This will protect it from accidental damage and also prepare the cabinet for wash-down before it is started up.</p>		

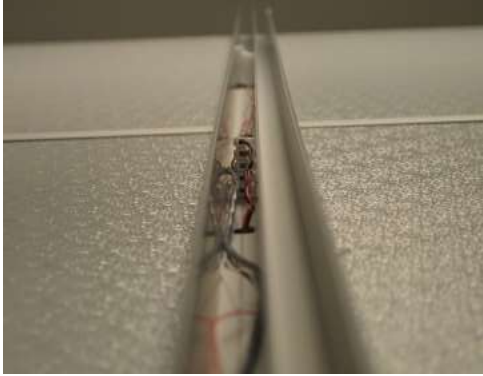


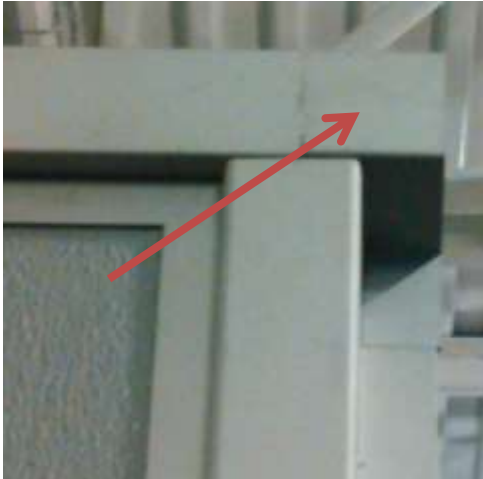
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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
Light Bar			
OP100029 Step 34 	Locate the pre-drilled hole in the center roof extrusion for the light bar. Insert a PG7 liquid tight without the locking nut into this hole.		
OP100029 Step 35 	Apply 4-5 rounds of electrical tape to the wires on the light bar, approximately 2" from the end of the light bar.		
OP100029 Step 36 	Apply silicone to the back of the light bar. Apply to the center roof extrusion, approximately 1-1/2" from the PG7 liquid tight. It should be centered on the center extrusion at the front, and then will need to be angled past the temperature probe.	Caulking gun	
OP100029 Step 37 	Affix the light bar using 2 – P6200 self-tapping screws.	Cordless drill #2 Phillips driver bit	
OP100029 Step 38 	Thread the wire through the PG7 connector. It may be helpful to have someone on the roof with a small screwdriver to gently guide the wires through. Tighten the PG7 liquid tight, ensuring it is on the taped portion of the wires.		



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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP100029 Step 39 	Insert the snap bushing once the wires are through, as it may cause issues when attempting to thread through the wires.		
OP100029 Step 40 	Locate the wire for the light bar in the console. It is grey, coiled and will have a terminal strip on the end. Remove the terminal strip.	Electrical screwdrivers	
OP100029 Step 41 	Thread the wire through the left wire hole in the top of the console and into the low voltage (left side) of the raceway on the center roof extrusion. Run the wire through a portion of the 1/4" tubing supplied in the bottom of the console to protect the wire as it passes through the center roof extrusion.		
OP100029 Step 42 	Cut any excess wire off, and re-strip the ends. Attach the terminal strip to both the wire from the light bar and the wire from the console, matching black to black and red to red.	Electrical screwdrivers	

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP100029 Step 43 	Tuck the wire and the terminal strip into the raceway.		
OP100029 Step 44 	Silicone around the outer edge of the light bar and around the liquid tight in the center roof extrusion.	Caulking gun	
Finishing Touches			
OP100029 Step 45  	Platinum machines are shipped with a small piece of header that may be used to finish the end of a bank, where the header only comes to the center of the end machine's corner post. Use silicone to hold this in place, and silicone the gaps where it meets the header and corner extrusion. Pre-drill the extrusion with a 3/8" bit and the hinge block with a 1.8" bit. Insert a self-drilling screw into the hinge block.	Caulking gun	

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
<p>OP100029 Step 46</p> <p><i>Before</i></p>  <p><i>After</i></p> 	<p>Order part MB31801 extrusion filler for finishing the end of a bank where there is a gap left from the rear corner extrusion.</p> <p>You may need more than one filler for each bank.</p> <p>Each piece of extrusion filler is 96" (2438 mm) long.</p> <p>Trim to fit cleanly and fully.</p> <p>Apply with silicone in the grooves. It is recommended to use painter's tape to hold the extrusion in place while the silicone dries.</p> <p>Silicone the gaps where the extrusions meet.</p>	<p>Caulking gun Painter's tape</p>	