

Pearling Machine Plans

# Screen Holder Assembly

Nigel Tudor  
Weatherbury Farm



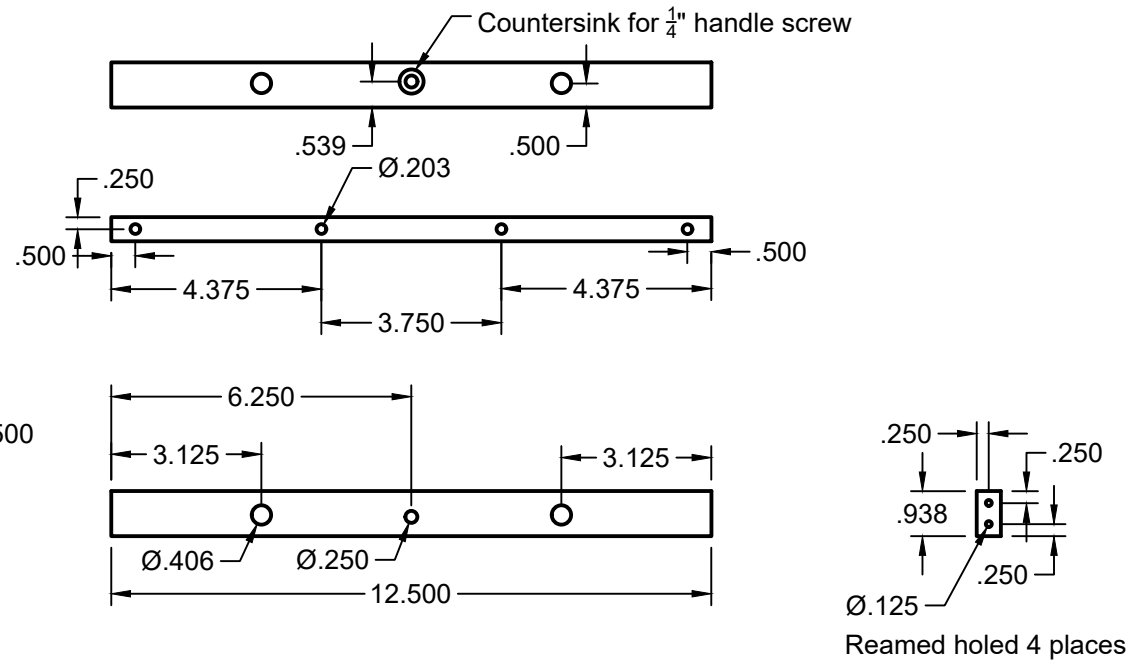
*This material is based upon work supported by the National Institute of Food and Agriculture, U.S. Department of Agriculture, through the Northeast Sustainable Agriculture Research and Education program under subaward number FNE19-945. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.*

Project details found at [https://projects.sare.org/sare\\_project/fne19-945/](https://projects.sare.org/sare_project/fne19-945/)

Material: 1/2 x 1" 1018 CF Steel

Number Required: 4

Process Notes:

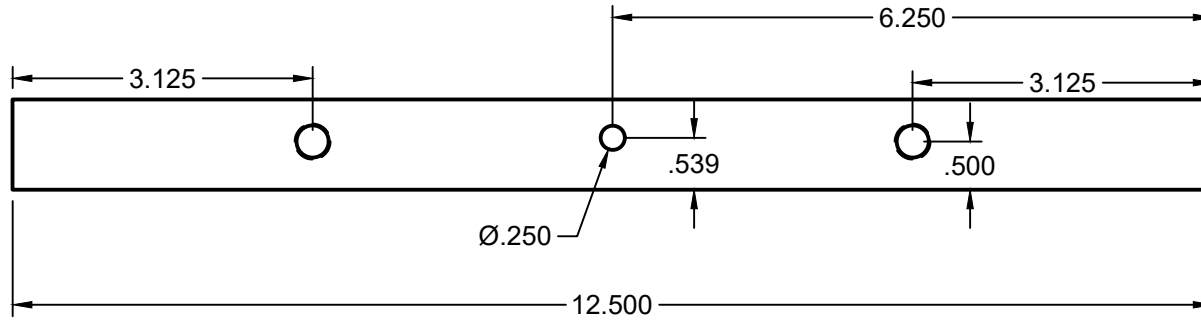


Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32 Angular: +/- 1°	9/19/2022	SH3
			Scale: 1:4	Title: Axial Screen Frame
			Drawn By: NIT	Project Name: Pearling Machine

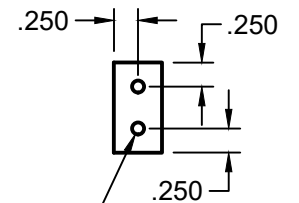
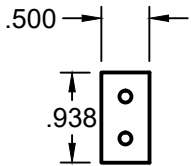
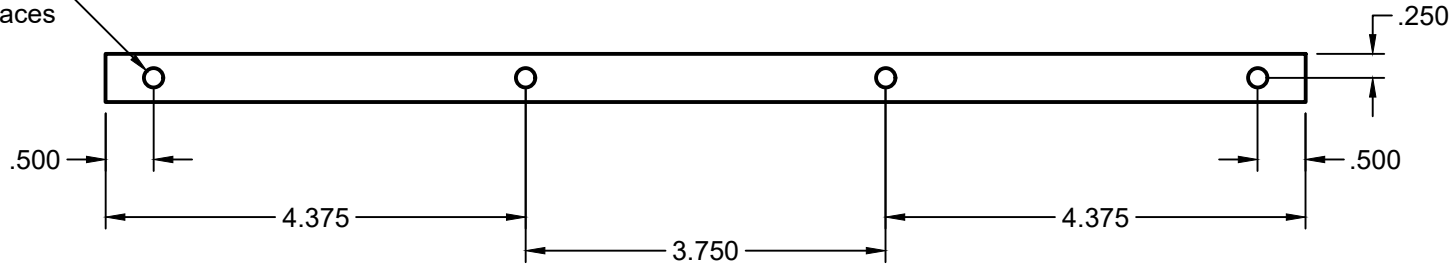
Material: 1/2 x 1 1018 CF steel

Number Required: 4

Process Notes:



Ø.203  
4 places



3/8-24 UNF - 3B  
2 places

Countersink for 1/4" handle screw

Ø.125  
Reamed hole 4 places

Revision Record

Date

Tolerances

(except as noted)  
Decimals:  
+/- .005 except where noted  
Fractional:  
+/- 1/32"  
Angular:  
+/- 1°

Date:

9/19/2022

Part Number:

SH4

Scale:

1:2

Title:

Rear Axial Screen Frame

Drawn By:

NIT

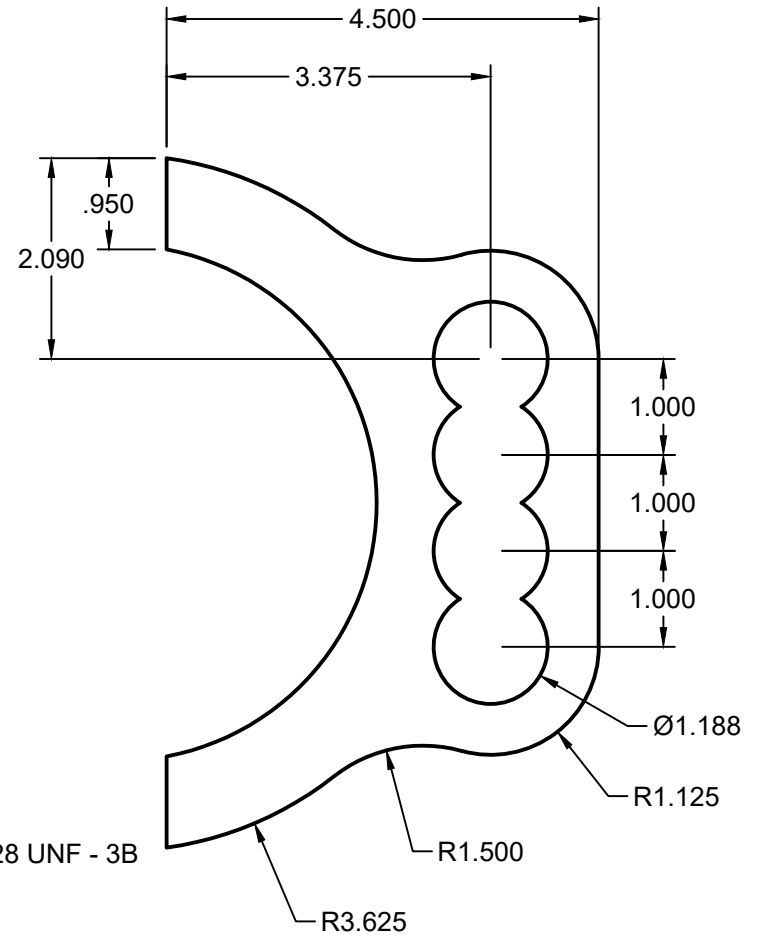
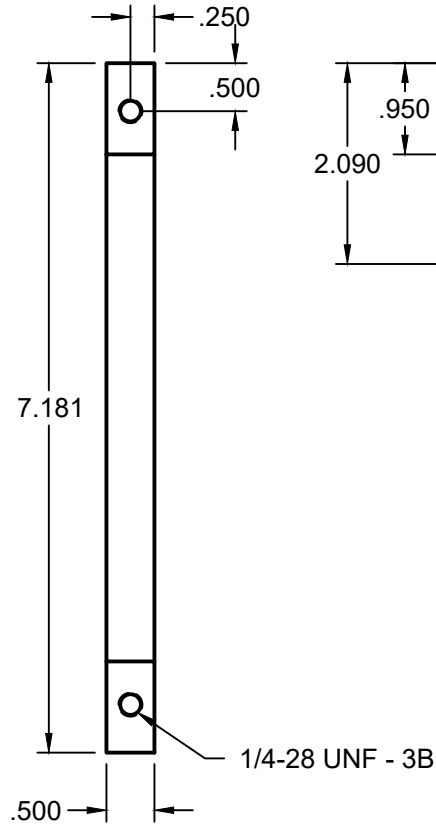
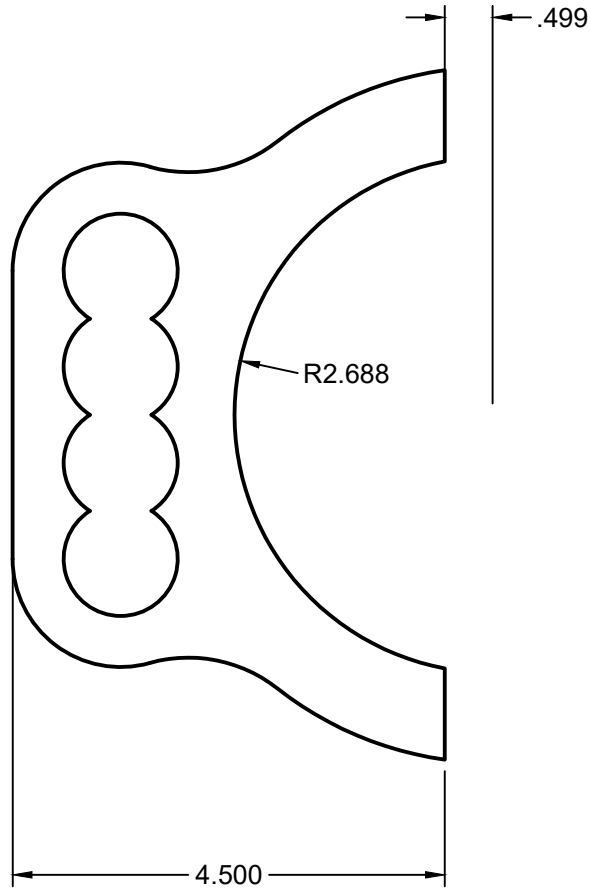
Project Name:

Pearling Machine

Material: 1/2 Steel Plate

Number Required: 4

Process Notes:



Revision Record

Date

Tolerances

Date:

9/19/2022

Part Number:

SH5

(except as noted)  
Decimals:  
+/- .005 except where noted  
Fractional:  
+/- 1/32  
Angular:  
+/- 1°

Scale:

1:4

Title:

Screen Frame Center

Drawn By:

NIT

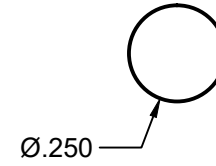
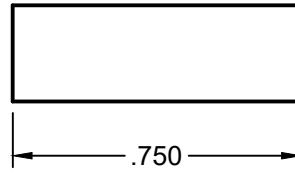
Project Name:

Pearling Machine

Material: .25 Dia x .75 Dowel Pin

Number Required: 16

Process Notes:



Revision Record

Date

Tolerances

(except as noted)  
Decimals:  
+/- .005 except where noted  
Fractional:  
+/-  $\frac{1}{32}$   
Angular:  
+/- 1°

Date:  
9/19/2022

Part Number:  
SH 2

Scale:  
2:1

Title:  
Screen Frame Dowel Pin

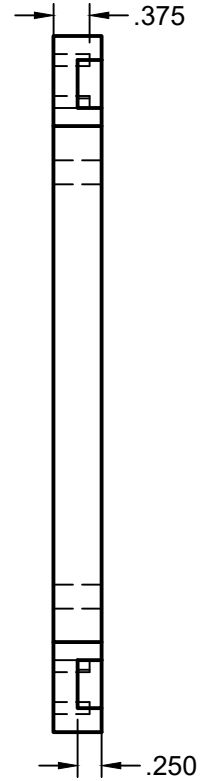
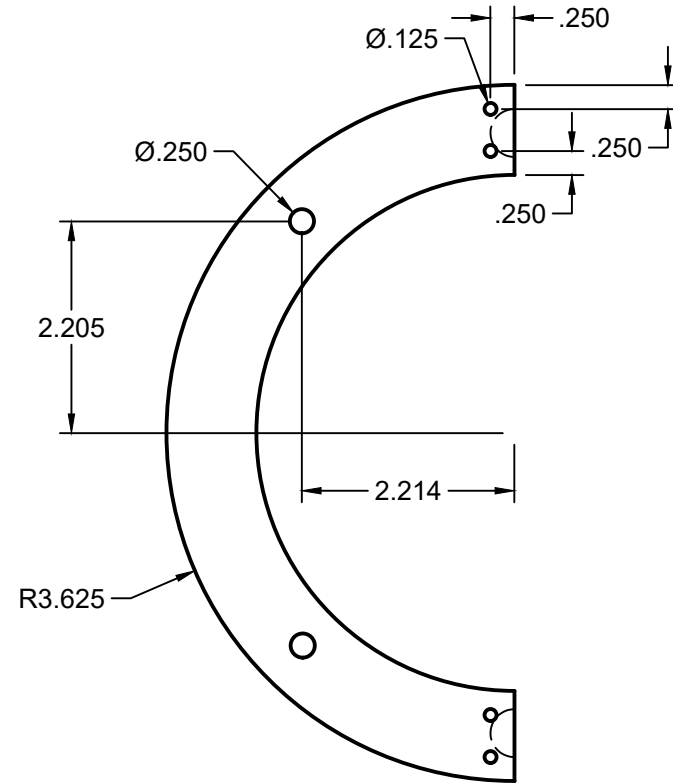
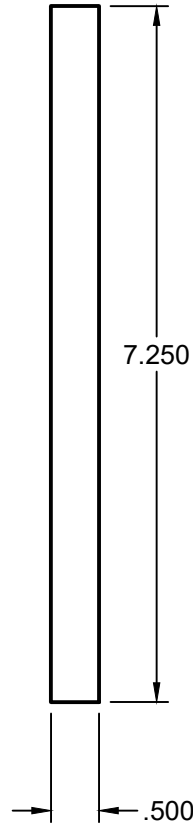
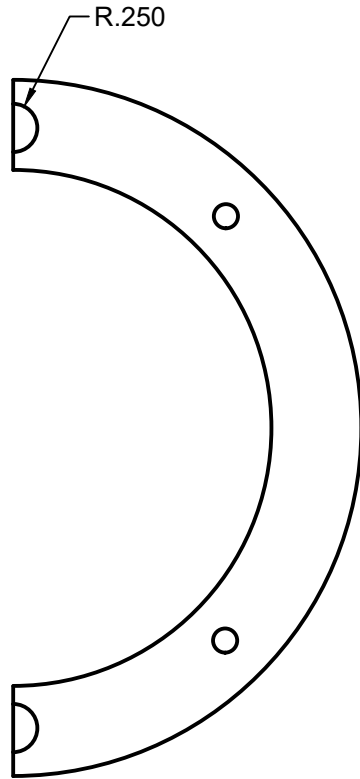
Drawn By:  
NIT

Project Name:  
Pearling Machine

Material: 1/2 Plate

Number Required: 8

Process Notes:



Revision Record

Date

Tolerances

Date:

9/19/2022

Part Number:

SH1

Scale:

1:2

Title:

Screen Frame End

Drawn By:

NIT

Project Name:

Pearling Machine

(except as noted)  
Decimals:  
+/- .005 except where noted  
Fractional:  
+/-  $\frac{1}{32}$   
Angular:  
+/- 1°

Quote for:

Nigel Tudor

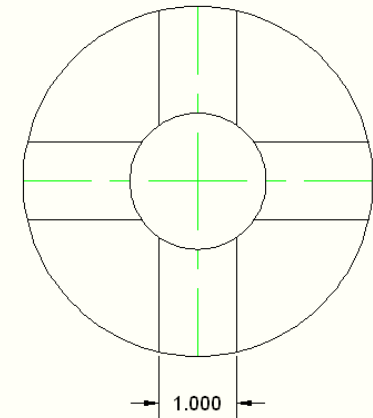
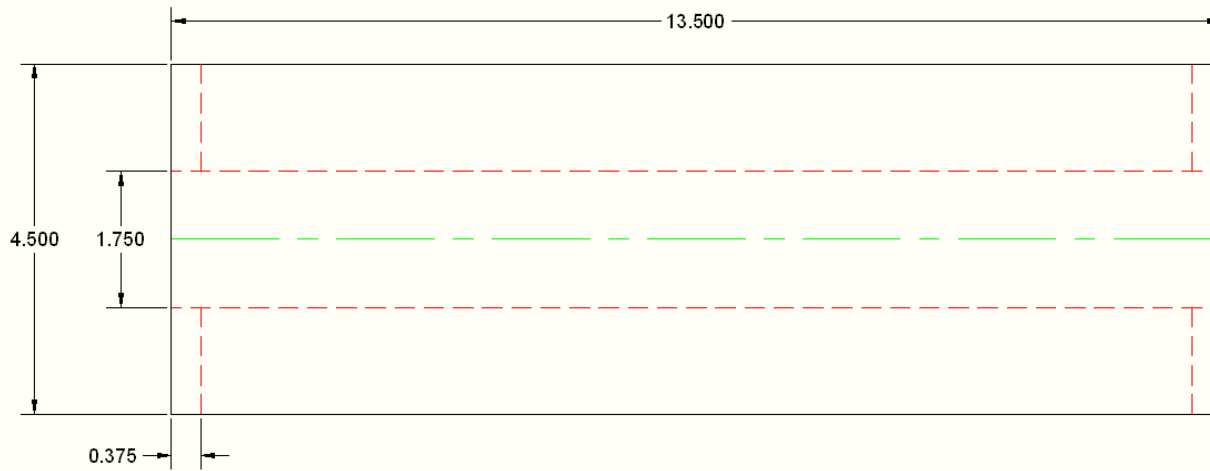
1061 Sugar Run Road

Avella, PA 15312

Phone: 724-587-3763

Email: info@weatherburyfarm.com

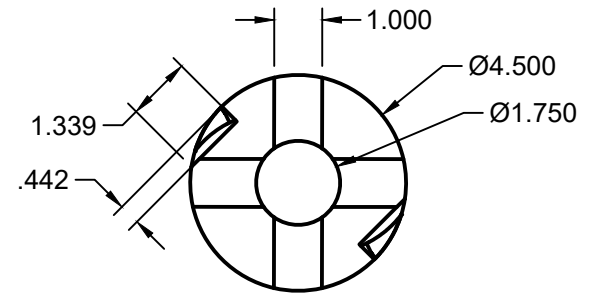
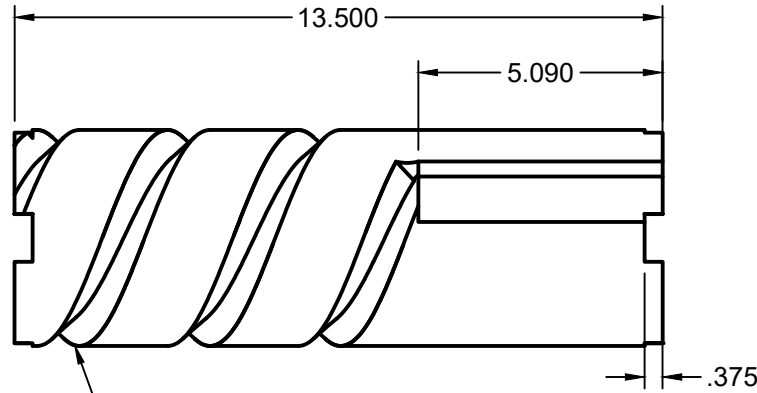
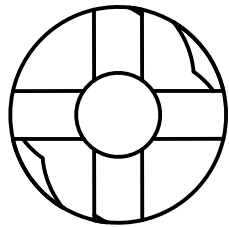
Material: Salisbury Pink or Barre Grey Granite



Material: Salisbury Pink Granite

Number Required: 1

Process Notes:



2 start "v" furrows make 1.5 revolutions (~5.6" lead) each  
.625" sidewalls/ .884" across top

Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- $\frac{1}{32}$ Angular: +/- 1°	10/11/2022	Milstn1
			Scale: 1:4	Title: Millstone
			Drawn By: NIT	Project Name: Pearling Machine