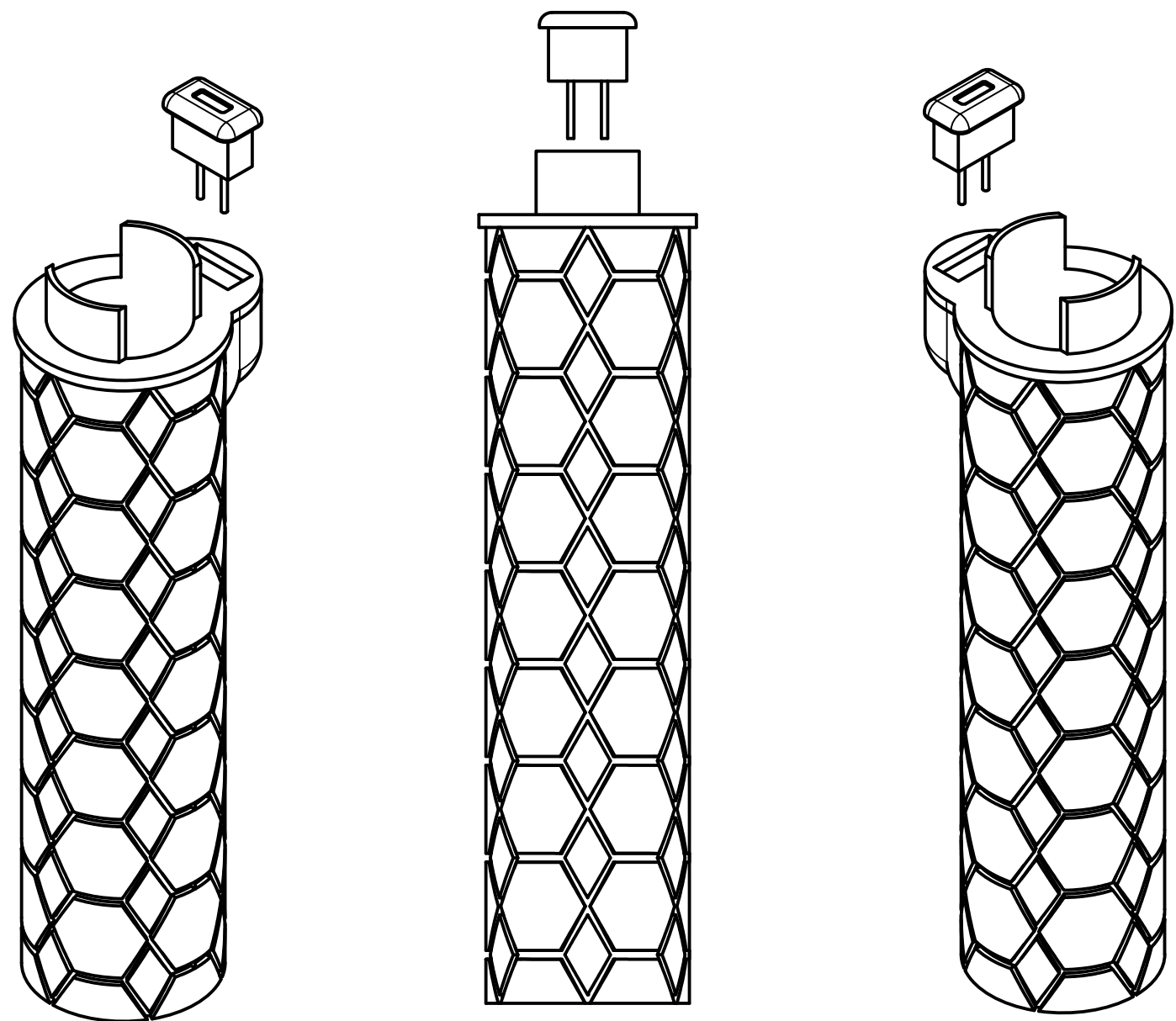


## ITEM OPPORTUNITY SYNOPSIS

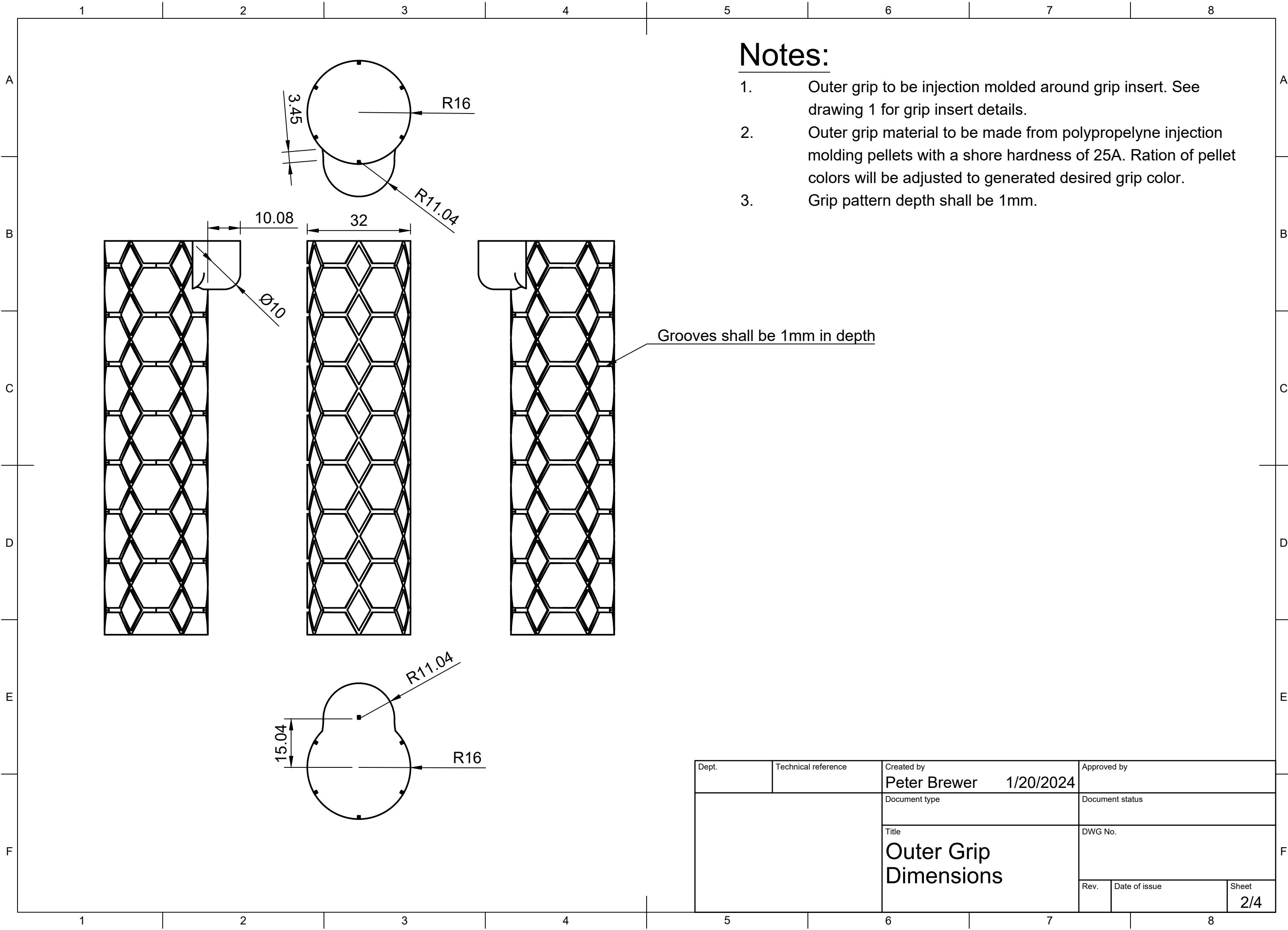
<b>Scouting Number:</b>	2024-166
<b>Name of the item to be scouted:</b>	Heated Bicycle Grips
<b>State item to be used in:</b>	Alaska
<b>Describe the Item:</b>	
<b>Please describe the item application/the end use of the item.</b>	Manufacturing heated bicycle grips, injection molding and electronics.
<b>Supplier Information:</b>	
<b>Type of Supplier Being Sought (select from the list below):</b>	
Manufacturer	x
Contract Manufacturer	
Distributor	
Other (Please Specify)	
<b>Reason for Scouting Submission (select from the list below)</b>	
2nd Supplier	
Price	
Re-Shore	
Past supplier no longer available	
New Product Startup	x
BABA	
Other (Please Specify)	
<b>Summary of Technical Specifications and Performance Requirements:</b>	
<b>Describe the manufacturing processes (elaborate to provide as much detail as possible)</b>	Injection molded insert and outer grip. Simple electronics for heated nichrome wire. Electronics will be located between the two injection molded parts.
<b>Provide dimensions / size / tolerances / performance specifications of the item</b>	See attached document.
<b>List required materials needed to make the product, including materials of product components, if applicable</b>	See attached document.
<b>Are there applicable certification requirements?</b>	
Yes	
No	x
Please explain:	
<b>Are there any applicable regulations that apply to the production of this item?</b>	
Yes	
No	x
Please explain:	
<b>Are there any other standards / requirements?</b>	
Yes	
No	x
Please explain:	
<b>NAICS CODES:</b>	
NAICS 1	
NAICS 2	
<b>Additional Comments:</b>	
<b>Additional technical comments:</b>	
<b>Volume and Pricing:</b>	
<b>Estimated Potential Business Volume (i.e. #units per day, month, year):</b>	500 pairs for the first run, plans to continue outsourced manufacturing
<b>Estimated Target Price/Unit Cost Information:</b>	500 pairs, China has a quote for 8.2 USD per pair. Would like to keep below 20 USD manufactured in the US.
<b>Delivery Requirements:</b>	
<b>When is it needed by? (Immediate, 30 days, 6 months, etc.)</b>	October 2024
<b>Describe packaging requirements (i.e. individually/group packaging, etc.)</b>	Bulk to Anchorage, Alaska
<b>Where will this item be shipped?</b>	Anchorage, Alaska
<b>Additional Comments:</b>	
<b>Is there other information you would like to include?</b>	

# Notes:

Grips have been designed to work with a standard ODI bar clamp.



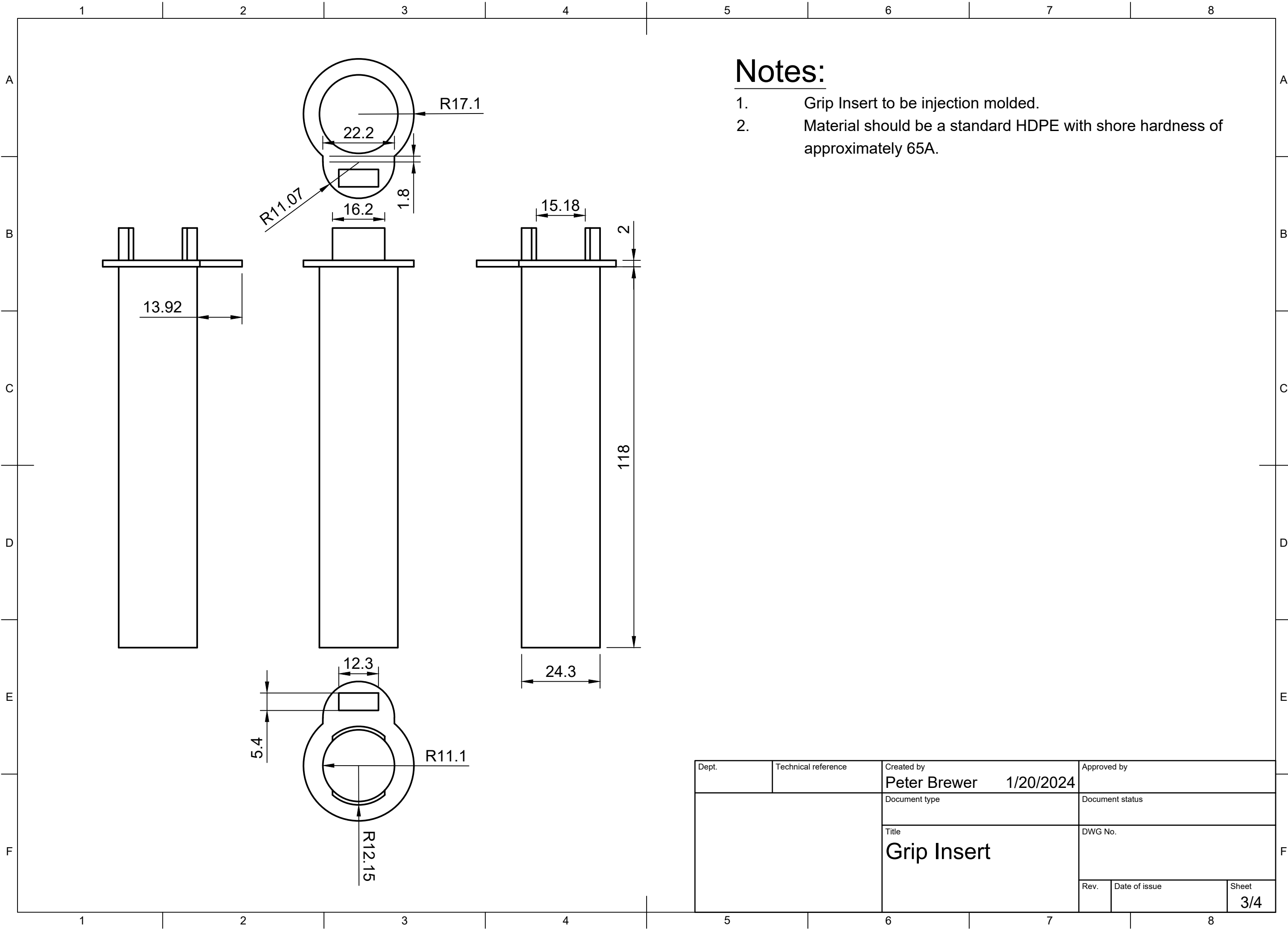
Dept.	Technical reference	Created by <b>Peter Brewer</b> <b>1/20/2024</b>	Approved by
		Document type	Document status
		Title <b>Heated Bike Grip Cover Page</b>	DWG No.
Rev.	Date of issue		Sheet <b>1/4</b>



### Notes:

1. Outer grip to be injection molded around grip insert. See drawing 1 for grip insert details.
2. Outer grip material to be made from polypropylene injection molding pellets with a shore hardness of 25A. Ration of pellet colors will be adjusted to generated desired grip color.
3. Grip pattern depth shall be 1mm.

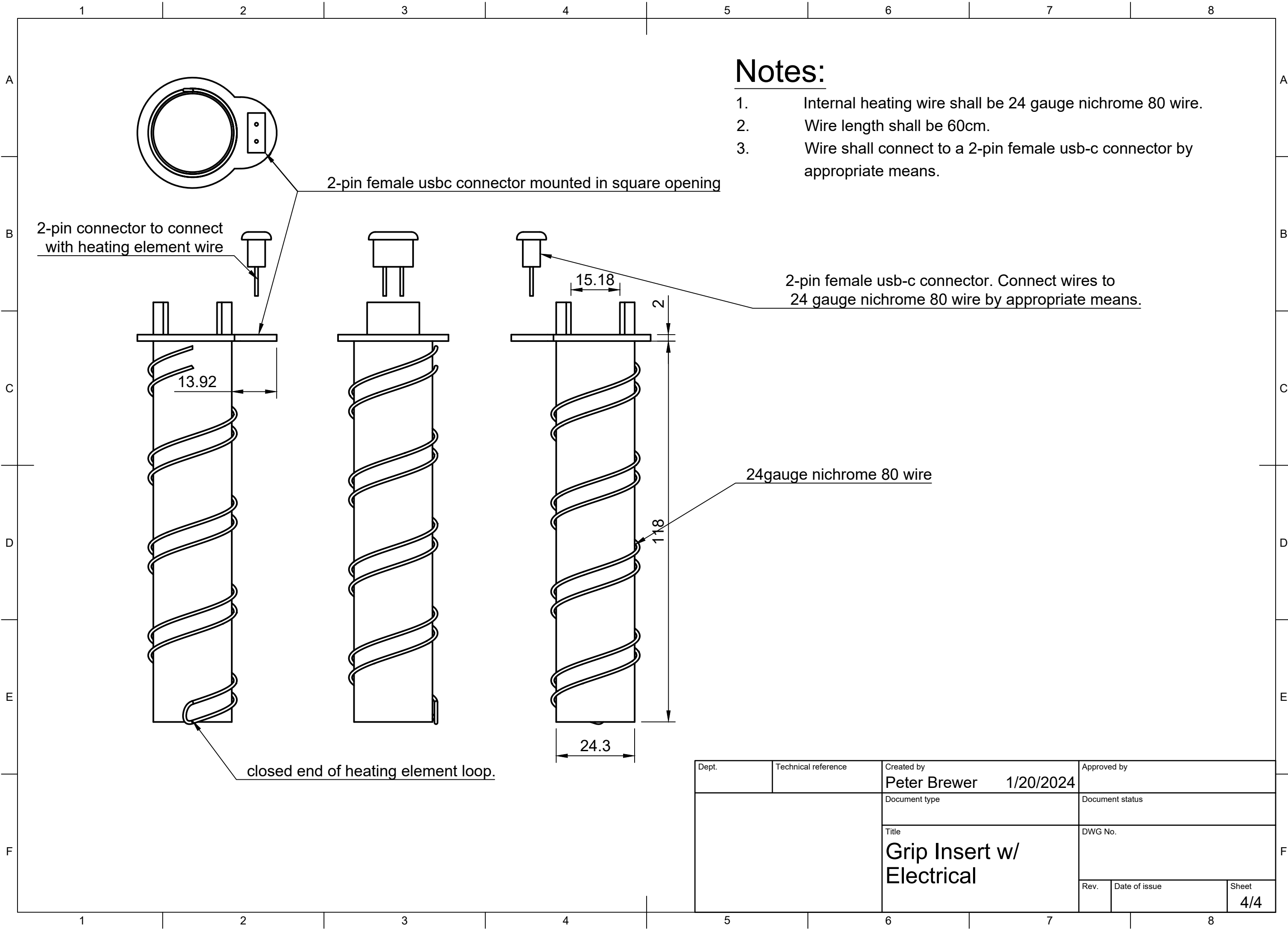
Dept.	Technical reference	Created by <b>Peter Brewer</b>	1/20/2024	Approved by
		Document type	Document status	
		Title <b>Outer Grip Dimensions</b>	DWG No.	
Rev.	Date of issue		Sheet <b>2/4</b>	



### Notes:

1. Grip Insert to be injection molded.
2. Material should be a standard HDPE with shore hardness of approximately 65A.

Dept.	Technical reference	Created by <b>Peter Brewer</b>	1/20/2024	Approved by
		Document type	Document status	
		Title <b>Grip Insert</b>	DWG No.	
Rev.	Date of issue	Sheet		<b>3/4</b>



### Notes:

1. Internal heating wire shall be 24 gauge nichrome 80 wire.
2. Wire length shall be 60cm.
3. Wire shall connect to a 2-pin female usb-c connector by appropriate means.

2-pin female usb-c connector. Connect wires to 24 gauge nichrome 80 wire by appropriate means.

24gauge nichrome 80 wire

closed end of heating element loop.

Dept.	Technical reference	Created by <b>Peter Brewer</b>	1/20/2024	Approved by
		Document type	Document status	
		Title <b>Grip Insert w/ Electrical</b>	DWG No.	
		Rev.	Date of issue	Sheet <b>4/4</b>