

Gangway and Dock Systems, ENDECK, Sure Step & Seawall

Durable, long-lasting dock solutions from Eastern Metal Supply!

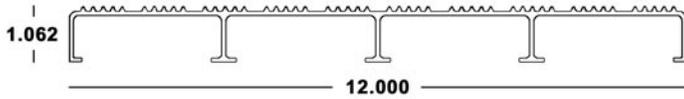
EMS specializes in Aluminum extrusions for the fabrication of gangways and docks. We also carry **ENDECK PVC Decking**, a top of the line, ultra-low maintenance product that is the perfect choice for docks and marinas because it can withstand full time water submersion! **SURE STEP**, an innovative interlocking decking system for docks, marinas, gangways, and walkways. Lightweight and easy to install, it's also easy on bare feet and allows excellent light penetration for environmentally sensitive areas.



12" Dock Flooring x 24' 1"

6005-T5 Mill Finish; *Engineering available upon request*

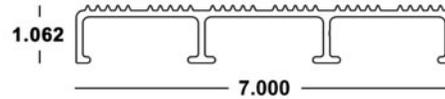
- 30-63-112** Knurled
- 30-63-224** Non-Knurled



7" Step x 24' 1"

6005-T5 Mill Finish

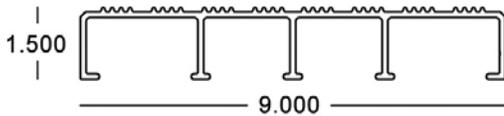
30-61-116



9" Deck x 24'

6063-T6 Mill Finish Knurled

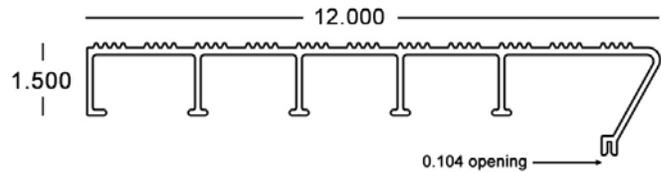
MILL ORDER 52-63-13776



12" Step with Insert x 12' 3"

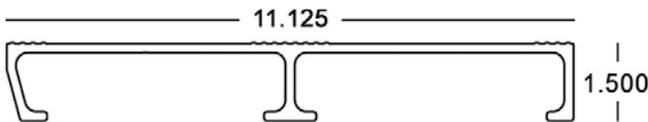
6063-T6 Mill Finish

30-63-115



11.125" x 1.5" Decking

MILL ORDER 52-63-13422



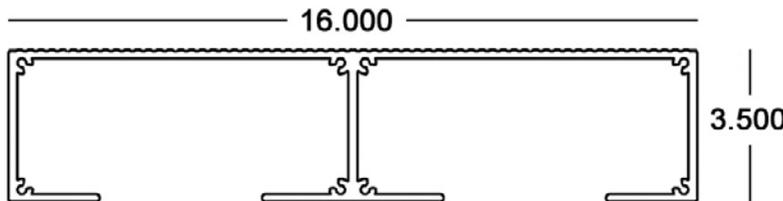
3-1/2" x 16" Walk Board

6005A-T61; *Mates with End Cap 30-EC-000*

Custom Lengths Available; Sandblasted Finish Available as a Special Order

- 30-61-312 x 12'
- 30-61-314* x 14'
- 30-61-316 x 16'
- 30-61-318* x 18'
- 30-61-320 x 20'
- 30-61-324 x 24'
- 30-61-330 x 30'

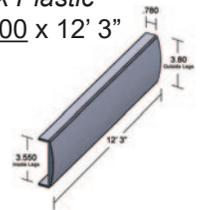
**Limited inventory available; Mill Order availability once inventory runs out*



16" Walk Board End Cap

UV Black Plastic

30-EC-000 x 12' 3"



16" Walk Board Stiffener

31-61-STIFF

.090" x 16" x 16"

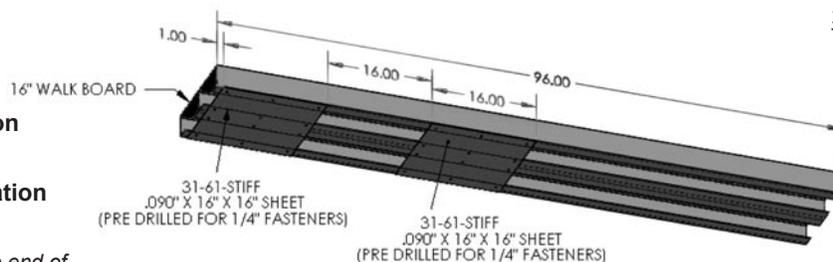
Predrilled with 1/4" holes



• 7' - 8' Free Span Application
Requires 2 Stiffeners 16" apart

• 8' to 10' Free Span Application
Requires 3 Stiffeners 16" apart

Start the first Stiffener 1" from the end of span to allow for End Cap.



EASTERN METAL SUPPLY

DOCK & DECK 02
10/17/24

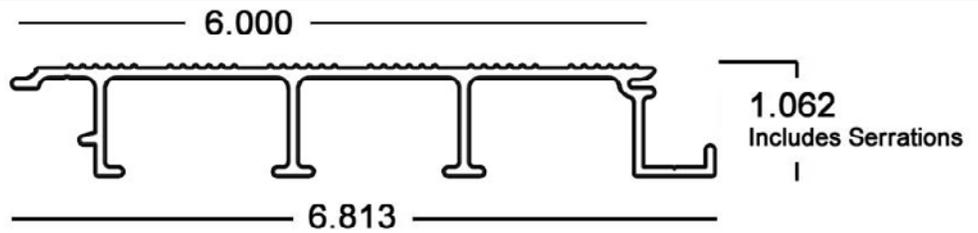
www.easternmetal.com

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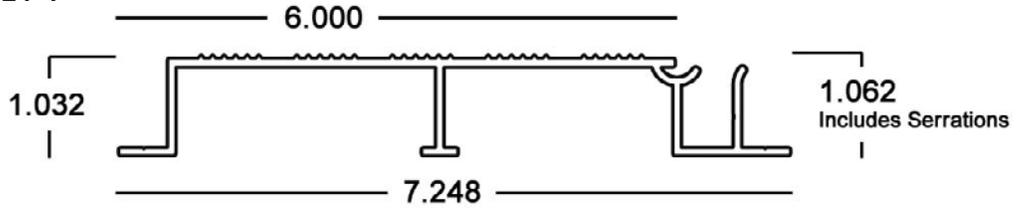
Two Piece Self Mating Dock Flooring x 24' 1"

6063-T6 Mill Finish; Knurled
30-63-101



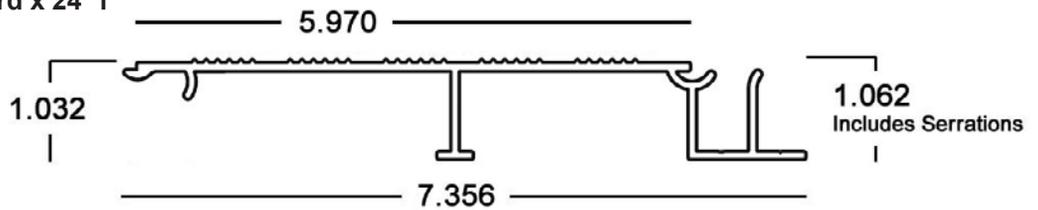
Three Piece Starting Board x 24' 1"

6063-T6 Mill Finish; Knurled
30-63-150 (NC)
 Mates with 30-63-145
 and 30-63-155



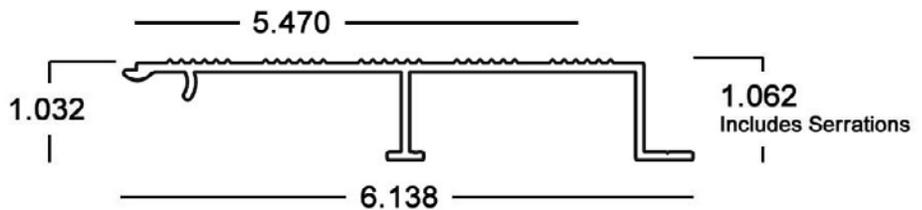
Three Piece Interlocking Board x 24' 1"

6063-T6 Mill Finish; Knurled
30-63-155 (NC)
 Self Mating;
 Mates with 30-63-145
 and 30-63-155



Three Piece Finishing Board x 24' 1"

6063-T6 Mill Finish; Knurled
30-63-145 (NC)
 (Mates with 30-63-150
 and 30-63-155)



Three Piece Interlocking Deck Boards

Properties & Span Limits

DESCRIPTION	PART #	MATERIAL	AREA	INERTIA	SECTION
STARTING BOARD	30-63-150	6063-T6	0.893 in ²	0.135 in ⁴	0.196 in ³
INTERLOCKING BOARD	30-63-155	6063-T6	0.870 in ²	0.112 in ⁴	0.148 in ³
FINISHING BOARD	30-63-145	6063-T6	0.697 in ²	0.076 in ⁴	0.094 in ³

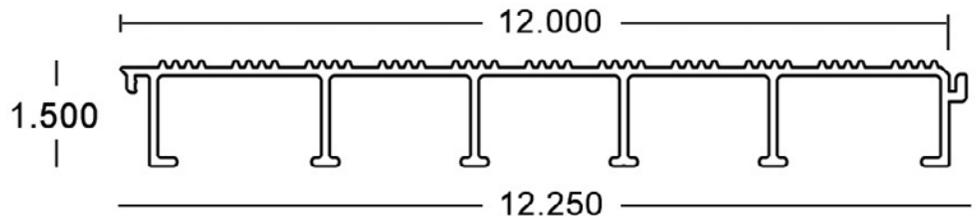
DEFLECTION LIMIT	MAXIMUM TOTAL LOAD ALLOWABLE (PSF)			
	JOISTS SUPPORT CLEAR SPAN C/C			
	2 ft	3 ft	4 ft	6 ft
L/180	304.0 psf	72.7 psf	28.4 psf	8.5 psf
L/240	304.0 psf	72.7 psf	28.4 psf	8.5 psf
L/360	304.0 psf	72.7 psf	28.4 psf	8.5 psf

12" Self Mating Deck x 24'

Meets all ADA Requirements

30-63-120

6063-T6 Mill Finish; Knurled
 Mates with 52-63-10441
 (14" Transition Ramp)

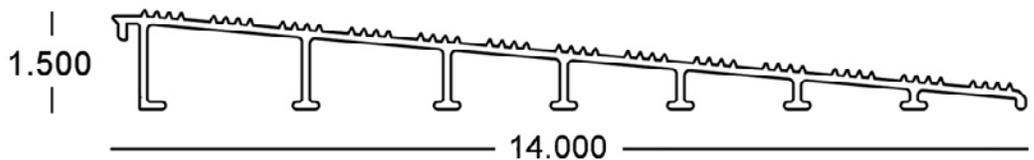


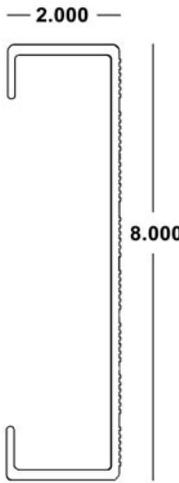
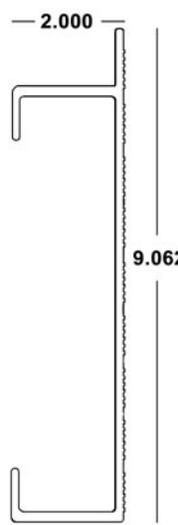
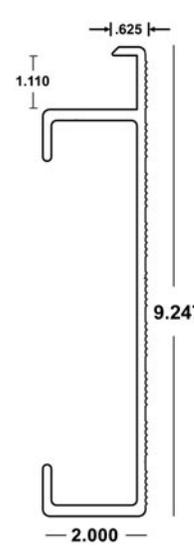
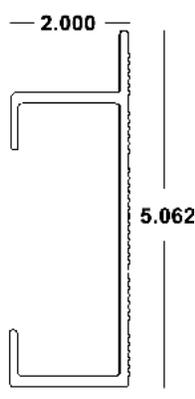
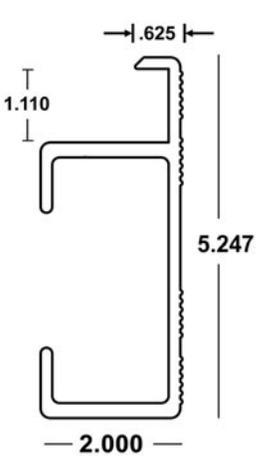
14" Transition Ramp x 12' 1"

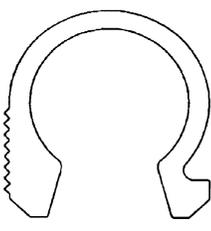
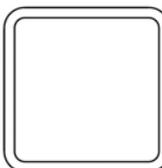
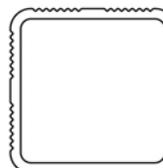
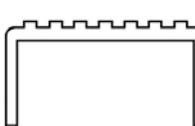
52-63-14510

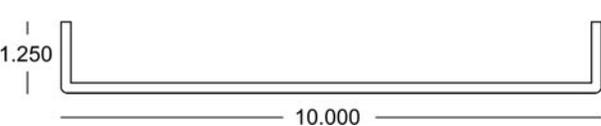
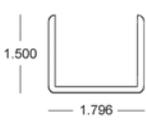
52-63-10441 x 8' CLOSEOUT

6063-T6 Mill Finish
 Mates with 30-63-120
 (12" Self Mating Deck)



<p>Dock Support Beam 6061-T6 Mill Finish 30-61-110 x 20' 30-61-113 (NC/DE) x 28' 30-61-111 x 25' 30-61-112 (NC/DE) x 32'</p> 	<p>Dock Support Beam with Lip 6061-T6 Mill Finish 30-61-108 x 28' 30-61-132 x 32'</p> 	<p>Dock Support Beam with Return 6061-T6 Mill Finish 30-61-133 x 28'</p> 	<p>Gangway Beam with Lip Mill Finish 30-61-115 x 20' 6005A-T61 30-61-118 (NC/DE) x 28' 6061-T6 30-61-128 x 28' 6005A T61</p> 	<p>Gangway Beam with Return 6061-T6 Mill Finish 30-61-131 (NC) x 20' 30-61-130 x 28'</p> 
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<p>Boat Dock Connector 6061-T6 Mill Finish 30-61-120 x 12' accepts 1-1/2" SCH 40 pipe</p> 	<p>Square Tube (Radius Corners) 6061-T6 Mill Finish 52-61-1768 (NC) 2 x 1/8 x 32' 19-61-534 (NC/MO) 2.7 x 1/8 x 20' <i>Mates with 19-61-535</i> 19-61-535 (NC/TX/MO/DE) 3" x 1/8" x 20' <i>Mates with 19-61-534</i></p> 	<p>Ribbed Square Tube (Radius Corners) 6005-T5 Mill Finish 30-05-200 (NC/DE) 2" x 1/8" x 32' 30-05-205 (NC/DE) 3" x 1/8" x 20'</p> 	<p>2 x 1 Ladder Rung x 20' 6005A-T61 Mill Finish 40-05-100 Additional Ladder Rung Also Available</p> 
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<p>10" Side Channel x 24' 6063-T6 Mill Finish 30-63-140 Wall: .188</p> 	<p>End Cap Channel x 24' 6063-T6 Mill Finish 30-63-135 Wall: .125</p> 	<p>Aluminum Rectangular Bar Grating <u>Special Order</u> Various Sizes Available Upon Request</p> 
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Grip Rail

Code	Description	Code	Description
GR-12	12" Polished & Anodized	GRM-12	12" Mill Finish
GR-14	14" Polished & Anodized	GRM-14	14" Mill Finish
GR-18	18" Polished & Anodized	GRM-18	18" Mill Finish
GR-24	24" Polished & Anodized	GRM-24	24" Mill Finish
GR-36	36" Polished & Anodized	GRM-36	36" Mill Finish



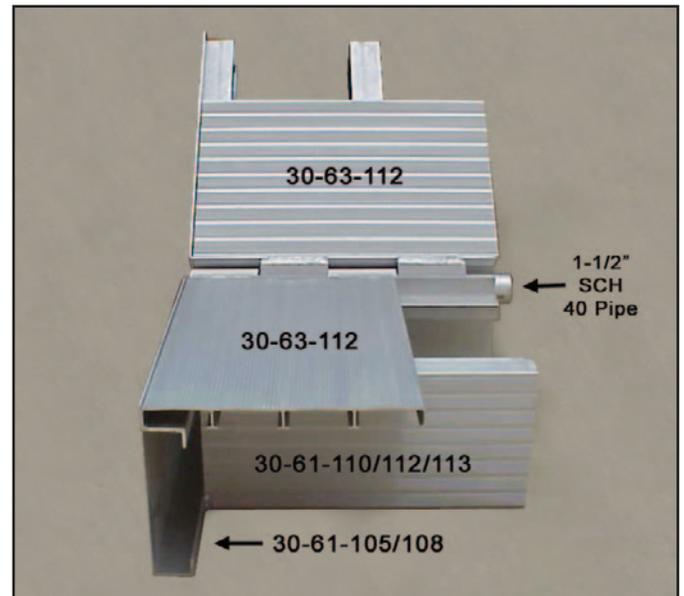
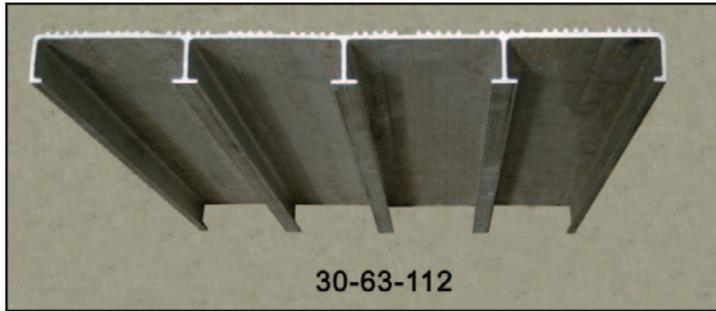
Grip Rails



Dock, Ramp and Gangway Systems Assembly

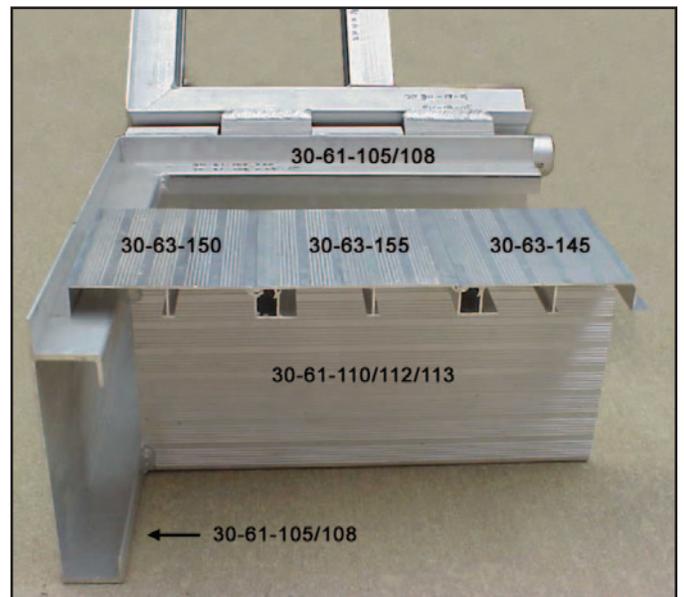
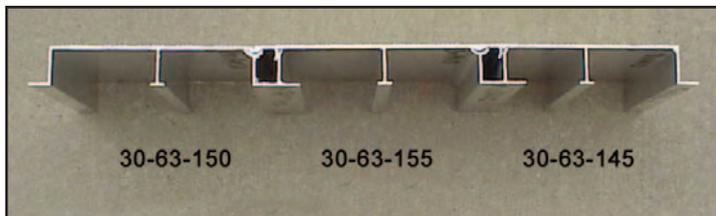
12" Dock Flooring

- 30-63-112: 12" Dock Flooring
- 30-61-110/112/113: Dock Support Beam
- 30-61-105/108: Dock Support Beam with Lip
- 18-63-235: 1-1/2" SCH 40 Pipe x 20'



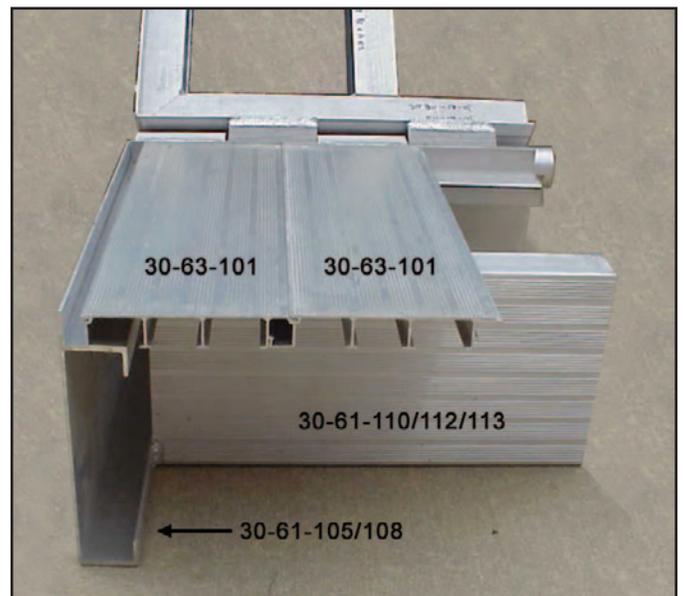
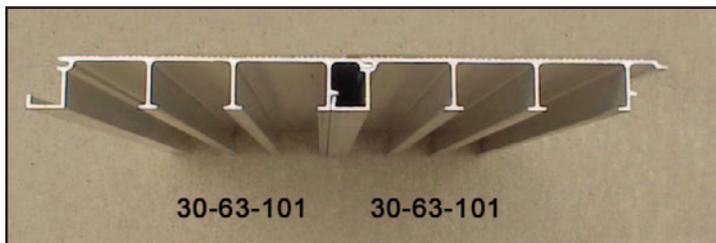
Three Piece Interlocking System

- 30-63-150: Three Piece Starting Board
- 30-63-155: Three Piece Interlocking Board
- 30-63-145: Three Piece Finishing Board
- 30-61-110/112/113: Dock Support Beam
- 30-61-105/108: Dock Support Beam with Lip



One Piece Self Mating System

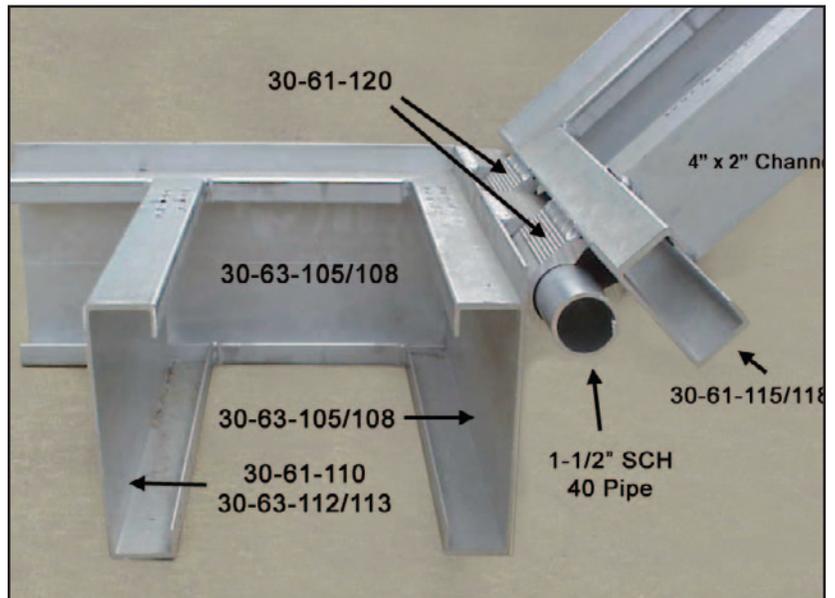
- 30-63-101: Dock Flooring (Self Mating)
- 30-61-110/112/113: Dock Support Beam
- 30-61-105/108: Dock Support Beam with Lip



Dock, Ramp and Gangway Systems Assembly

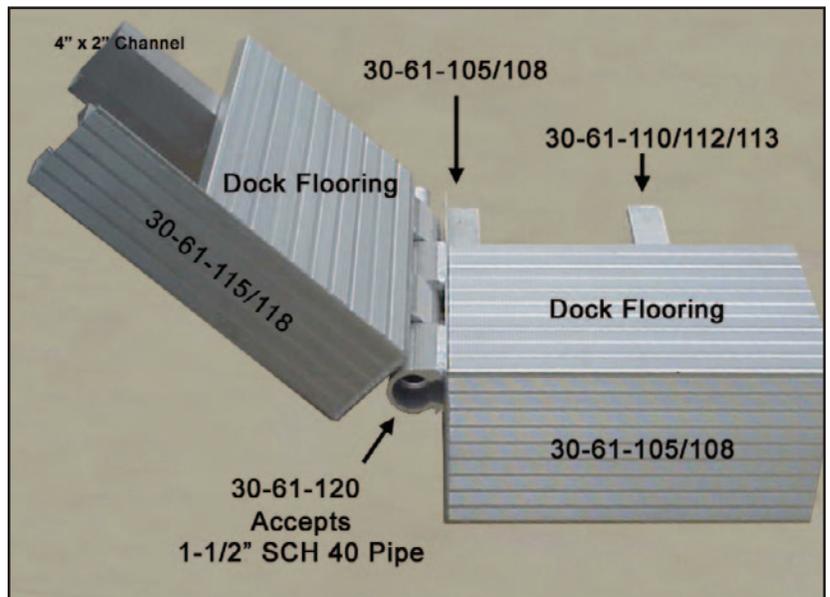
Dock Assembly (Inside View)

- 30-61-120: Boat Dock Connector
- 30-61-110/112/113: Dock Support Beam
- 30-61-105/108: Dock Support Beam with Lip
- 30-61-115/118: Gangway Beam with Lip
- 18-63-235: 1-1/2" SCH 40 Pipe x 20'
- 4" x 2" Structural Channel



Dock Assembly (Outside View)

- 30-61-120: Boat Dock Connector
- 30-61-110/112/113: Dock Support Beam
- 30-61-105/108: Dock Support Beam with Lip
- 30-61-115/118: Gangway Beam with Lip
- 18-63-235: 1-1/2" SCH 40 Pipe x 20'
- 4" x 2" Structural Channel



Dock Assembly (Hinge View)

- 30-61-120: Boat Dock Connector
- 30-61-110/112/113: Dock Support Beam
- 30-61-105/108: Dock Support Beam with Lip
- 30-61-115/118: Gangway Beam with Lip
- 18-63-235: 1-1/2" SCH 40 Pipe x 20'
- 4" x 2" Structural Channel

