

AD17 AA DS 4' X 16' T12

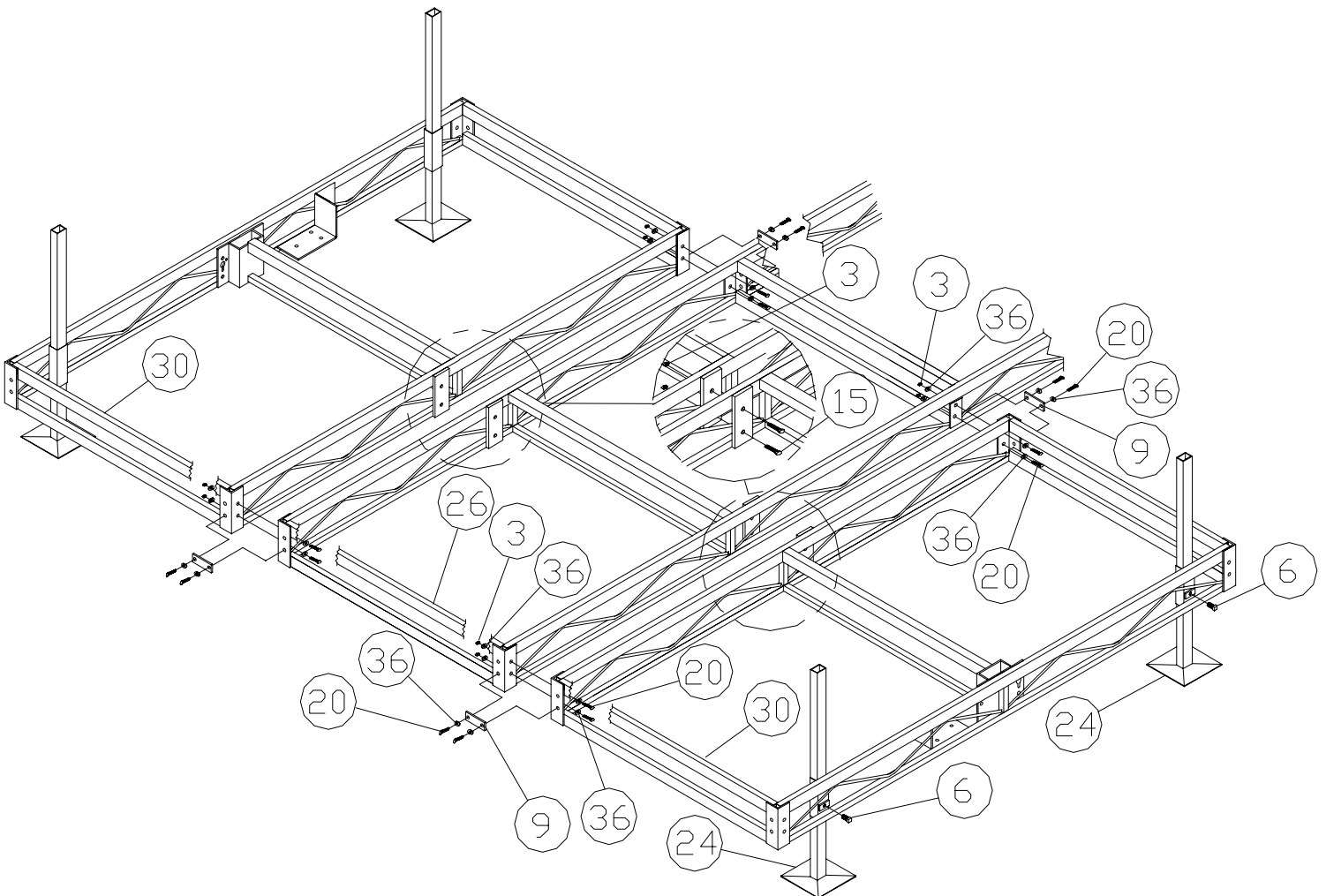
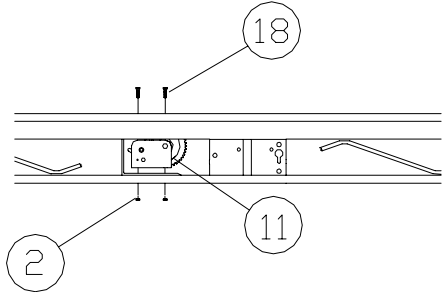
Thank you for purchasing our product!

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

STEP 1. Slide two support posts (**REF. # 24**) into the two outside corner pockets of each 8' section (**REF. # 30**). Bolt an 8' section to each side of the 16' wheel end section using 1/2" x 1 1/4" bolts, washers, and nuts (**REF. # 20, 36 & 3**). Bolt the dock connector brackets (**REF. # 9**) to the lower end holes of the angle with 1/2" x 1 1/4" bolts, washers and nuts. Put the set screws (**REF. # 6**) into the pockets.

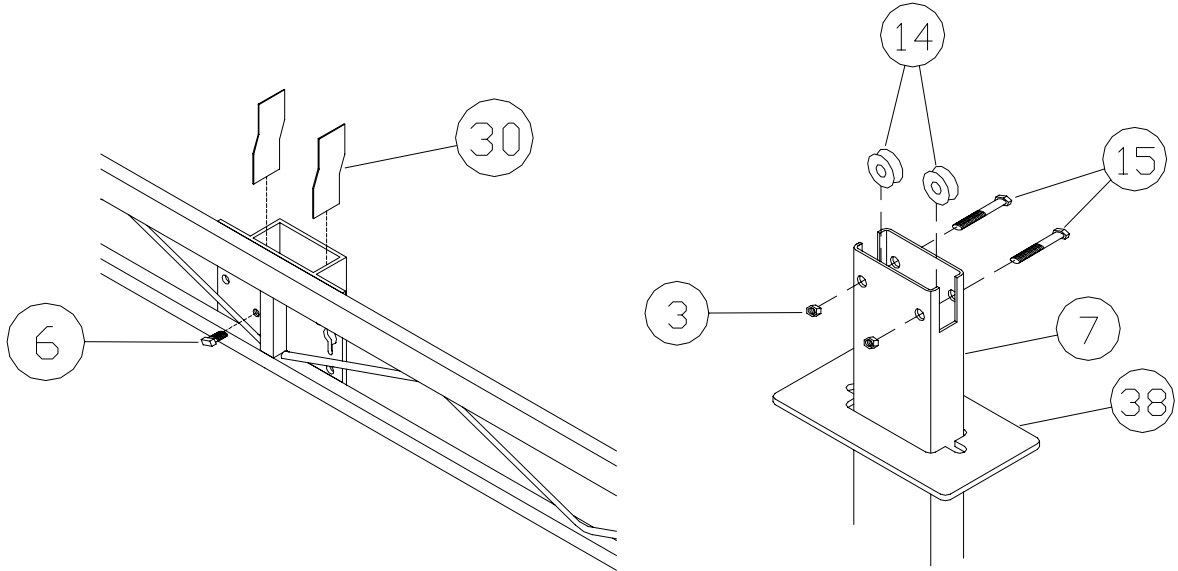
NOTE: the center plates will have to be bolted together after step 5 when the dock is raised off the ground.

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

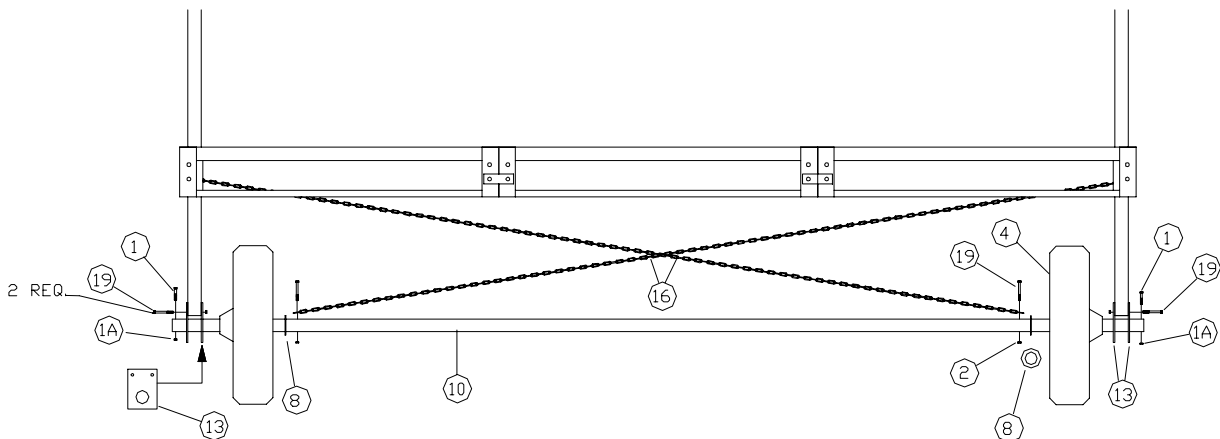


Drawing is shown without decking for clarity

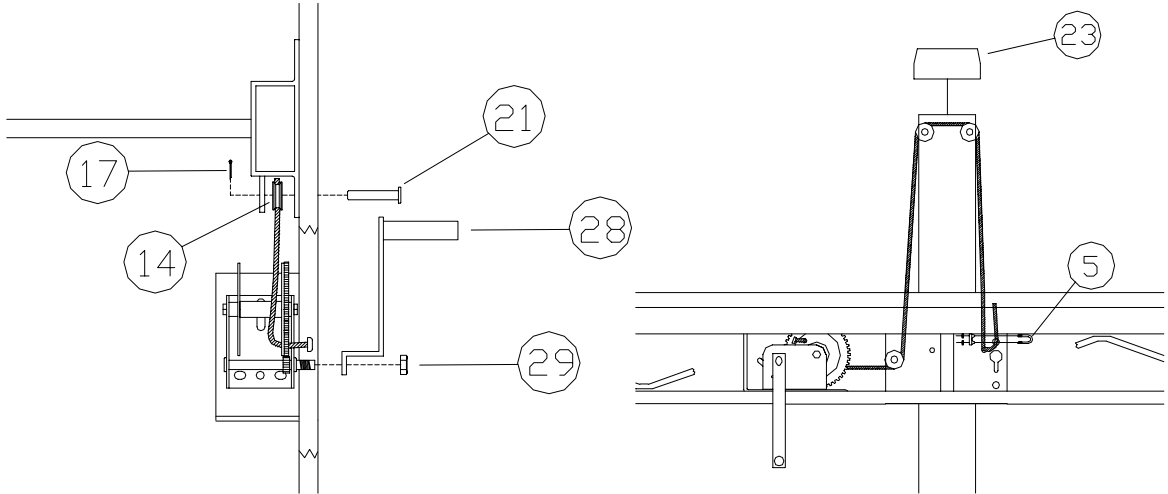
STEP 2. Apply the four nylon wear strips (**REF. # 33**) to the inside narrow ends of the large vertical lift member pockets. Pockets should be clean and dry and above 50 degrees. Slide a VLM cover plate (**REF. # 38**) onto each vertical lift member. Attach the dock pulleys (**REF. # 14**) with 1/2" 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" bolt (**Ref. #1**) into the holes in the ends of the axle and screw on the 1/4" acorn nut (**REF. # 1A**). 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 and nuts (**Ref. #19 & 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 holes on opposite side of pocket. 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.

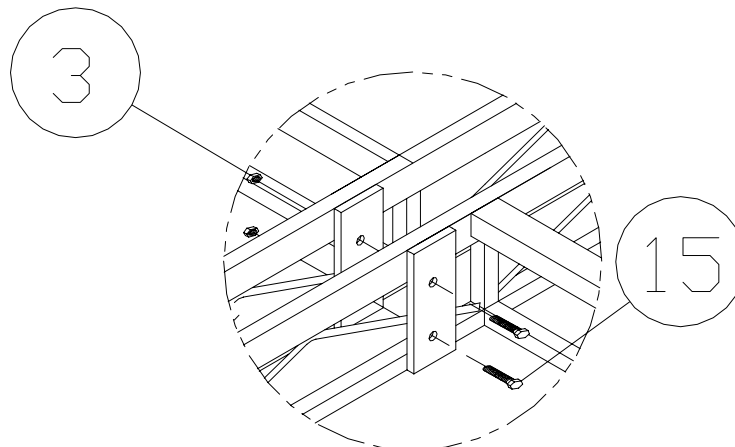
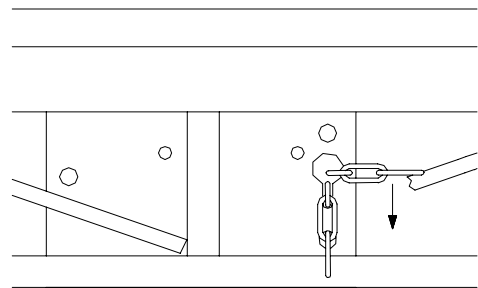


STEP 5. Raise dock high enough to be able to work on it.

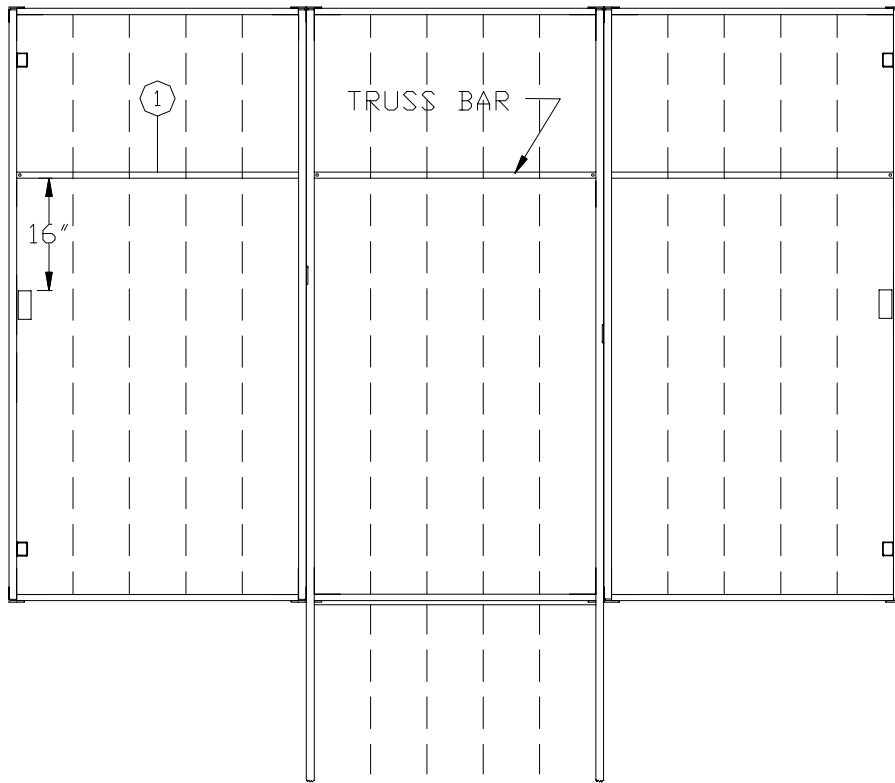
CAUTION: Before working under dock, be sure that the winches are locked and the set screws are tight.

Bring 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. 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**).

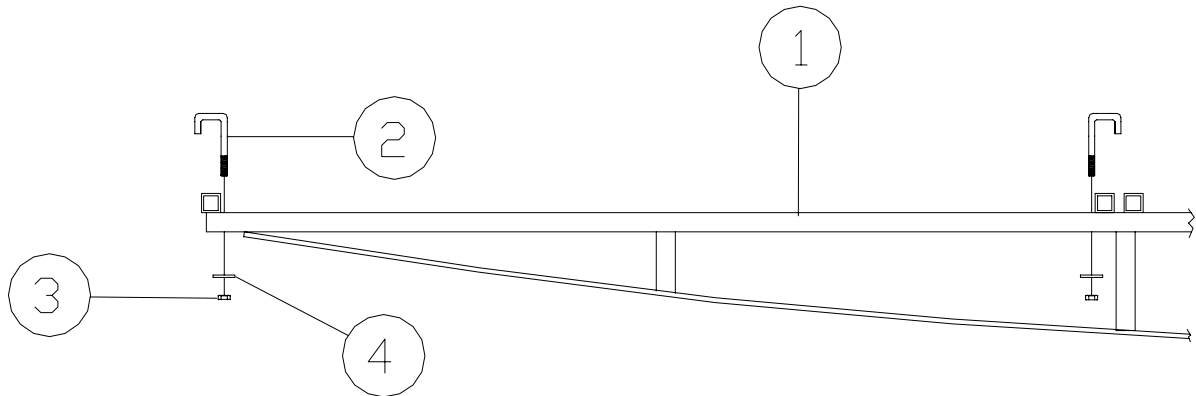
NOTE: If further adjustment of dock height is necessary loosen chains and set screws before adjusting.



STEP 6 Place the truss bar (**Ref. #1**) 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, 4, & 3**) as shown.



Place a rectangular post cap (**Ref. #25**) onto each post. Your dock is now ready to move into the water and be adjusted to the desirable height. When dock is at desired height, chains should be tight. If the chains are not tight, lower dock 3" to 4" and tighten chains. Raise the dock back to the desired height and re-check tightness of the chains.

AD17- DS 4'X 16' T12-AA PORTA-DOCK

REF. #	PART NO.	DESCRIPTION	QTY
1	5153	1/4" x 2 1/2" BOLT	2
1A	5041	1/4" ACORN NUT	2
2	5056	3/8" NUT	12
3	5058	1/2" NUT	24
4	4002	TIRE PLASTIC MOLDED	2
5	5003	3/16" CABLE CLAMP	2
6	5170	1/2" X 3/4" SET SCREW	4
7	30084	VERTICAL LIFT MEMBER	2
8	5077	3" WASHER	2
9	10200	DOCK CONNECTOR BRACKET	4
10	30089	AXLE FOR AA	1
11	3005	WINCH DL1100	2
12	3050	CABLE 3/16" X 15'	2
13	30088	LIFT MEMBER BRACKET	4
14	3300	PULLEY SHEAVE 1 1/2"	6
15	5120	1/2" X 2 1/2" BOLT	8
16	3070	CHAIN 3/16" X 13'	2
17	5025	1/8" X 1" COTTER PIN	2
18	5081	3/8" X 1" BOLT	6
19	5084	3/8" X 3" BOLT	6
20	5126	1/2" X 1 1/4" BOLT	16
21	5008	1/2" X 2 3/4" PIN	2
23	3804	VLM PULLEY COVER	2
24	C30	8' ALUMINUM DOCK POST	4
25	3803	RECTANGULAR POST CAP	4
28	3008	DL WINCH HANDLE	2
29	5066	DL WINCH NUT	2
33	4112	8 1/2" VLM WEAR PAD	4
36	5069	7/16" WASHER	32
38	C120	AA VLM COVER PLATE PKG	1

TRUSS BAR

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

FRAMES

<u>REF. #</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
26	M20	4'X 16' AA WHEEL END	1
30	M26	4'X 8' AA L12 L SECTION	2