

## **PORTA-DOCK, INC.**

### **AD15 AA DS & AP15 APD DS 4' X 16' L12**

### **AP82 APD DS 6' X 12' PLATFORM**

### **AW15 CPD DS 4' X 16' L12**

### **AW82 CPD DS 6' X 12' PLATFORM**

**\*For Beige Decking Add the Letter B to Model\***

**Thank you for purchasing our product!**

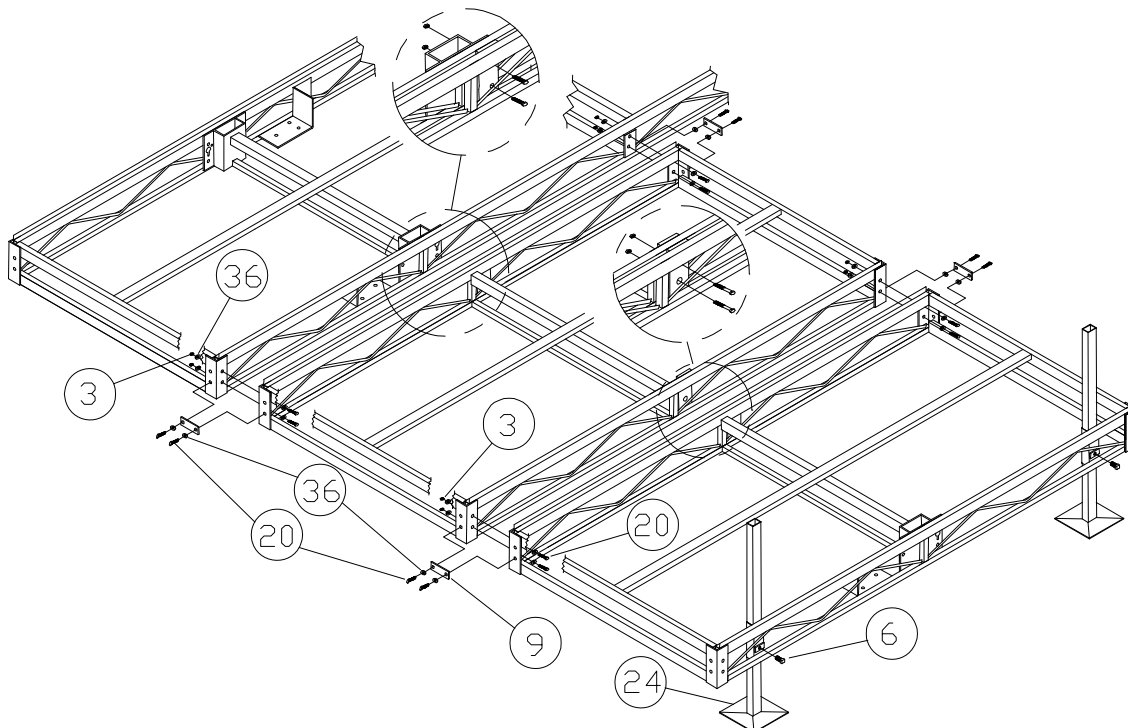
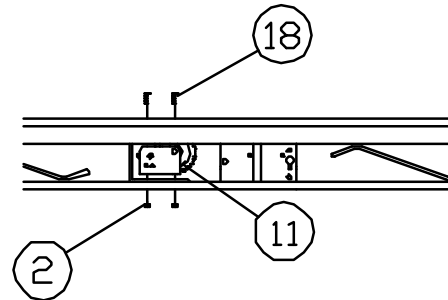
**\*Please read these instructions and follow them step by step. \***

**STEP 1A.** Decide if you want your L dock to the right or left. Lay the 8' section with no pockets to the side of the 16' wheel end section. Bolt 8' section to the side of the 16' wheel end section using 1/2" x 1 1/4" bolts, washers, and nuts (**REF. # 20, 36 & 3**).

Bolt dock connector brackets (**REF. # 9**) to the lower side holes of the angle with 1/2" x 1 1/4" bolts, washers and nuts. Next slide two support posts (**REF. # 24**) into the two outside corner pockets of the 8' section with the three pockets. Bolt the 8' section to the side of the other 8' section in the same manner as before. Put the set screws (**REF. # 6**) into the pockets. Bolt the center of the middle 8' section to the center of the outside 8' section and to the inside pocket of the 16' section using 1/2" x 2 1/2" bolts and nuts (**REF. # 15 & 3**).

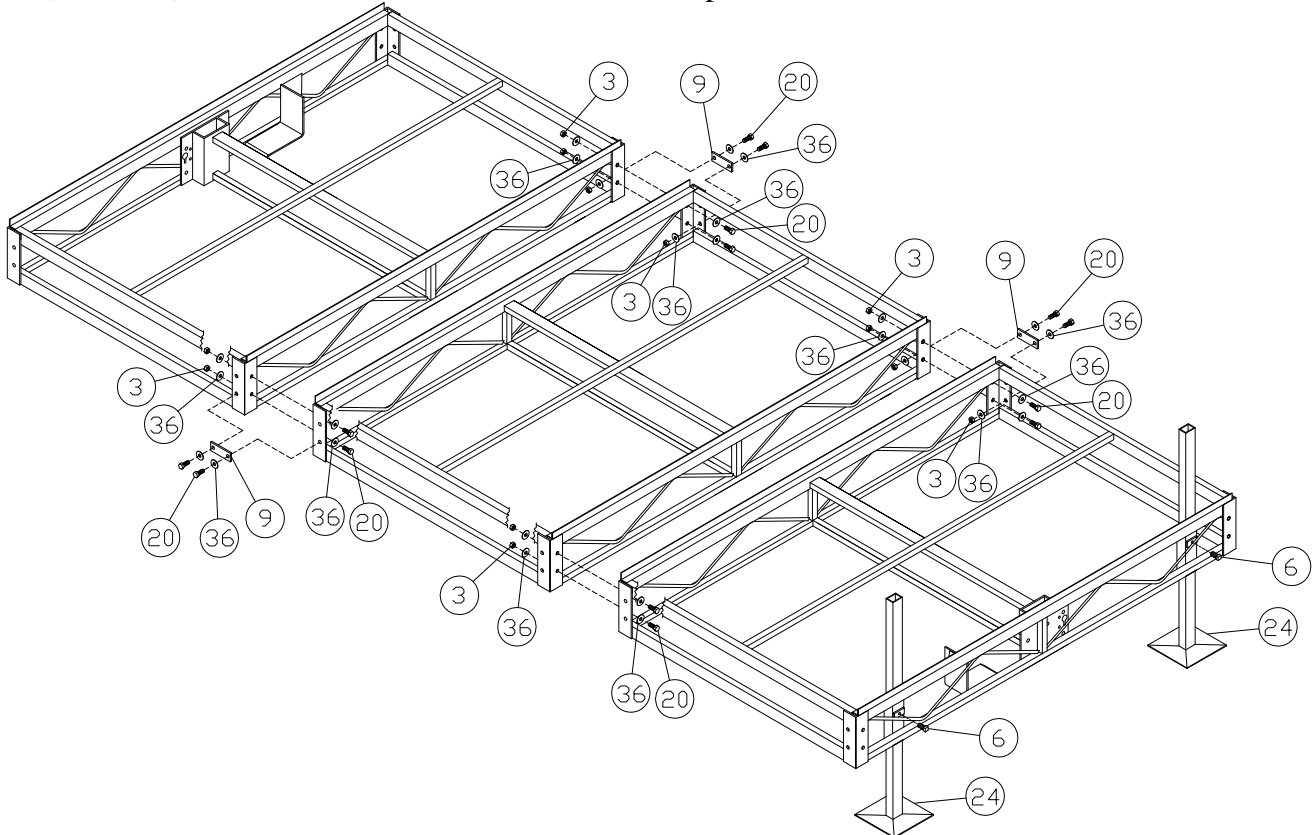
**NOTE: If assembling an AA dock, the center will have to be bolted together after step 5 when the dock is raised off the ground. Block the dock up about 2' behind winches on both the 8' and 16' sections.**

Bolt a winch (**REF. # 11**) to each winch plate with 3/8" x 1" bolts and nuts (**REF. # 18 & 2**), with the winch handle stub to the outside.

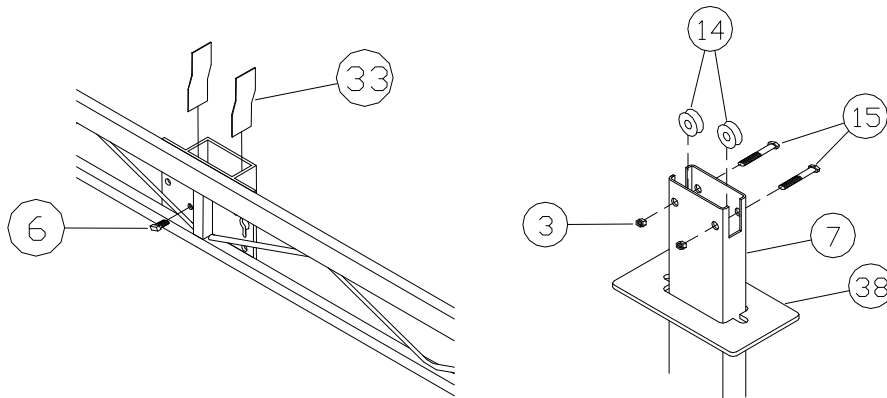


**STEP 1B. (6 X 12 platform only)**

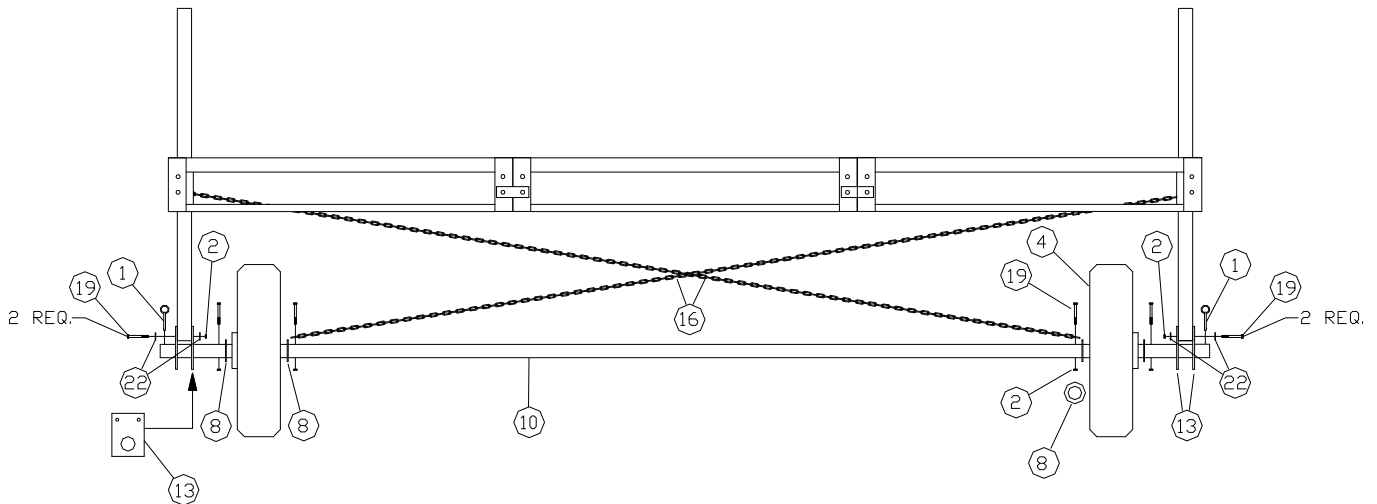
Bolt the center dock section with no pockets between the other two sections as shown with 1/2" x 1 1/4" bolts, washers and nuts (**REF. # 20, 36 & 3**). **Note: the docks are assembled so the pockets that are welded into the frames are to the outside of the assembly.** Bolt dock connector brackets (**REF. # 9**) to the lower side holes of the angle with 1/2" x 1 1/4" bolts, washers and nuts. Do not install a dock connector bracket where you will connect an add on section later. Next slide two support posts (**REF. # 24**) into the two outside corner pockets of the section with the three pockets. Temporarily secure the legs with 1/2" X 3/4" set screws (**REF. # 6**). Bolt the winches on as described in step 1A.



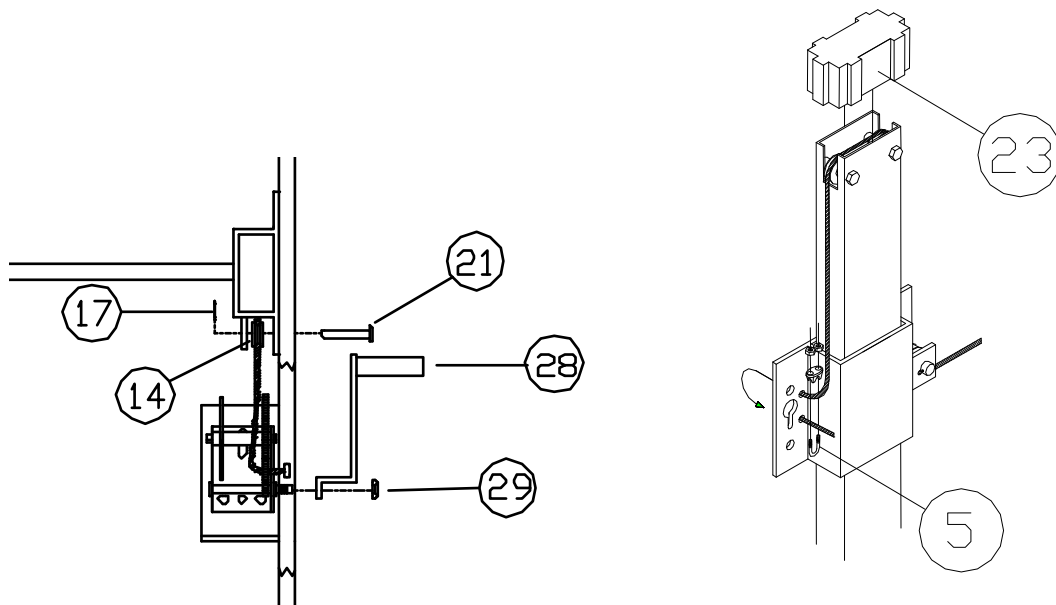
**STEP 2.** Apply the four nylon wear strips (**REF. # 33**) to the inside narrow ends of the large vertical lift member pockets. Pockets should be clean and dry and above 50 degrees. Slide a VLM cover plate (**REF. # 38**) onto each vertical lift member. Attach the dock pulleys (**REF. # 14**) with 1/2" x 2 1/2" bolts and nuts (**REF. # 15 and 3**) to top of vertical lift members (**REF. # 7**). Insert vertical lift members into pockets on each side of dock. Screw in set screws, leave loose at this time.



**STEP 3.** Attach the chains (**REF. # 16**) to the inside holes of the axle (**REF. # 10**) with a 3/8" x 3" bolt and nut (**REF. # 19 & 2**). Slide on the 3" washers (**REF. # 8**) then the dock wheels (**REF. # 4**) with the protruding hub to the outside onto the axle up to the chains, and then slide on the lift member brackets (**Ref. #13**). Place the 1/4" x 2 1/2" pin (**Ref. #1**) into the holes in the ends of the axle. Roll axle under dock, keeping axle centered with dock. Bolt lift member bracket (**Ref. #13**) to vertical lift members (**Ref. #7**) with 3/8" x 3" bolts, washers, and nuts (**Ref. #19, 22, & 2**).

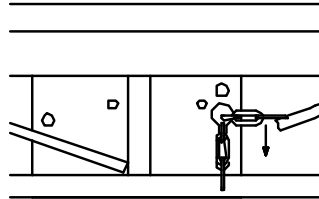


**STEP 4.** Bolt on winch handles (**Ref. #28**) with winch nut (**Ref. #29**). Attach lower dock pulleys (**Ref. #14**) to the winch side of the dock pockets with 1/2" x 2 3/4" pin between pocket and ear tab. Starting winch cable (**REF. # 12**) from the outside of the winch, pass cable through the hole on the side of the drum with the gears. Run cable through lower pulley, then up to pulleys on vertical lift members, and down to the top 13/32" hole in the pocket and back through the bottom 13/32" hole. Fasten with 3/16" cable clamp (**REF. # 5**). Work winches until cables are raising dock. You must alternate winches as the dock moves up or down. Place VLM pulley cover (**Ref. #23**) onto the vertical lift member.

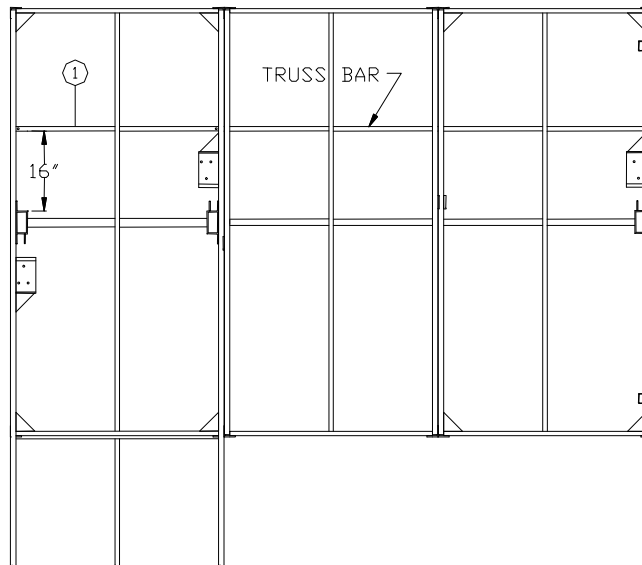


**STEP 5.** Raise dock high enough to be able to work on it. **CAUTION: Before working under the dock, be sure that the winches are locked and the set screws are tight.** Bring the top of chain (**REF. # 16**) up to the opposite side of dock, through the keyhole bracket, located on the vertical lift member pocket and lock in position by sliding the chain link down the keyhole slot. If assembling an AA dock, bolt the center of the 8' section to the inside pocket of the 16' section using 1/2" x 2 1/2" bolts and nuts (**Ref. #15 & 3**).

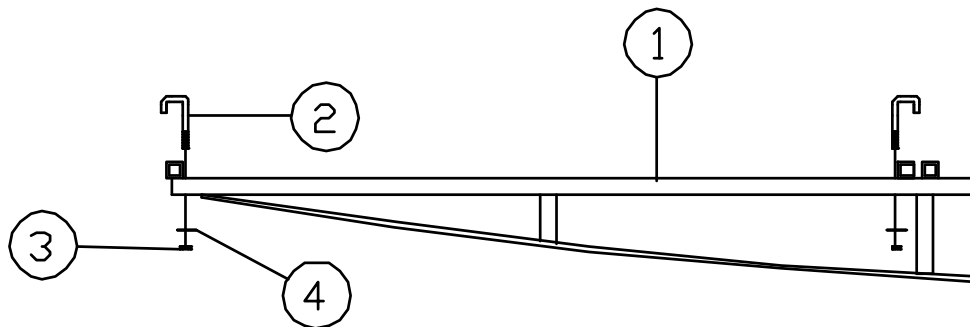
**NOTE:** If further adjustment of dock height is necessary loosen chains and set screws before adjusting.



**STEP 6.** Attaching the truss, turn the truss bar (**Ref. #1**) so that the end with the two holes is toward the 16' section. Place the truss bar underneath the docks frame so that is about 16" in front of the vertical lift member.



**STEP 7.** Fasten truss bar to the bottom one-inch square tube of the docks frame with the three J-hooks, 5/16" washers and lock nuts (**REF. # 2, 3 & 4**) as shown.



**NOTE:** After the panels are installed on the dock, slide a cover plate (**Ref. #37**) down each dock post and onto the deck. Place a rectangular post cap (**Ref. #25**) onto each post.

Before moving your dock into the water, make sure that the chains are not wrapped around the axle, and then pull the slack out of the chains by hooking them into the keyhole bracket. Roll your dock into position, and loosen the set screws on the VLM pocket. Adjust the dock to the desired height making sure that there is enough slack in the chains to accommodate the height you will be adjusting to. Once the desired height is reached, pull both the chains tight and then lower one side of the dock so the next link can be hooked into the keyhole slot and raise the dock back up to complete the tightening of the chain. Repeat on the other side. When finished with this, there should be no visible slack left in the chains, and they should be tight enough that you can't move them. Tighten the set screws in the VLM pocket. The cross chains are to help control the side-to-side stability of the end of the dock and need to be tight. Once set they only need to be adjusted if the height of the dock is changed. **WARNING: before raising the dock it is necessary to loosen both of the chains and the set screws, or serious damage to the dock may occur.** When tightening the set screws, they should be tightened until they are snug against inside leg, and then tightened 1 1/2 to 2 turns more. Check the set screws after a couple of uses and retighten if necessary.

When moving dock into and from lake, lower dock to lowest level possible.

**AD15- DS 4'X 16' L12-AA / AP15- DS 4'X 16' L12-APD**  
**AW15- 4'X 16' L12-CPD ALUMINUM PORTA-DOCK**

REF. #	PART NO.	DESCRIPTION	QUANTITY		
			APD	CPD	AA
1	5270	1/4" x 2 1/2" PIN SS	2	2	2
2	5056	3/8" NUT	12	12	12
3	5058	1/2" NUT	24	24	24
4	4002	TIRE PLASTIC MOLDED	2	2	2
5	5003	3/16" CABLE CLAMP	2	2	2
6	5170	1/2" X 3/4" SET SCREW	4	4	4
7	30084	VERTICAL LIFT MEMBER	2	2	2
8	5077	3" WASHER	2	2	2
9	10200	DOCK CONNECTOR BRACKET	4	4	4
10	30082	AXLE FOR APD, CPD	1	1	-
10	30089	AXLE FOR AA	-	-	1
11	3005	WINCH DL1100	2	2	2
12	3050	CABLE 3/16" X 15'	2	2	2
13	30088	LIFT MEMBER BRACKET	4	4	4
14	3300	PULLEY SHEAVE 1 1/2"	6	6	6
15	5120	1/2" X 2 1/2" BOLT	8	8	8
16	3070	CHAIN 3/16" X 13'	2	2	2
17	5025	1/8" X 1" COTTER PIN	2	2	2
18	5081	3/8" X 1" BOLT	6	6	6
19	5084	3/8" X 3" BOLT	6	6	6
20	5126	1/2" X 1 1/4" BOLT	16	16	16
21	5008	1/2" X 2 3/4" PIN	2	2	2
22	5070	3/8" WASHER	8	8	8
23	3804	VLM PULLEY COVER	2	2	2
24	C30	8'ALUMINUM DOCK POST	2	2	2
25	3803	RECTANGULAR POST CAP	2	2	2
28	3008	DL WINCH HANDLE	2	2	2
29	5066	DL WINCH NUT	2	2	2
33	4112	8 1/2" VLM WEAR PAD	4	4	4
34	4108	FOAM TAPE- 16' ROLL	7	-	-
36	5069	7/16" WASHER	32	32	32
37	3840	COVER PLATE APD WHITE	2	-	-
	3845	COVER PLATE APD BEIGE	2	-	-
	3841	COVER PLATE CPD BROWN	-	2	-
38	C120	AA VLM COVER PLATE PKG	-	-	1
	3850	VLM COVER PLATE APD WHITE	2	-	-
	3851	VLM COVER PLATE APD BEIGE	2	-	-
	3852	VLM COVER PLATE CPD BROWN	-	2	-

**TRUSS BAR**

<b>REF. #</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>APD</b>	<b>CPD</b>	<b>AA</b>
1	F63	APD, CPD TRUSS BAR	1	1	-
	F64	AA TRUSS BAR	-	-	1
2	5031	5/16" J-BOLT	3	3	3
3	5068	5/16" WASHER	3	3	3
4	5054	5/16" NUT	3	3	3

**FRAMES**

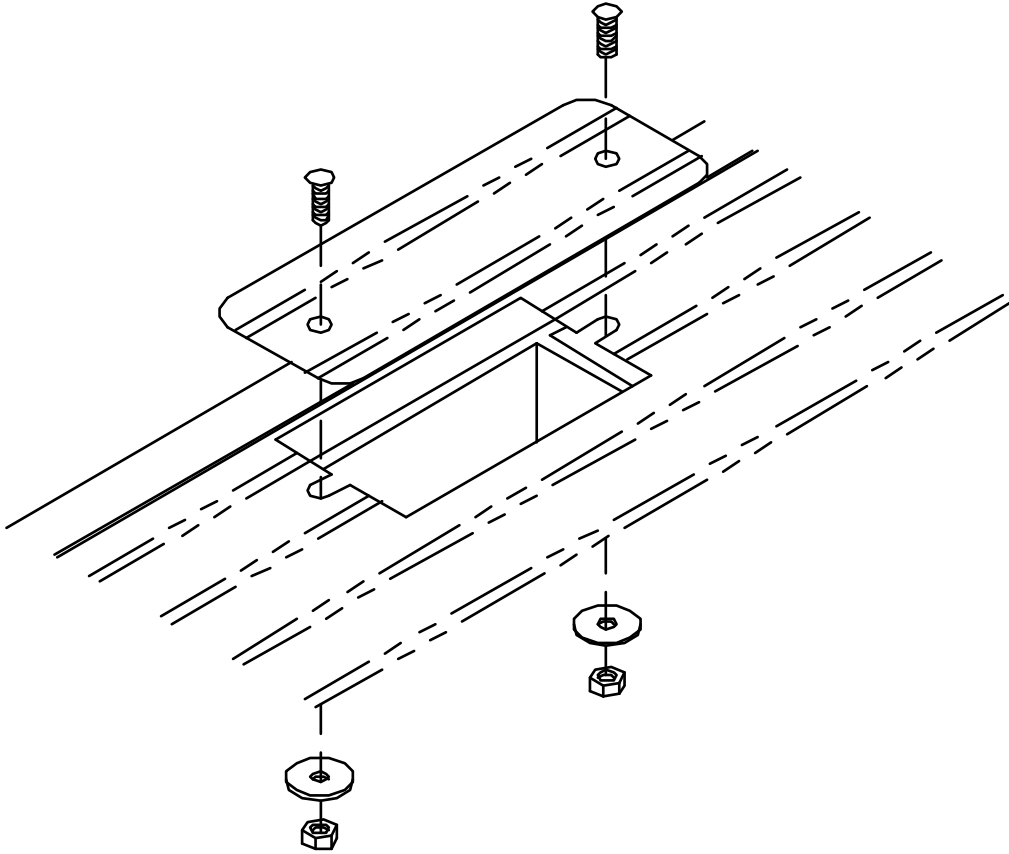
<b>REF. #</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>APD</b>	<b>CPD</b>	<b>AA</b>
	M60	4'X 16' APD/CPD WHEEL END	1	1	-
	M20	4'X 16' AA WHEEL END	-	-	1
	M70	4'X 8' APD/CPD L12 CENTER SECT.	1	1	-
	M27	4'X 8' AA L12 CENTER SECT.	-	-	1
	M69	4'X 8' APD/CPD L12 L SECT.	1	1	-
	M26	4'X 8' AA L12 L SECT.	-	-	1
	MS01	4' X 6'5" L PLATFORM SECT.	1	1	-
	MS02	4' X 6'5" CENTER PLATFORM SECT.	1	1	-
	MS03	4' X 6'5" L PLATFORM SECT. 2 PKT.	1	1	-

**PANELS**

<b>REF. #</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>APD</b>	<b>CPD</b>	<b>AA</b>
	B86(B)	4'X 4' ALUM PL STRAIGHT	4	-	-
	B53	4'X 4' CEDAR PL STRAIGHT	-	4	-
	B90(B)	4'X 4' ALUM PL RIGHT CUTOUT	1	-	-
	BB62	4'X 4' CEDAR PL RIGHT CUTOUT	-	1	-
	B89(B)	4'X 4' ALUM PL LEFT CUTOUT	1	-	-
	BB61	4'X 4' CEDAR PL LEFT CUTOUT	-	1	-
	B91(B)	4'X 4' ALUM PL RIGHT CUTOUT	1	-	-
	BB64	4'X 4' CEDAR PL RIGHT CUTOUT	-	1	-
	B92(B)	4'X 4' ALUM PL L12 LEFT CUTOUT	1	-	-
	BB63	4'X 4' CEDAR PL L12LEFT CUTOUT	-	1	-
	B115(B)	4' X 3' ALUM PL STRAIGHT	2	-	-
	B111(B)	4' X 3' ALUM PL L12 CUTOUT	1	-	-
	B112(B)	4' X 3' ALUM PL L RIGHT CUTOUT	1	-	-
	B113(B)	4' X 3' ALUM PL L12 RIGHT CUTOUT	1	-	-
	B114(B)	4' X 3' ALUM PL L12 LEFT CUTOUT	1	-	-
	B53	4' X 4' CEDAR PL STRAIGHT	-	1	-
	BB47	4' X 4' CEDAR PL VLM LT CUTOUT	-	1	-
	BB48	4' X 4' CEDAR PL VLM CUTOUT	-	1	-
	BB49	2.5' X 4' CEDAR PL ADD RT CUTOUT	-	1	-
	BB8	2.5' X 4' STRAIGHT	-	2	-

## C120 AA COVER PLATE PKG

<u>PART #</u>	<u>DESCRIPTION</u>	<u>APD</u>	<u>CPD</u>	<u>AA</u>
5067	FENDER WASHER 3/8"	-	-	2
5150	CARRIAGE BOLT 1/4" X 3/4" GR 2	-	-	2
5055	NUT FIN 1/4"	-	-	2
10120	AA COVER PLATE 2.75" X 8" NEW '03	-	-	1





## Wheel dock height adjustment instructions

Before moving your dock into the water, make sure that the chains are not wrapped around the axle, and then pull the slack out of the chains by hooking them into the keyhole bracket. Roll your dock into position, and loosen the set screws on the VLM pocket. Adjust the dock to the desired height making sure that there is enough slack in the chains to accommodate the height you will be adjusting to. Once the desired height is reached, pull both the chains tight and then lower one side of the dock so the next link can be hooked into the keyhole slot and raise the dock back up to complete the tightening of the chain. Repeat on the other side. When finished with this, there should be no visible slack left in the chains, and they should be tight enough that you can't move them. Tighten the set screws in the VLM pocket.

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