



801 E Douglas Avenue ~ 2nd Floor – PMB#2688 ~ Wichita, KS 67202~ (303) 325-3873

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E-MC-21-0002

Rev IR

Master Drawing List

TB40 Main Ships Battery

Textron Aviation 400A

FAA Project #: ST06791WI-T

FAA STC TBD

<p>F. A. A. APPROVED Wichita ACO Branch AIR-7K0 Name/Date:</p>
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Signatures:

	Name	Signature	Date
Checked	Todd Bailey	/s/ T Bailey	07/20/2022
Approved	Laura Wilding	/s/ L Wilding	07/20/2022

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REVISION STATUS

Rev.	Description	Approved	Date
IR	Initial Release.	See cover sheet	

Document No.	Title	Page
E-MC-21-0002 Rev IR	Master Drawing List, Textron 400A TB40 STC	ii

TABLE OF CONTENTS

Revision Statusii

1. Introduction 1

 1.1. Definitions and Acronyms 1

2. Controlling Documents 2

3. Weight and balance 3

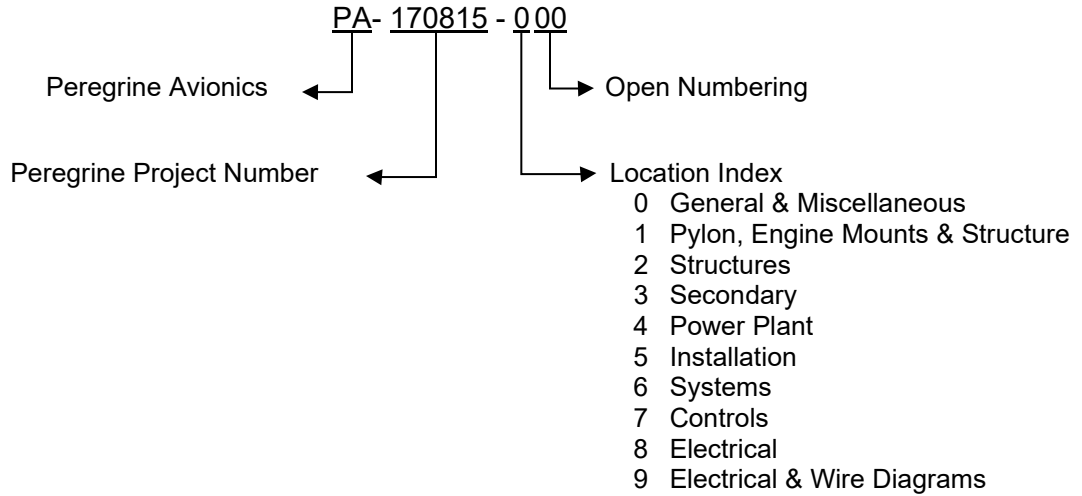
4. Electrical Loads 3

Document No.	Title	Page
E-MC-21-0002 Rev IR	Master Drawing List, Textron 400A TB40 STC	iii

1. INTRODUCTION

The purpose of the drawing list is to identify all drawings required to support the installation of the True Blue Power TB40 Main Ships Battery on the Textron 400A.

The engineering drawings to be prepared by Peregrine in support of this project are grouped according to the following technical areas:



1.1. Definitions and Acronyms

FAA	Federal Aviation Administration
STC	Supplemental Type Certificate

Document No.	Title	Page
E-MC-21-0002 Rev IR	Master Drawing List, Textron Hawker 400A TB40 STC	1

2. CONTROLLING DOCUMENTS

The design change presented by this Supplemental Type Certificate (STC) is controlled in its entirety by the following documents:

Table 1: STC Controlling Documents

DOCUMENT	DRAWING TITLE	Eff	REVISION	STATUS/ RLS DATE
E-MC-21-0008	Instructions for Continued Airworthiness	Model 400A	IR	09/19/22
PA-211015-301	ANGLE	Model 400A	B	06/28/22
PA-211015-303	SHIM		IR	02/16/22
PA-211015-305	MOUNTING PLATE		A	03/11/22
PA-220211-307	TB40 TIEDOWN BLOCK		IR	02/11/22
PA-211015-311	VENT TUBE MOUNT PLATE		A	02/21/22
PA-211015-313	DOUBLER		IR	02/16/22
PA-220211-315	THREADED ROD		IR	02/11/22
PA-211015-321	BATTERY MOUNT PLATE ASSEMBLY		IR	03/11/22
PA-220211-323	HOLD DOWN FITTING ASSEMBLY		A	03/14/22
PA-211015-325	VENT TUBE ASSEMBLY		A	03/07/22
PA-170222-229	VENT TUBE		IR	10/15/21
PA-211015-501	TB40 BATTERY AND VENT TUBE INSTALLATION		C	06/23/22
PA-211015-503	MD23 INSTALLATION		B	02/25/22
PA-211015-525	ELECTRICAL INSTALLATION, TB-40 BATTERY, HAWKER 400		A	06/24/22
PA-211015-527	WIRE ROUTING, TB-40 BATTERY, HAWKER 400		B	07/19/22
PA-211015-801	INSTALLATION KIT, TB40 BATTERY, HAWKER 400		IR	07/19/22
PA-211015-901	TB40 WIRING DIAGRAM		IR	07/20/22

Document No.	Title	Page
E-MC-21-0002 Rev IR	Master Drawing List, Textron Hawker 400A TB40 STC	2

3. WEIGHT AND BALANCE

The information in Table 2 is provided to adjust the serial number specific Weight and Balance (W&B) documents following installation of the STC equipment.

Table 2: Weight and Balance Change

COMPONENT	WEIGHT (LB)	ARM (IN)	MOMENT ARM (LB/IN)
Removed:			
Concorde RG-380E/60L Battery	-96.0	424.7	-40771.20
Vent, Tubing, and Installation Hardware	-2.5	427.8	-1069.50
Added:			
6430040-1 TB40 Battery	+36.6	424.7	15544.02
Vent, Tubing, and Installation Hardware	+5.31	427.8	2271.62
MD23 and Installation Hardware	+0.5	89.96	44.98
TOTAL CHANGE	-56.1		-23980.1

4. ELECTRICAL LOADS

The introduction of the TB40 batteries in place of the previously certificated batteries presents no change or adverse impact to the ability aircraft electrical system to provide power to the aircraft systems. Further, the engine ignition system is otherwise not affected by this modification.