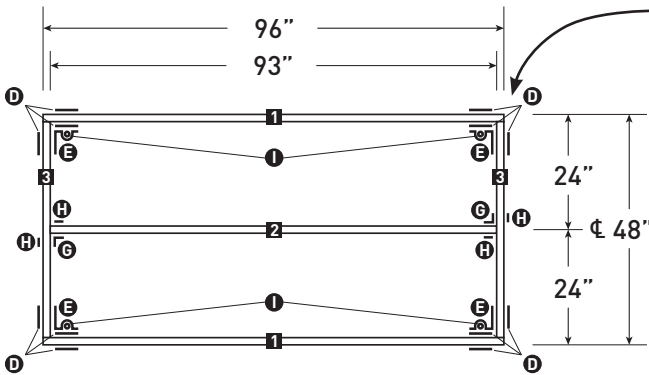


### USE GREEN LABELLED OR GREEN DOT ● COMPONENTS FOR STATIONARY DOCK CONSTRUCTION

#### HOW TO BUILD A 4' x 8' Stationary Dock

1 Assemble main framework. Drill holes for 87-122-F.



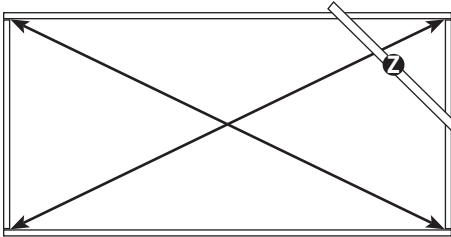
Always use a backer plate 87-122-F on both sides of the framework when attaching leg pipe holders.

DESCRIPTION	LENGTH or PART #	QTY.
1 - End Stringer	2" x 6" x 96"	2
2 - Center Stringer	2" x 6" x 93"	1
3 - Side Stringer	2" x 6" x 45"	2
D - Backer Plate	87-122-F	12
E - Corner Leg Holder	86-100-F	4
F - Hinge Connector*	86-103-F	2
G - Joist Corner	95-122-F	2
H - Washer Plate	99-006-F	4
I - Leg Pipe, 6'8"	93-168-F	4
J - Carriage Bolt	1/2" x 2 1/2"	40
K - Lock Washers	1/2"	40
L - Nuts	1/2"	40

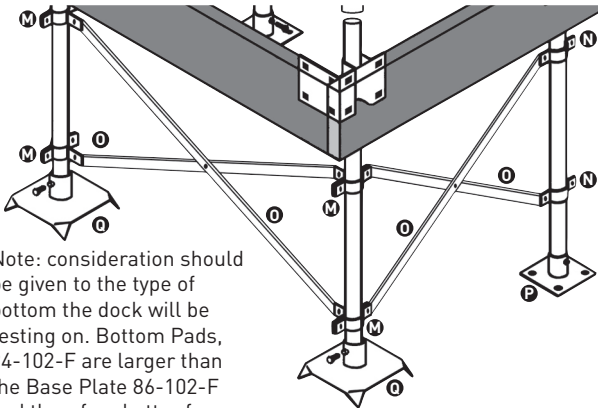
\* Required if affixing dock sections or a ramp together.  
Note: items J, K & L included in packages of 8 in Kit 85-100-F.

#### SQUARING YOUR DOCK STRUCTURE

Check the squareness by measuring from corner to corner of the frame in an "X" pattern as shown. The measurement should be +/- 1/4" between each other. Lock the framework into square by temporarily securing a piece of lumber (Z) across one corner as shown.



2 Reinforcing the leg pipes and choosing a leg pipe base for bottom conditions.

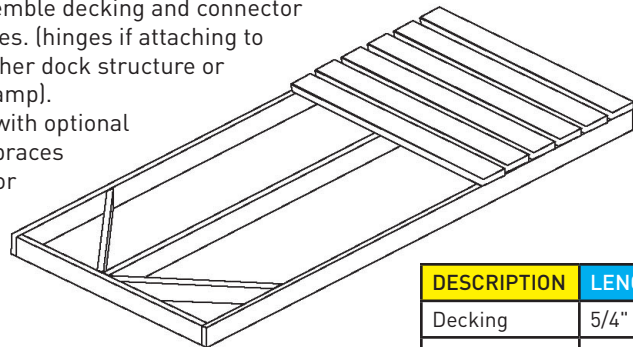


Note: consideration should be given to the type of bottom the dock will be resting on. Bottom Pads, 94-102-F are larger than the Base Plate 86-102-F and therefore better for soft or sandy bottoms where the dock structure requires a more stable footing. Alternatively, if necessary, the base plate may be fastened to a concrete slab or footing for additional stability or in areas of strong currents or wave action.

DESCRIPTION	PART #	QTY.
O - Leg Brace Set	89-101-F	6
M - Corner Leg Brace Holder	87-107-F	4
N - Side Leg Brace holder	93-105-F	4
Q - Bottom Pad	94-102-F	4
P - Base Plate	86-102-F	4

Note: Several options and combinations available for stabilizing a stationary dock structure.

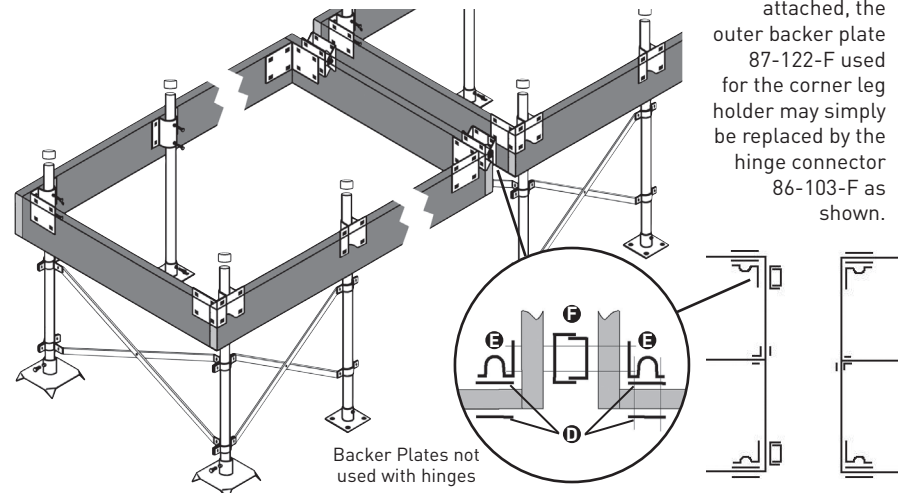
3 Assemble decking and connector hinges. (hinges if attaching to another dock structure or shore ramp). Shown with optional corner braces added for extra rigidity.



DESCRIPTION	LENGTH	QTY.
Decking	5/4" x 6" x 48"	16
R - Screws	#10 x 3"	96

#### CONNECTING DOCK SECTIONS

When attaching dock sections, leg braces should always be used on the leading edge of each dock section for stability.



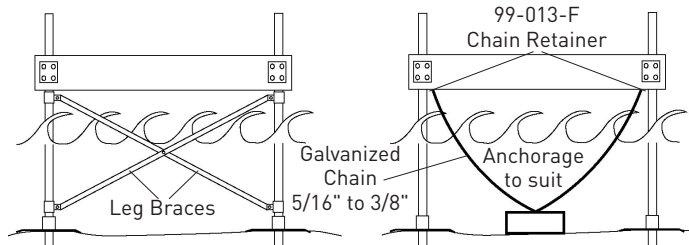
Where dock sections are attached, the outer backer plate 87-122-F used for the corner leg holder may simply be replaced by the hinge connector 86-103-F as shown.

Backer Plates not used with hinges

### 4 STATIONARY DOCK ANCHORAGE

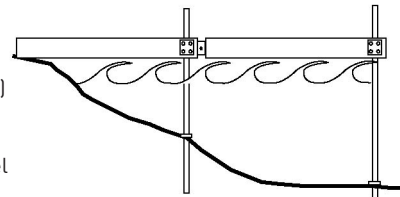
Drive leg pipes no less than 12" (30,5cm) into lake bed, 24" (61cm) if dock to be used for a boat mooring.

DESCRIPTION	LENGTH or PART #	QTY.
S - Chain Retainer	99-013-F	2
H - Washer Plate	99-006-F	4
Galvanized chain	5/16" x 48" approx	1
Hardware Fastener Kit	85-150-F	1
Anchorage	Min. 125lb ea.	2



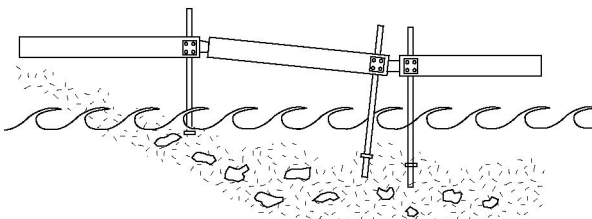
### GRADED SHORELINE INSTALLATION

- Use hinge 86-103-F between dock segments.
- Allow leg pipes to protrude below the bottom pads by approximately 12" (30,5cm) so they will become embedded in the lake bed.
- Adjust leg pipe holders on leg pipes to level dock segments before tightening.



### UNEVEN SHORELINE INSTALLATION

- Use hinge 86-103-F between dock segments.
- Allow the dock segment with the highest drop in elevation to act as a ramp to a maximum of 15° angle.
- Adjust leg pipe holders on leg pipes to sufficient contact with lake bed.
- Tighten leg holders.



### Hardware & Fasteners required (referenced by item letter)

 <b>D</b> 87-122-F Backer Plate	 <b>E</b> 86-100-F Corner Leg Holder	 <b>F</b> 86-103-F Connector Hinge	 <b>G</b> 95-122-F Joist Corner	 <b>H</b> 99-006-F Washer Plate	 <b>I</b> 93-168-F   93-110-F 6' 8"   10' Galvalume Leg Pipe, 2"	 <b>J</b> Carriage Bolts	 <b>K</b> Lock Washers	 <b>L</b> Nuts	
 <b>M</b> 87-107-F Corner Leg Brace Holder	 <b>N</b> 93-105-F Leg Brace Holder	 <b>O</b> 89-101-F Leg Brace Set	 <b>P</b> 86-102-F Base Plate	 <b>Q</b> 94-102-F Bottom Pad	 <b>R</b> Deck Screws	 <b>S</b> 99-013-F Chain Retainer	 <b>T</b> 86-104-F Corner Plate	 <b>U</b> 86-101-F Side Leg Holder	 <b>V</b> 91-111-F Leg Cap

### Hardware Requirements for Other Dock Sizes

DESCRIPTION	PART #	4 x 8 Dock	8 x 8 Dock	4 x 16 Dock	8 x 16 Dock
G - Joist Corner	95-122-F	2	6	6	18
H - Washer Plate	99-006-F	4	12	4	12
E - Corner Leg Holder	86-100-F	4	4	6	6
U - Side Leg Holder (optional)	86-101-F	4	4	6	4
M - Corner Leg Brace Holder	87-107-F	4	4	6	6
N - Side Leg Brace Holder	93-105-F	4	4	6	6
O - Adjustable Leg Brace Set	89-101-F	6	6	12	12
I - Leg Pipe 6'8"	93-168-F	4	4	6	6
Q - Bottom Pad	94-102-F	4	4	6	6
P - Base Plate	86-102-F	May be used in combination with or in place of Bottom Pad 94-102-F			
V - Pipe Cap	91-111-F	4	4	6	6
S - Chain Retainer	99-013-F	2 (Use at outer most end of dock structure up to 16' & every 16' thereafter)			
D - Backer Plate	87-122-F	12	12	18	18
Hardware Fastener Kit (8 pack Carriage Bolts, Lock Washers & Nuts)	85-150-F	5	8	10	14
F - Connector Hinge*	86-103-F	2	2	2	2
T - Corner Plate**	86-104-F	2	2	2	4

\* Connector Hinges used for between-dock and shore-to-dock or ramp connections and not required for individual dock sections.

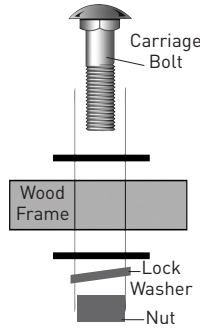
\*\* Corner plate hardware to be used at dock-to-shore connection of dock where leg support is not required.

### Tools Required for the average Dock Build

(excludes sizing/cutting of structural wood members)

- Electric Drill
- 3/16" drill bit
- 3/8" drill bit or auger
- 3/8" drive Socket wrench set
- Wrench set
- #2 Robertson (square) bit drive for decking screws
- Pencil
- Measuring tape
- 2-1/2" hole saw (not required if mounting leg pipes on outer dock face)

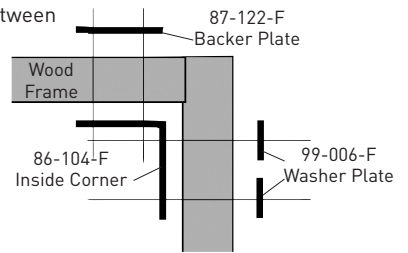
### Important Tips



**Always** use a lock washer with each carriage bolt usage to prevent bolts loosening over time.

**Always** use washer plates (99-006-F), backer plate (87-122-F) or mating hardware components together.

Framework of the dock structure should be sandwiched between hardware pieces at all joint locations as shown. (sample only, other configurations possible)



### Attaching rolling wheels for dock insertion and removal

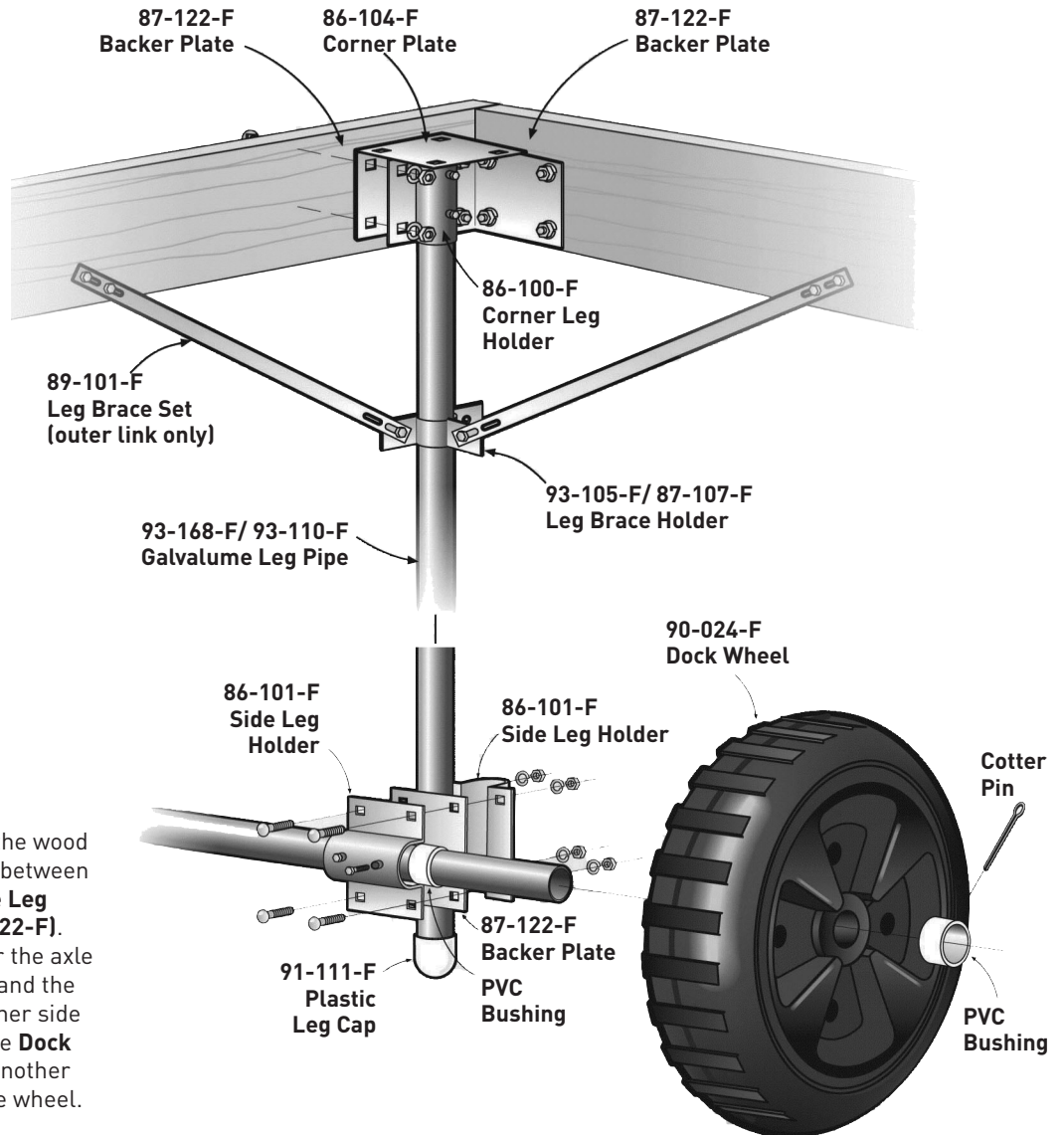
#### Dock Wheel Installation:

Adding wheels to a new or existing dock doesn't need to be complicated. By using Dock Edge + hardware, wheels can be attached simply and securely. The strongest connection needs to be between the dock and the wheel assembly—this is where the most stress occurs. To add wheels to a dock, substitute a standard **Corner Plate (86-104-F)** with a **Corner Leg Holder (86-100-F)** to hold a **Galvalume Leg Pipe (93-168-F/93-110-F)**. This Leg Pipe becomes the strut that will later hold the axle. To provide additional insurance that the Leg Pipe won't move vertically, sandwich a standard Corner Plate between the Corner Leg Holder and the wood dock frame. Rotate the Corner Plate 90° so that it covers the top of the Leg Pipe. To further increase the lateral strength of the Leg Pipe add a **Corner Leg Brace Holder (93-105-F/87-107-F)** and an arm from the **Leg Brace Set (89-101-F)** to the Leg Pipe. Bolt the other end of the arm from the Leg Brace Set to the wood dock frame. Repeat this procedure for the other side of the dock.

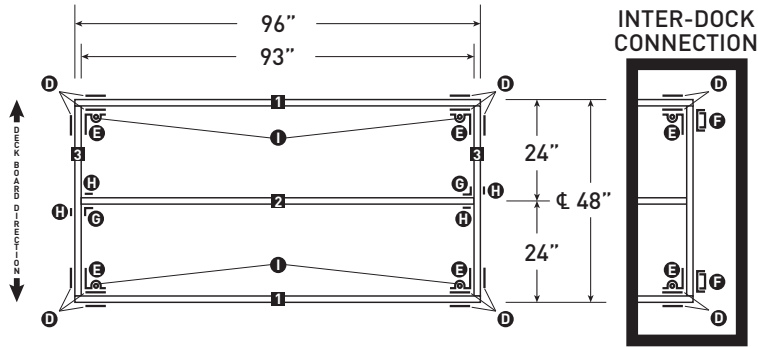
#### Axle and wheel assembly:

Once the Leg Pipes are securely fastened to the wood dock frame, attach the axle pipe horizontally between the two leg pipes using a combination of **Side Leg Holders (86-101-F)** and **Backer Plates (87-122-F)**. Cut a short section of PVC pipe and slide over the axle to act as a bushing between the Dock Wheel and the Side Leg Holders. Next, drill two holes on either side of the axle end to accept a cotter pin. Slide the **Dock Wheel (90-024-F)** onto the axle followed by another PVC bushing. Install a cotter pin to secure the wheel. Repeat the procedure for each dock wheel.

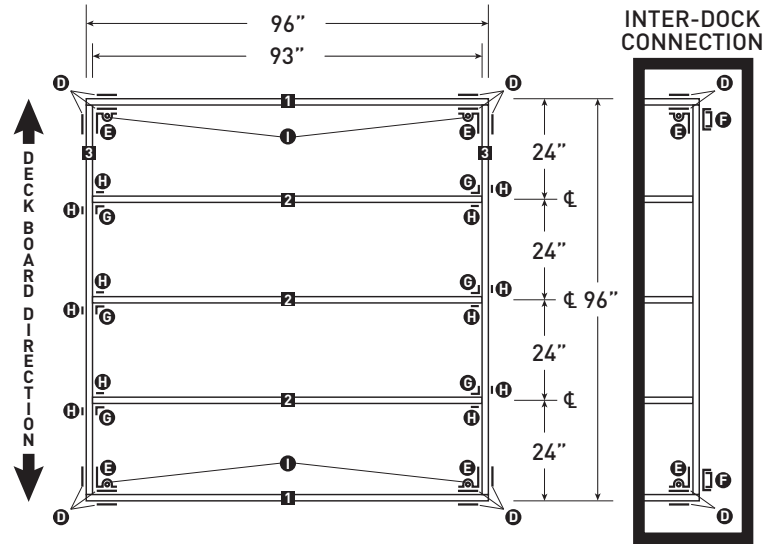
#### Wheel Strut Attachment Detail For Dock Insertion & Removal



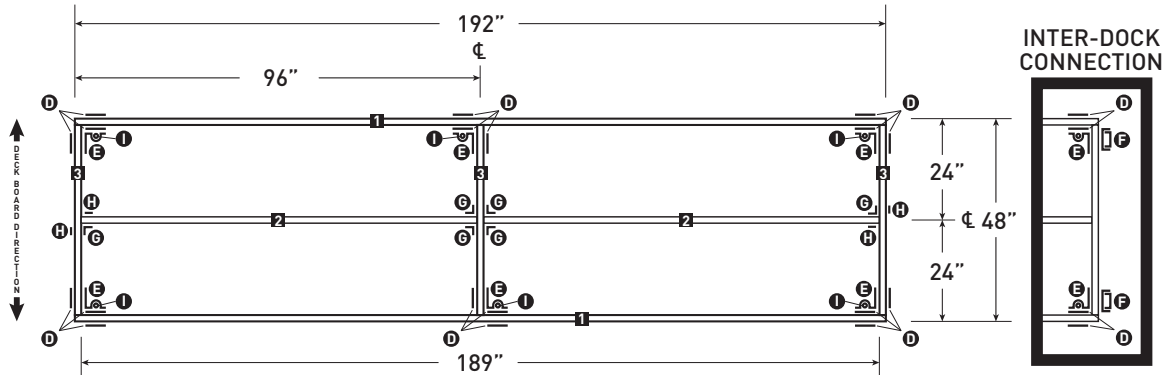
### 4' x 8' Stationary Dock



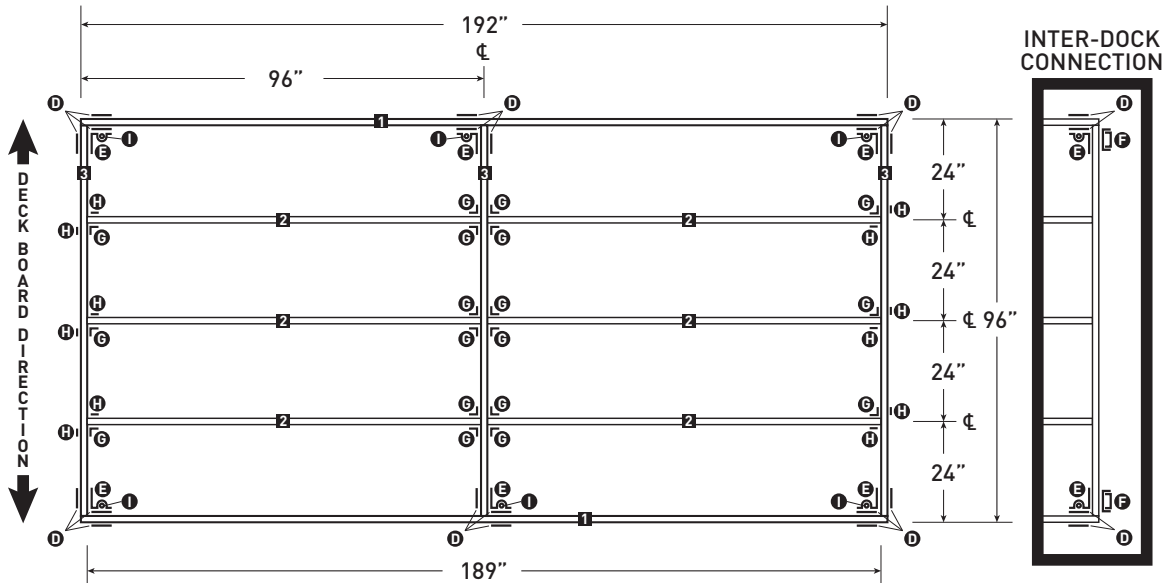
### 8' x 8' Stationary Dock



### 4' x 16' Stationary Dock



### 8' x 16' Stationary Dock



For your convenience, larger versions of these plans are available for download at [www.dockedge.com](http://www.dockedge.com)

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