Pearling Machine Plans

Chamber Cladding Assembly

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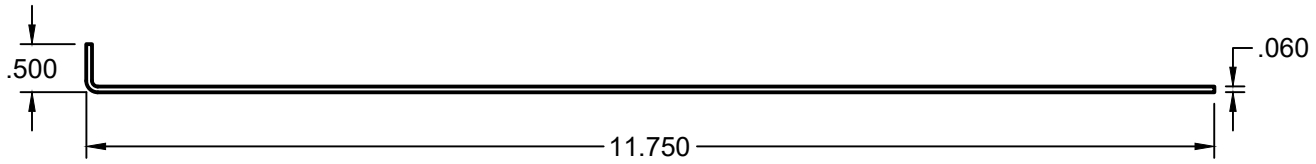
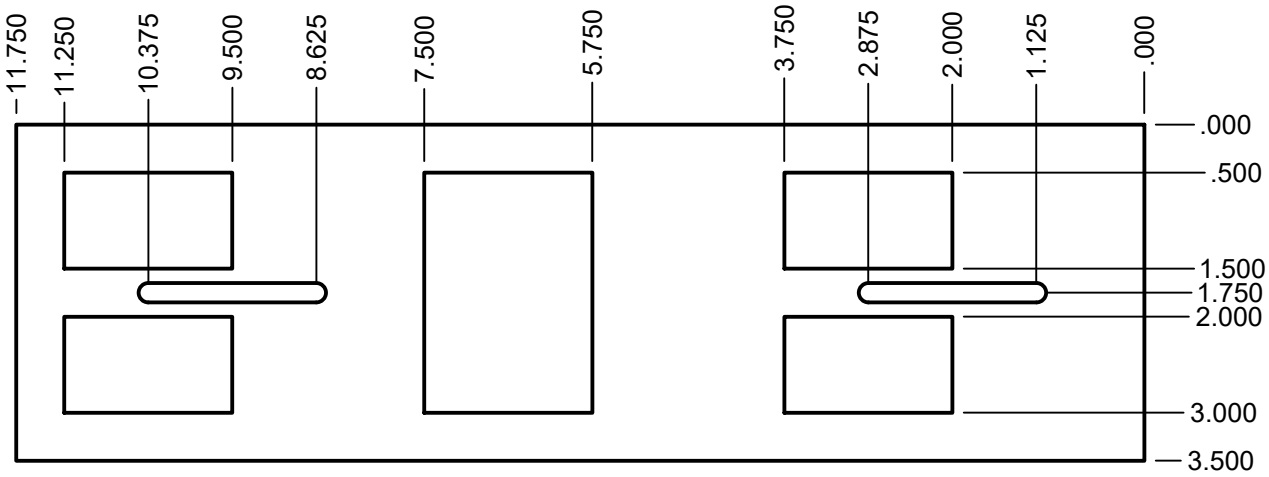
Project details found at https://projects.sare.org/sare_project/fne19-945/

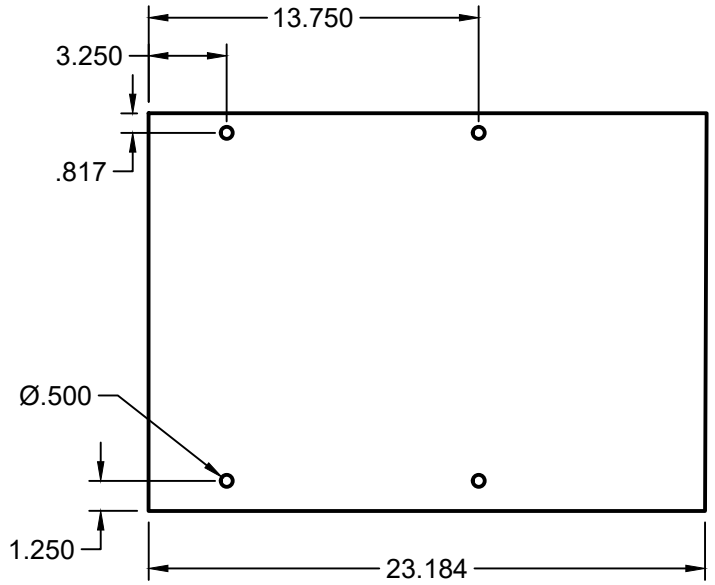
Material:	Number Required:	Process Notes:
304 Stainless 16ga	1	

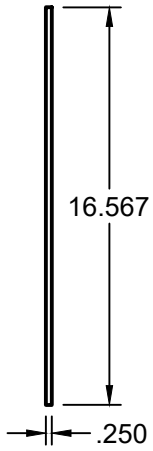




Revision Record	Date		Tolerances	Date:	Part Number:
			(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	9/20/2022	CC7
				Scale: 1:2	Title: Air Gate
				Drawn By: NIT	Project Name: Pearling Machine

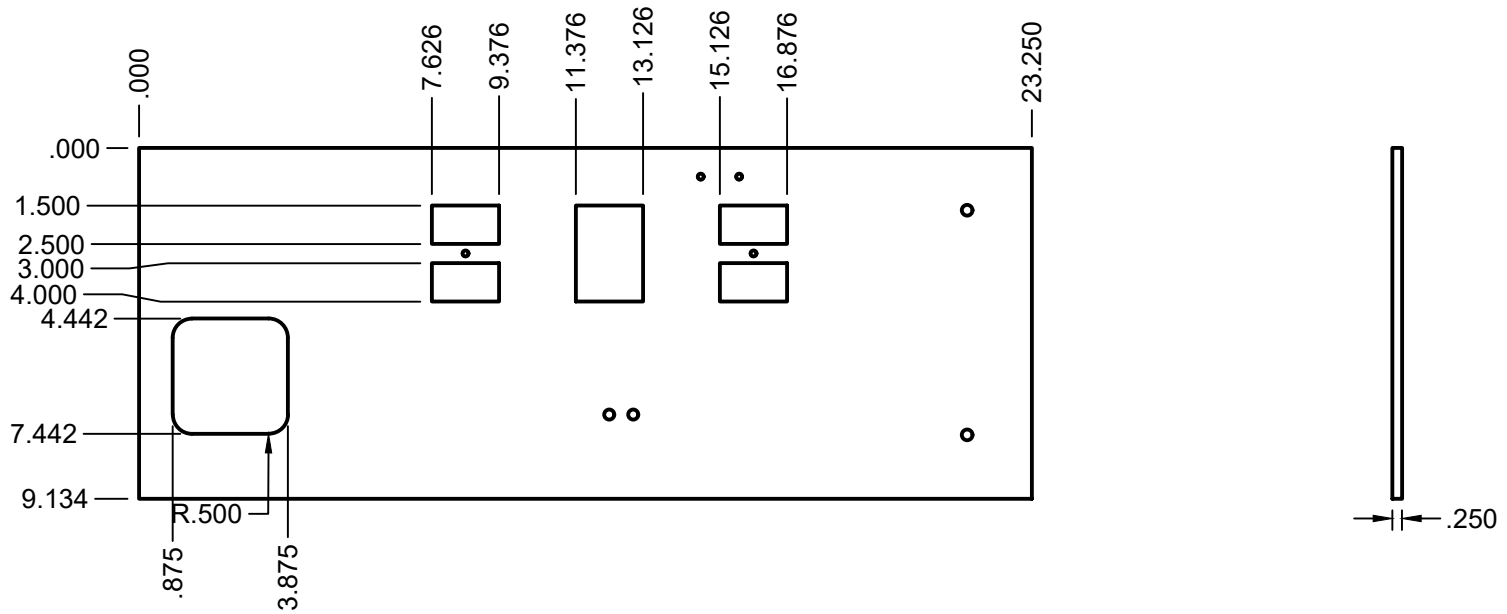
Material:	Number Required:	Process Notes:
1/4 Plate		





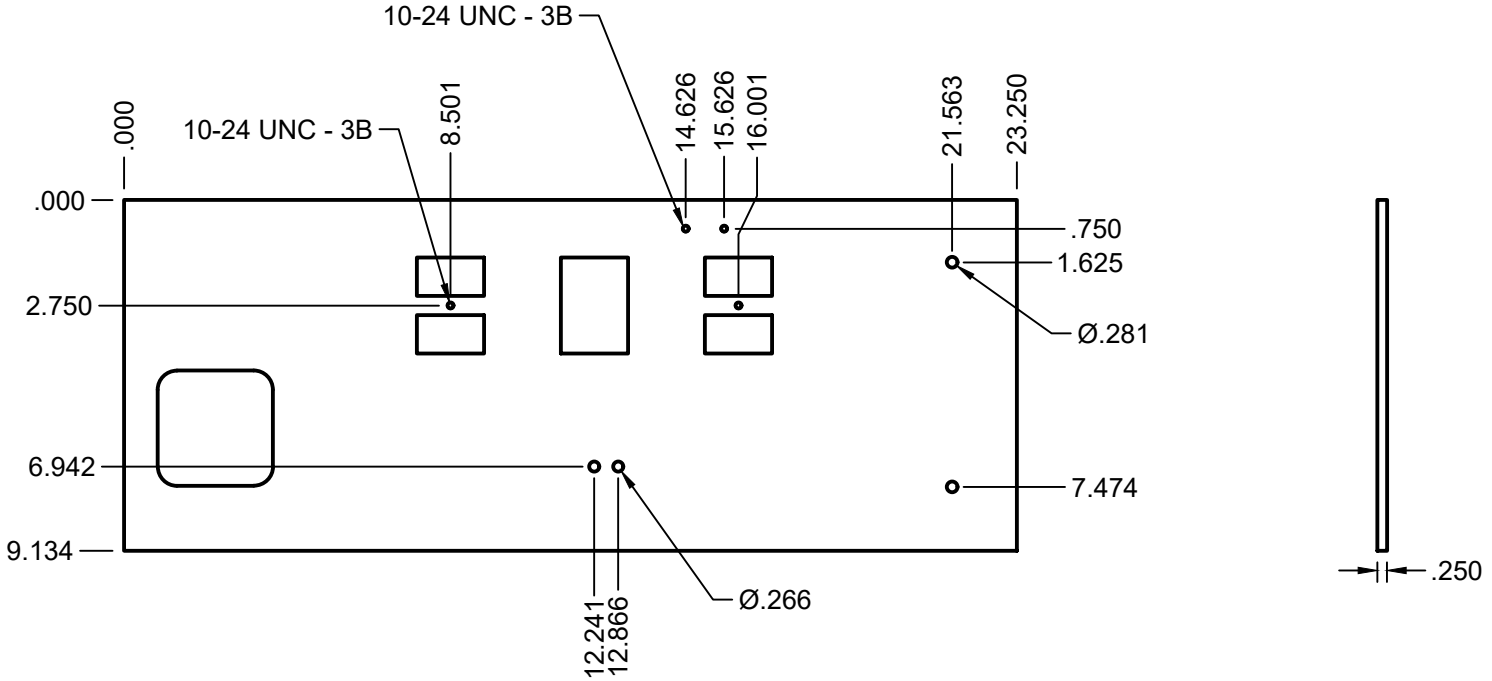
Revision Record	Date		Tolerances	Date:	Part Number:
			(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	9/19/2022	CC1
				Scale: 1:8	Title: Chamber Back
				Drawn By: NIT	Project Name: Pearling Machine

Material: 1/4 Plate	Number Required: 1	Process Notes:



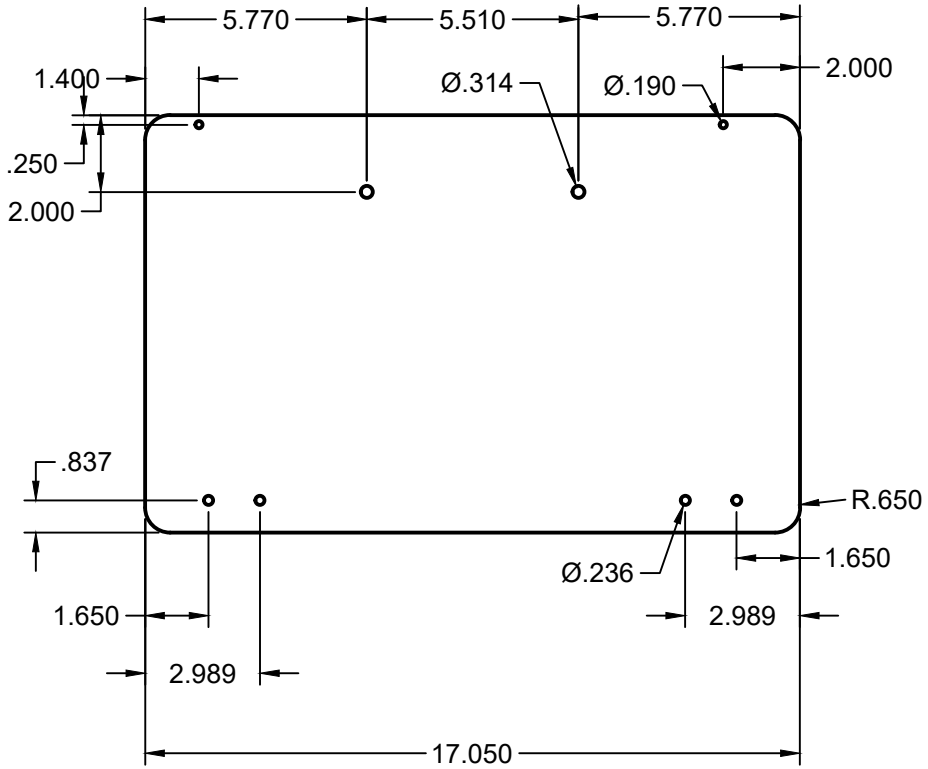
Revision Record	Date		Tolerances (except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	Date: 9/20/2022	Part Number: CC3
				Scale: 1:5	Title: Cladding Top Waterjet
				Drawn By: NIT	Project Name: Pearling Machine

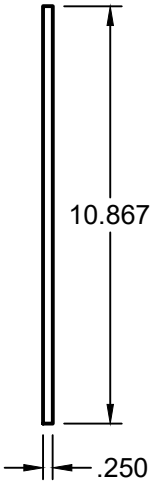
Material: CC3 Waterjet part	Number Required: 1	Process Notes:



Revision Record	Date		Tolerances (except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	Date: 9/20/2022	Part Number: CC3A
				Scale: 1:5	Title: Cladding Top with holes
				Drawn By: NIT	Project Name: Pearling Machine

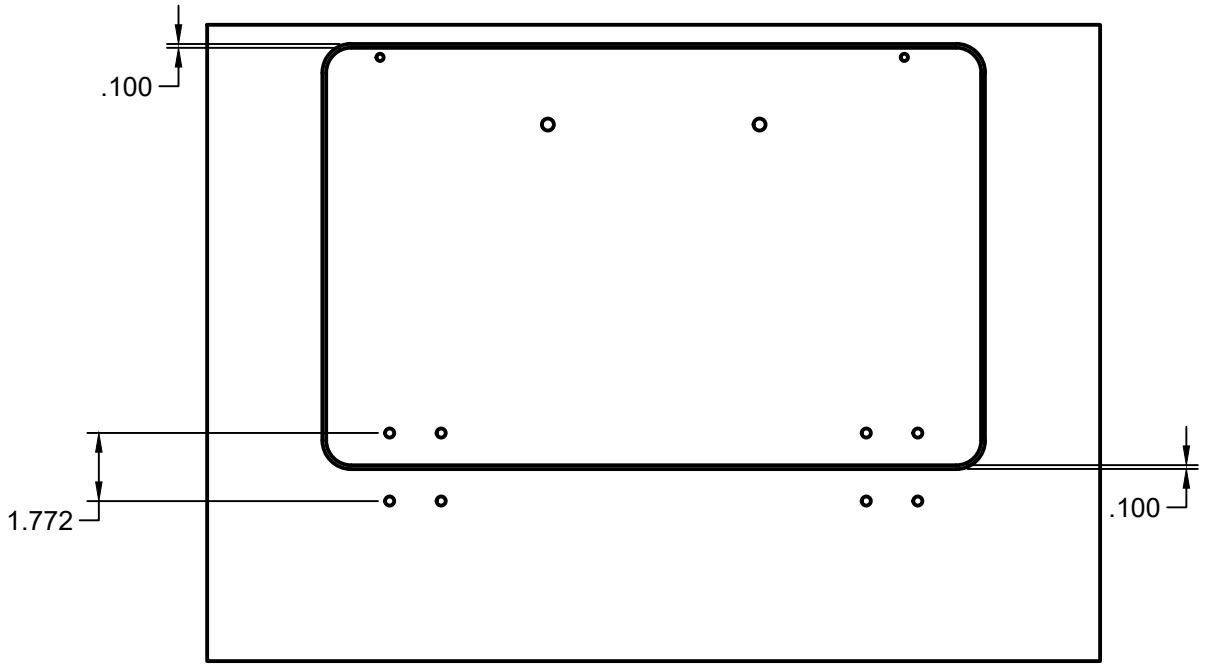
Material:	Number Required:	Process Notes:
1/4" Plate	1	





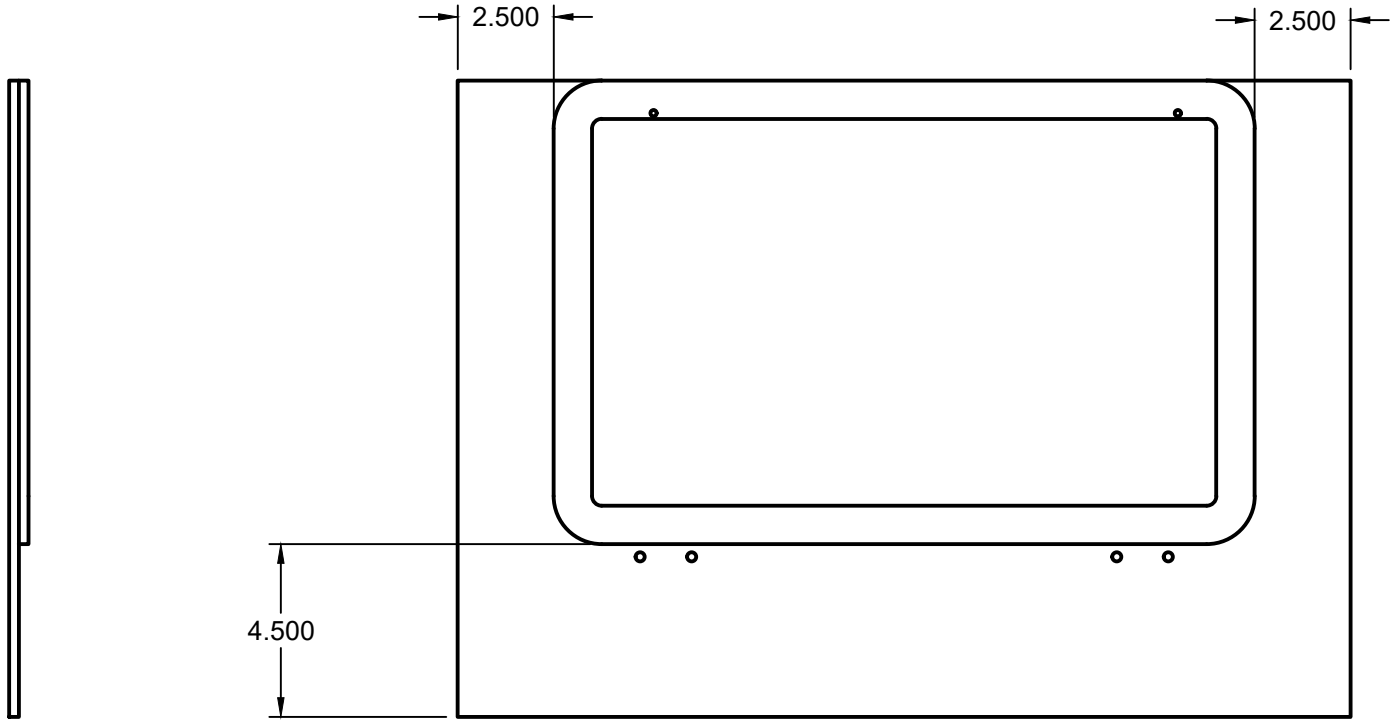
Revision Record	Date		Tolerances	Date:	Part Number:
			(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	9/20/2022	CC6
				Scale: 1:5	Title: Door
				Drawn By: NIT	Project Name: Pearling Machine

Material:	Number Required:	Process Notes:



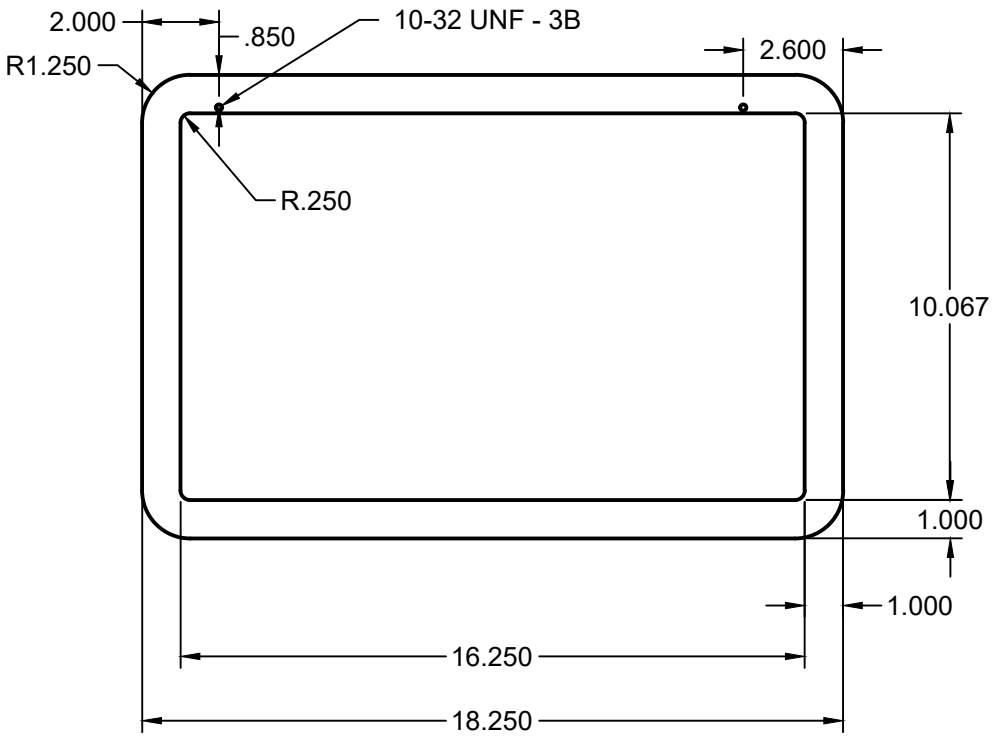
Revision Record	Date		Tolerances (except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	Date: 10/26/2022	Part Number:
				Scale: 1:5	Title: Door Fitment
				Drawn By: NIT	Project Name: Pearling Machine

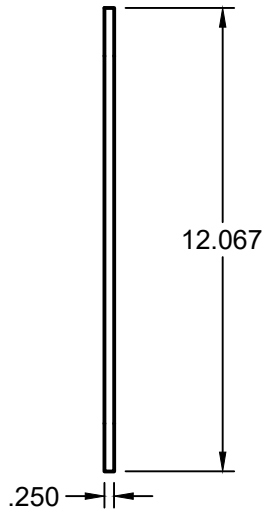
Material:	Number Required:	Process Notes:



Revision Record	Date		Tolerances (except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	Date: 10/26/2022	Part Number:
				Scale: 1:5	Title: Door Jamb Assembly
				Drawn By: NIT	Project Name: Pearling Machine

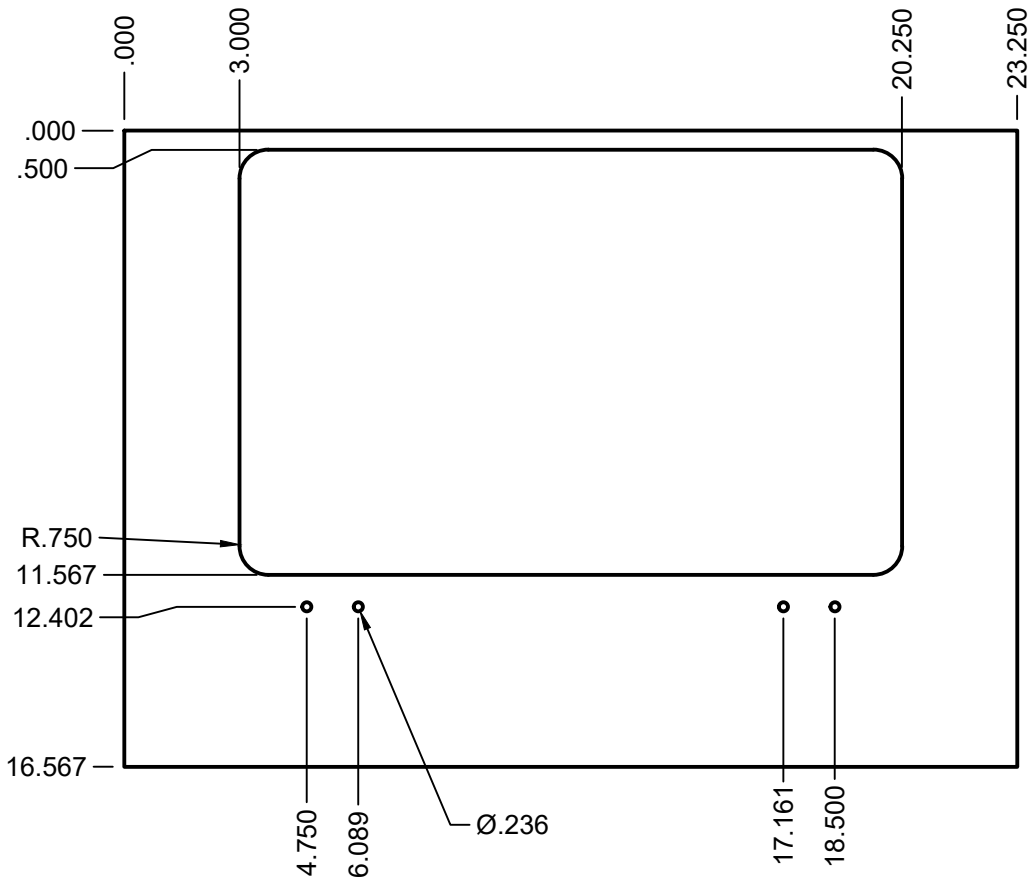
Material:	Number Required:	Process Notes:
1/4 Plate	1	

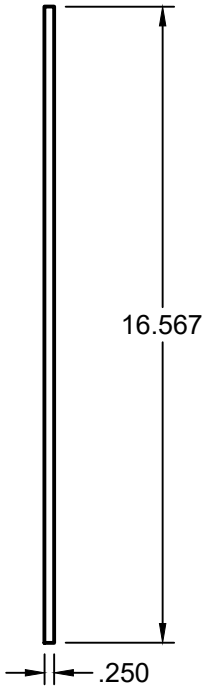




Revision Record	Date		Tolerances	Date:	Part Number:
			(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	9/20/2022	CC4
				Scale: 1:5	Title: Door Jamb
				Drawn By: NIT	Project Name: Pearling Machine

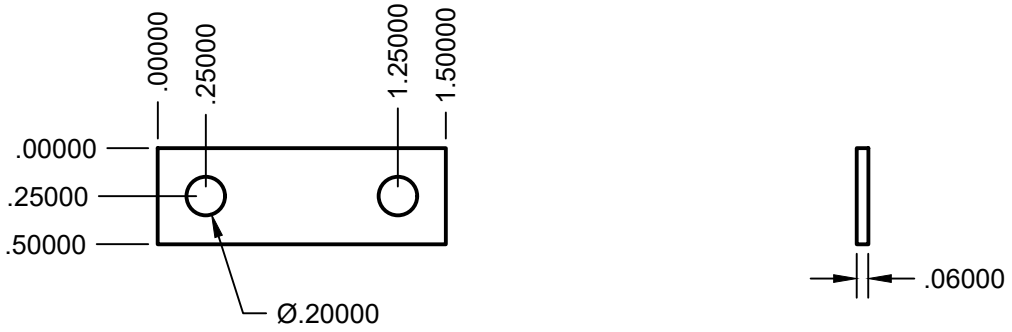
Material: 1/4" Plate	Number Required: 1	Process Notes:





Revision Record	Date		Tolerances (except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	Date: 9/20/2022	Part Number: CC5
				Scale: 1:5	Title: Door Surround
				Drawn By: NIT	Project Name: Pearling Machine

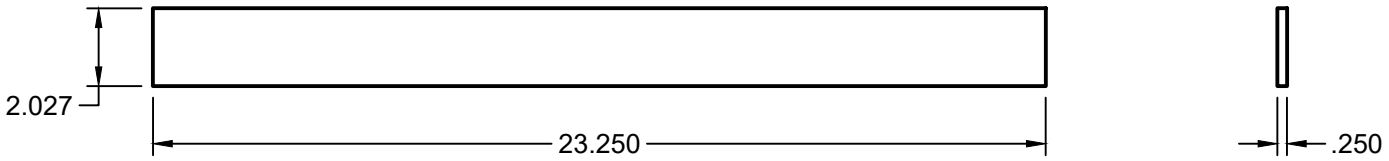
Material: 304 Stainless 16ga	Number Required: 1	Process Notes:



Revision Record	Date		Tolerances (except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	Date: 9/20/2022	Part Number: CC8
				Scale: 1:1	Title: Scale Line
				Drawn By: NIT	Project Name: Pearling Machine

Material: 2.25 x 1/4 1018 CF Bar	Number Required: 2	Process Notes:

Start with 2.25 x $\frac{1}{4}$" CF bar chamfer edges with grinder to fit to chamber



Revision Record	Date		Tolerances (except as noted) Decimals: +/- .005 except where noted Fractional: +/- $\frac{1}{32}$" Angular: +/- 1°	Date: 9/20/2022	Part Number: CC2
				Scale: 1:5	Title: Top Angle
				Drawn By: NIT	Project Name: Pearling Machine