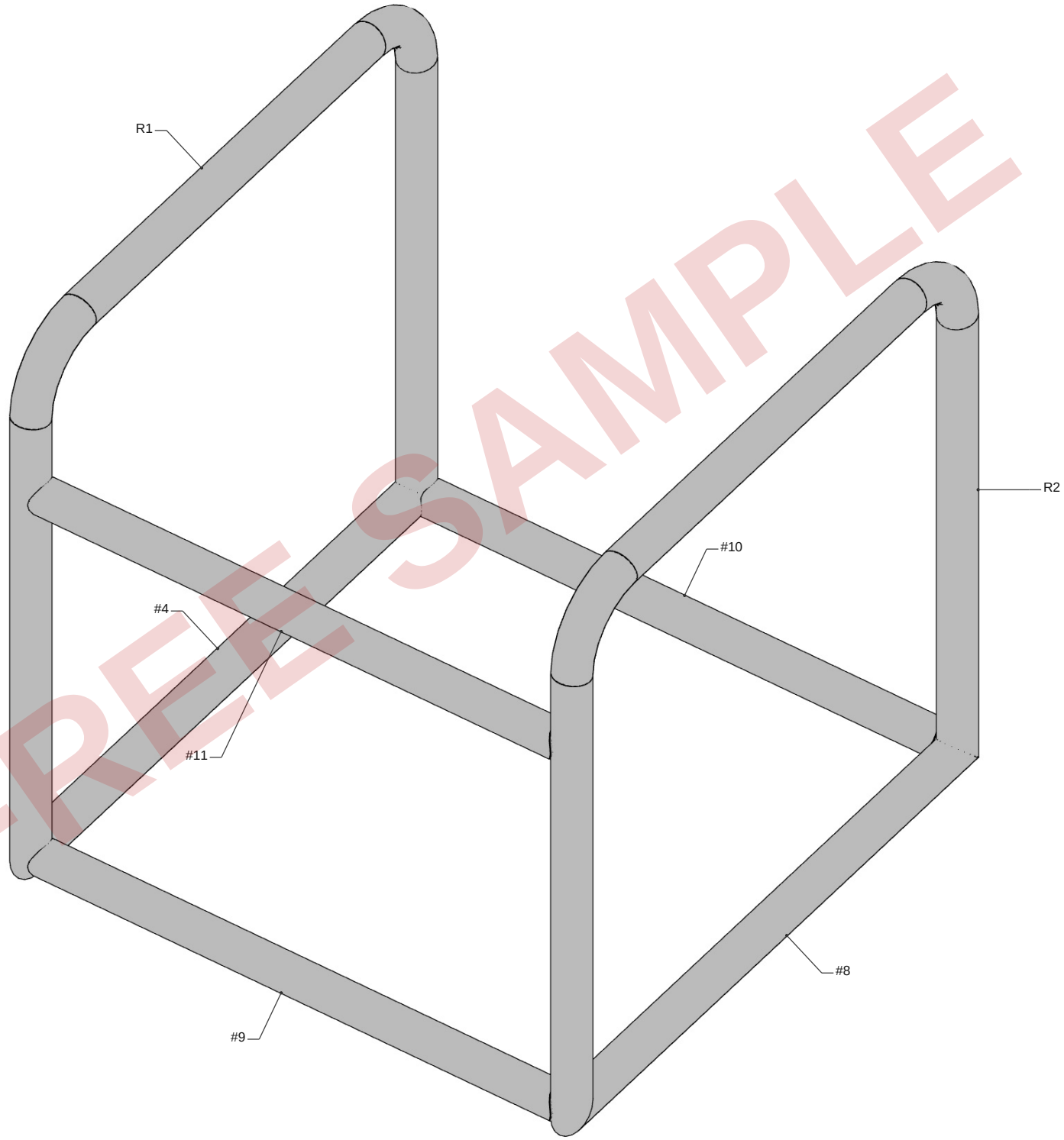
Build Packet

Pieces 7 | Generated 10/21/2026



FREE SAMPLE

FAB TOOLKIT

Cut List

List of cut pieces used to build the assembly.

Raw Materials Required

Material	Size	Sticks	Est. Weight	Est. Cost
Mild Steel	1.5" OD × 0.12" wall	5 × 6 ft	53.06 lb	**$150.69**
		TOTAL	**53.06 lb**	**$150.69**

Cut List

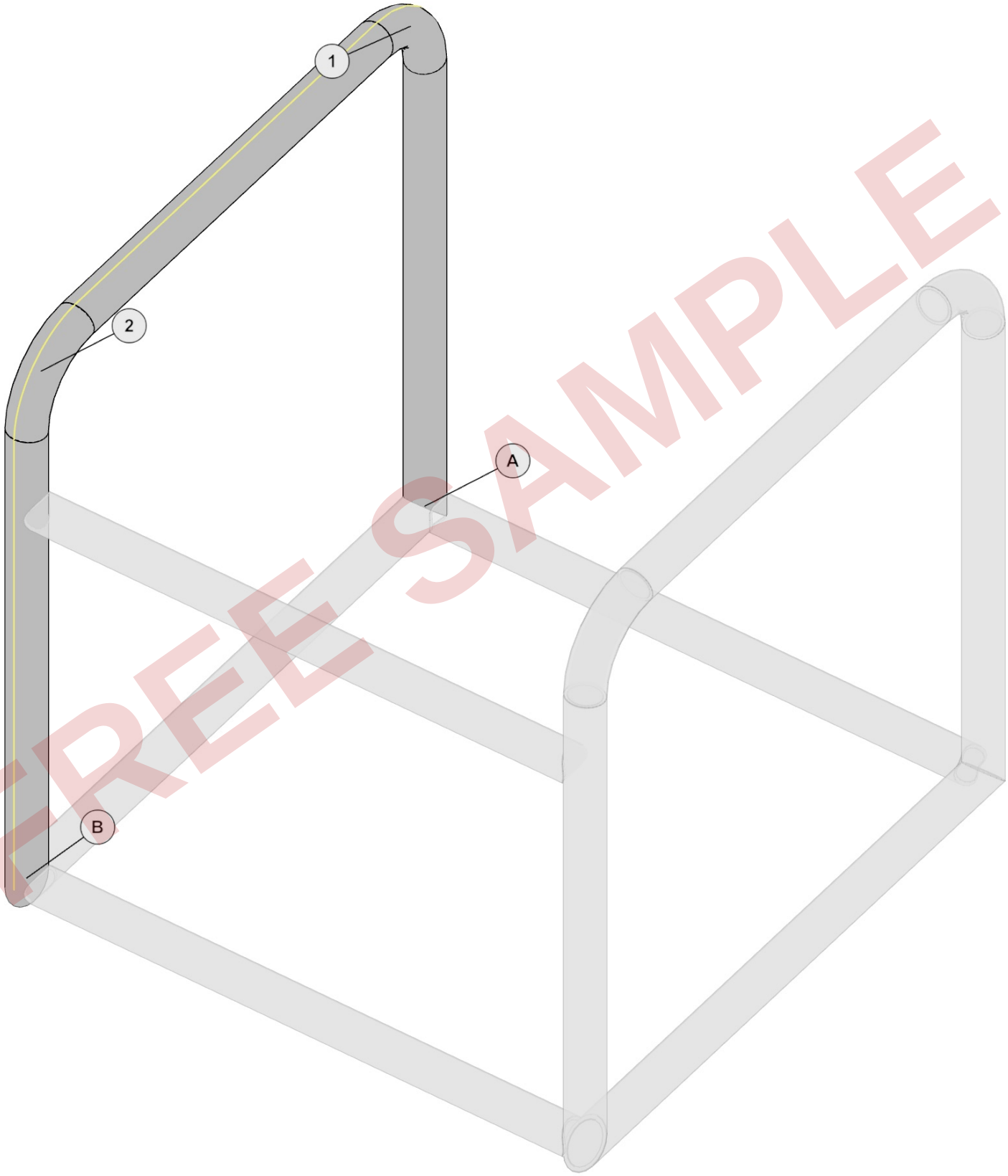
Piece	QTY	Type	Material	Profile	Size	Cut Length
R1, R2	**2**	Bend Run	mild-steel	Round	OD 1.50" x Wall 0.12"	**69.60" (69-5/8")**
#9, #10, #11	**3**	Straight	mild-steel	Round	OD 1.50" x Wall 0.12"	**24.00" (24")**
#4, #8	**2**	Straight	mild-steel	Round	OD 1.50" x Wall 0.12"	**25.50" (25-1/2")**

FREE SAMPLE

FAB TOOLKIT

Run - R1

OD 1.50" | Wall 0.12" | Length 69.59"



FREE SAMPLE

FAB TOOLKIT

Run R1

Bend Report

Tube Specifications

Generated: 10/21/2026

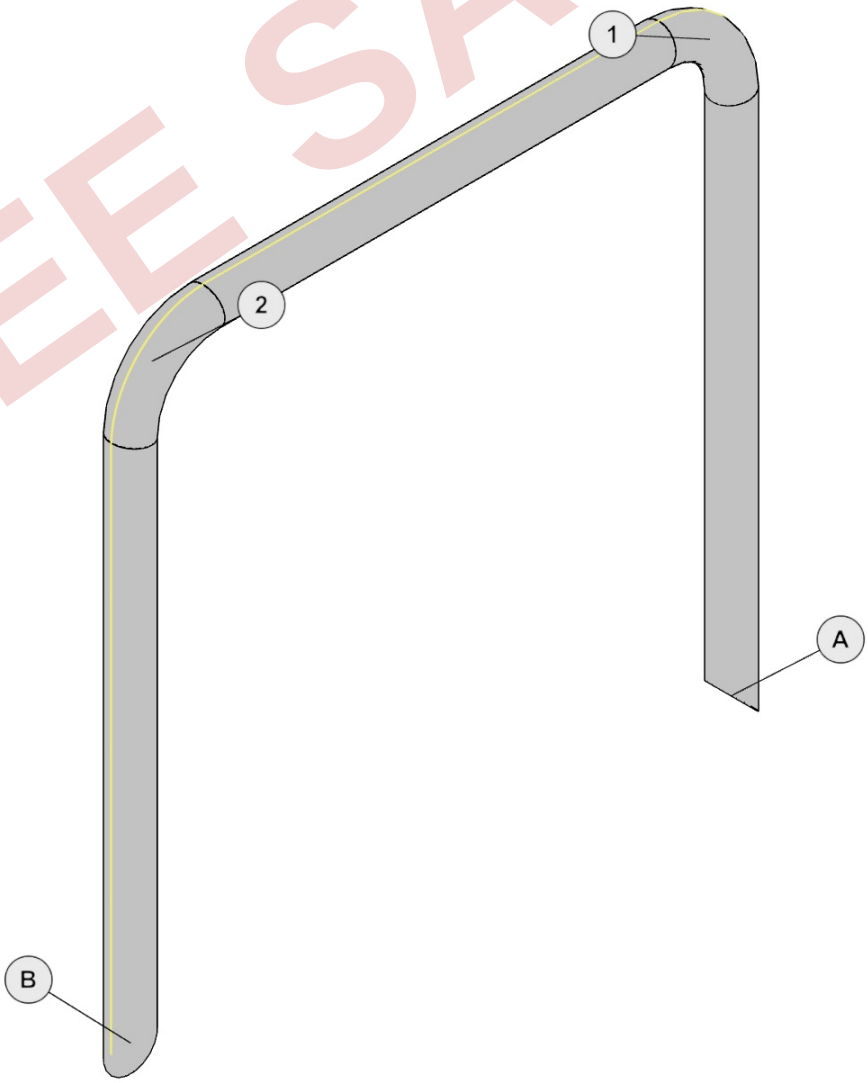
Profile: Round Tube
Material: mild-steel
Size: OD 1.50" x Wall 0.12"
Developed Length: 69.6"

Bend Schedule

#	Start Position	Center of Bend	End Location	Axial Rotation*	Bend Angle	Springback	CLR
1	21.0"	23.4"	25.8"	0.0°	90.0°	3.0°	3.0"
2	43.8"	46.2"	48.6"	0.0°	90.0°	3.0°	3.0"

**Axial Rotation is calculated based on the first bend (1) at zero degrees.*
It is recommended to use a seam or draw a line along the length to use as the zero degree mark.
All subsequent bends are based on that rotation.

FREE SAMPLE



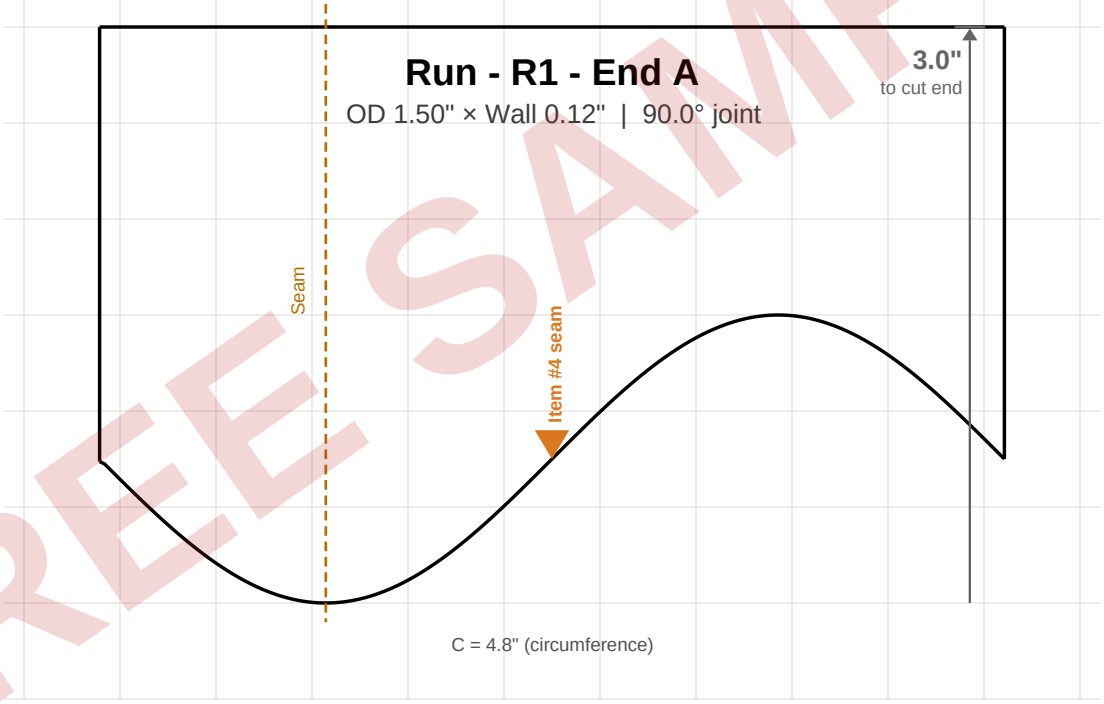
FAB TOOLKIT

Print Template

4.000"

CALIBRATION

HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark miter line and cut.



FREE SAMPLE

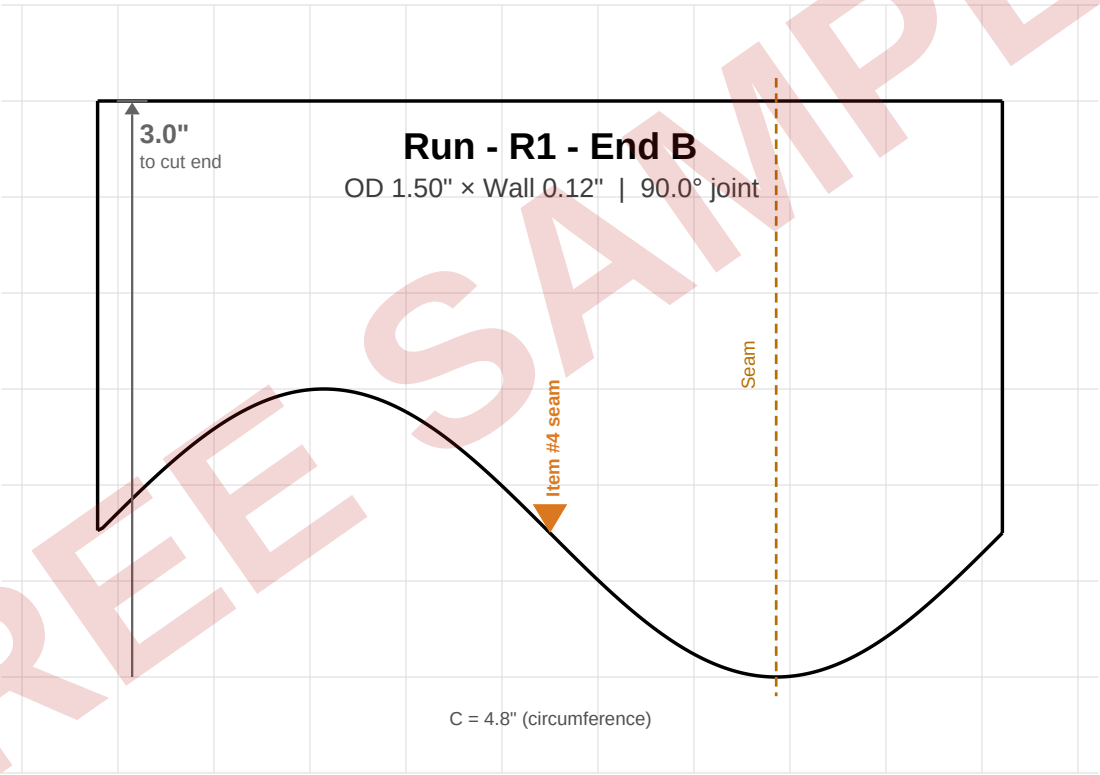
FAB TOOLKIT

Print Template

4.000"

CALIBRATION

HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark miter line and cut.

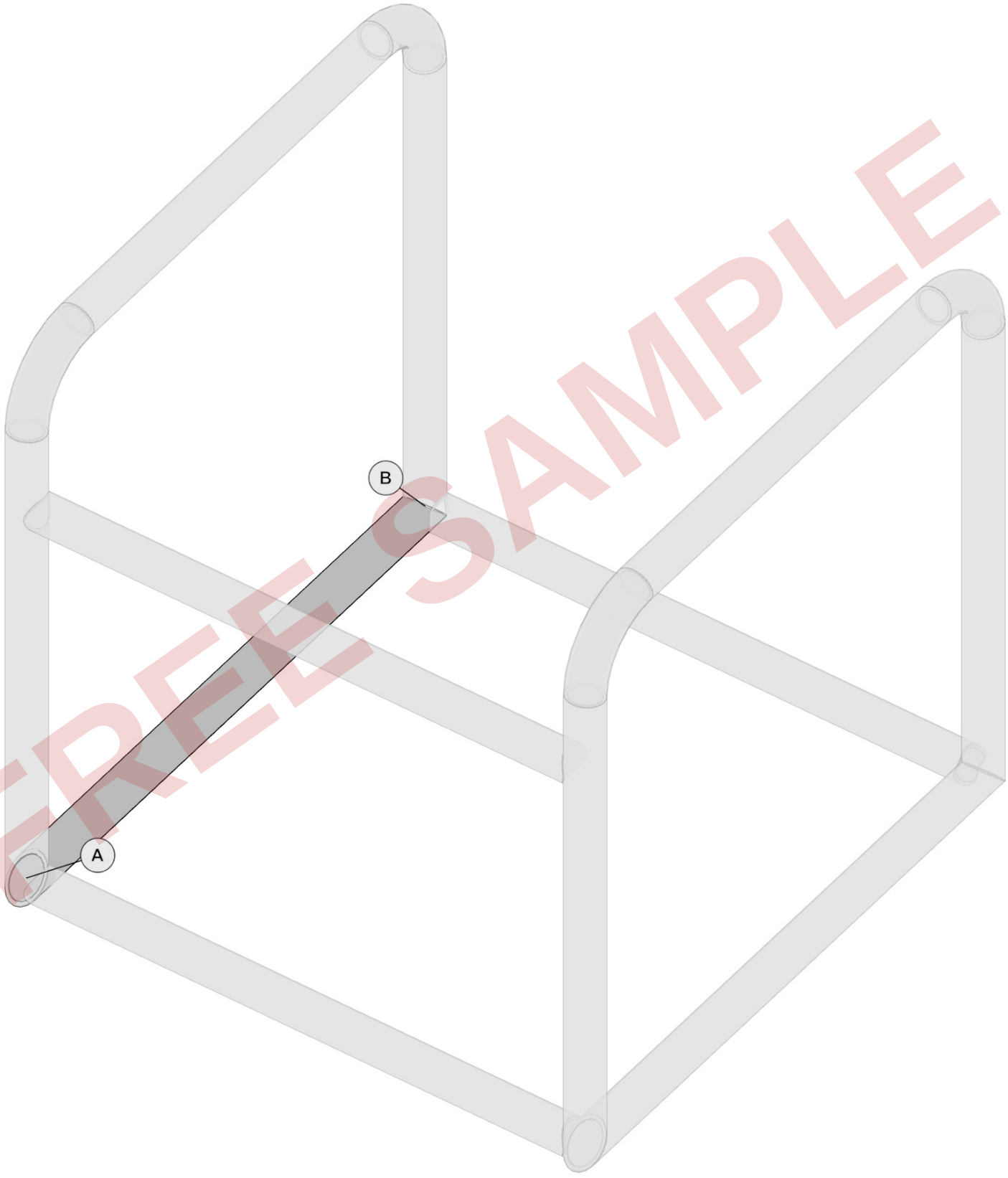


FREE SAMPLE

FAB TOOLKIT

Item #4

OD 1.50" | Wall 0.12" | Length 25.50"



FREE SAMPLE

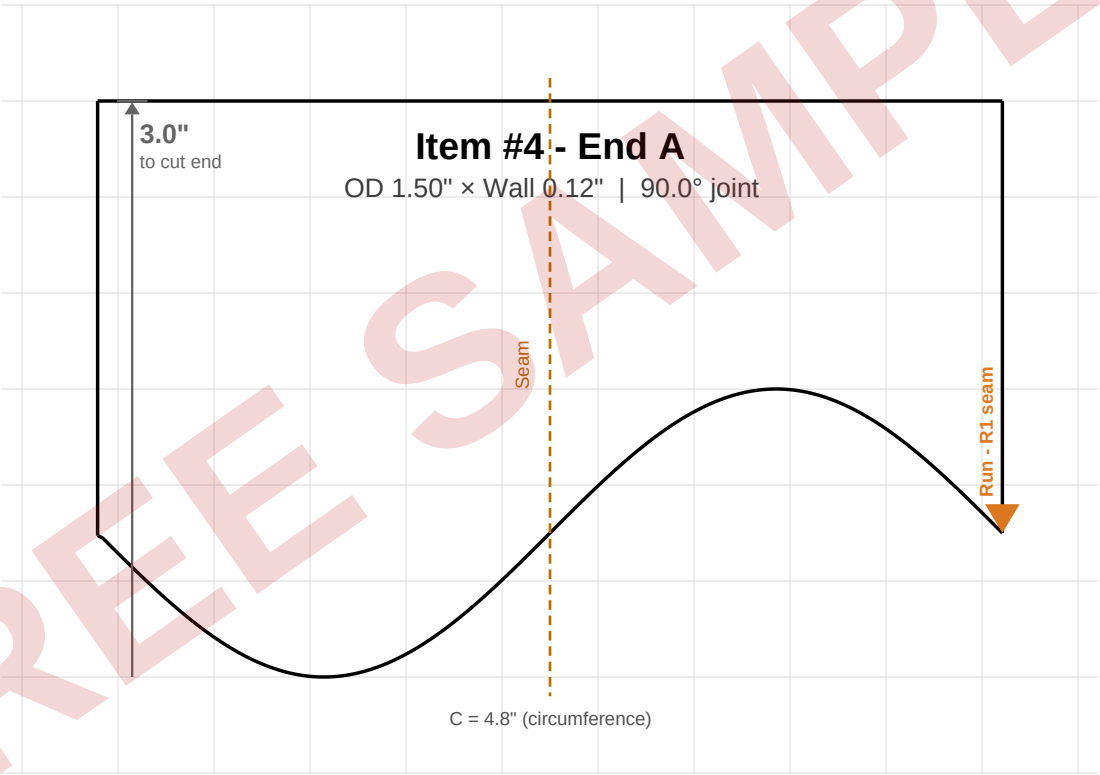
FAB TOOLKIT

Print Template

4.000"

CALIBRATION

HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark miter line and cut.



FREE SAMPLE

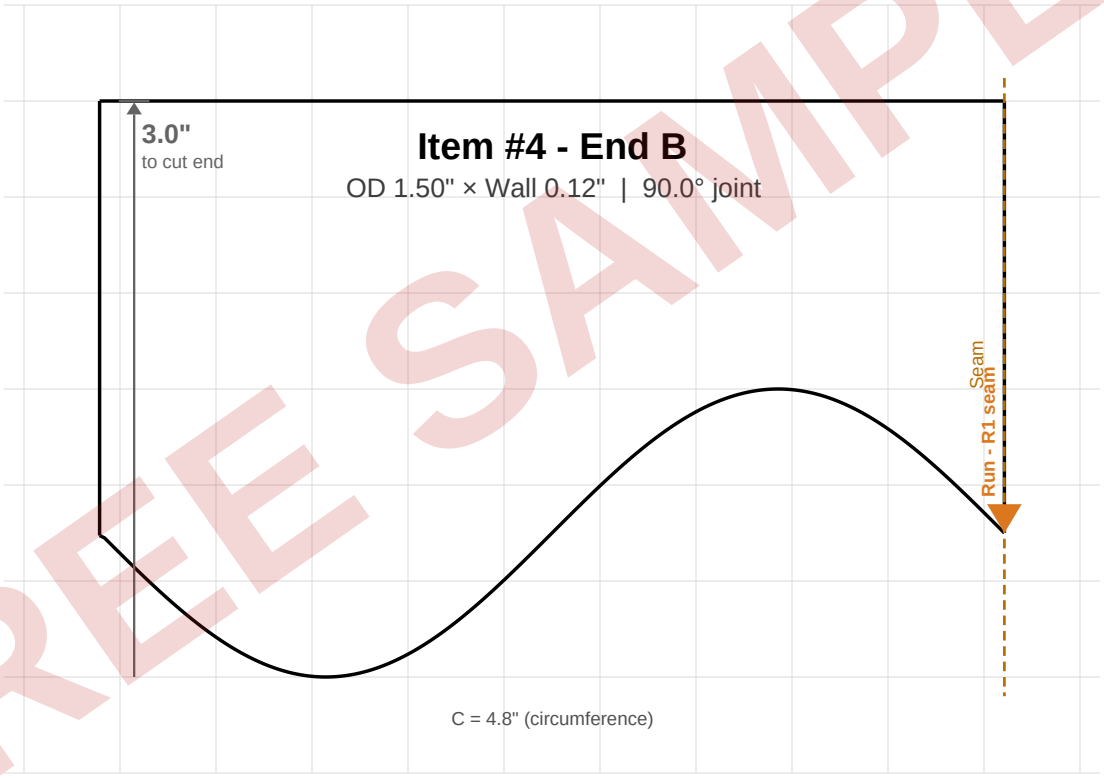
FAB TOOLKIT

Print Template

4.000"

CALIBRATION

HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark miter line and cut.

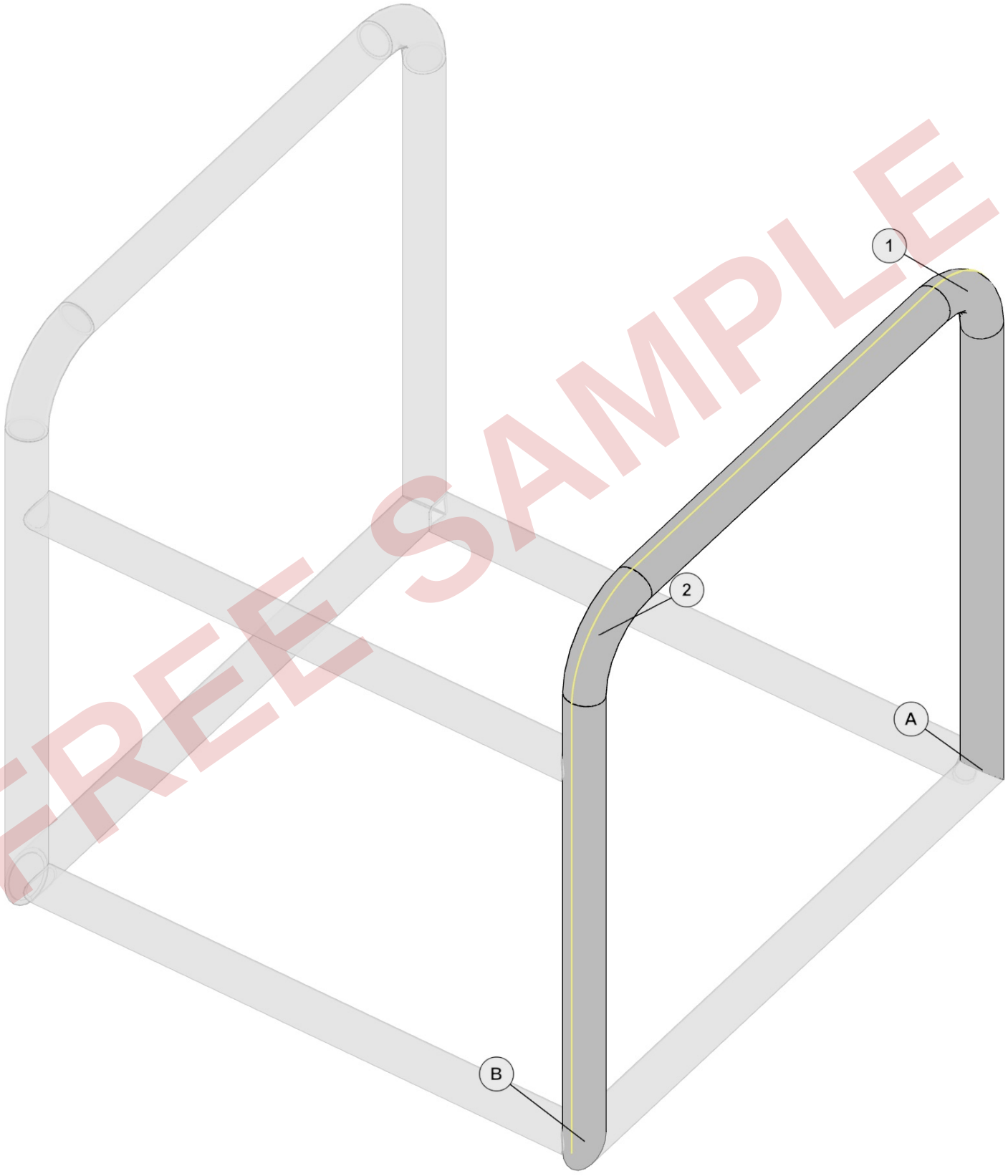


FREE SAMPLE

FAB TOOLKIT

Run - R2

OD 1.50" | Wall 0.12" | Length 69.59"



FREE SAMPLE

FAB TOOLKIT

Run R2

Bend Report

Tube Specifications

Generated: 10/21/2026

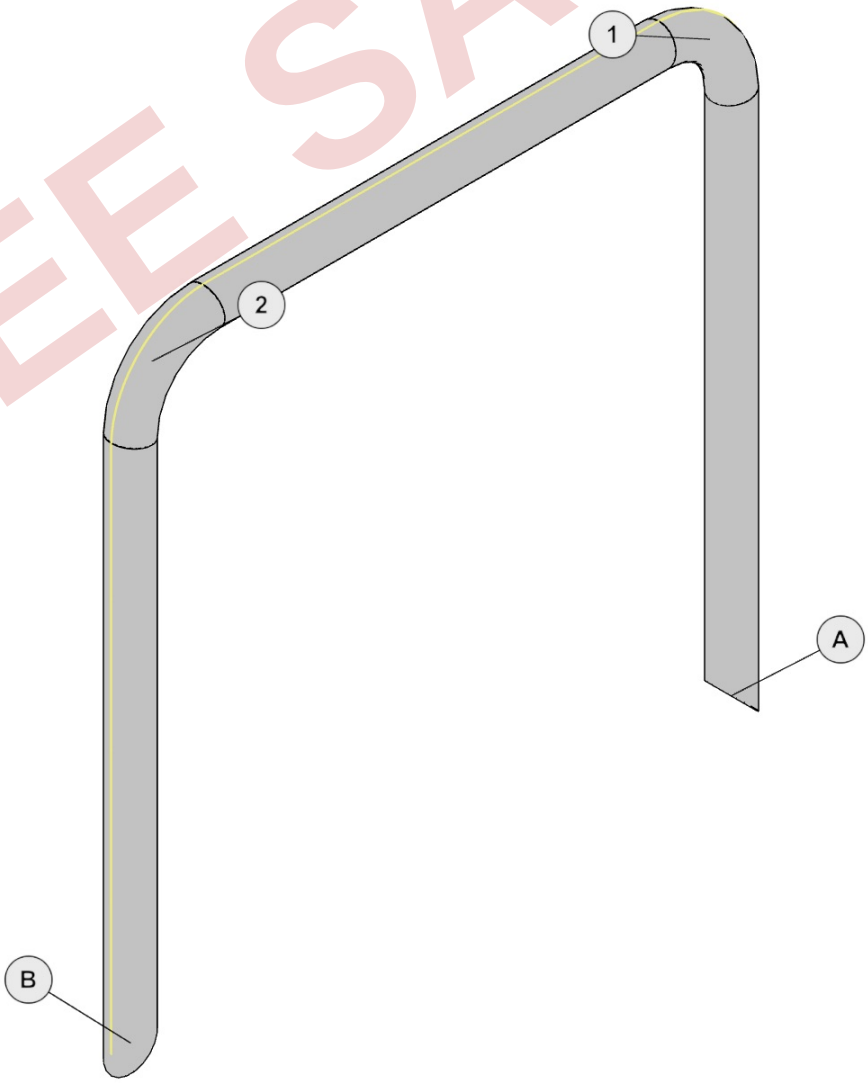
Profile: Round Tube
Material: mild-steel
Size: OD 1.50" x Wall 0.12"
Developed Length: 69.6"

Bend Schedule

#	Start Position	Center of Bend	End Location	Axial Rotation*	Bend Angle	Springback	CLR
1	21.0"	23.4"	25.8"	0.0°	90.0°	3.0°	3.0"
2	43.8"	46.2"	48.6"	0.0°	90.0°	3.0°	3.0"

**Axial Rotation is calculated based on the first bend (1) at zero degrees.*
It is recommended to use a seam or draw a line along the length to use as the zero degree mark.
All subsequent bends are based on that rotation.

FREE SAMPLE



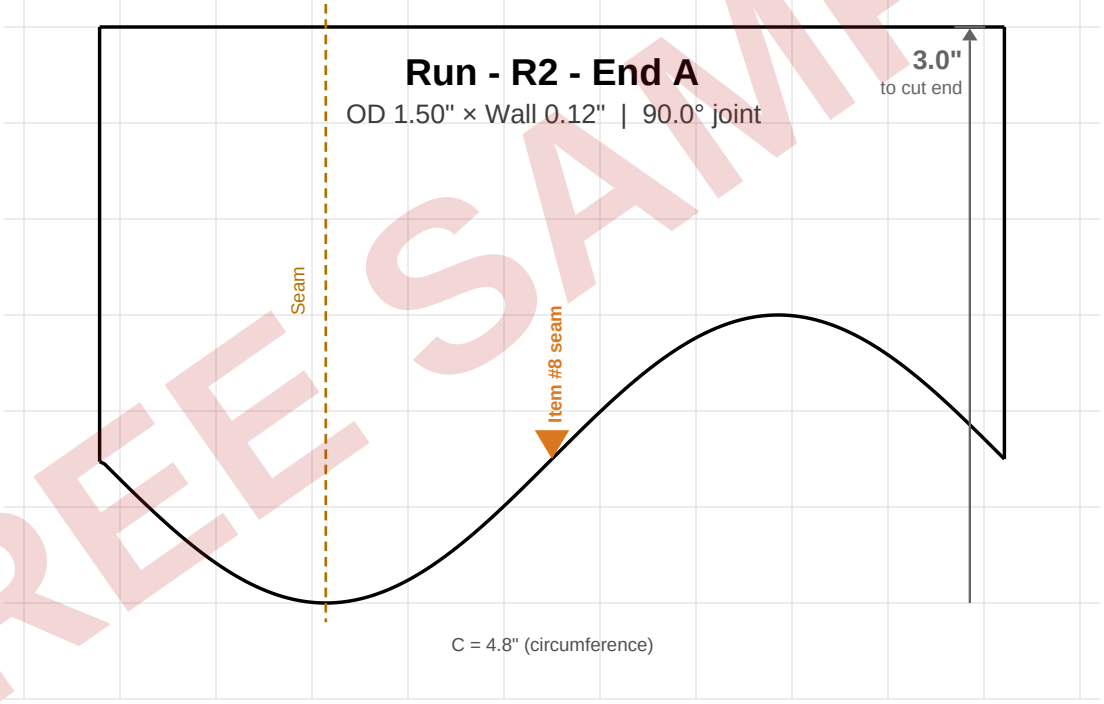
FAB TOOLKIT

Print Template

4.000"

CALIBRATION

HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark miter line and cut.



FREE SAMPLE

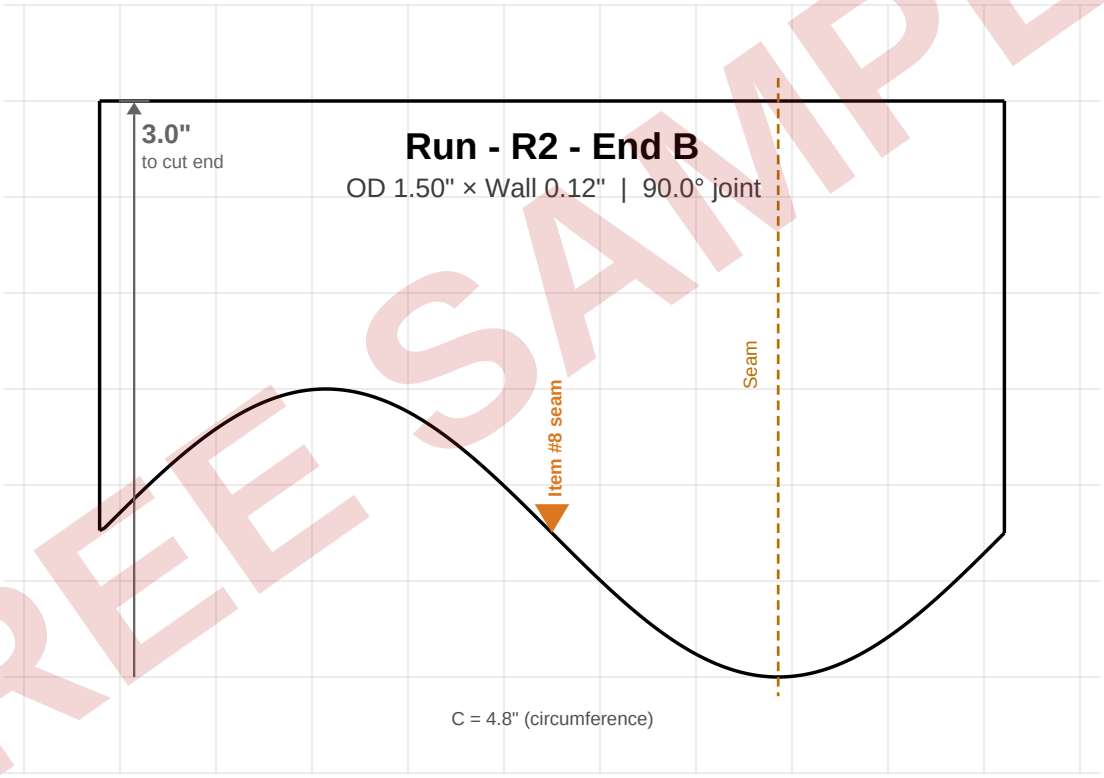
FAB TOOLKIT

Print Template

4.000"

CALIBRATION

HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark miter line and cut.

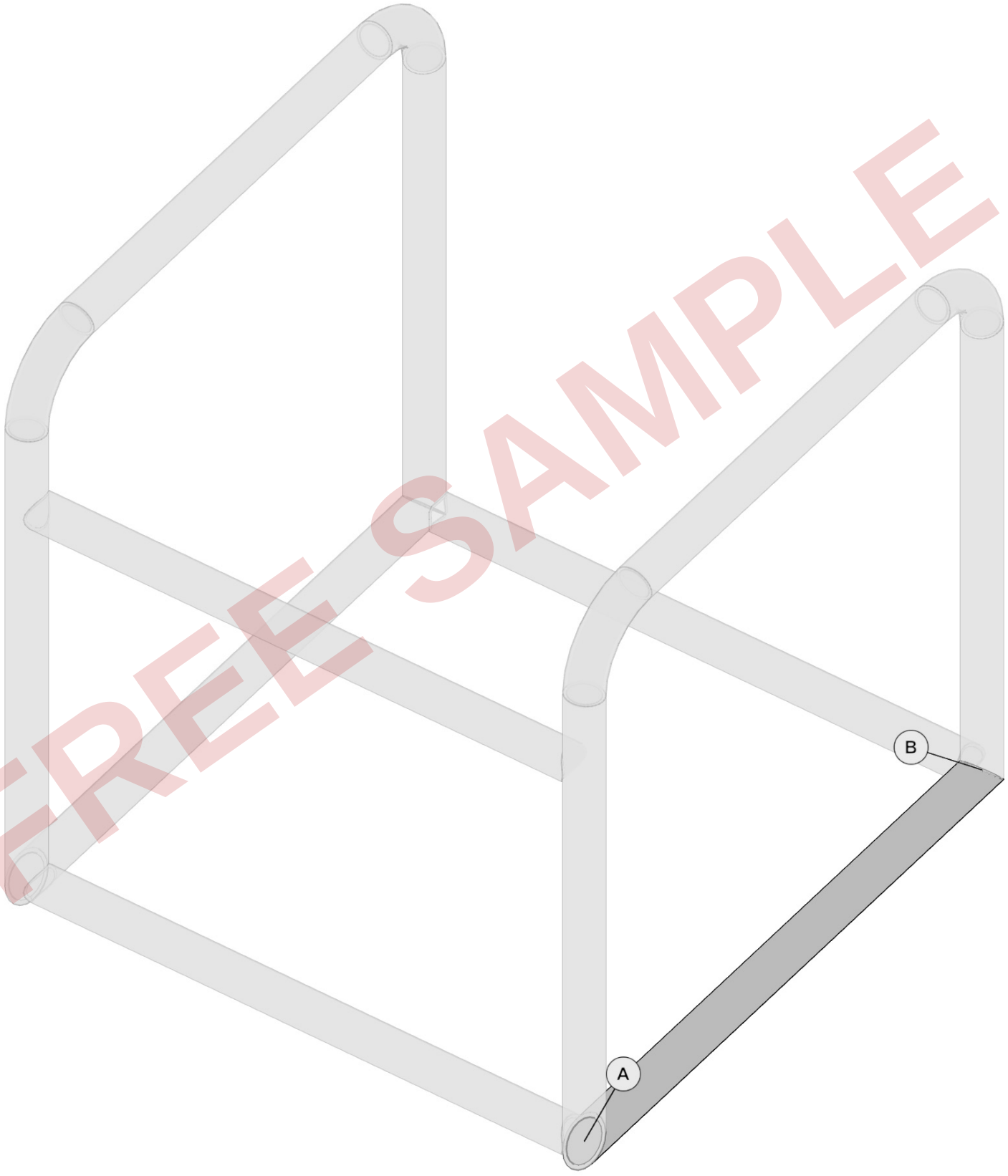


FREE SAMPLE

FAB TOOLKIT

Item #8

OD 1.50" | Wall 0.12" | Length 25.50"



FREE SAMPLE

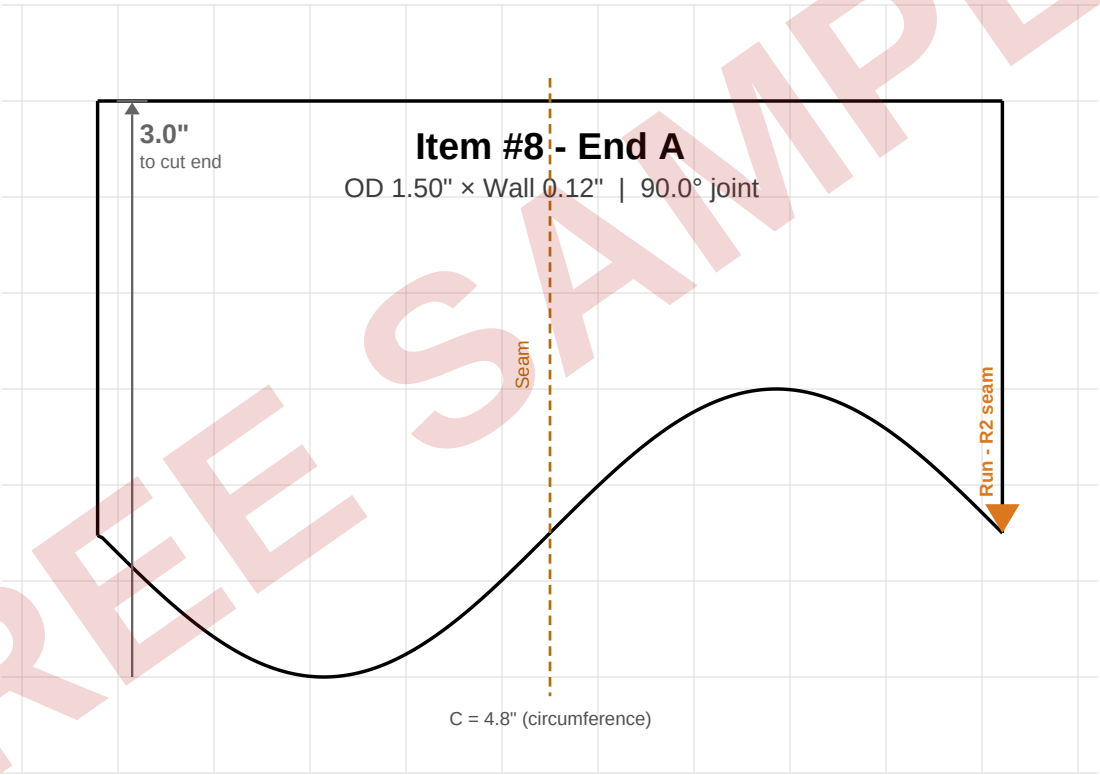
FAB TOOLKIT

Print Template

4.000"

CALIBRATION

HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark miter line and cut.



FREE SAMPLE

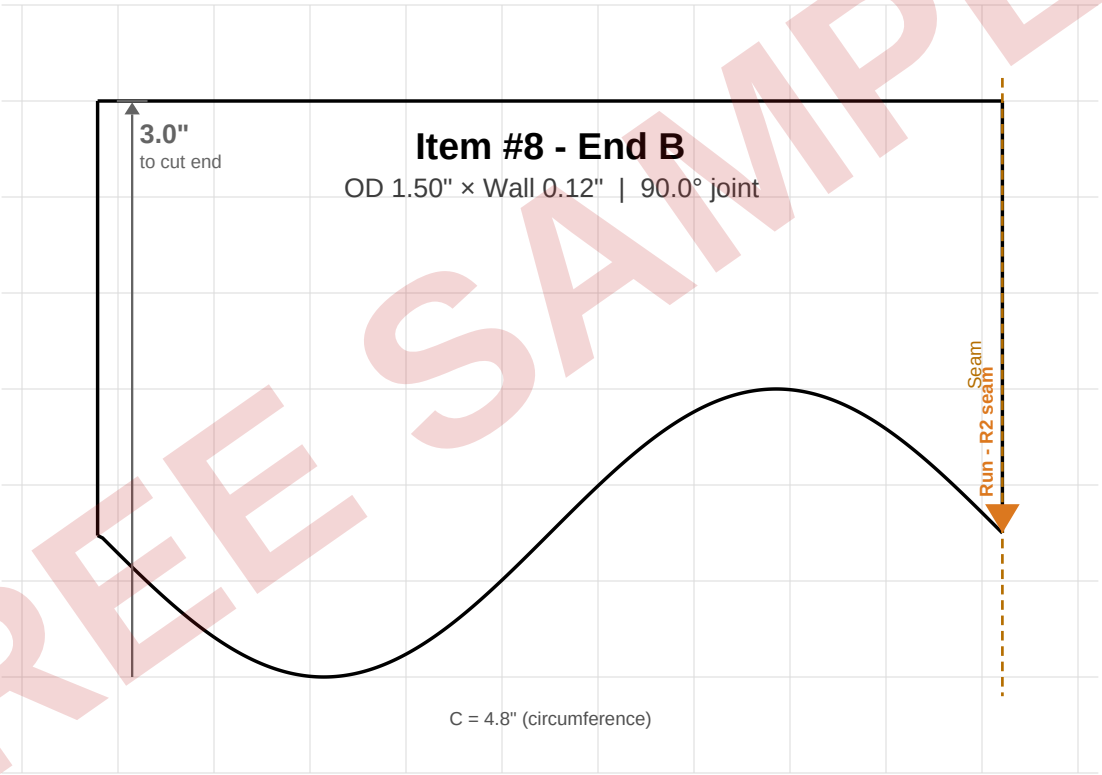
FAB TOOLKIT

Print Template



HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark miter line and cut.

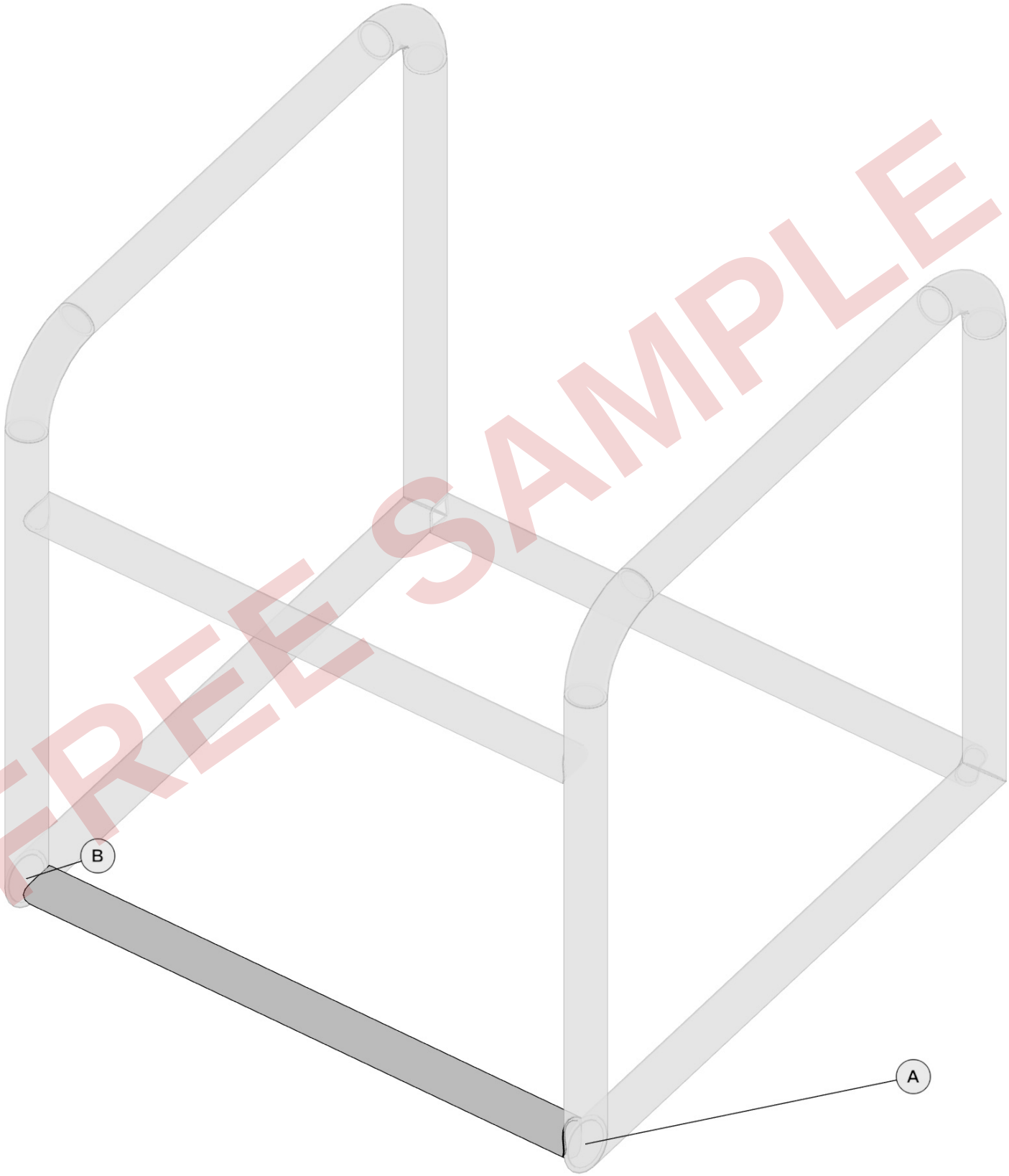
FREE SAMPLE



FAB TOOLKIT

Item #9

OD 1.50" | Wall 0.12" | Length 24.00"



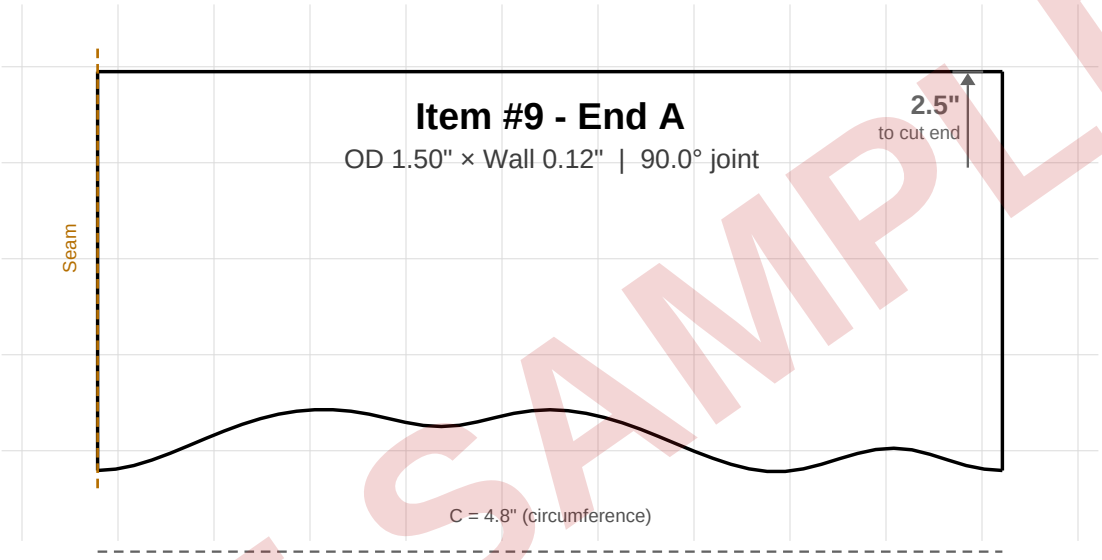
FREE SAMPLE

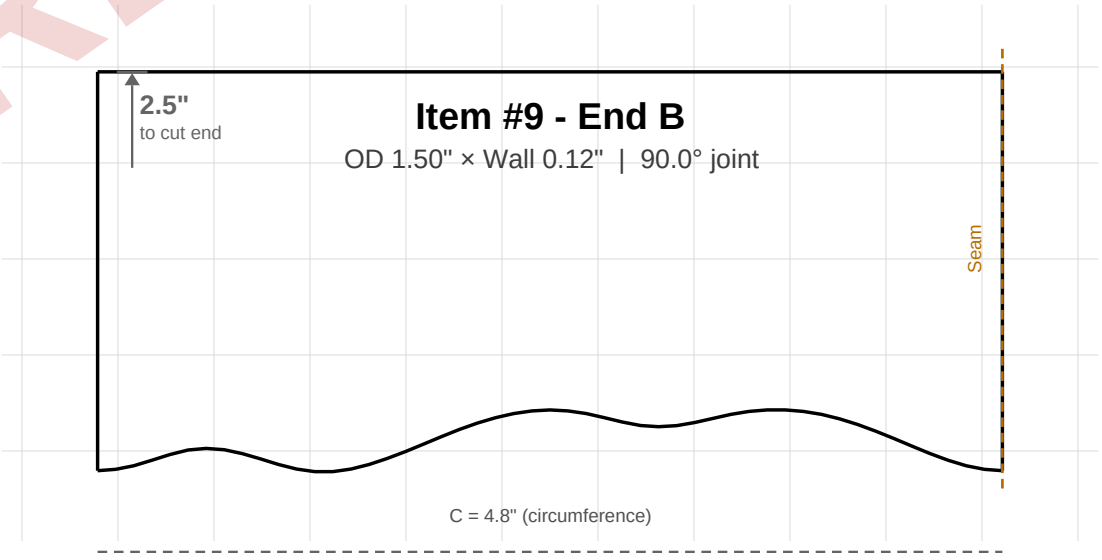
FAB TOOLKIT

Print Template



HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark the cut profile and cut.



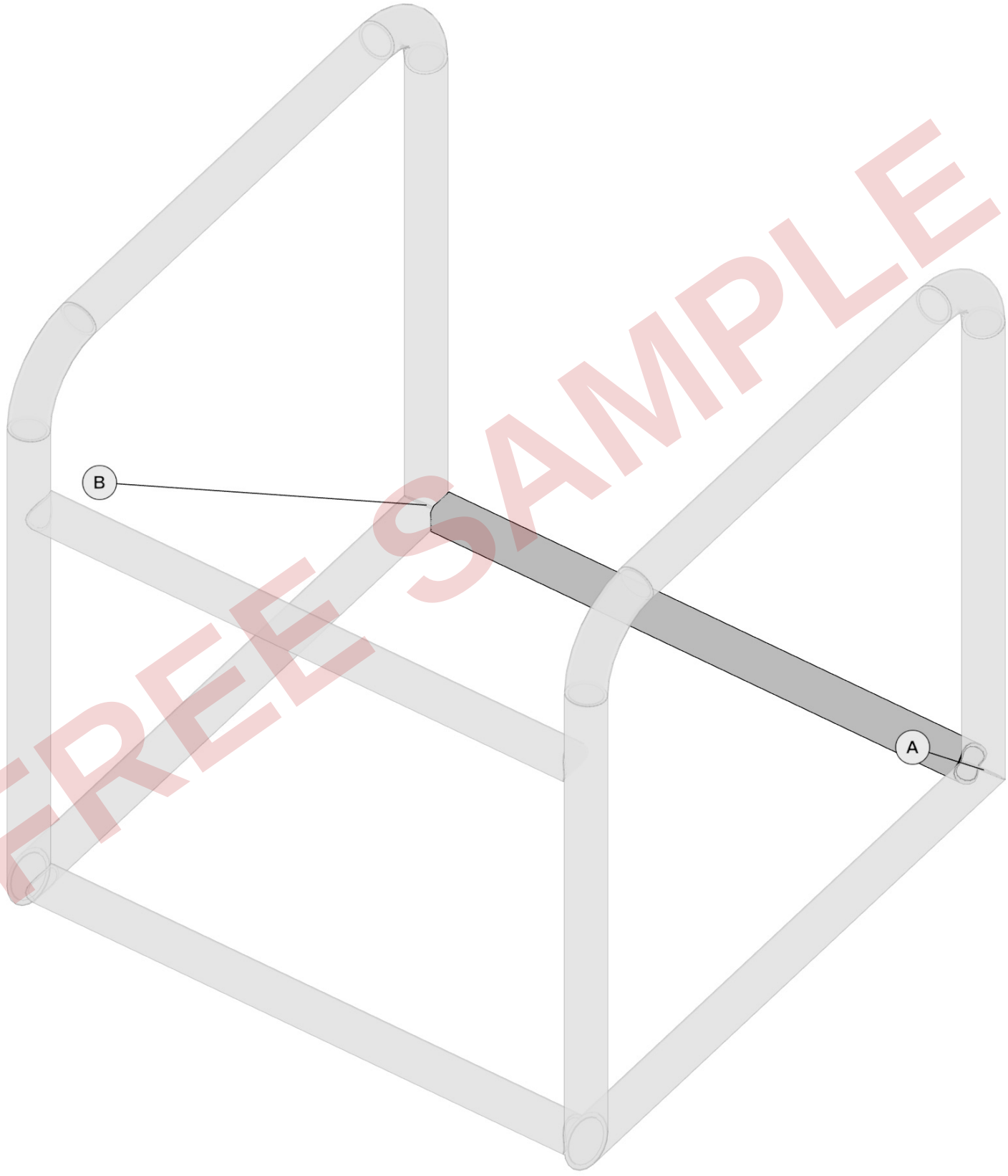


FREE SAMPLE

FAB TOOLKIT

Item #10

OD 1.50" | Wall 0.12" | Length 24.00"



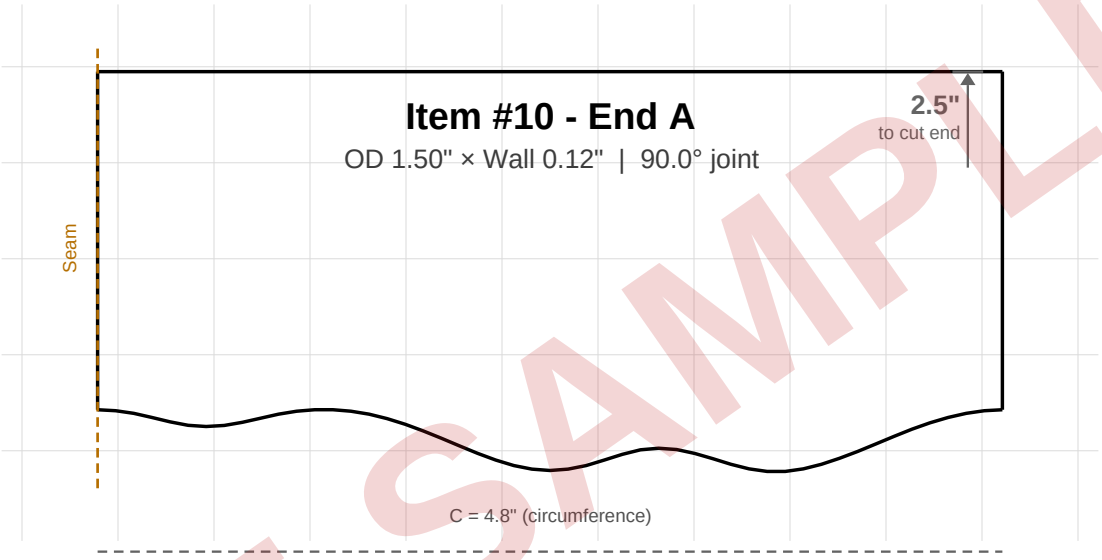
FREE SAMPLE

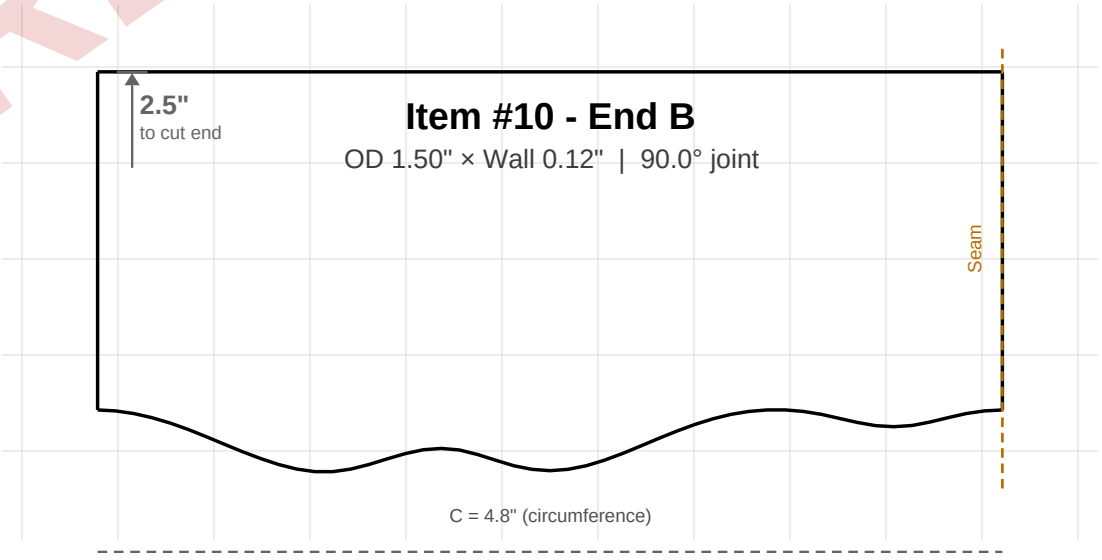
FAB TOOLKIT

Print Template



HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark the cut profile and cut.



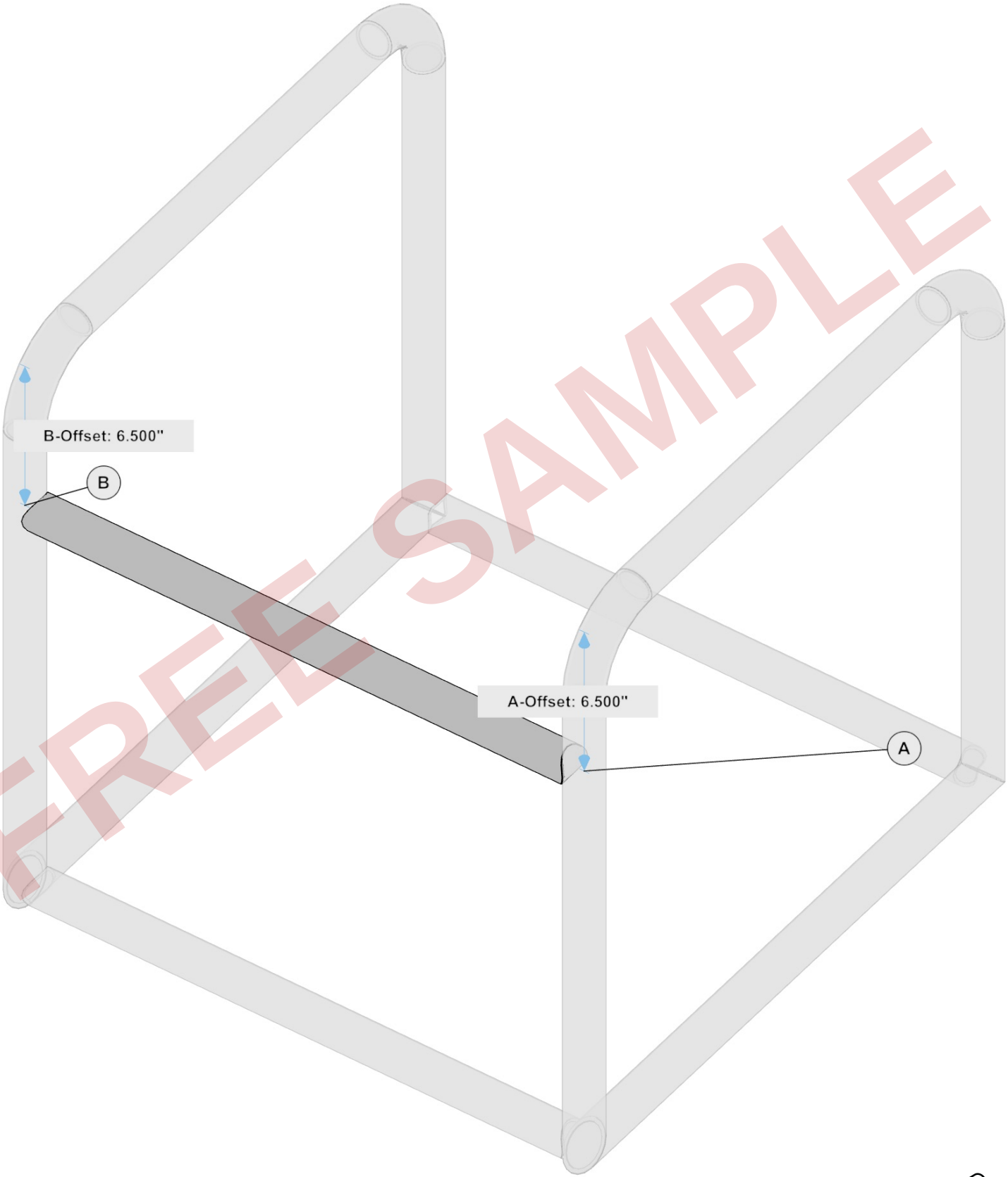


FREE SAMPLE

FAB TOOLKIT

Item #11

OD 1.50" | Wall 0.12" | Length 24.00"



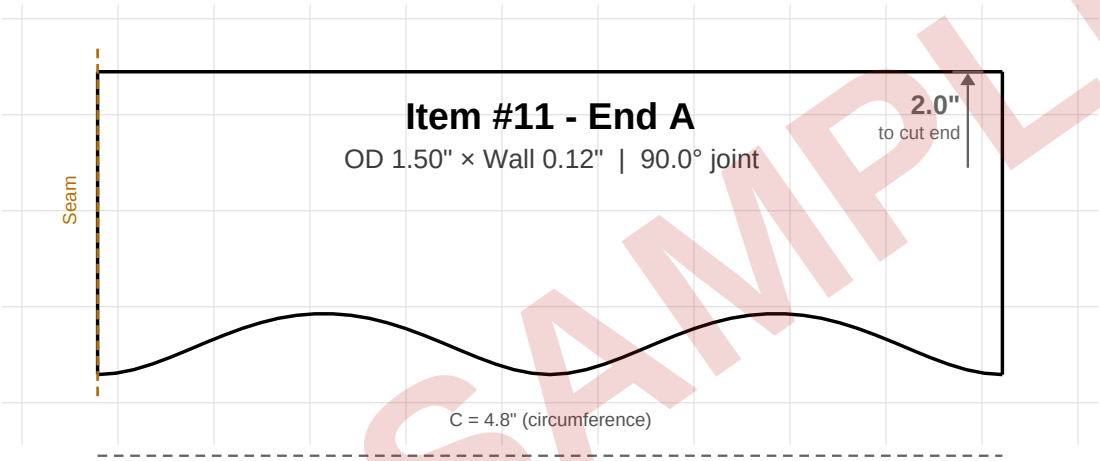
FREE SAMPLE

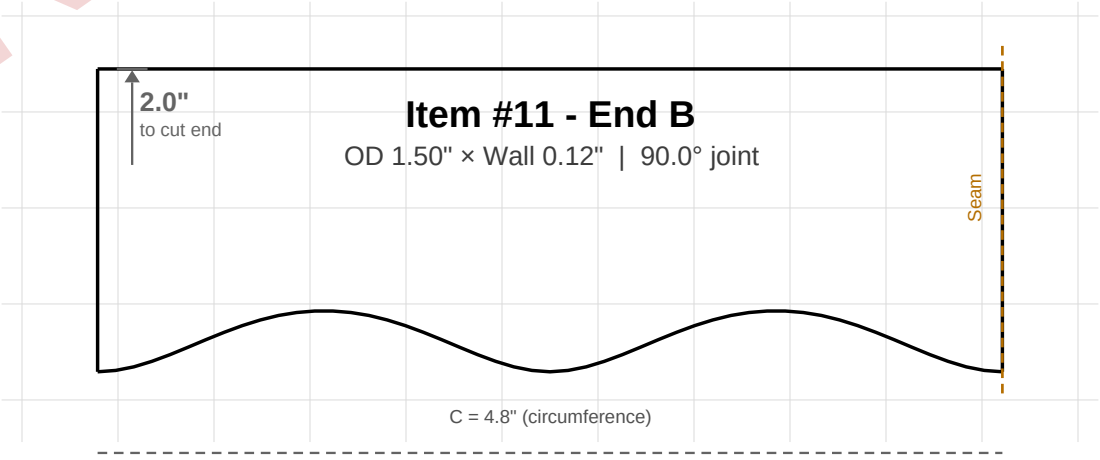
FAB TOOLKIT

Print Template



HOW TO USE THIS TEMPLATE:
1. Print at 100% (no page scaling). 2. Verify 4" calibration line. 3. Cut out template.
4. Wrap around pipe (align seam). 5. Mark the cut profile and cut.





FREE SAMPLE

FAB TOOLKIT