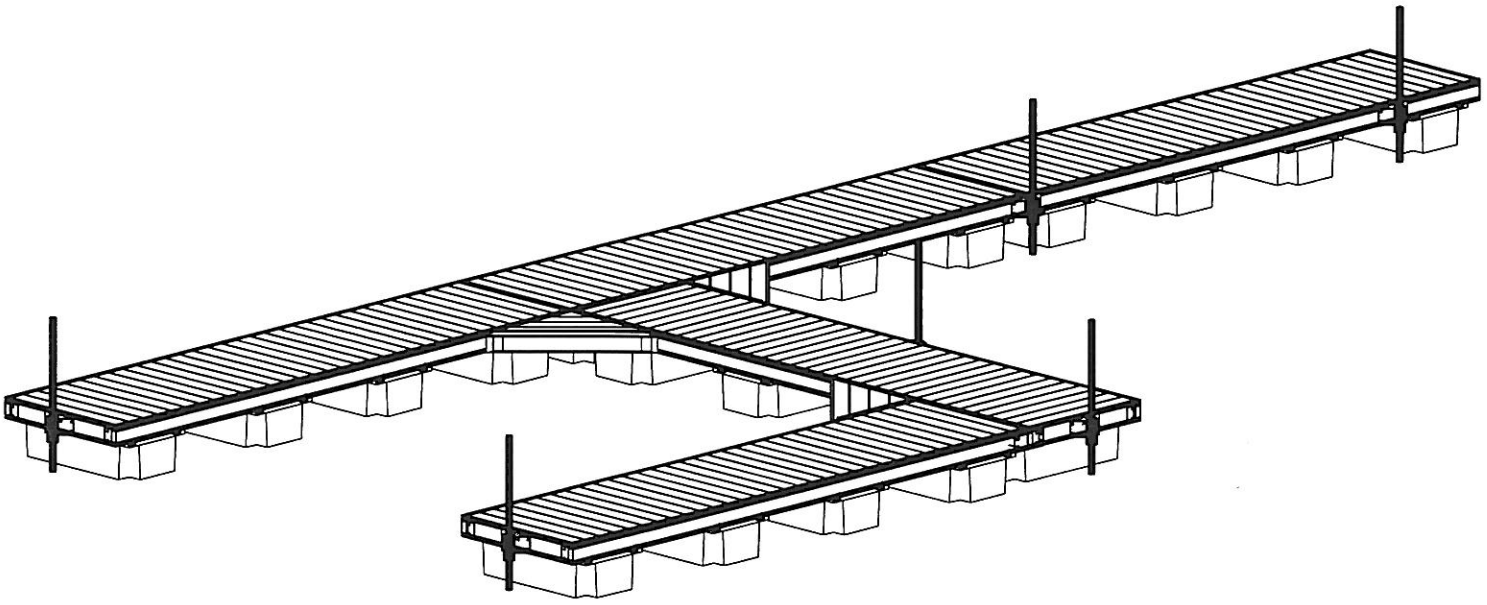
SHOREMASTER

Floating Dock
Assembly Instructions



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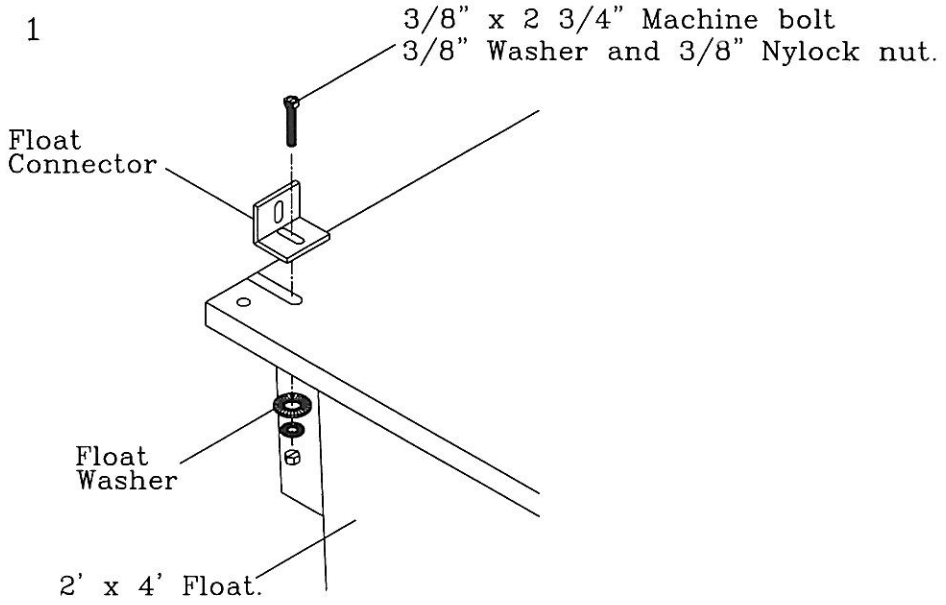
60176C.dwg

FLOAT CONNECTION ON STRAIGHT, FLOATING DOCK

STEP 1. Attach four connector angles to each float with (1) 3/8" x 2 3/4" machine bolt, (1) float washer, (1) 3/8" washer and (1) Nylock nut, per connector. The long slot in the connector angle goes toward the float. The bolt goes through the slot in the float as shown in figure 1. Do not tighten these bolts at this time.

NOTE: Nylock nuts must not be reused. If a Nylock nut is removed it must be replaced with a new Nylock nut.

Fig. 1

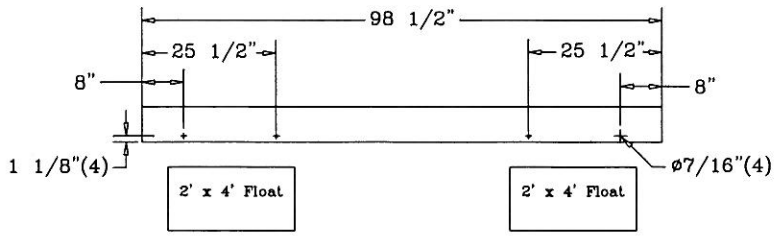


STEP 2.

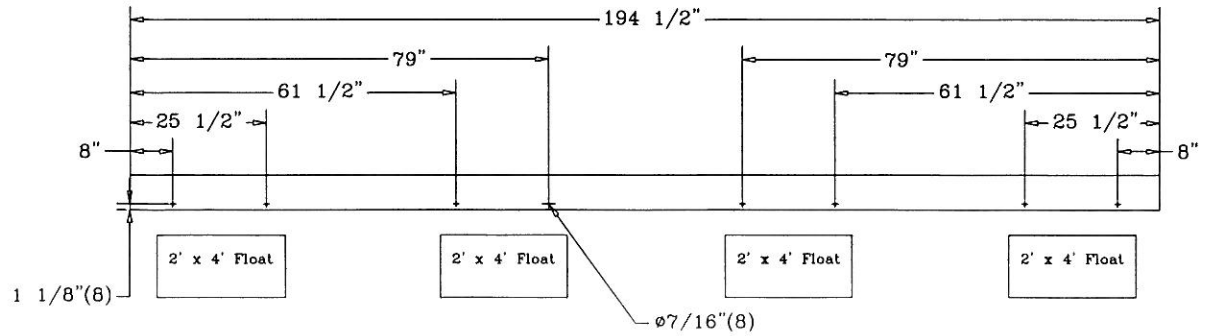
Two holes will be drilled in each side of the dock to connect each float (a total of 4 holes per float). Mark the locations of the holes according to the dimensions in figure 2. Drill a 7/16" hole at each mark.

Fig. 2

8' Floating Dock, Float Connector placement.



16' Floating Dock, Float Connector placement.



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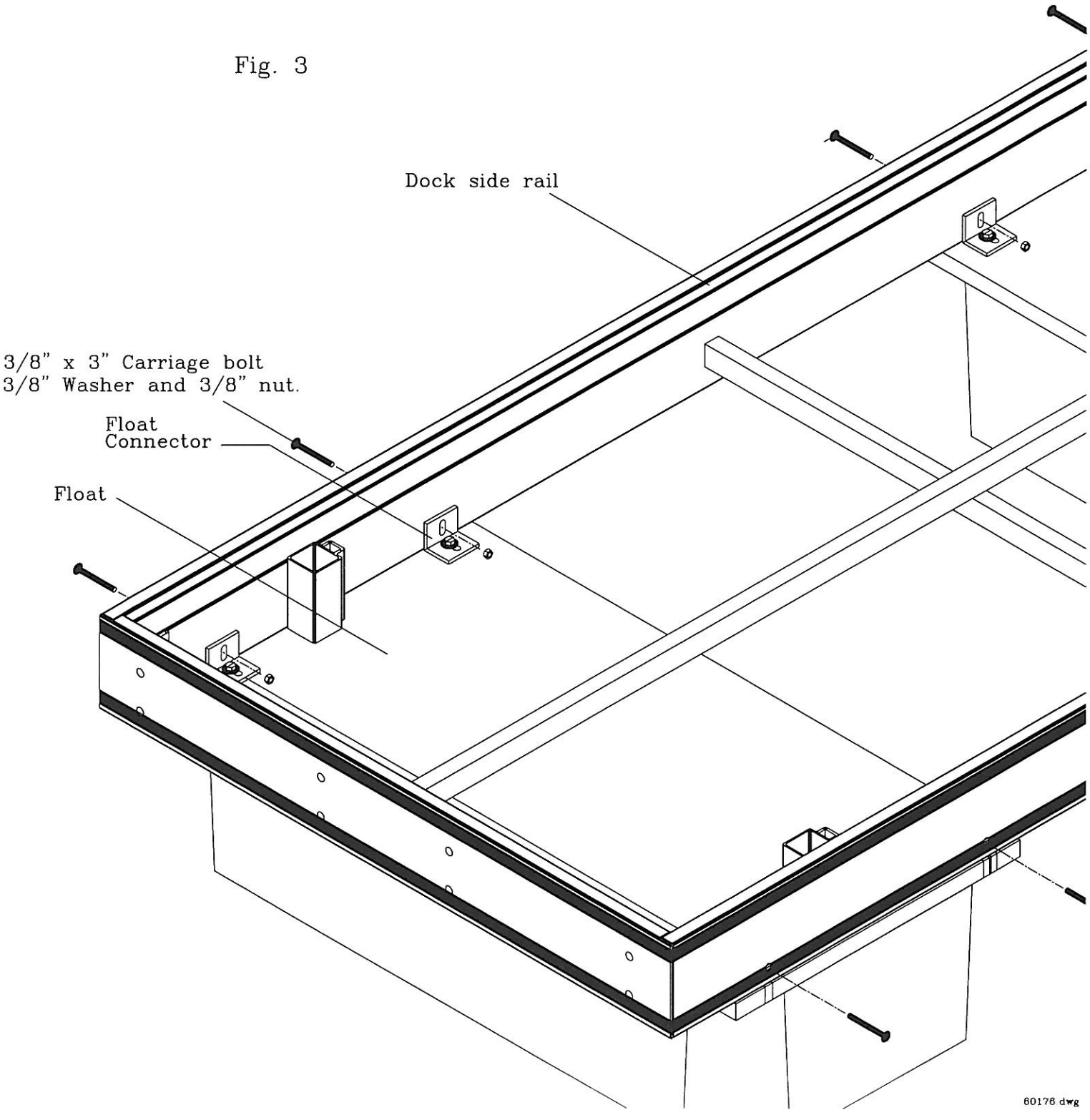
STEP 3. Place the float with the attached connectors under the dock frame. Attach the float to the dock frame with (1) 3/8" x 3" carriage bolt, (1) 3/8" washer and (1) 3/8" nut at each connector as shown in figure 3. Tighten all nuts at this time.

Fig. 3

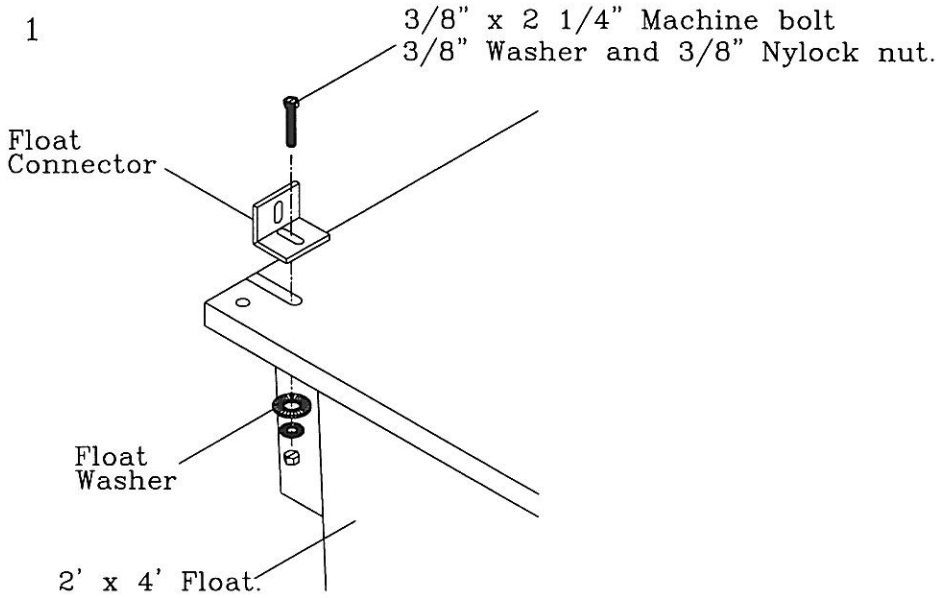


FLOAT CONNECTION FOR SIDE BY SIDE, FLOATING DOCK

STEP 1. Attach four connector angles to each float with (1) 3/8" x 2 1/4" machine bolt, (1) float washer, (1) 3/8" washer and (1) Nylock nut per connector. The long slot in the connector angle goes toward the float . The bolt goes through the slot in the float as shown in figure 1. Do not tighten these bolts at this time.

NOTE: Nylock nuts must not be reused. If a Nylock nut is removed it must be replaced with a new Nylock nut.

Fig. 1

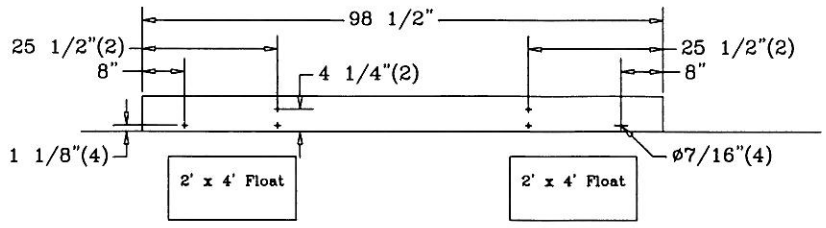


STEP 2.

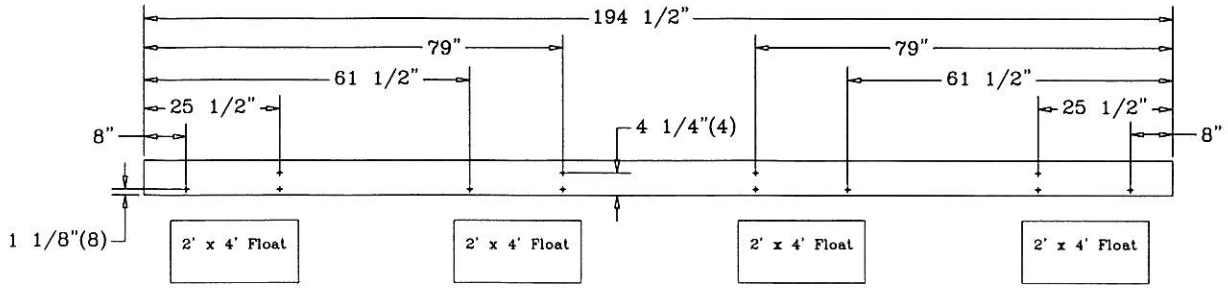
Two holes will be drilled in each side of the dock to connect each float (a total of 4 holes per float). Additional holes will be drilled to connect the two docks side by side (2 for the 8' dock and 4 for the 16' dock). Mark the location of the holes according to the dimensions in figure 2. Drill a 7/16" hole at each mark.

Fig. 2

8' Floating Dock, Float Connector placement.
for Side by Side Connection.



16' Floating Dock, Float Connector placement.
for Side by Side Connection.



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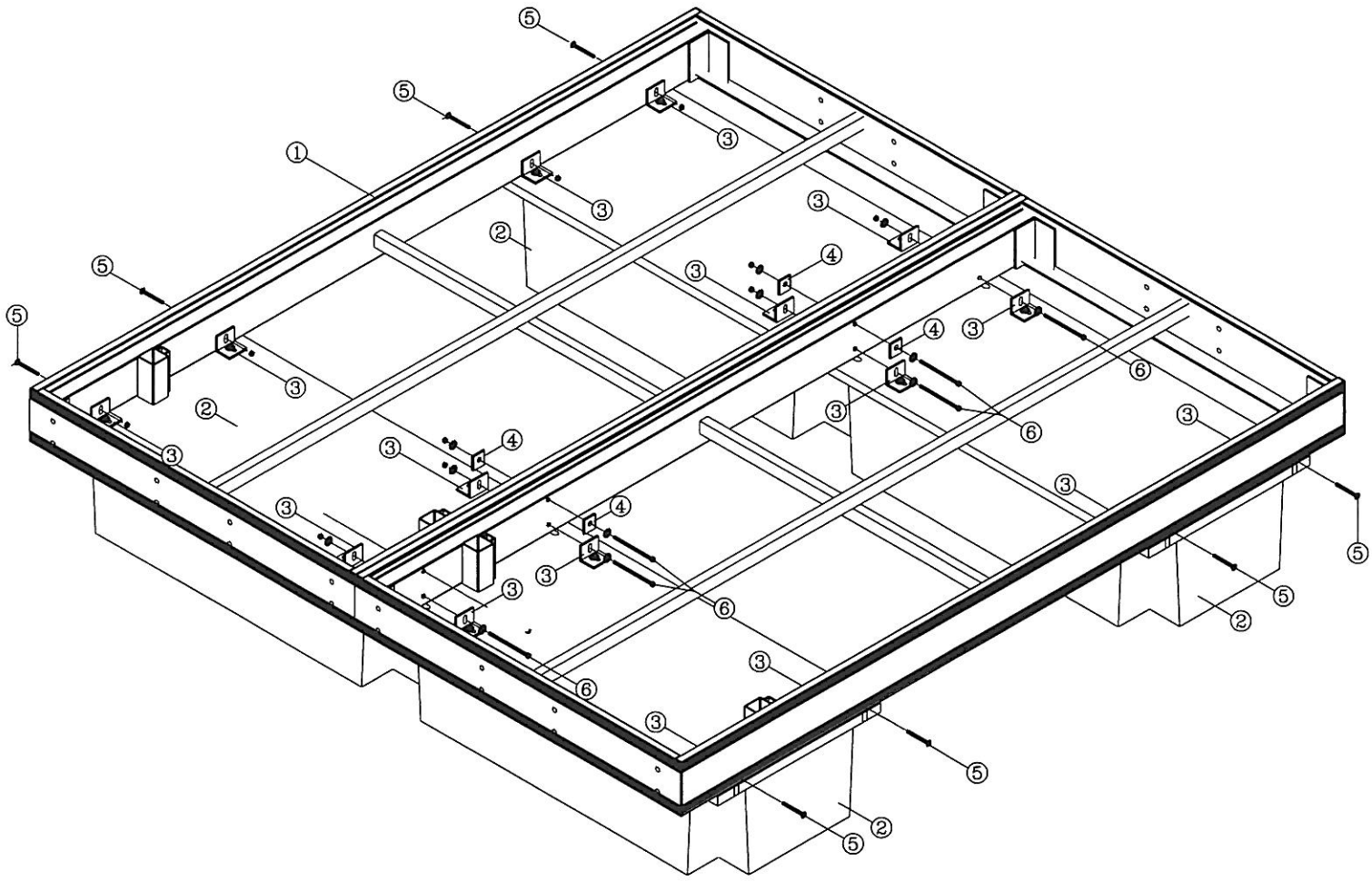
STEP 3. The docks are connected to the floats and to each other as shown in figure 3. (1) 3/8" x 5 1/2" machine bolt, (2) 3/8" washers and (1) 3/8" nut are used to connect the inside dock rails and floats through the lower holes. These bolts go through the first float connector, both inside rails and the second float connector.

(1) 3/8" x 5 1/2" machine bolt, (2) backer plates, (2) 3/8" washers and (1) 3/8" nut, are used to connect the inside dock rails at the upper holes.

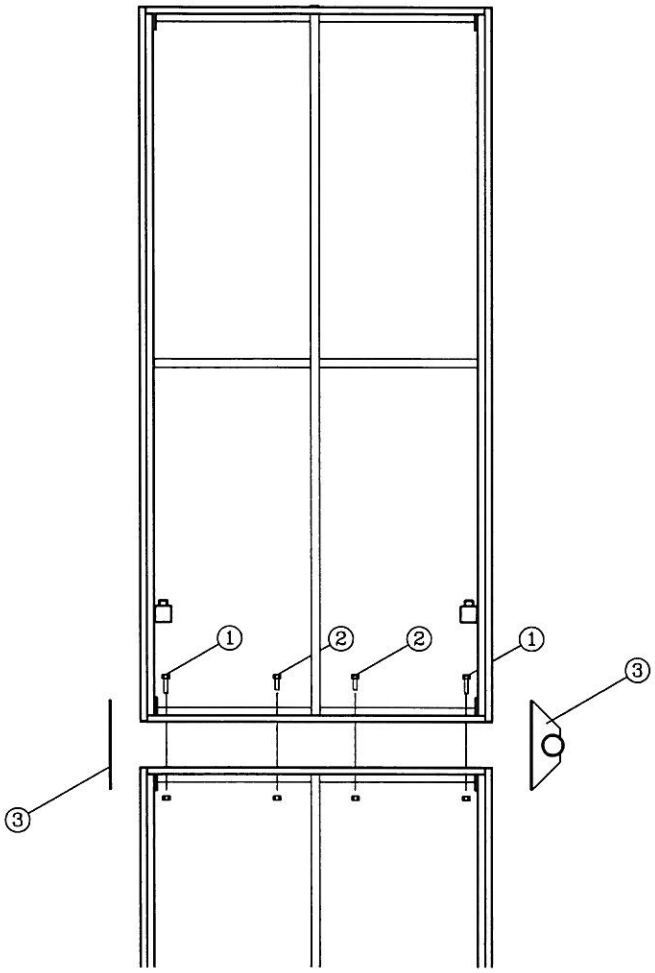
The floats are connected to the outside dock rails with (1) 3/8" x 3" carriage bolt, (1) 3/8" washer and (1) 3/8" nut at each outside float connector.

Fig. 3



1. Dock Rail
2. Float
3. Float Connector
4. Backer Plate.
5. (1) 3/8" x 3" Carriage Bolt, (1) 3/8" Washers and (1) 3/8" Nut.
6. (1) 3/8" x 5 1/2" Machine Bolt, (2) 3/8" Washers and (1) 3/8" Nut.

Residential Floating Dock
End To End Connection



1. (2) 1/2" X 2" Machine Bolts, (4) 1/2" Washers and (2) 1/2" Hex Nuts.
2. (2) 1/2" X 1 1/2" Machine Bolts, (4) 1/2" Washers and (2) 1/2" Hex Nuts.
3. Solid State Connector or Pipe bracket

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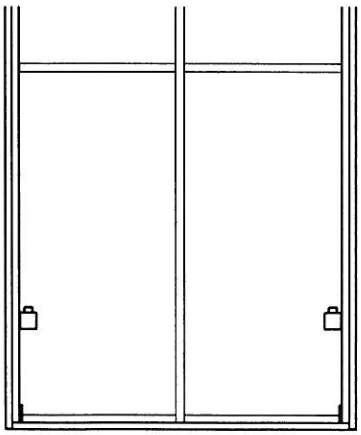
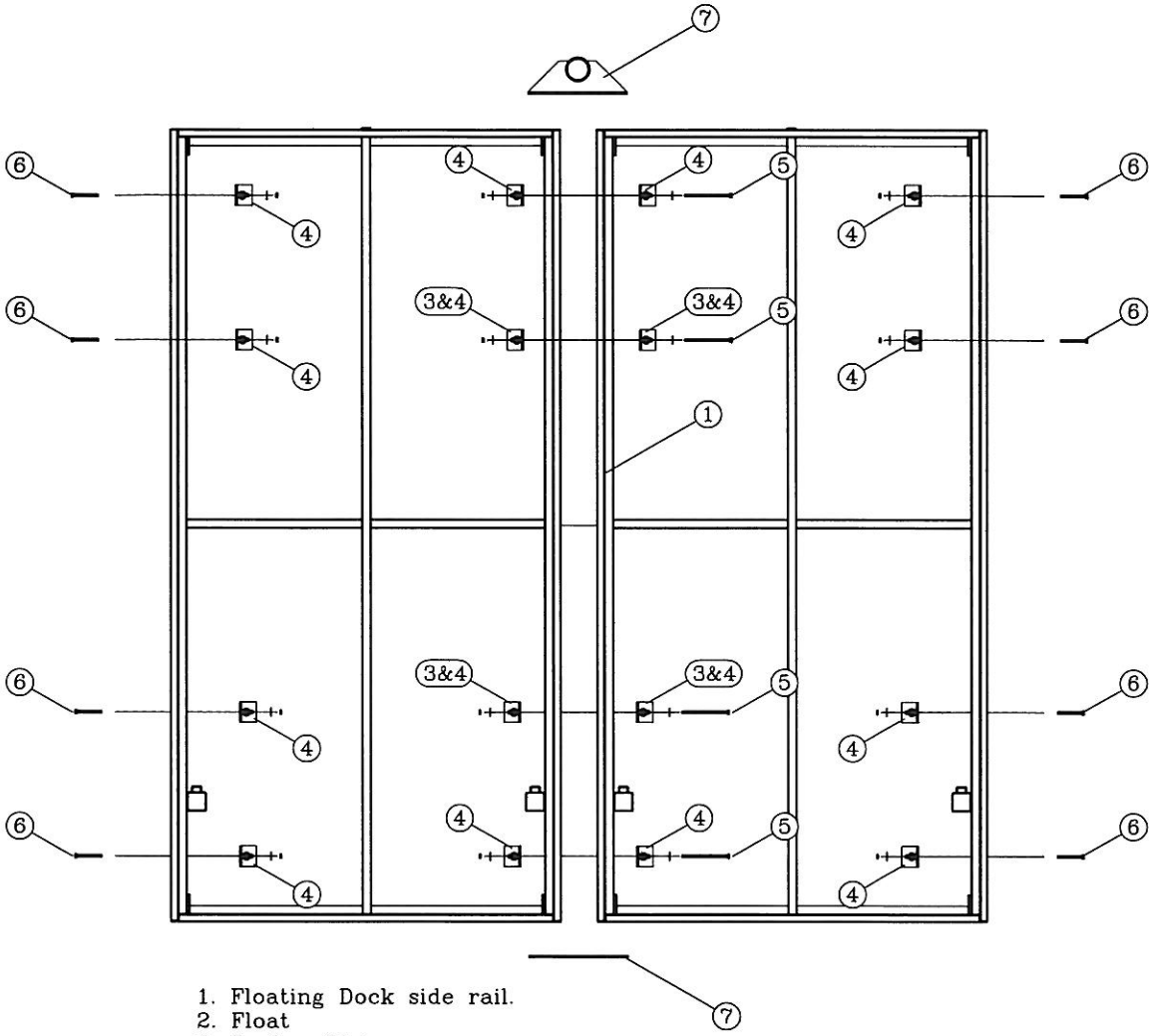


A Floating WAD, End to End Bolt Bag
Part# ********** is required for this connection.

Qty	Part Number	Description
4	MM120112B	1/2" x 1 1/2" Machine Bolt
4	MM120200B	1/2" x 2" Machine Bolt
16	M120WASHR	1/2" Washer
8	M120RGNUT	1/2" Hex Nut

Residential Floating Dock
Side By Side Connection
4' x 8' Sections



1. Floating Dock side rail.
2. Float
3. Backer Plate
4. Float Connector
5. (2) 3/8" x 5 1/2" Bolts, (4) 3/8" Washers and (2) 3/8" Nuts.
6. (1) 3/8" x 3" Carriage Bolt, (1) 3/8" Washer and (1) 3/8" Nut
7. Solid State Connector or Pipe bracket

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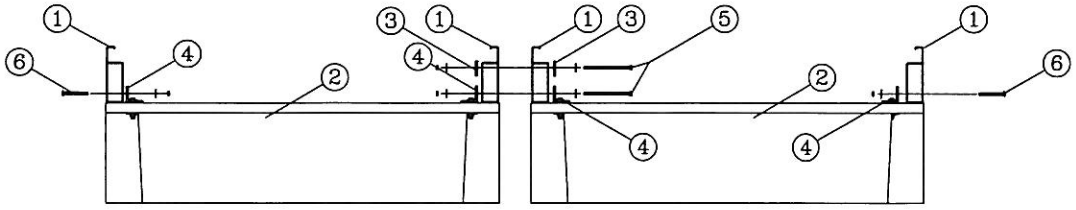
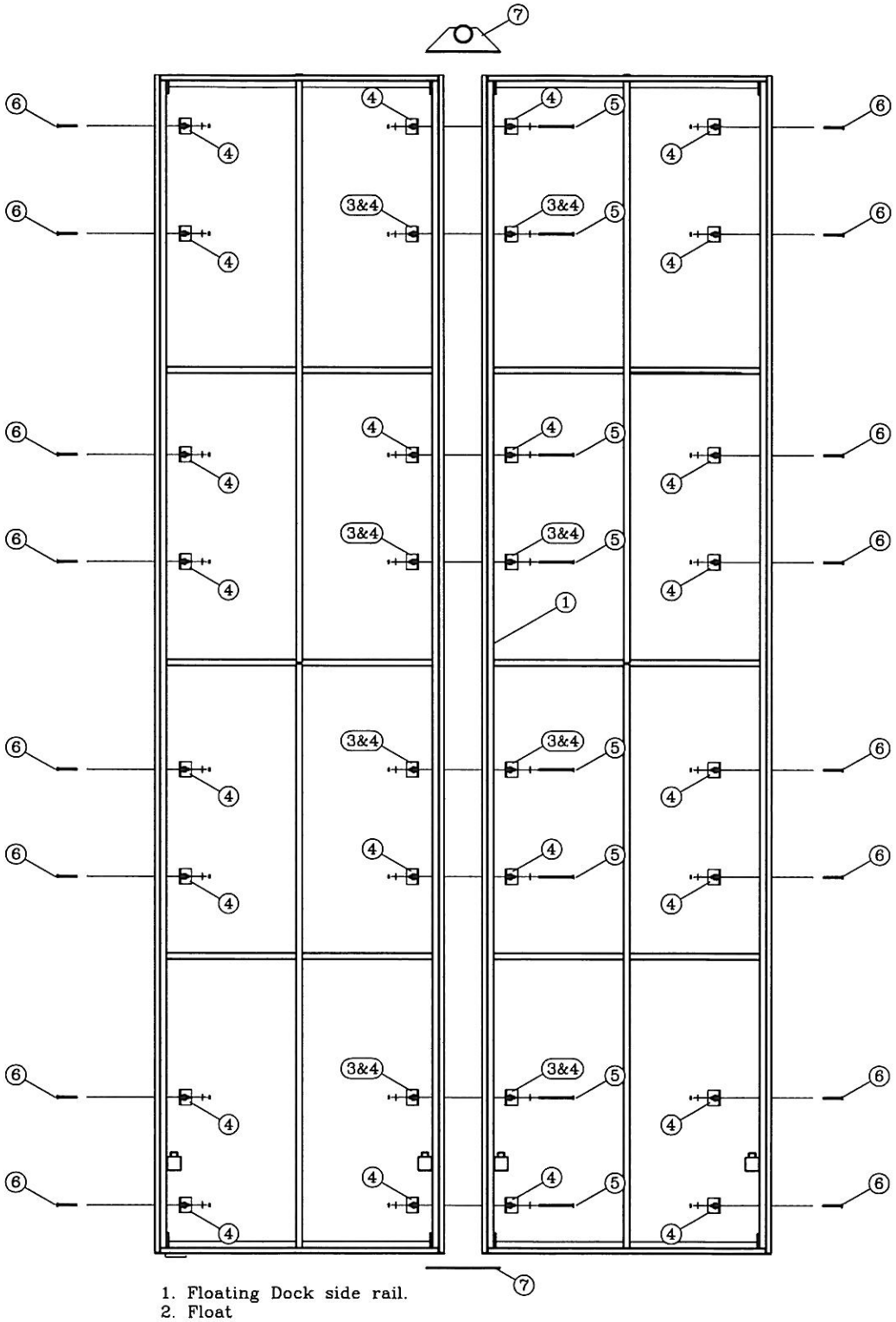


A Floating WAD, 8' Side by Side Bolt Bag
Part# ********* is required for this connection.

Qty	Part Number	Description
6	MM380512B	3/8" x 5 1/2" Machine Bolt
12	M380WASHR	3/8" Washer
6	M380RGNUT	3/8" Hex Nut
4	45800175H	1 Hole Backer Plate

Residential Floating Dock
Side By Side Connection
4' x 16' Sections



1. Floating Dock side rail.
2. Float
3. Backer Plate
4. Float Connector
5. (2) 3/8" x 5 1/2" Bolts, (4) 3/8" Washers and (2) 3/8" Nuts.
6. (1) 3/8" x 3" Carriage Bolt, (1) 3/8" Washer and (1) 3/8" Nut
7. Solid State Connector or Pipe bracket

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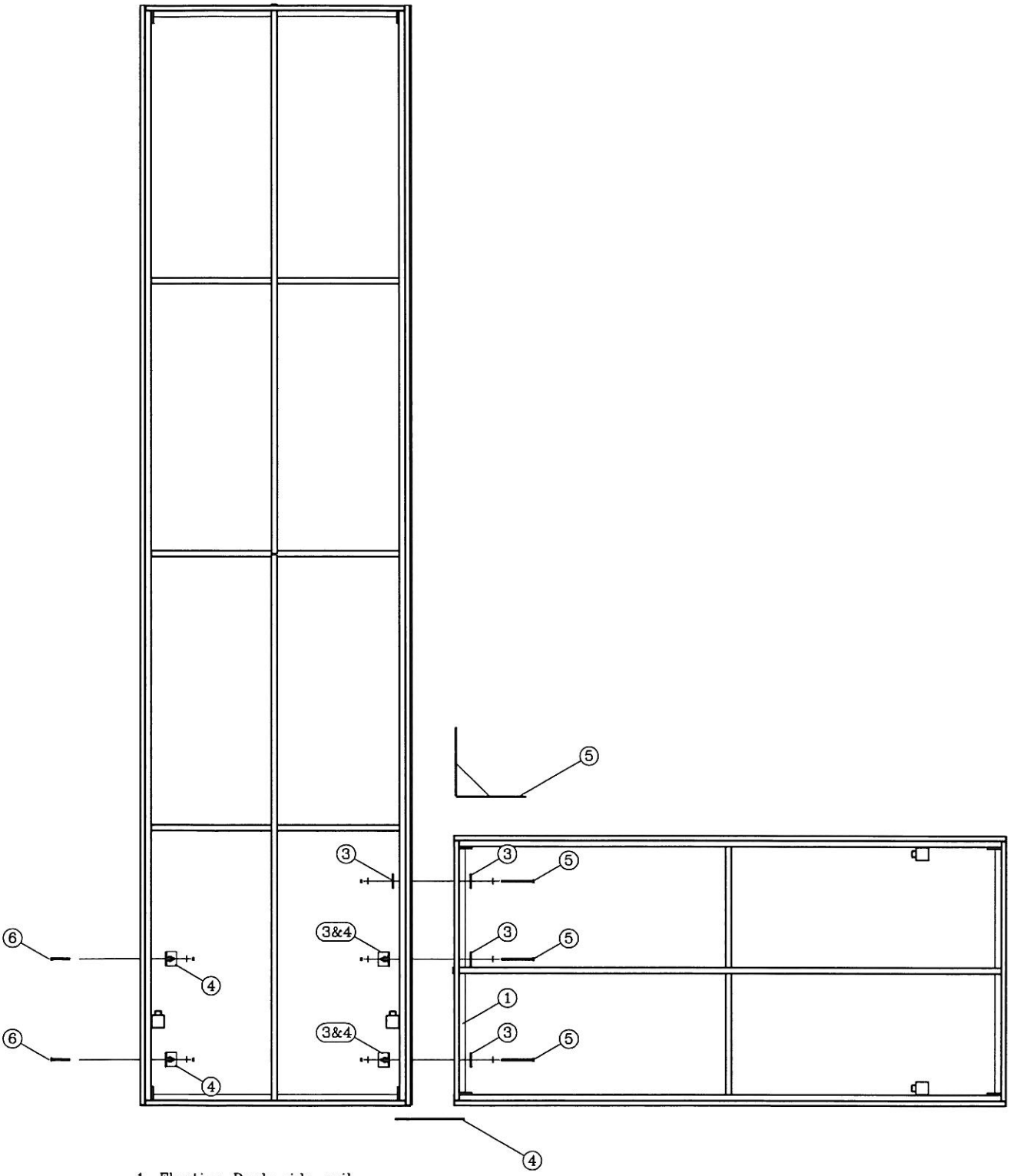
A Floating WAD, 16' Side by Side Bolt Bag
Part# ********* is required for this connection

Qty	Part Number	Description
12	MM380512B	3/8" x 5 1/2" Machine Bolt
24	M380WASHR	3/8" Washer
12	M380RGNUT	3/8" Hex Nut
8	45800175H	1 Hole Backer Plate

Residential Floating Dock
Side To End Connection



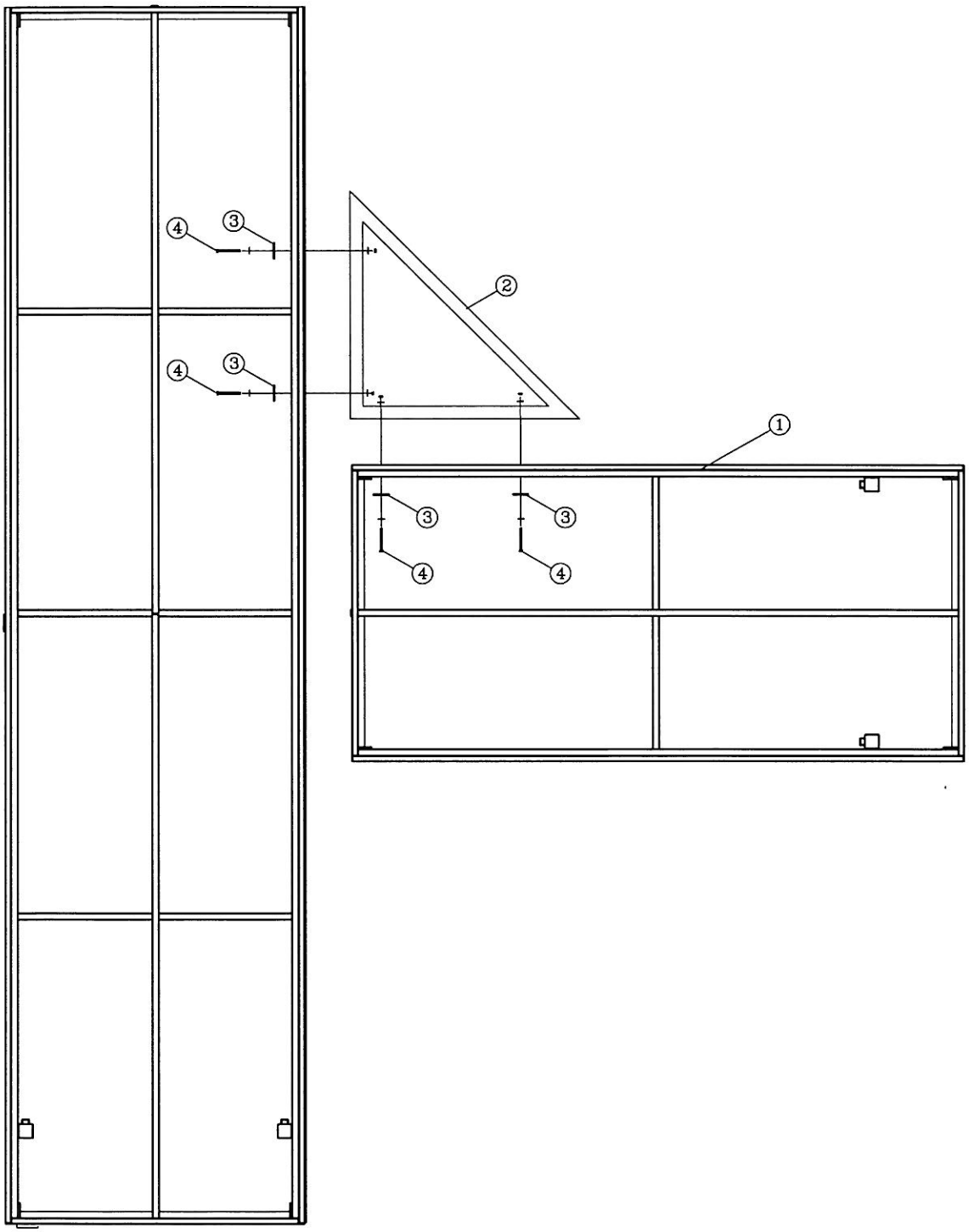
1. Floating Dock side rail.
2. Float
3. Backer Plate
4. Float Connector
5. (2) 3/8" x 5 1/2" Bolts, (4) 3/8" Washers and (2) 3/8" Nuts.
6. (1) 3/8" x 3" Carriage Bolt, (1) 3/8" Washer and (1) 3/8" Nut
7. Solid State Connector or Pipe bracket

60176A.DWG

A Floating WAD, Side to End Bolt Bag
Part# ********* is required for this connection.

Qty	Part Number	Description
6	MM380512B	3/8" x 5 1/2" Machine Bolt
12	M380WASHR	3/8" Washer
6	M380RGNUT	3/8" Hex Nut
8	45800175H	1 Hole Backer Plate

Residential Floating Dock
Corner Section Connection



1. Floating Dock side rail.
2. Corner
3. 2 Hole Backer Plate
4. (2) 3/8" x 3 1/2" Bolts, (4) 3/8" Washers and (2) 3/8" Nuts.

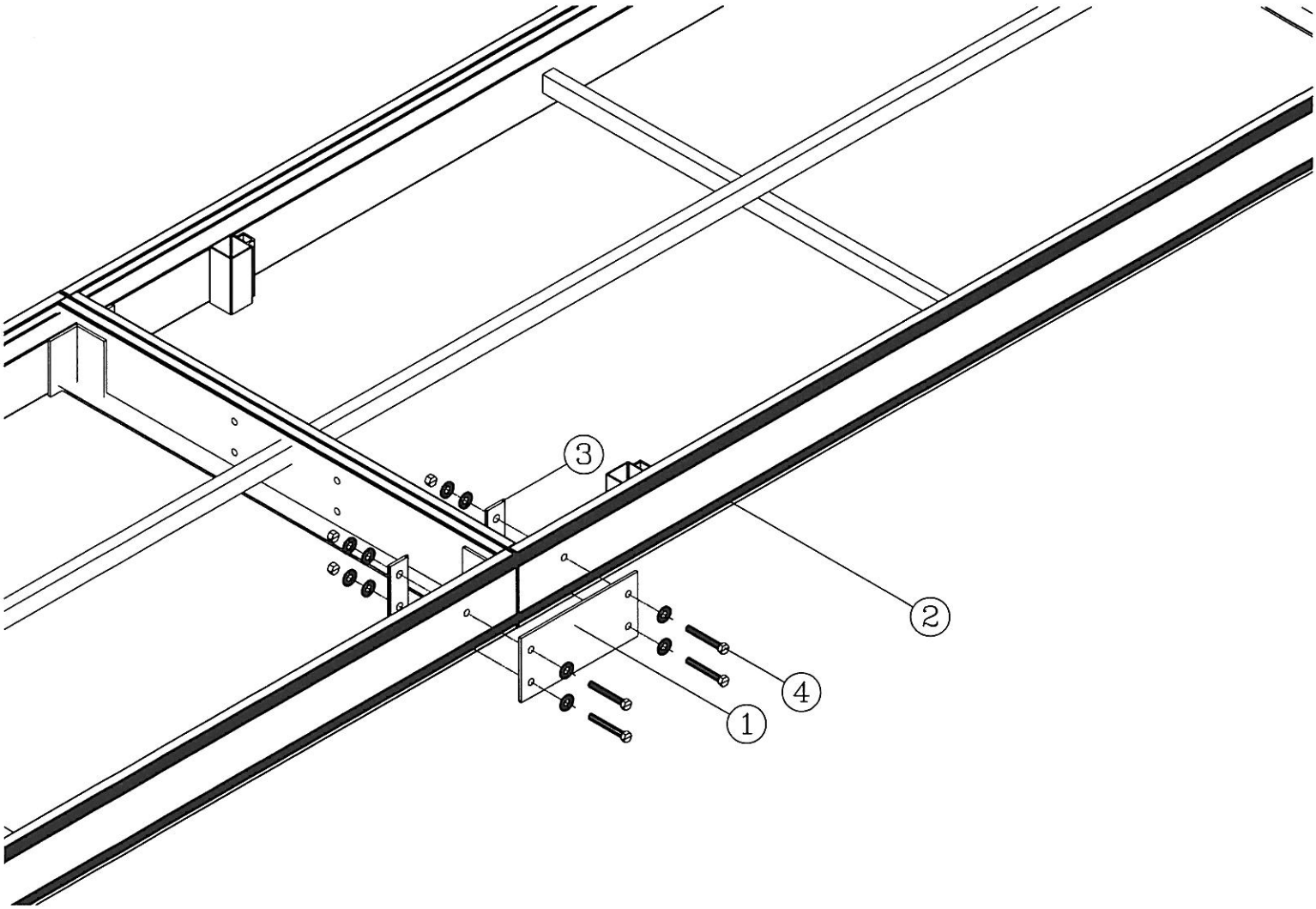
60176A.DWG

A Floating WAD, Corner Bolt Bag
Part# ********* is required for this connection

Qty	Part Number	Description
8	MM380312B	3/8" x 3 1/2" Machine Bolt
16	M380WASHR	3/8" Washer
8	M380RGNUT	3/8" Hex Nut
4	58700525H	2 Hole Backer Plate

Floating Dock, Solid State Connector

Bolt or clamp the Floating Dock sections together. Use the Solid State connector as a guide to mark the hole locations on the dock rail. The Solid State Connector should be held flush with the bottom of the dock rail. Drill (4) 9/16" holes in the dock rail. Attach the Solid State Connector to the dock rail with (4) 1/2" x 3 1/2" machine bolts, (2) backer plates, (8) 1/2" washers, (4) 1/2" lock washers and (4) 1/2" nuts, as shown. The lock washer goes between the the flat washer and the nut.



1. Solid State Connector
2. Floating Dock Rail
3. Backer Plate (2)
4. (1) 1/2" X 3 1/2" Machine Bolt, (2) 1/2" Washers, (1) Lock Washer and (1) 1/2" Nut. (4 Places)

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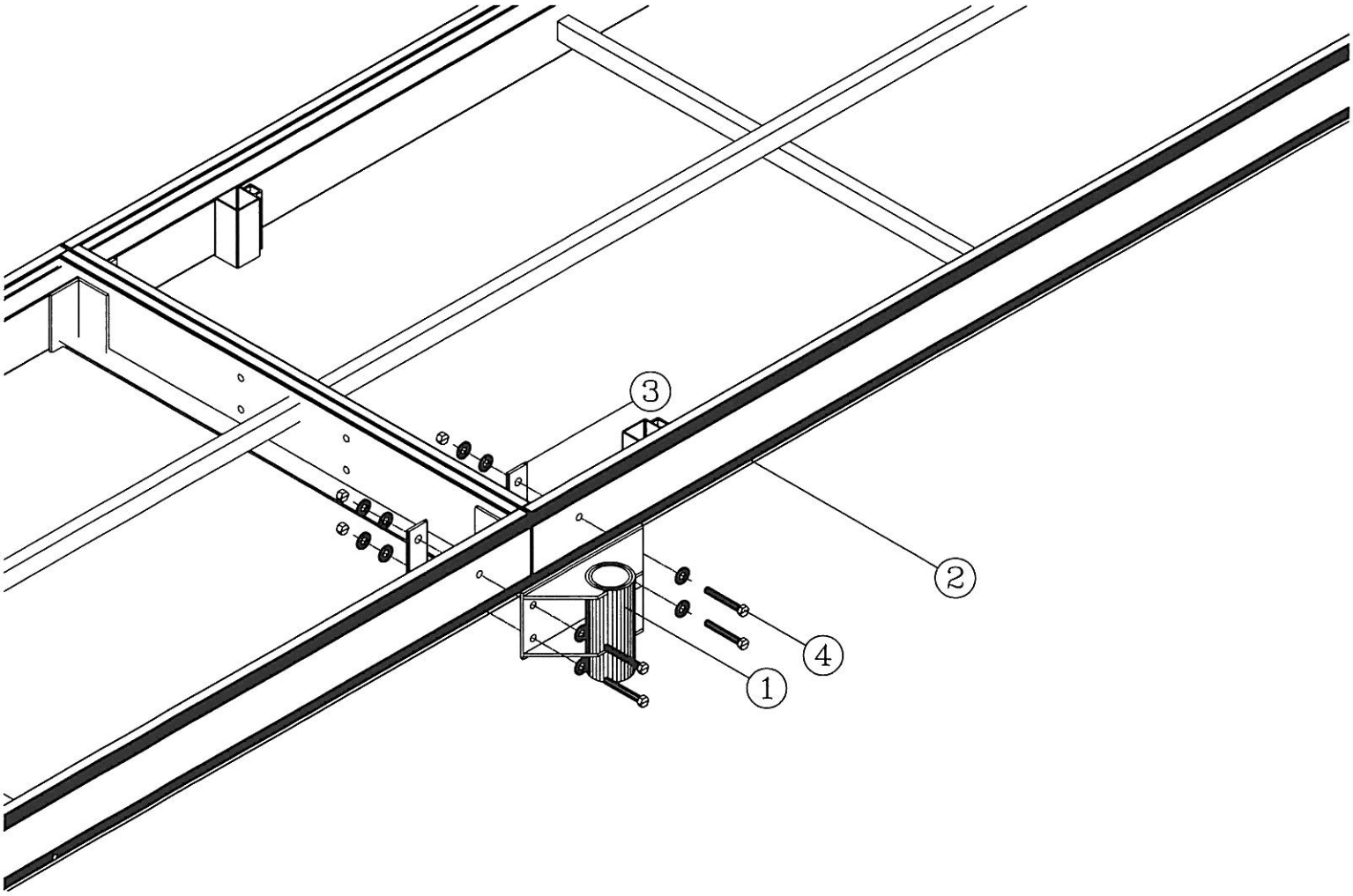
Floating Dock, Pipe Bracket

Install the Pipe Bracket by holding it in the desired location, keeping the bottom of the plate flush with the bottom of the dock rail. Use the holes in the Pipe Bracket as a guide to mark the location of holes to be drilled in the dock rail. If the Pipe Bracket is being installed in place of a Solid State Connector, at the intersection of two dock sections, the sections should be clamped or bolted together before the holes are marked.

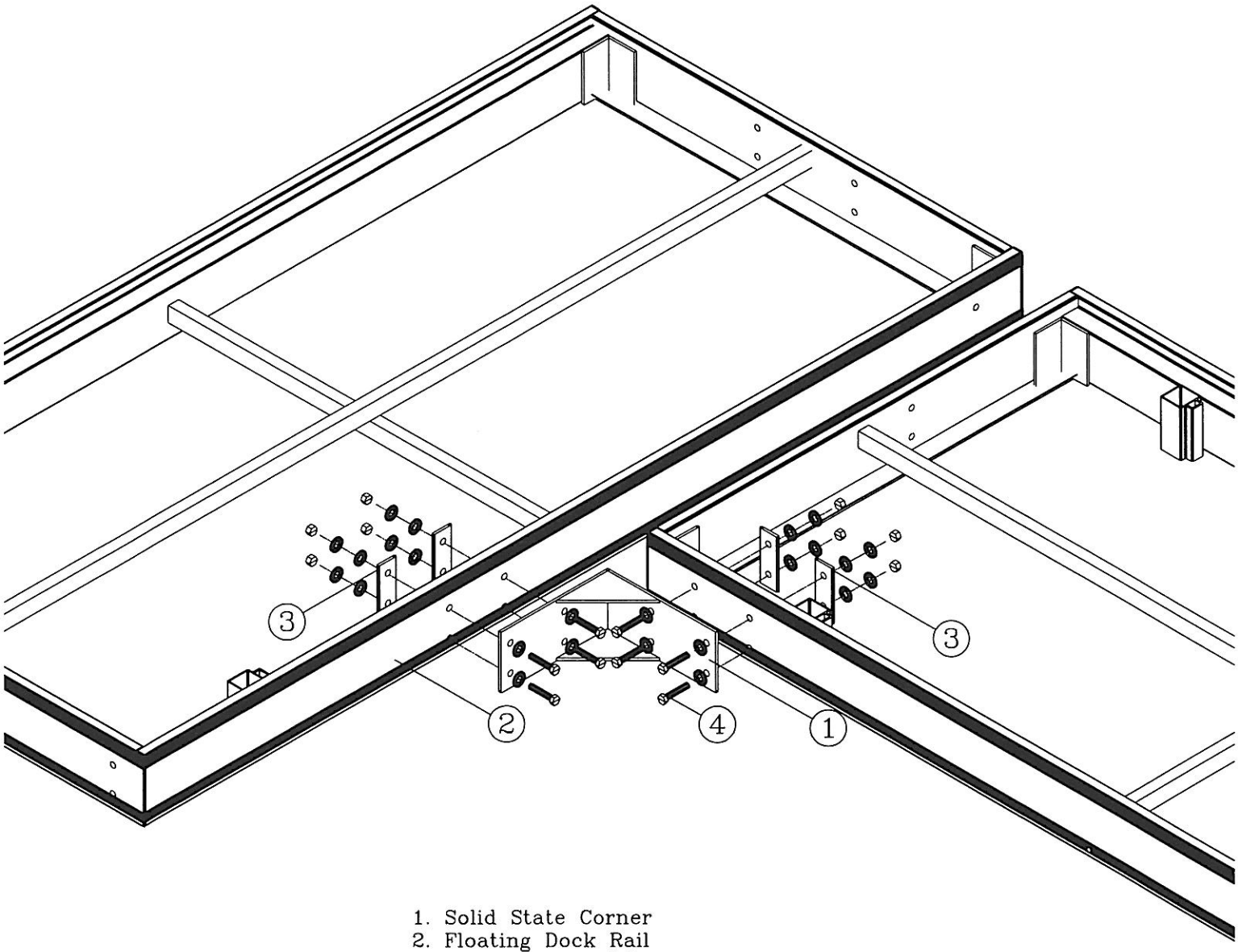
Drill (4) 9/16" holes in the dock rail. Attach the Pipe Bracket with (4) 1/2" x 3 1/2" machine bolts, (2) backer plates, (8) 1/2" washers, (4) 1/2" lock washers and (4) 1/2" nuts. If installation is on the end of a dock section, the 3 1/2" bolts are replaced with 1 1/2" bolts. The lock washer goes between the flat washer and the nut.



1. Pipe Bracket
2. Floating Dock Rail
3. Backer Plate, (2)
3. (1) 1/2" X 3 1/2" or 1 1/2" Machine Bolt, (2) 1/2" Washers, (1) 1/2" Lock Washer and (1) 1/2" Nut. (4 Places)

Floating Dock, Solid State Corner

Bolt or clamp the Floating Dock sections together. Use the Solid State Corner as a guide to mark the bolt hole locations on the dock rails. The corner plates should be held flush with the bottom of the dock rail. Drill eight 9/16" holes in the dock rail. Attach the Solid State Corner with (8) 1/2" x 3 1/2" machine bolts, (4) Backer Plates, (8) 1/2" washers (8) 1/2" lock washers and (8) 1/2" nuts. The lock washer goes between the flat washer and the nut.



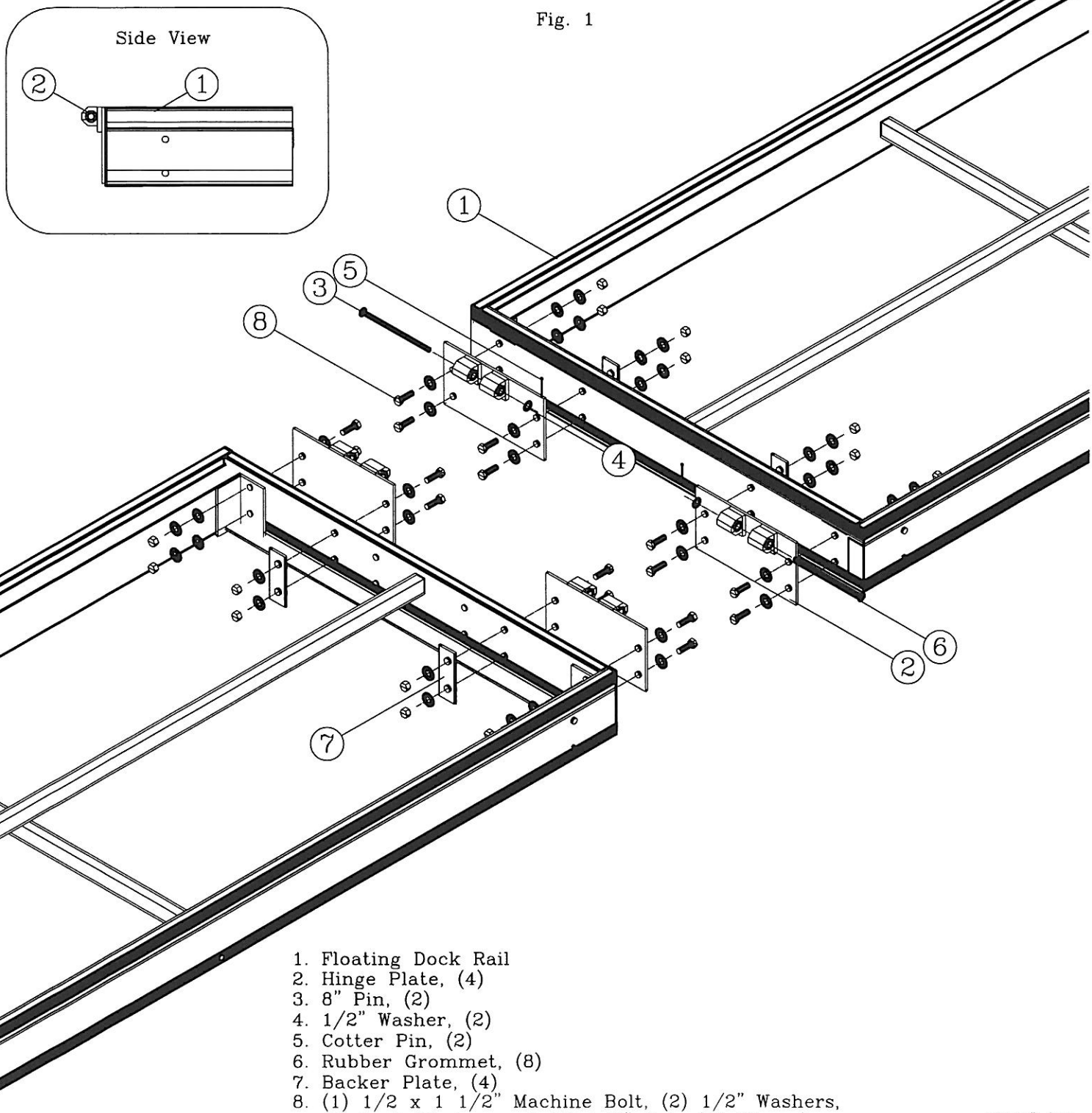
1. Solid State Corner
2. Floating Dock Rail
3. Backer Plate, (4)
4. (1) 1/2" X 3 1/2" Machine Bolt, (2) 1/2" Washer, (1) Lock Washer and (1) 1/2" Nut. (8 Places)

60176B.dwg

Floating Dock, Hinge Connector

Install two hinge plates on the end of each Floating Dock section. as shown in figure 1. Bolt each plate to the two outside holes on the dock section. Using the hinge plate as a guide, mark the remaining bolt hole locations. Remove the hinge plates from the dock sections. Drill a 9/16" hole at each mark. Attach the hinge plates to the dock rails with (4) 1/2" x 1 1/2" machine bolts, (1) backer plate, (8) 1/2" washers, (4) 1/2" lock washers and (4) 1/2" nuts for each hinge plate. Insert the rubber grommets into the hinges. Connect the hinges with the 8" pins, 1/2" washers and cotter pins.

Fig. 1



1. Floating Dock Rail
2. Hinge Plate, (4)
3. 8" Pin, (2)
4. 1/2" Washer, (2)
5. Cotter Pin, (2)
6. Rubber Grommet, (8)
7. Backer Plate, (4)
8. (1) 1/2 x 1 1/2" Machine Bolt, (2) 1/2" Washers, (1) Lock Washer and (1) 1/2" Nut. (16 Places)

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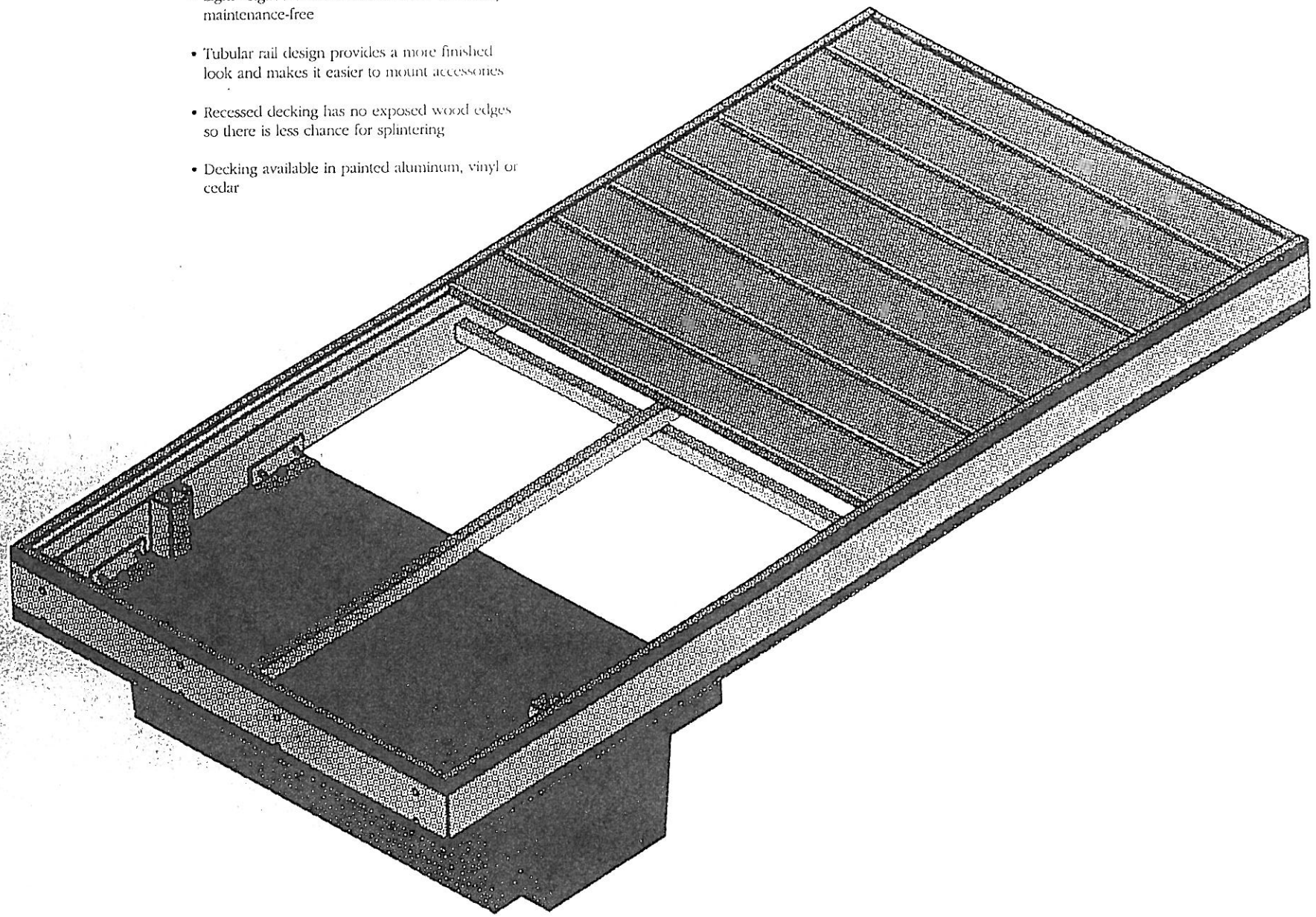
Residential Floating Dock

World Class Rail Dock

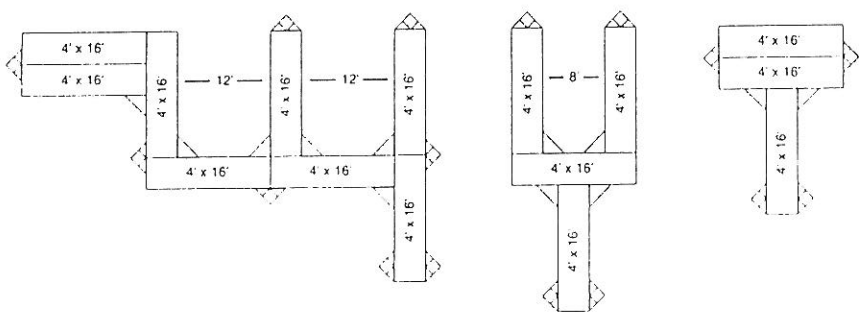
- Lightweight aluminum construction is virtually maintenance-free
- Tubular rail design provides a more finished look and makes it easier to mount accessories
- Recessed decking has no exposed wood edges so there is less chance for splintering
- Decking available in painted aluminum, vinyl or cedar

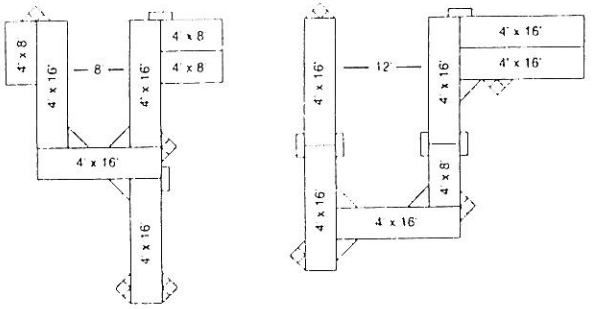


Residential Floating Dock

Floating Dock Applications

- The most stable floating dock configurations have a "T" layout or have fingers jutting from the sides. Straight floating docks are not stable. Floating docks are suitable for small lakes and protected bays only. If your beach area is routinely exposed to boat wakes or large waves, a floating dock is not appropriate.

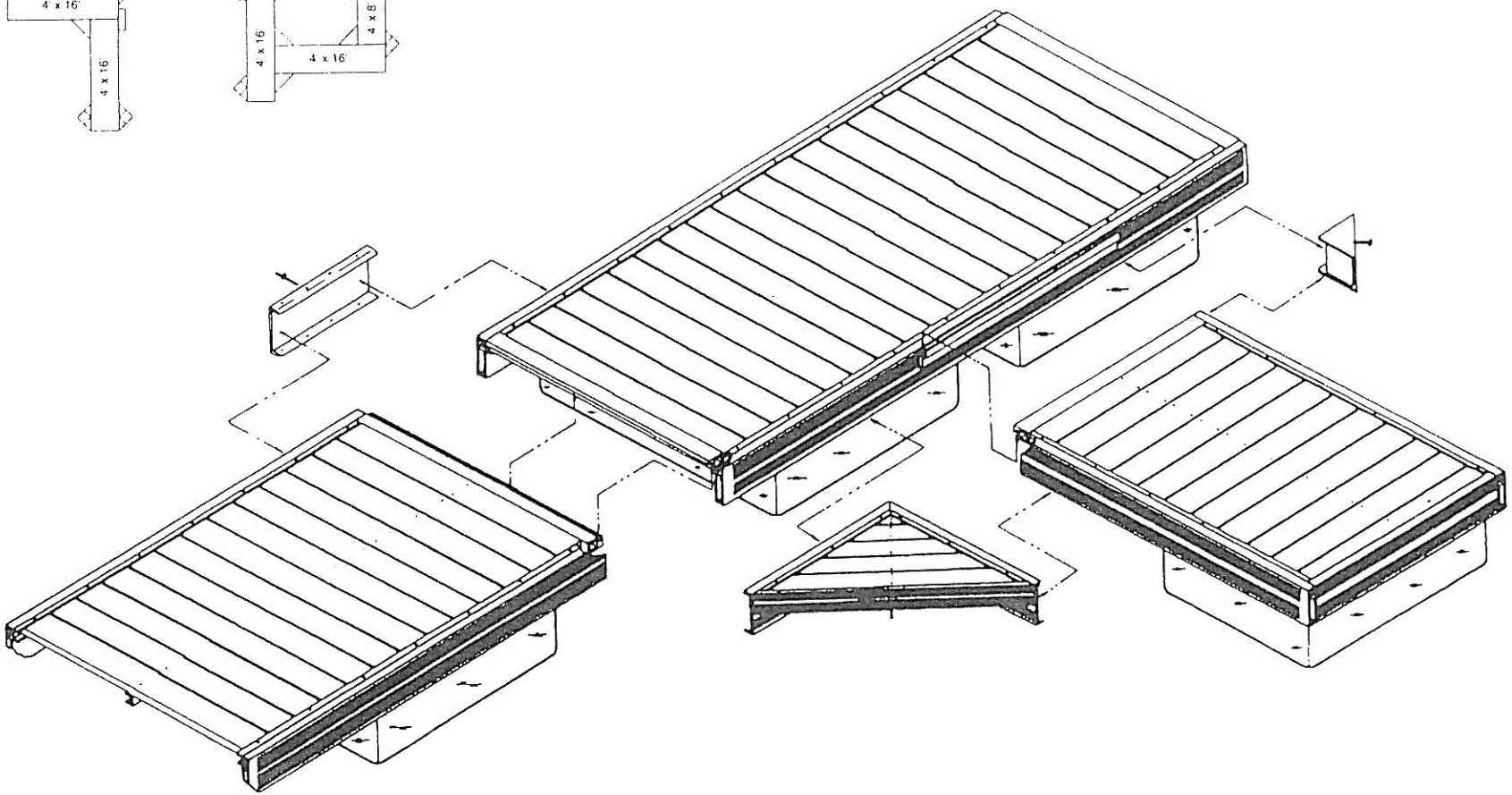




Pile Guide

Dock Connector

Walkway Corner or Solid State Corner



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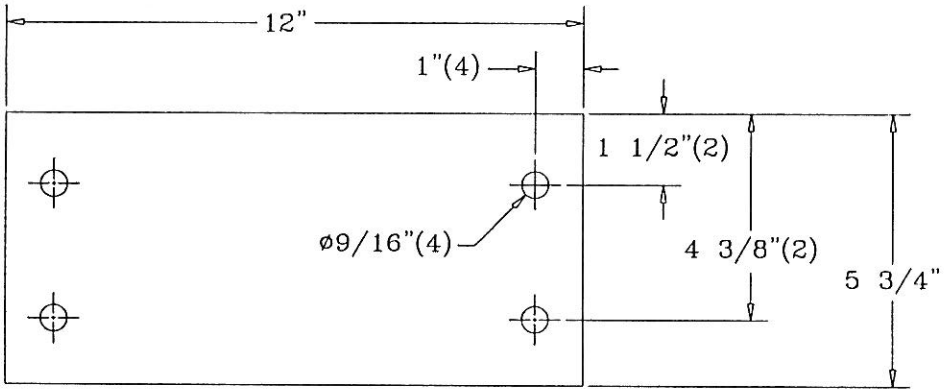

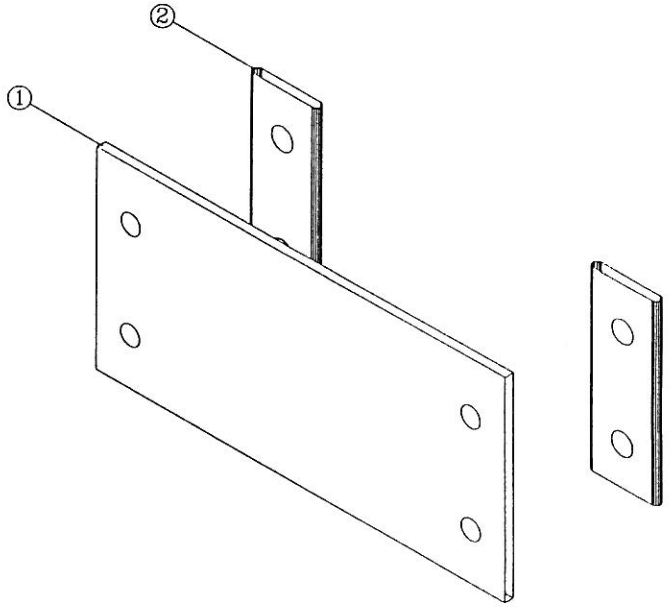

SCALE: 1/4
QTY PER ASSY: 1
TOL: ±1/16" UNLESS NOTED
MAT'L: 47201200H

BREAK ALL SHARP EDGES

ITEM#	PART#	DWG#	DESCRIPTION
1	47201200P	*******	SOLID STATE CONNECTOR, 5.75"
2	58700525H	60134A	BACKER PLATE, (2)

ALUMINUM BOAT LIFTS, DOCKS & ACCESSORIES
SHOREMASTER
BY SHOREMASTER ENGINEERING
1 SHOREMASTER DRIVE, IND. PARK
P.O. BOX 358
FERGUS FALLS, MN 56538-0358
(218) 739-4641

REV	DESCRIPTION	APPR'D	DATE
--	PRODUCTION RELEASE		

PART NAME: SOLID STATE CONNECTOR, 5 3/4"

DRAWN BY:	DATE:
KD	02-02-99
PART NUMBER: APWDSSCON	REFERENCE: DAWDSSCON

DWG #: 60134

UCR

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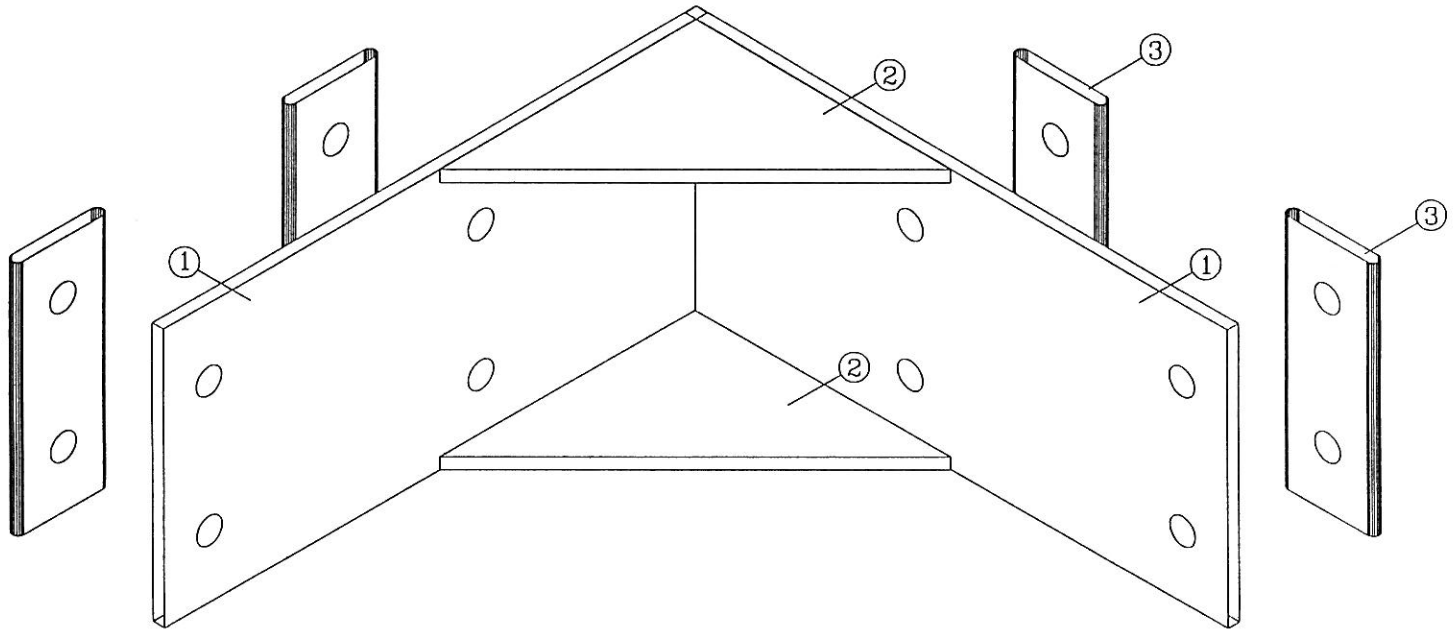

ITEM#	PART#	DWG#	DESCRIPTION
1	47201200D	60141A	PLATE, (2)
2	58900420H	60118G	GUSSET, (2)
3	58700525	60134A	BACKER PLATE, (8)

ALUMINUM BOAT LIFTS, DOCKS & ACCESSORIES

SHOREMASTER

BY SHOREMASTER ENGINEERING
1 SHOREMASTER DRIVE, IND. PARK
P.O. BOX 358
FERGUS FALLS, MN 56538-0358
(218) 739-4641

REV	DESCRIPTION	APPR'D	DATE
--	PRODUCTION RELEASE		

PART NAME: SOLID STATE CORNER, 5 3/4"

DRAWN BY:	DATE:
KD	01-26-99
PART NUMBER: DAWDSSCNR	REFERENCE:

DWG #: 60141

WCR

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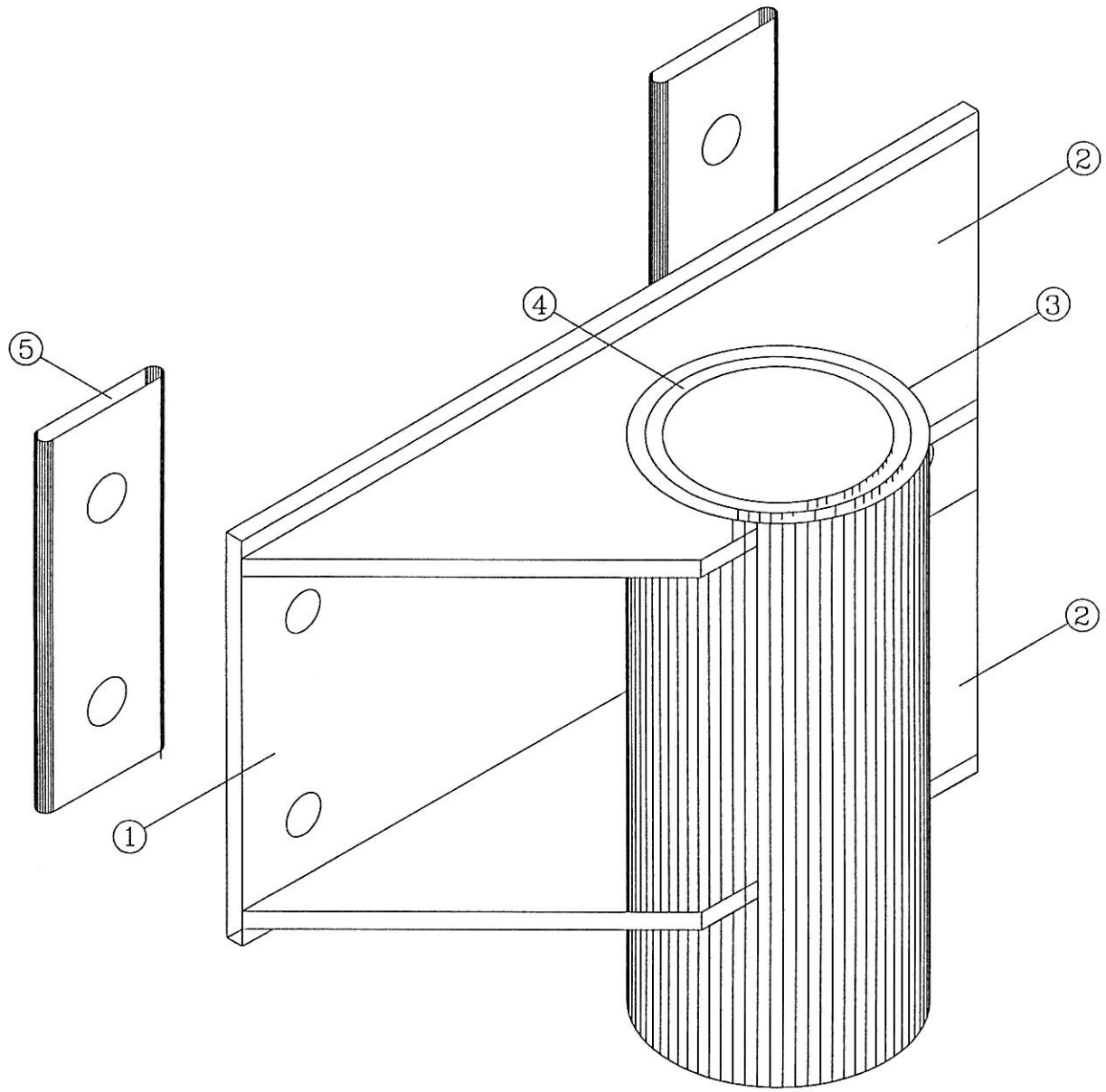

ITEM#	PART#	DWG#	DESCRIPTION
1	47201250D	60135A	PLATE
2	GUSSET3PL	60135B	GUSSET
3	84600800H	60135C	PIPE
4	PVC030008		PVC LINER
5	58700525H	60134A	BACKER PLATE, (2)

ALUMINUM BOAT LIFTS, DOCKS & ACCESSORIES

SHOREMASTER

BY SHOREMASTER ENGINEERING
1 SHOREMASTER DRIVE, IND. PARK
P.O. BOX 358
FERGUS FALLS, MN 56538-0358
(218) 739-4641

REV	DESCRIPTION	APPR'D	DATE
--	PRODUCTION RELEASE		

PART NAME:
PIPE BRACKET

DRAWN BY:	DATE:
KD	02-12-99
PART NUMBER: DAWDPIPBK	REFERENCE:

DWG #: 60135

WCR

REV.

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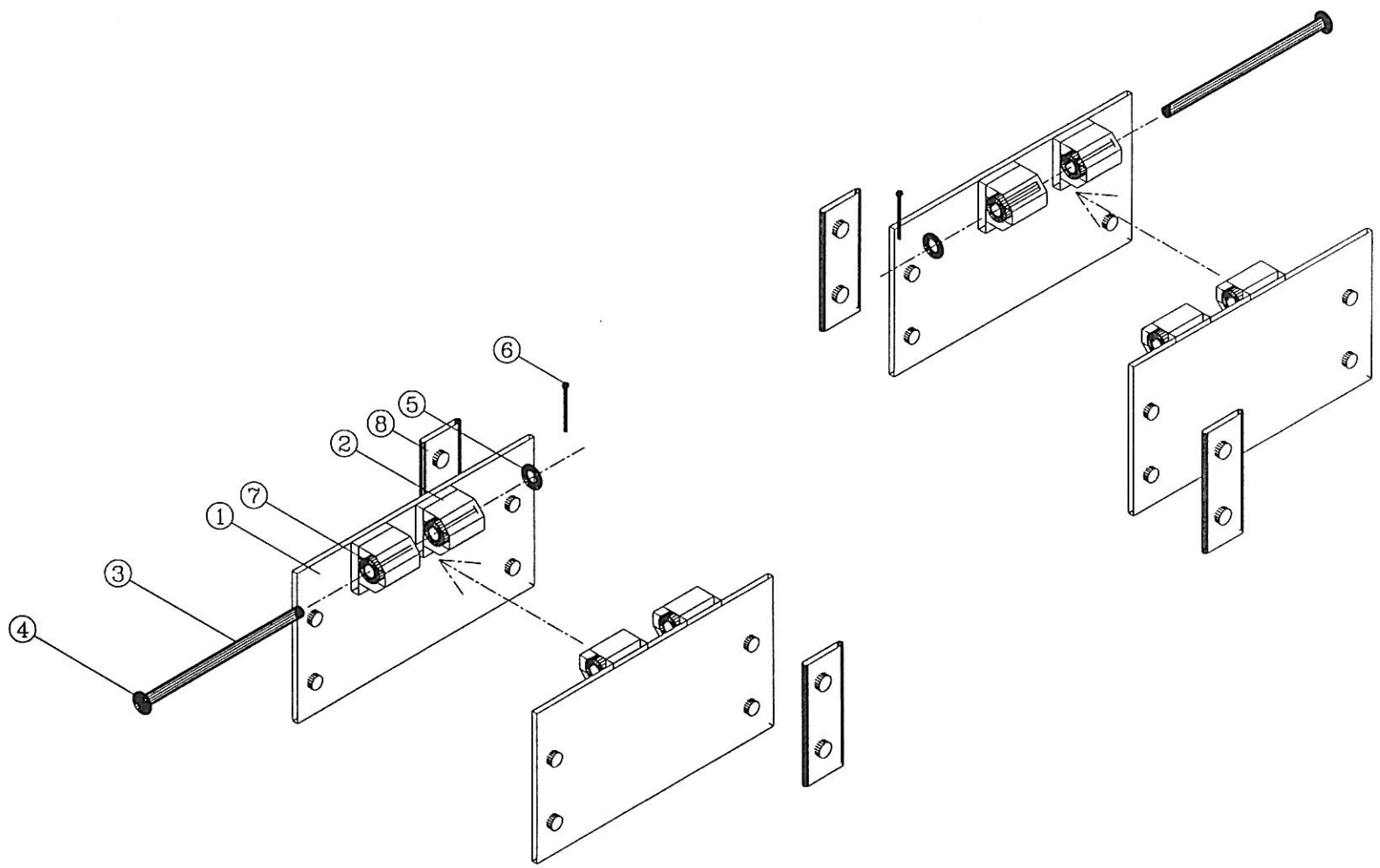


ITEM#	PART#	DWG#	DESCRIPTION
1	47201200D	60136A	PLATE, (4)
2	39800175H		PILLOW BLOCK, (8)
3	SS4414400		7/16" X 8" S.S. PIN, (2)
4	S716WASHR		7/16 S.S WASHER, (2)
5	S120WASHR		1/2" S.S WASHER, (2)
6	S180COTER		1/8" S.S. COTTER PIN, (2)
7	RR10134RG		RUBBER GROMMET, (8)
8	58700525H	60134A	BACKER PLATE, (4)

ALUMINUM BOAT LIFTS, DOCKS & ACCESSORIES

SHOREMASTER

BY SHOREMASTER ENGINEERING
1 SHOREMASTER DRIVE, IND. PARK
P.O. BOX 358
FERGUS FALLS, MN 56538-0358
(218) 739-4641

REV	DESCRIPTION	APPR'D	DATE
--	PRODUCTION RELEASE		

PART NAME: HINGE CONNECTOR

DRAWN BY: KD

DATE: 01-25-99

PART NUMBER: DAWDHGCON

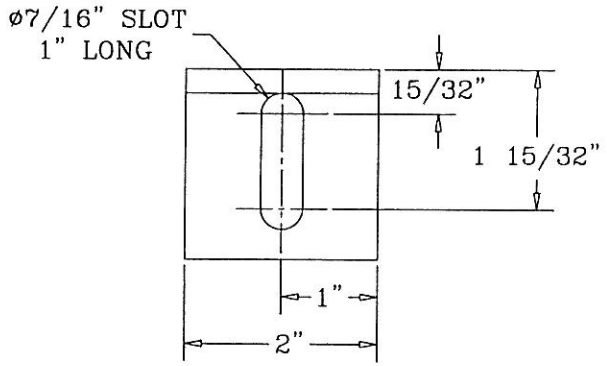
REFERENCE:

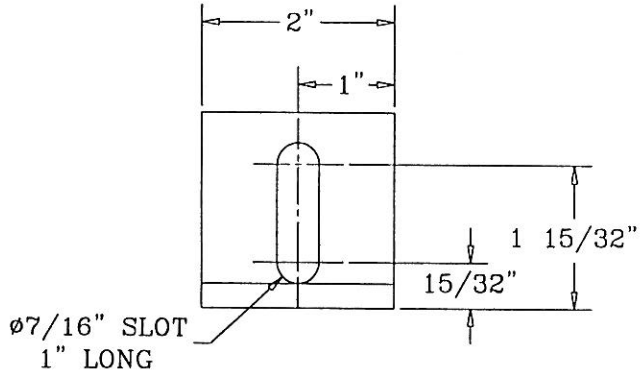
DWG #: 60136

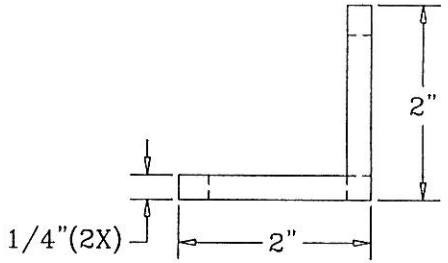
REV.

CONFIDENTIAL

WCR







SCALE: 1/2
QTY PER ASSY: 4
TOL: ±1/16" UNLESS NOTED
MAT'L: 22400200H

BREAK ALL SHARP EDGES

ALUMINUM BOAT LIFTS, DOCKS & ACCESSORIES
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FERGUS FALLS, MN 56538-0358
(218) 739-4641

REV	DESCRIPTION	APPR'D	DATE
--	PRODUCTION RELEASE		

PART NAME: FLOAT CONNECTOR	
DRAWN BY: KD	DATE: 03-03-99
PART NUMBER: 20400200H	REFERENCE:
DWG #: 60153	