“LOW PRO” ALUMINUM DOCK

ASSEMBLY MANUAL, APPROVED LAYOUTS & CONFIGURATIONS
LONG DOCK LAYOUTS & DIAGRAMS

AVAILABLE DECKING CHOICES:

- “ThruFlow” Grey Poly Plastic or Aluminum Powder-Coated w/Wood Grain Finish
(Both Maintenance-Free)
- Real Western Red Cedar Wood

DAKA Corporation
955 Industrial St. N.E. – Pine City, Minnesota 55063
Phone: (320) 629-6737 - Fax (320) 629-3677
www.dakadock.com

#66889166 (49166 BB) 2/27/14
Revised 4/15 (Cover 4/18)

DAKA "LOW PRO" SCREW JACK LEGS – RANGE OF MOTION

- **32" OVERALL TRAVEL**
- **16" OF THREADED ADJUSTMENT + 16" OF MANUAL ADJUSTMENT**

FIG. 1: STANDARD SCREW JACK LEGS

(MAXIMUM WATER DEPTH: 63")

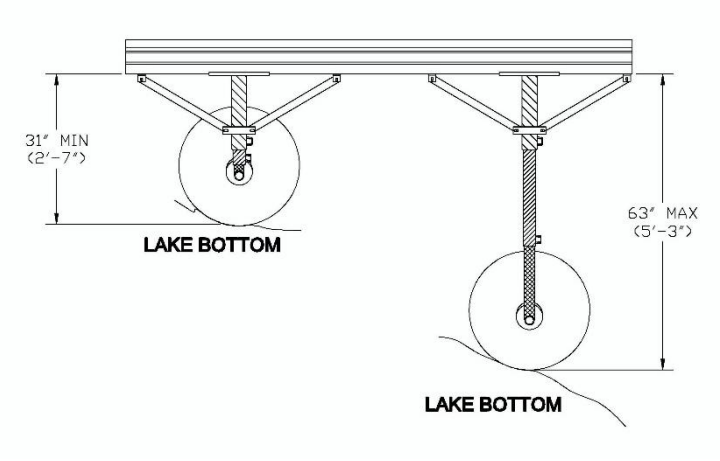


FIG. 2: EXTRA LONG SCREW JACK LEGS

(MAXIMUM WATER DEPTH: 81")

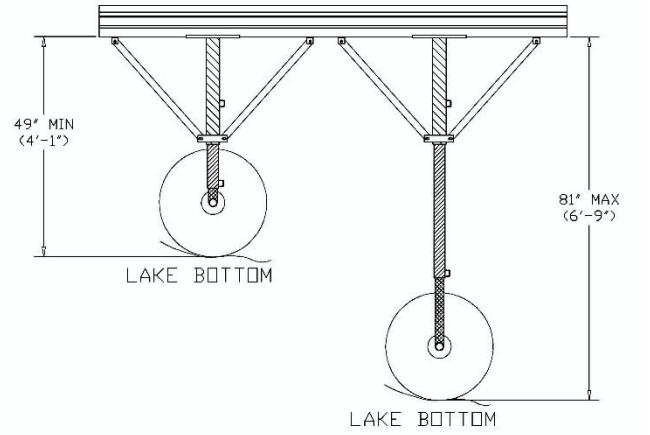
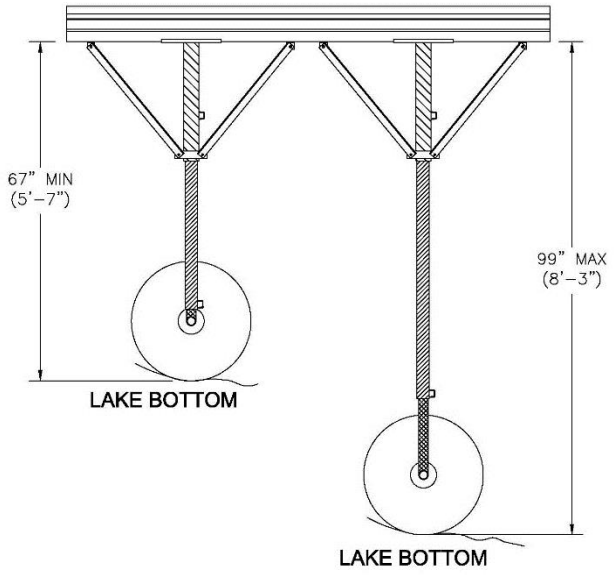


FIG. 3: EXTRA-EXTRA LONG SCREW JACK LEGS

(MAXIMUM WATER DEPTH: 99")



RANGE OF MOTION:
From lake bottom to bottom of Dock (BOD)
Measured with standard 24" dia. plastic wheels

FULLY COMPRESSED – MINIMUM		**FULLY EXTENDED - MAXIMUM**	
Standard Leg	BOD 2'-7" = 31"	Standard Leg	BOD 5'-3" = 63"
XL Leg	BOD 4'-1" = 49"	XL Leg	BOD 6'-9 "= 81"
XXL Leg	BOD 5'-7" = 67"	XXL Leg	BOD 8'-3" = 99"

DAKA LOW PRO DOCK APPROVED LAYOUTS/ CONFIGURATIONS

32 FOOT MAXIMUM DOCK LENGTH WITH ONE SET OF WHEELS AND POSTS.

MAXIMUM SPAN IS 16 FEET PER SET OF SUPPORTS (POSTS OR WHEELS).

MUST USE ALUM. SIDE CONNECTOR PLATES AND CONNECTION BRACKETS (GALV. STEEL) WHEN CONNECTING TWO DOCK SECTIONS END TO END.

POSTS MUST BE INSTALLED WHERE SHOWN. (STORE IN DOWN POSITION)

MUST REMOVE DECKING IF WHEELS ARE FURTHER THAN 16' APART FOR INSTALL & REMOVAL

WHEELS MOUNTED ON STRAIGHT DOCKS TO THE OUTSIDE WILL GIVE YOU THE MOST STABILITY.

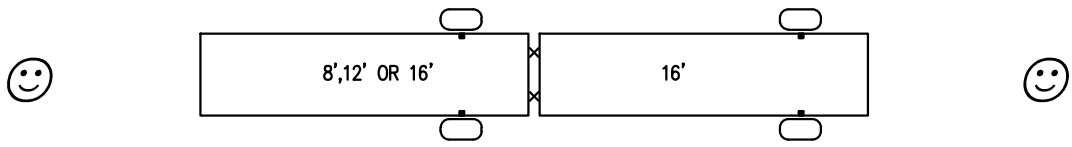
PLATFORMS CAN BE MOUNTED TO THE RIGHT (AS SHOWN) OR LEFT SIDE.

IMPORTANT MUST READ!!

KEY:

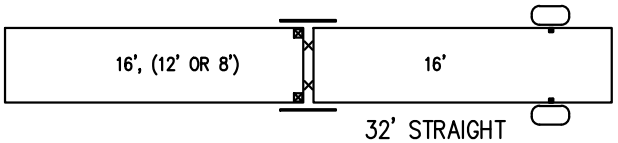
- ALL DOCK SECTIONS ARE 4' WIDE
- SCREW JACK LEG W/WHEEL & BRACING
- 2" SQ. POST W/ 2 ½" ADJ. 18" SLEEVE & FOOT PAD (ALL ALUM)
- 24" ALUM SIDE PLATE CONNECTOR
- CONNECTION BRKTS (GALV. STEEL), END TO END
- GALV. PLATFORM OR SUPER PLATFORM BRACKET

PREFERED LAY OUT USING WHEELS ON EVERY SECTION

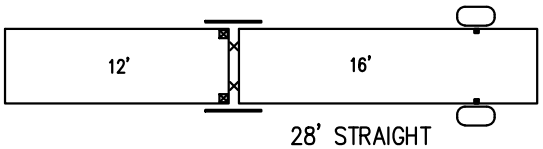


ADVANTAGES ARE: NO POSTS, CAN LEAVE DECKING ON, NO SIDE PLATES, CREATES EASIER STORAGE.

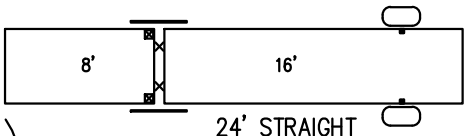
ACCEPTABLE



32' STRAIGHT

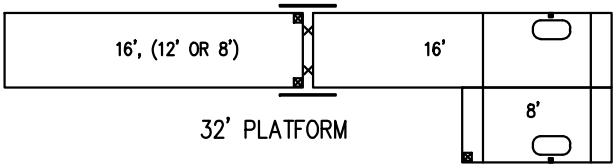


28' STRAIGHT

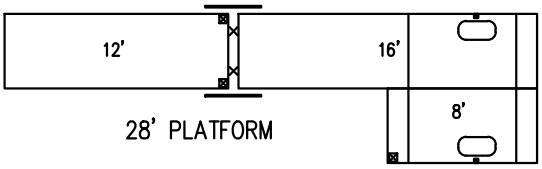


24' STRAIGHT

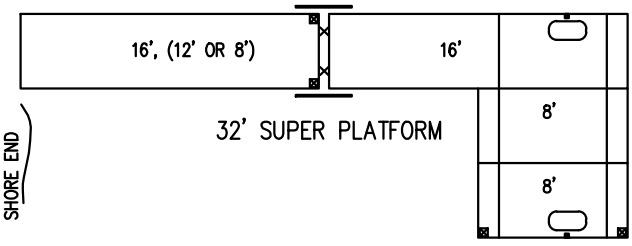
SHORE END



32' PLATFORM



28' PLATFORM



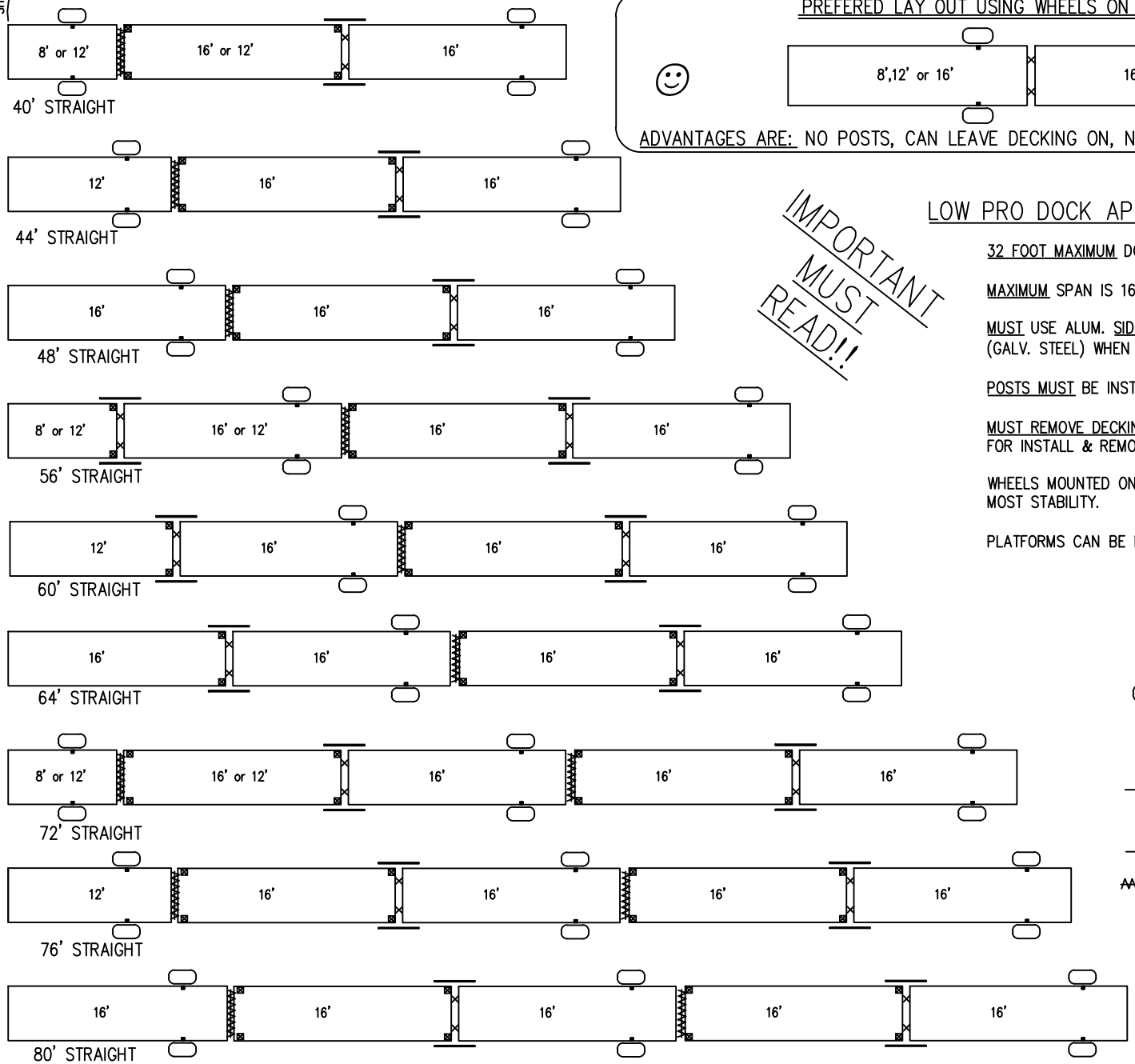
32' SUPER PLATFORM

SHORE END

ALL DOCKS ARE 4 FEET WIDE

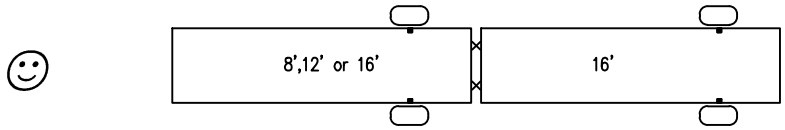
DAKA LOW PRO LONG DOCK DIAGRAMS, STRAIGHT

SHORE END



ALL DOCKS ARE 4 FEET WIDE

PREFERED LAY OUT USING WHEELS ON EVERY SECTION



ADVANTAGES ARE: NO POSTS, CAN LEAVE DECKING ON, NO SIDE PLATES, CREATES EASIER STORAGE.

IMPORTANT MUST READ!!

LOW PRO DOCK APPROVED LAYOUTS/ CONFIGURATIONS

32 FOOT MAXIMUM DOCK LENGTH WITH ONE SET OF WHEELS AND POSTS.

MAXIMUM SPAN IS 16 FEET PER SET OF SUPPORTS (POSTS OR WHEELS).

MUST USE ALUM. SIDE CONNECTOR PLATES AND CONNECTION BRACKETS (GALV. STEEL) WHEN CONNECTING TWO DOCK SECTIONS END TO END.

POSTS MUST BE INSTALLED WHERE SHOWN. (STORE IN DOWN POSITION)

MUST REMOVE DECKING IF WHEELS ARE FURTHER THAN 16' APART FOR INSTALL & REMOVAL

WHEELS MOUNTED ON STRAIGHT DOCKS TO THE OUTSIDE WILL GIVE YOU THE MOST STABILITY.

PLATFORMS CAN BE MOUNTED TO THE RIGHT (AS SHOWN) OR LEFT SIDE.

KEY:

- ALL DOCK SECTIONS ARE 4' WIDE SCREW JACK LEG W/WHEEL & BRACING
- ⊠ 2" SQ. POST W/ 2 ½" ADJ. 18" SLEEVE & FOOT PAD (ALL ALUM)
- —— 24" ALUM SIDE PLATE CONNECTOR
- × CONNECTION BRKTS (GALV. STEEL), END TO END
- —— GALV. PLATFORM OR SUPER PLATFORM BRACKET
- ^^^^^^ HINGE KIT

DAKA LOW PRO LONG DOCK DIAGRAMS, PLATFORM (8' X 8' END)

LOW PRO DOCK APPROVED LAYOUTS/ CONFIGURATIONS

32 FOOT MAXIMUM DOCK LENGTH WITH ONE SET OF WHEELS AND POSTS.

MAXIMUM SPAN IS 16 FEET PER SET OF SUPPORTS (POSTS OR WHEELS).

MUST USE ALUM. SIDE CONNECTOR PLATES AND CONNECTION BRACKETS (GALV. STEEL) WHEN CONNECTING TWO DOCK SECTIONS END TO END.

POSTS MUST BE INSTALLED WHERE SHOWN. (STORE IN DOWN POSITION)

MUST REMOVE DECKING IF WHEELS ARE FURTHER THAN 16' APART FOR INSTALL & REMOVAL

WHEELS MOUNTED ON STRAIGHT DOCKS TO THE OUTSIDE WILL GIVE YOU THE MOST STABILITY.

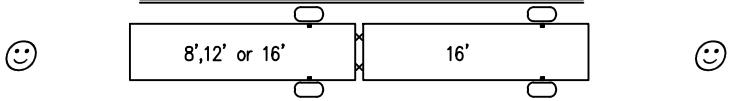
PLATFORMS CAN BE MOUNTED TO THE RIGHT (AS SHOWN) OR LEFT SIDE.

IMPORTANT MUST READ!!

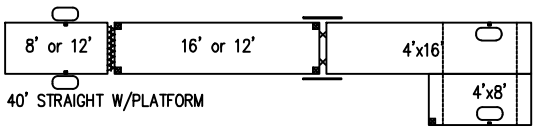
KEY:

- SCREW JACK LEG W/WHEEL & BRACING
- 2" SQ. POST W/ 2 ½" ADJ. 18" SLEEVE & FOOT PAD (ALL ALUM)
- 24" ALUM SIDE PLATE CONNECTOR
- CONNECTION BRKTS (GALV. STEEL), END TO END
- GALV. PLATFORM OR SUPER PLATFORM BRACKET
- HINGE KIT

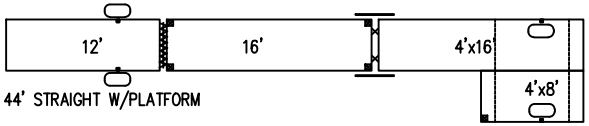
PREFERED LAY OUT USING WHEELS ON EVERY SECTION



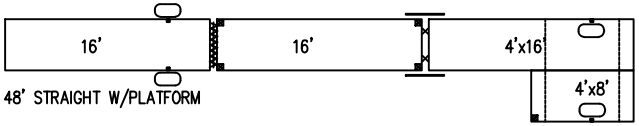
ADVANTAGES ARE: NO POSTS, CAN LEAVE DECKING ON, NO SIDE PLATES, CREATES EASIER STORAGE.



40' STRAIGHT W/PLATFORM

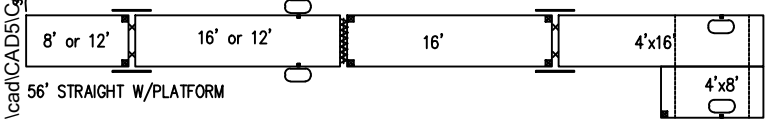


44' STRAIGHT W/PLATFORM



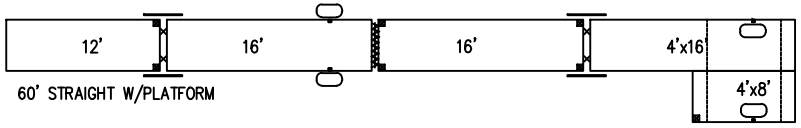
48' STRAIGHT W/PLATFORM

SHORE END

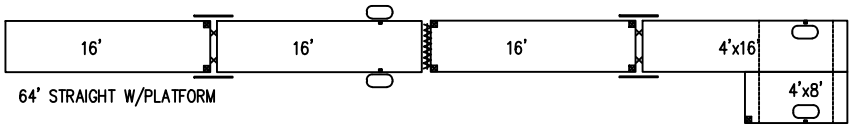


56' STRAIGHT W/PLATFORM

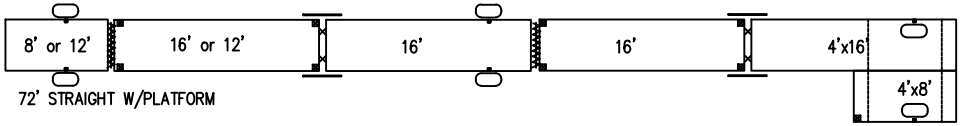
ALL DOCKS ARE 4 FEET WIDE



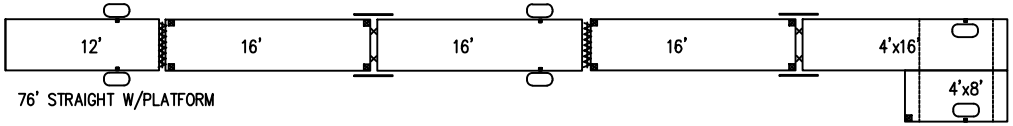
60' STRAIGHT W/PLATFORM



64' STRAIGHT W/PLATFORM

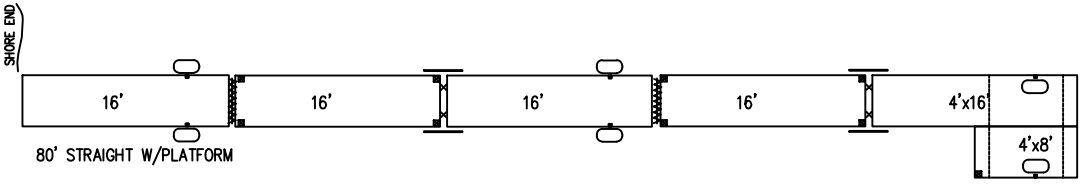


72' STRAIGHT W/PLATFORM



76' STRAIGHT W/PLATFORM

SHORE END



80' STRAIGHT W/PLATFORM

LOW PRO LONG DOCK DIAGRAMS, SUPER PLATFORM (8' X 12' END)

LOW PRO DOCK APPROVED LAYOUTS/ CONFIGURATIONS

32 FOOT MAXIMUM DOCK LENGTH WITH ONE SET OF WHEELS AND POSTS.

MAXIMUM SPAN IS 16 FEET PER SET OF SUPPORTS (POSTS OR WHEELS).

MUST USE ALUM. SIDE CONNECTOR PLATES AND CONNECTION BRACKETS (GALV. STEEL) WHEN CONNECTING TWO DOCK SECTIONS END TO END.

POSTS MUST BE INSTALLED WHERE SHOWN. (STORE IN DOWN POSITION)

MUST REMOVE DECKING IF WHEELS ARE FURTHER THAN 16' APART FOR INSTALL & REMOVAL

WHEELS MOUNTED ON STRAIGHT DOCKS TO THE OUTSIDE WILL GIVE YOU THE MOST STABILITY.

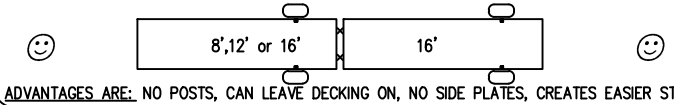
PLATFORMS CAN BE MOUNTED TO THE RIGHT (AS SHOWN) OR LEFT SIDE.

IMPORTANT MUST READ!!

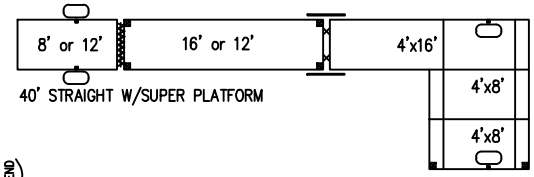
KEY:

- SCREW JACK LEG W/WHEEL & BRACING
- 2" SQ. POST W/ 2 ½" ADJ. 18" SLEEVE & FOOT PAD (ALL ALUM)
- 24" ALUM SIDE PLATE CONNECTOR
- CONNECTION BRKTS (GALV. STEEL), END TO END
- GALV. PLATFORM OR SUPER PLATFORM BRACKET
- HINGE KIT

PREFERED LAY OUT USING WHEELS ON EVERY SECTION

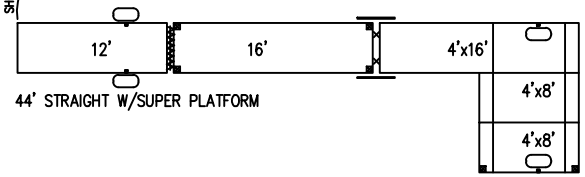


ADVANTAGES ARE: NO POSTS, CAN LEAVE DECKING ON, NO SIDE PLATES, CREATES EASIER STORAGE.

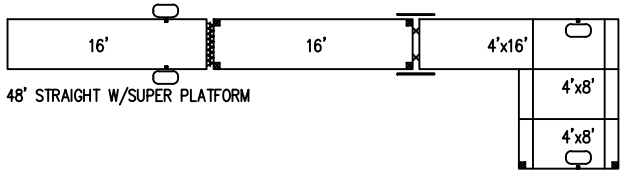


40' STRAIGHT W/SUPER PLATFORM

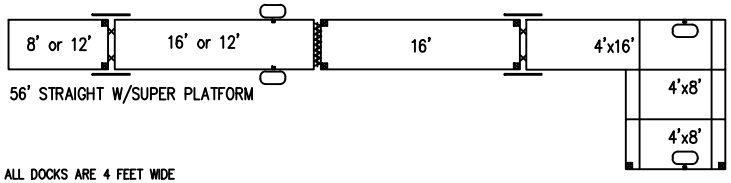
SHORE END



44' STRAIGHT W/SUPER PLATFORM

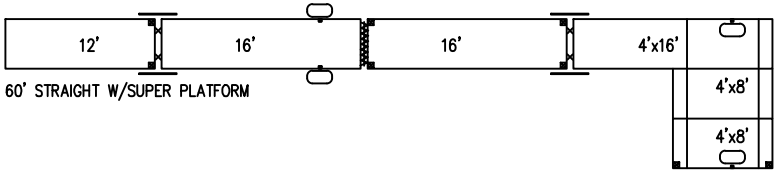


48' STRAIGHT W/SUPER PLATFORM

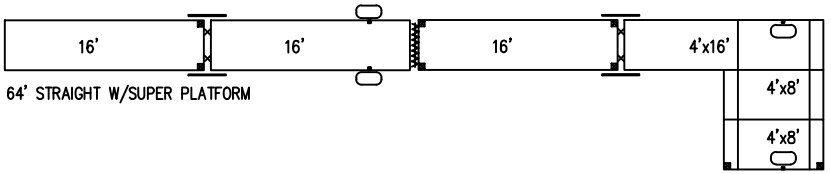


56' STRAIGHT W/SUPER PLATFORM

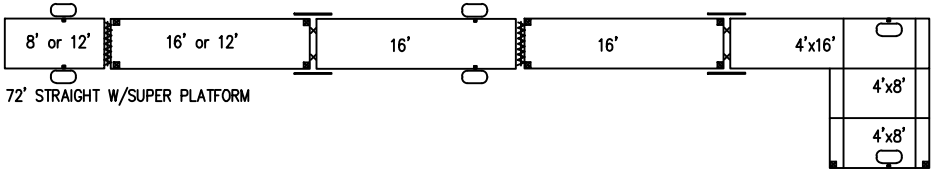
ALL DOCKS ARE 4 FEET WIDE



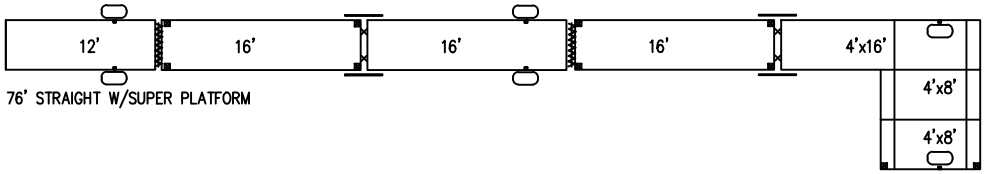
60' STRAIGHT W/SUPER PLATFORM



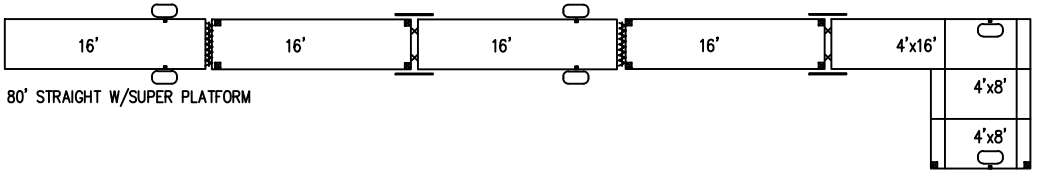
64' STRAIGHT W/SUPER PLATFORM



72' STRAIGHT W/SUPER PLATFORM

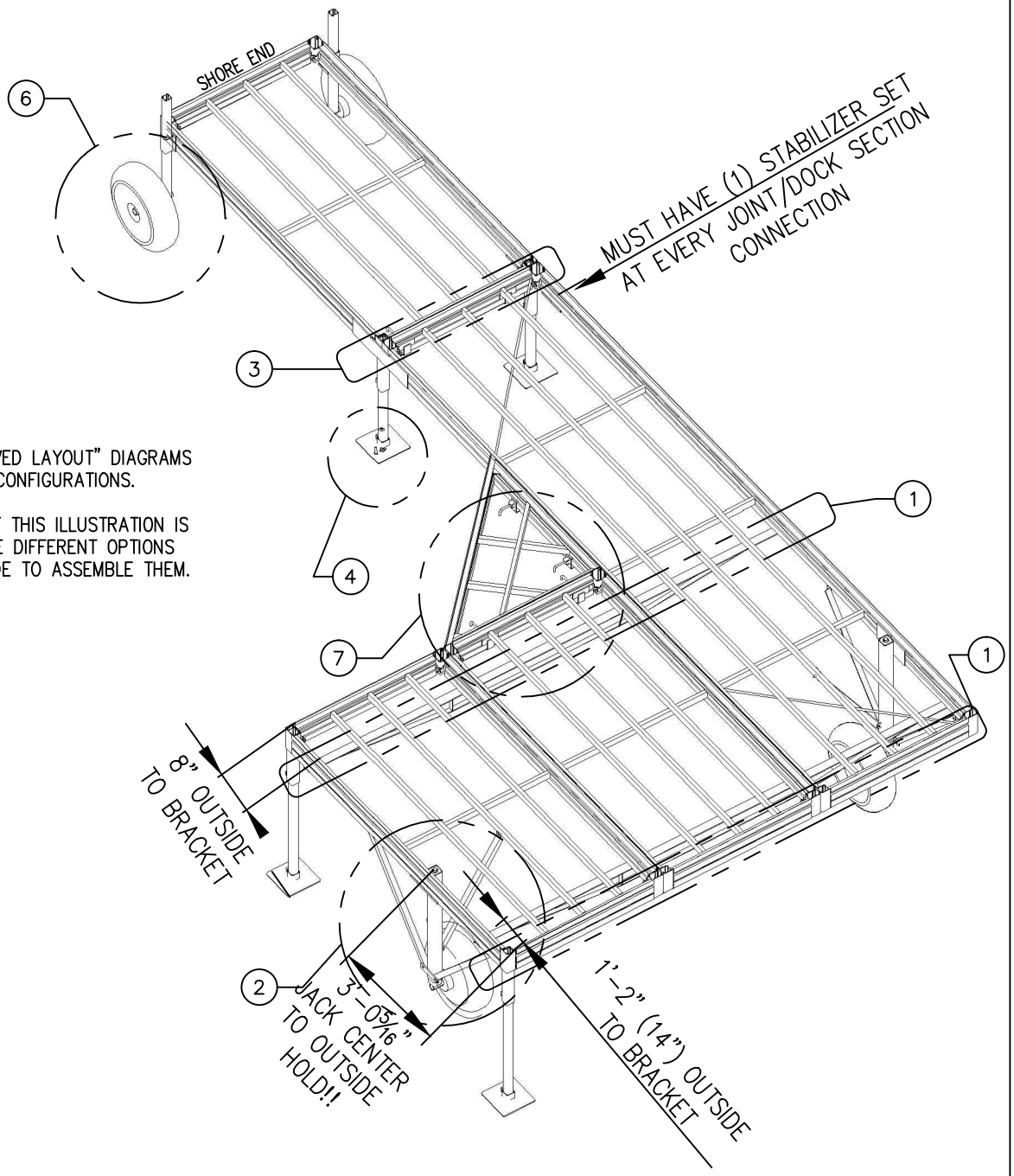


76' STRAIGHT W/SUPER PLATFORM



80' STRAIGHT W/SUPER PLATFORM

LOW PRO DOCKS GENERAL ASSEMBLY



SEE LOW PRO "APPROVED LAYOUT" DIAGRAMS FOR APPROVED DOCK CONFIGURATIONS.

THE ONLY PURPOSE OF THIS ILLUSTRATION IS TO SHOW SOME OF THE DIFFERENT OPTIONS AVAILABLE AND A GUIDE TO ASSEMBLE THEM.

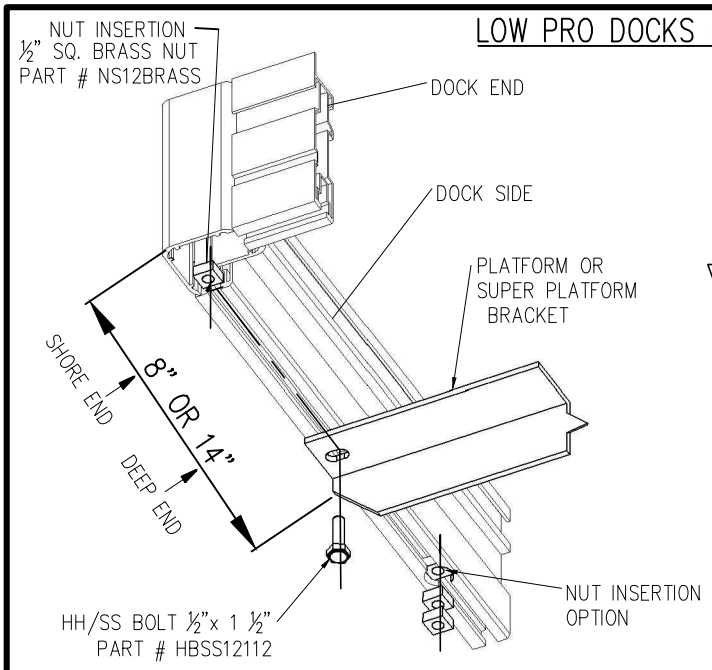
KEY	DESCRIPTION	QTY
①	PLATEFORM BRACKETS, SUPER & REG.	2
②	STD., XL & XXL SCREWJACKS, BRACES	2
③	SIDEPLATE CONNECTORS (ALUM.) & CONNECTION BRACKETS (GALV STEEL)	2
④	STABILIZER POST W/ FOOT PAD AND SLEEVE	6
⑤	(NOT USED)	
⑥	SHORE END WHEEL ACCESSORY KIT (MANUAL ADJ.)	2
⑦	CORNER SECTION WITH CONNECTORS	1

DAKA

DRAWN: DJW

4/1/15

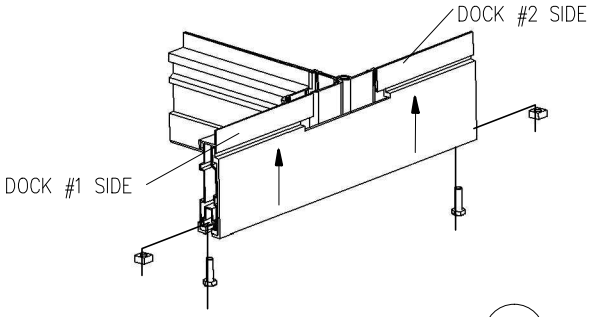
LOW PRO DOCKS GENERAL ASSEMBLY



INSERT BRASS NUT THRU AN ACCESS POINT AND SLIDE TO LOCATION OF BOLT (TYPICAL)

PLATFORM BRACKETS (GALV. STEEL)ASSEMBLY 1
VIEW LOOKING UP AT BOTTOM

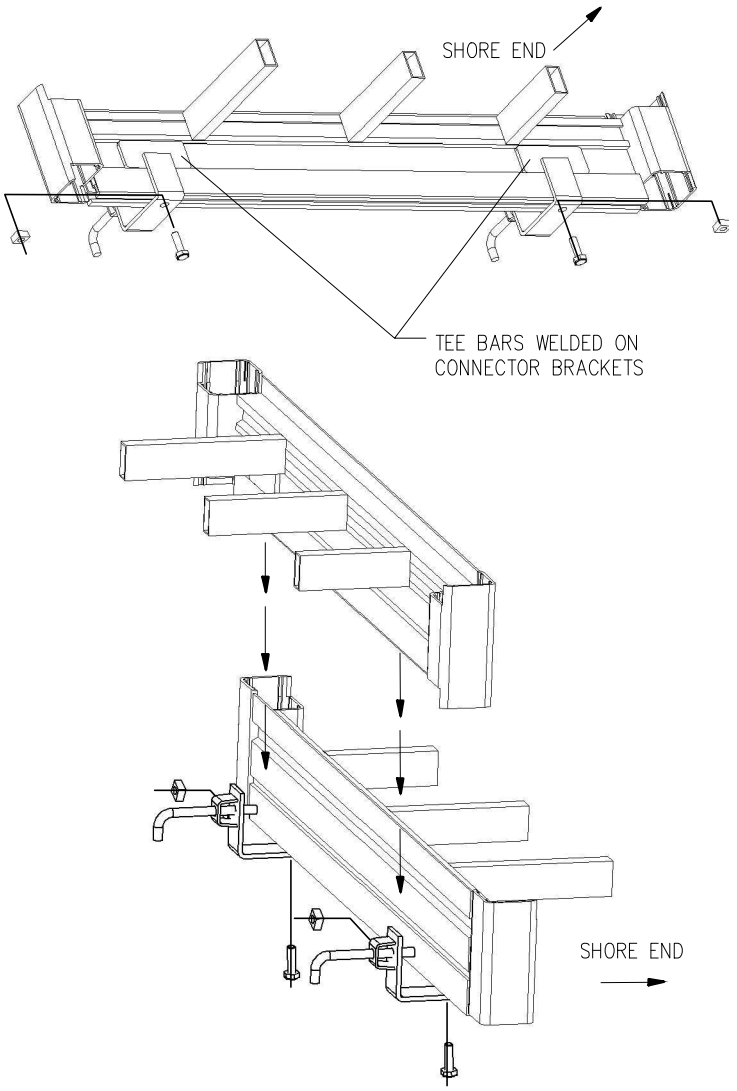
DESCRIPTION (B.O.M.) (FOR ONE PLATFORM)	QTY
PLATFORM BRACKETS (GALV. STEEL), SUPER OR REG.	2
HH/SS BOLT 1/2" X 1 1/2" (REG. 8 FT.)	8
HH/SS BOLT 1/2" X 1 1/2" (SUPER. 12 FT.)	12
1/2" SQ. BRASS NUT (REG. 8 FT.)	8
1/2" SQ. BRASS NUT (SUPER. 12 FT.)	12



SIDEPLATE CONNECTORS ALUM. 3

DOCKS MUST BE LEVEL AND STRAIGHT TO INSERT THE CONNECTOR PLATE INTO THE SIDE OF THE 7" EXTRUSION. INSERT $\frac{1}{2}$" S.S. BOLTS UP FROM BOTTOM INTO BRASS NUTS IN NUT CHANNEL.

DESCRIPTION (B.O.M.) (FOR TWO)	QTY
SIDEPLATE CONNECTORS ALUM.	2
HH/SS BOLT 1/2" X 1 1/2"	4
1/2" SQ. BRASS NUT	4



ENDS OF LOW PRO DOCKS, SIDES NOT SHOWN FOR CLAIRITY.

CONNECTION BRACKETS (GALV. STEEL) 3

MOUNT THE CONNECTION BRACKETS (GALV. STEEL) TO THE END OF THE DOCK. TEE BAR SHOULD BE CLOSEST TO SHORE.

INSERT A $\frac{1}{2}$" S.S. BOLT UP FROM BOTTOM THRU BRACKET HOLE INTO THE BRASS NUT IN THE NUT CHANNEL AND TIGHTEN. SET THE ADJOINING DOCK INTO THE CLAMP, TIGHTEN.

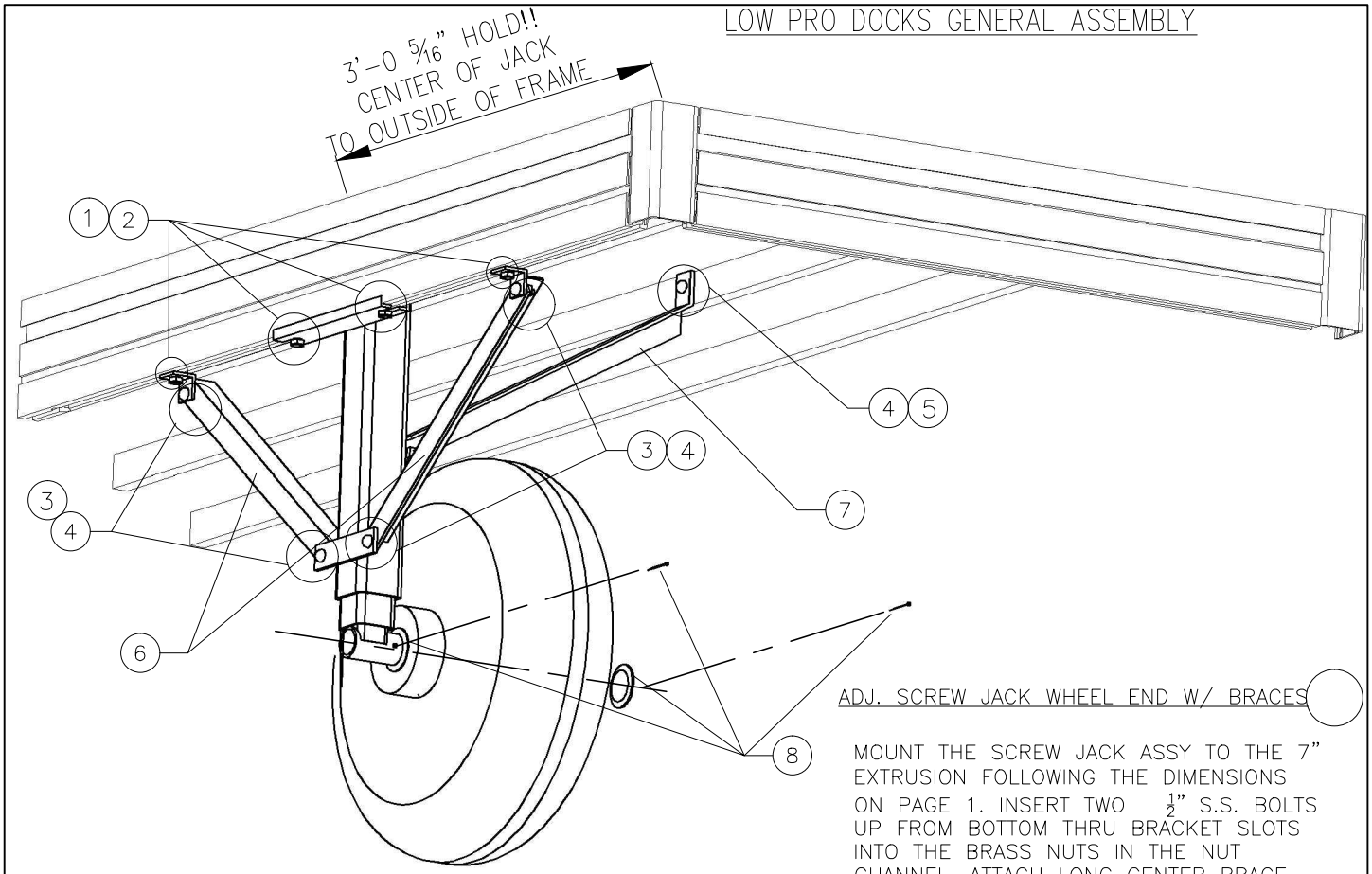
DESCRIPTION (B.O.M.) (FOR TWO)	QTY
CONNECTION BRACKETS (GALV. STEEL)	2
HH/SS BOLT 1/2" X 1 1/2"	2
1/2" SQ. BRASS NUT	4
1/2" "L" BOLT	2

DAKA

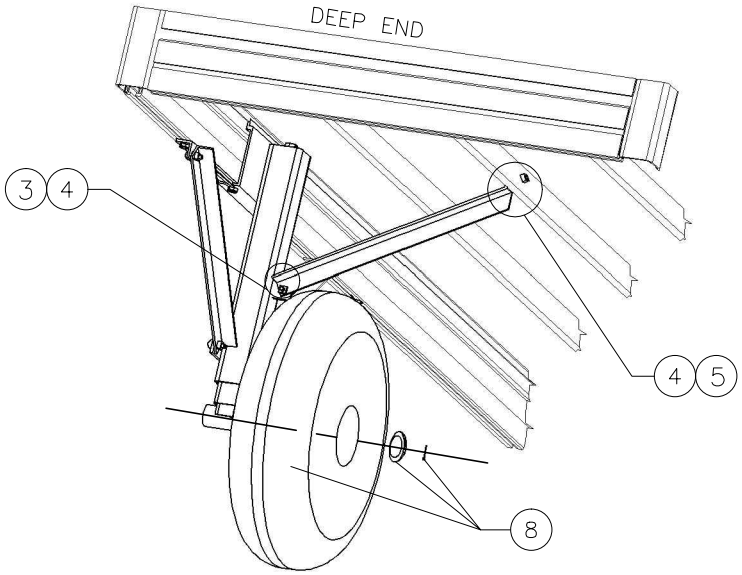
DRAWN: DJW

4/1/15
PAGE 8

LOW PRO DOCKS GENERAL ASSEMBLY



ADJ. SCREW JACK WHEEL END W/ BRACES



MOUNT THE SCREW JACK ASSY TO THE 7" EXTRUSION FOLLOWING THE DIMENSIONS ON PAGE 1. INSERT TWO ½" S.S. BOLTS UP FROM BOTTOM THRU BRACKET SLOTS INTO THE BRASS NUTS IN THE NUT CHANNEL. ATTACH LONG CENTER BRACE ANGLE USING ⅜" CARRIAGE BOLTS. (LONG BOLT IS THE CENTER FRAME TUBE BOLT) ATTACH THE SMALL ANGLE CLIPS USED FOR CONNECTING THE BRACES TO THE FRAME. ATTACH THE TWO SHORTER ANGLE BRACES FROM THE SCREW JACK TO THE ANGLE CLIPS USING ⅜" CARRIAGE BOLTS WITH BRASS NUTS.

LOOSEN THE SET BOLT IN THE JACK TUBE TO REMOVE AND ROTATE THE AXLE TO THE INSIDE OR OUTSIDE OF THE DOCK. INSTALL A COTTER PIN, LARGE WASHER, WHEEL, LARGE WASHER & COTTER PIN ON THE AXLE TO COMPLETE ASSEMBLY.

WHEN ASSEMBLING A PAIR OF SCREW JACKS ON A 4 FT. WIDE DOCK USE THE CENTER 1" x 2" TUBE FRAME HOLE FOR BOTH LONG CENTER BRACES. IT IS MANDATORY TO ROTATE THE WHEELS TO THE OUTSIDE OF THE DOCK FOR GREATER STABILITY.

KEY	DESCRIPTION B.O.M. (FOR ONE)	QTY	PART#
①	½" x 1 ½" HEX HEAD STAINLESS STEEL BOLT W/ BRASS SQ NUT	4	HBSS12112
②	½" NUT, SQUARE, BRASS	4	NS12BRASS
③	⅜"x 1" STAINLESS STEEL CARRIAGE BOLT	5	CBSS381
④	⅜" HH BRASS FLANGE NUT	6	FLN38BRASS
⑤	⅜"x 2" STAINLESS STEEL CARRIAGE BOLT	1	CBSS382
⑥	BRACE ANGLE, SHORT	2	SEE B.O.M.
⑦	BRACE ANGLE, LONG	1	SEE B.O.M.
⑧	WHEEL, WASHERS, COTTER PINS	1	SEE B.O.M.

DAKA

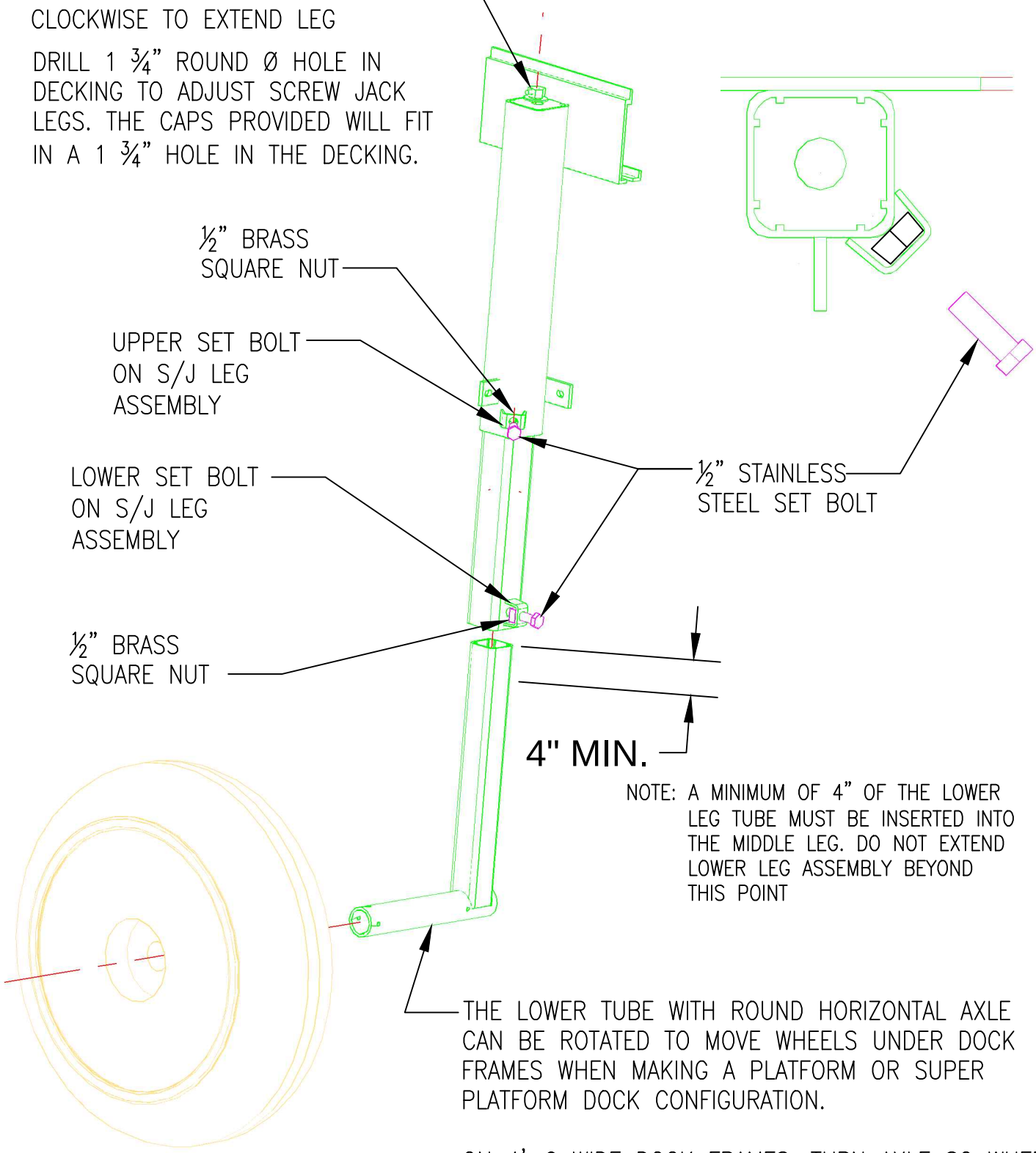
DRAWN: DJW

4/1/15

LOW PRO DOCKS SCREW JACK LEG ASSEMBLY

ADJUSTMENT NUT 15⁄16" SOCKET TURN ADJUSTMENT NUT COUNTER CLOCKWISE TO EXTEND LEG

DRILL 1 ¾" ROUND Ø HOLE IN DECKING TO ADJUST SCREW JACK LEGS. THE CAPS PROVIDED WILL FIT IN A 1 ¾" HOLE IN THE DECKING.



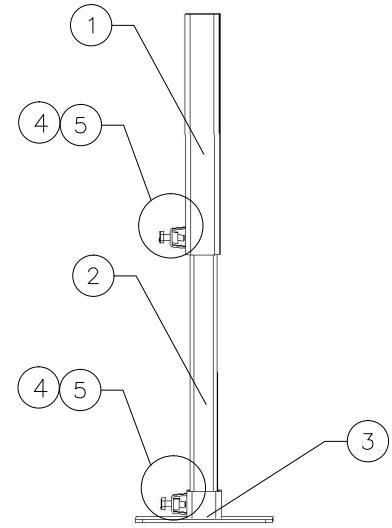
NOTE: A MINIMUM OF 4" OF THE LOWER LEG TUBE MUST BE INSERTED INTO THE MIDDLE LEG. DO NOT EXTEND LOWER LEG ASSEMBLY BEYOND THIS POINT

THE LOWER TUBE WITH ROUND HORIZONTAL AXLE CAN BE ROTATED TO MOVE WHEELS UNDER DOCK FRAMES WHEN MAKING A PLATFORM OR SUPER PLATFORM DOCK CONFIGURATION.

ON 4'–0 WIDE DOCK FRAMES, TURN AXLE SO WHEELS ARE TO THE OUTSIDE. THIS WIDER STANCE WILL GIVE THE NARROWER DOCK MORE STABILITY.

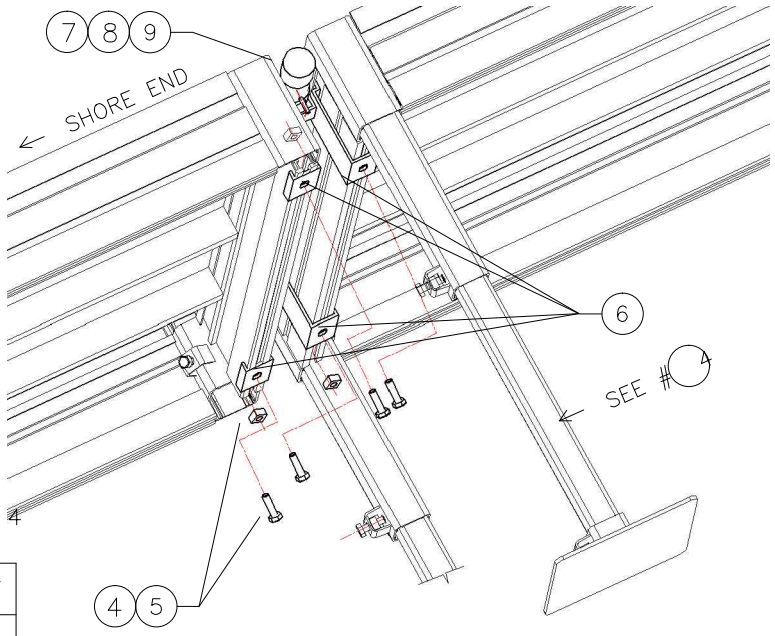
4/1/15

LOW PRO DOCKS GENERAL ASSEMBLY



STABILIZER SLEEVE & POST W/ FOOT PAD 4

KEY	DESCRIPTION (B.O.M.) FOR ONE EACH	QTY
KEY	STABILIZER SLEEVE & POST W/ FOOT PAD	
1	STABILIZER SLEEVE, 18" LONG, 2 ½" SQ. ALUM.	1
2	POST, 6'–10" LONG, 2" SQ. ALUM.	1
3	FOOT PAD ASSEMBLY, 10" X 10" ALUM	1
4	HH/SS BOLT 1/2" X 1 1/2"	2
5	1/2" SQ. BRASS NUT	2



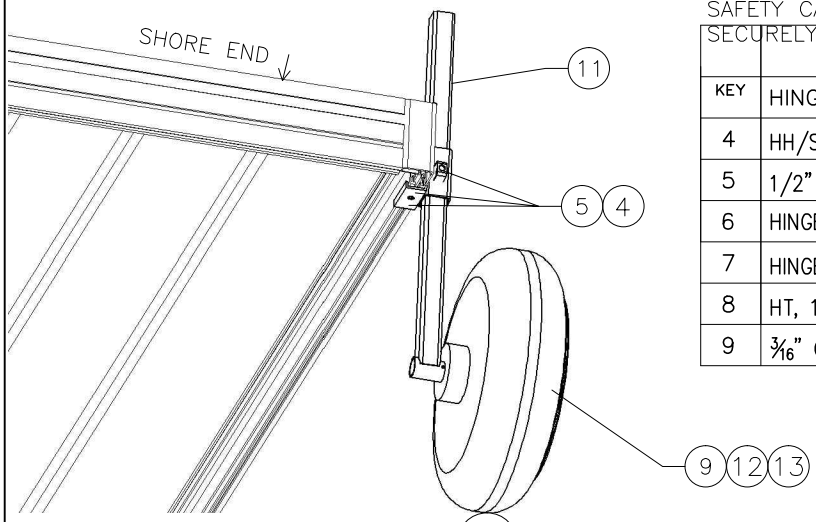
HINGE ASSEMBLY 5

VIEW LOOKING UP FROM BOTTOM

MOUNT TWO HINGE BRACKETS TO THE ENDS OF EACH DOCK TO BE JOINED. LEAVE BOLTS SNUG FOR FINAL ADJUSTMENT. JOIN THE DOCK ENDS BY SLIDING THE PIPE THRU THE HINGE BRACKETS.

INSERT COTTER PINS IN PIPE. COVER ENDS OF PIPE WITH SAFETY CAPS PROVIDED. TIGHTEN HINGE BRACKET BOLTS SECURELY.

KEY	DESCRIPTION (B.O.M.) FOR ONE EACH	QTY
KEY	HINGE ASSEMBLY	1
4	HH/SS BOLT 1/2" X 1 1/2"	4
5	1/2" SQ. BRASS NUT	4
6	HINGE BRACKETS	4
7	HINGE PIPE, 1 ½" PIPE X 47 ½" LONG	1
8	HT, 1⅞"ø SAFETY PLASTIC CAP	2
9	3/16" COTTER PIN	2



SHORE END WHEEL ASSEMBLY 6

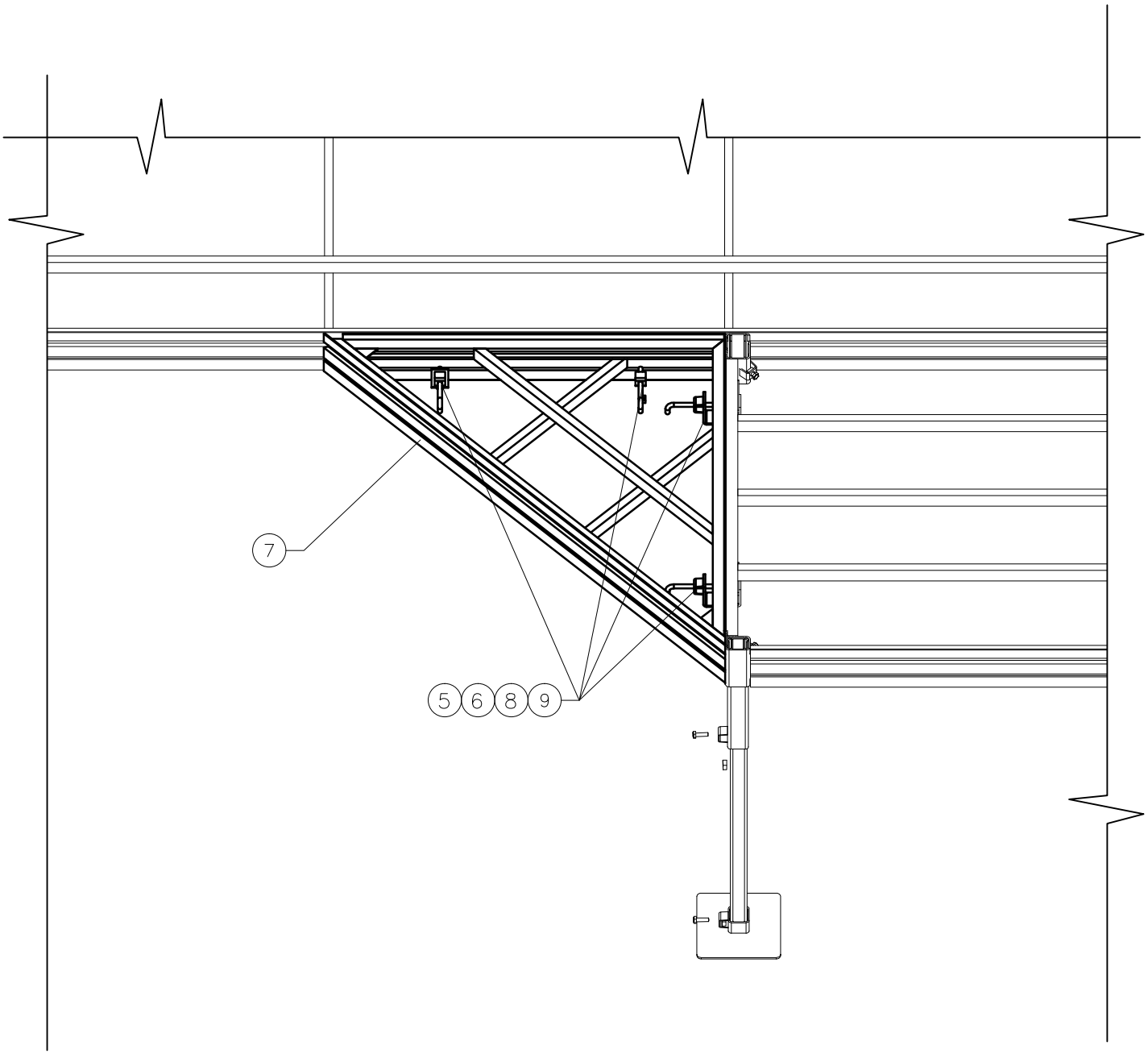
KEY	DESCRIPTION (B.O.M.) FOR ONE EACH	QTY
KEY	SHORE WHEEL ASSEMBLY	1
4	HH/SS BOLT 1/2" X 1 1/2"	2
5	1/2" SQ. BRASS NUT	2
9	3/16" COTTER PIN	2
11	3 FT., 2" SQ. TUBE WITH AXLE	1
12	WHEEL	1
13	WASHERS	2

DAKA

DRAWN: DJW

4/1/15
PAGE 11

LOW PRO DOCKS GENERAL ASSEMBLY



KEY	DESCRIPTION (B.O.M.) (FOR ONE)	QTY
7	CORNER SECTION	1
5	CONNECTION BRACKETS (GALV. STEEL)	4
6	HH/SS BOLT 1/2" X 1 1/2"	4
8	1/2" SQ. BRASS NUT	8
9	1/2" "L" BOLT	4

CORNER SECTION ◯ 7

MOUNT THE CONNECTION BRACKETS (GALV. STEEL) TO THE ADJOINING DOCK SIDES AND END. TEE BAR SHOULD BE MOUNTED TO ATTACHING DOCKS AND NOT THE CORNER SECTION. INSERT A $\frac{1}{2}$" S.S. BOLT UP FROM BOTTOM THRU BRACKET HOLE INTO THE BRASS NUT IN NUT CHANNEL. (REFER TO PAGE 5, DETAIL 3) SET THE CORNER SECTION INTO THE CLAMP CRADLES AND TIGHTEN.

DAKA

DRAWN: DJW

4/1/15