



CLIENT  
**MECHTRONIX**  
PROJECT  
**ASCENT**

CAD GENERATED DRAWING  
DO NOT UPDATE MANUALLY  
CREATED ON  
**2004-11-18**

# PARTS LIST

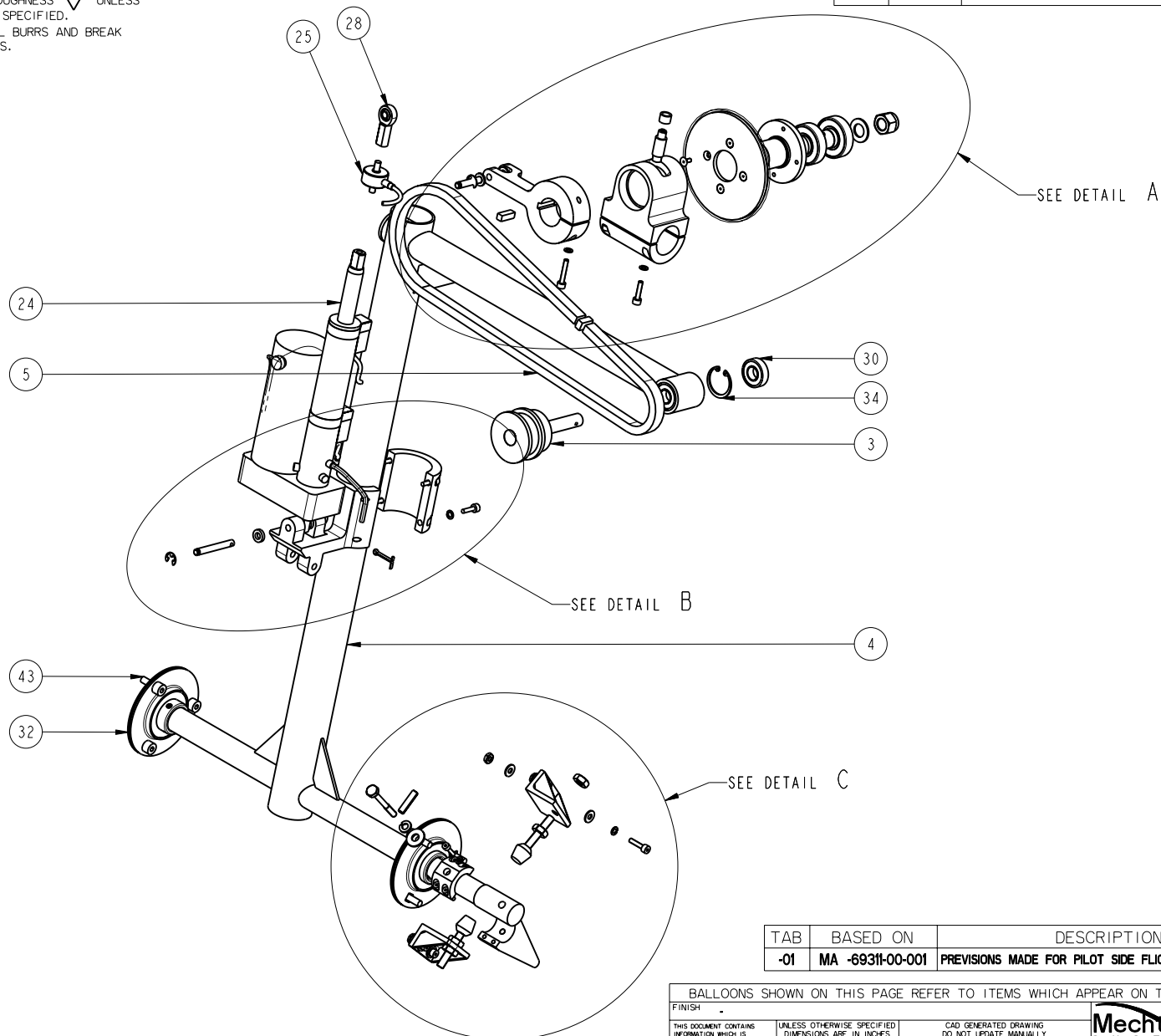
DRAFTER  
**S.MANCINI**  
DESIGNER  
**S.MANCINI**  
APPROVER  
**S.MANCINI**  
LAST UPDATED  
**2004-12-01**  
PROJECT NO  
**-**

TITLE  
**AILERON CONTROL ASSEMBLY - ELECTRIC  
- B200, PILOT SIDE**  
SIZE  
**C**  
BASED ON  
**-**  
DWG NO  
**MA -69311-01-001**  
SCALE  
**N/A**  
DWG FILE  
**69311-01 001**  
SHEET  
**1 OF 7**

ITEM	QTY	PART # / ID	TITLE / DESCRIPTION
1	1	WD -69311-01-001	AILERON CONTROL ASSEMBLY - ELECTRIC - B200, PILOT SIDE - WIRING DIAGRAM
2	2	WA -69372-00-001	ELEVATOR STOPPER SUPPORT ASSEMBLY
3	1	WA -69289-00-001	PILOT SPROCKET SHAFT ASSEMBLY
4	1	WA -50552-01-001	CONTROL COLUMN FRAME ASSEMBLY - PILOT SIDE ONLY
5	1	MA -69307-00-001	B200 SHORT CHAIN
6	1	FP -69390-00-001	AILERON STOPPER SHAFT
7	1	FP -69389-00-001	AILERON STOPPER COLLAR
8	1	FP -69371-00-001	ELEVATOR STOPPER ARM SUPPORT
9	1	FP -69370-00-001	ELEVATOR STOPPER CLAMP
10	1	FP -69369-00-001	ELEVATOR STOPPER ARM
11	1	FP -69316-00-001	LINEAR ACTUATOR NOSE PIN
12	1	FP -69308-00-001	LINEAR ACTUATOR ARM PIN
13	1	FP -69304-00-002	BEARING HOUSING
14	1	FP -69303-00-001	BEARING WASHER
15	1	FP -69300-00-001	BEARING HOUSING CLAMP, LOWER HALF
16	1	FP -69299-00-002	SPROCKET MOUNTING SHAFT
17	1	FP -69296-00-002	SPROCKET CLAMP
18	1	FP -69292-00-001	LINEAR ACTUATOR PIVOT
19	1	FP -69290-00-001	LINEAR ACTUATOR REAR CLAMP
20	2	FP -69286-01-001	DELRIN WASHER
21	2	FP -69286-00-001	DELRIN WASHER
22	1	FA -69315-00-001	SPROCKET-SHAFT KEY
23	1	FA -69297-00-001	SPROCKET, 36 TEETH, 3/8" PITCH, 5/8" BORE
24	1	276-00015-00-000	ACTUATOR WITH 48V MOTOR, SINGLE SHAFT, 4" STROKE, 3:1
25	1	260-00012-00-000	500 LB. LOAD CELL
26	1	222-00003-00-000	COTTER PIN, DIA 1/8" X 1"
27	2	218-00001-00-000	STOPPER, 5/16-18 X 2-1/4, FLAT-TIPPED BONDED CAP
28	1	216-00008-00-000	ROD END, 1/4" BORE, 1/4-28 FEMALE, RIGHT HAND
29	2	212-00012-00-000	SINGLE ROW BALL BEARING, 3/4" ID, 1-5/8" OD, 7/16" WIDE, 2 SEALS
30	2	212-00002-00-000	SINGLE ROW BALL BEARING, 1/2" ID, 1-1/8" OD, 5/16" WIDE, 2 SEALS
31	2	196-00005-00-000	SPRING PIN, DIA 1/4" x 1"
32	2	194-00002-00-000	FLANGE BEARING KIT, 1" BORE INSIDE
33	3	184-00024-00-000	R-RING, 0.250" SHAFT, R1000
34	2	184-00009-00-000	R-RING, 1.125" HOUSING, R3000
35	1	174-00009-00-000	HEX BOLT, 1/4-20 X 2", GR-5, ZINC PLATED

TITLE			
AILERON CONTROL ASSEMBLY - ELECTRIC - B200, PILOT SIDE			
SIZE C	BASD ON -	DWG NO MA -69311-01-001	
SCALE N/A	DWG FILE 69311-01 001	SHEET 2 OF 7	

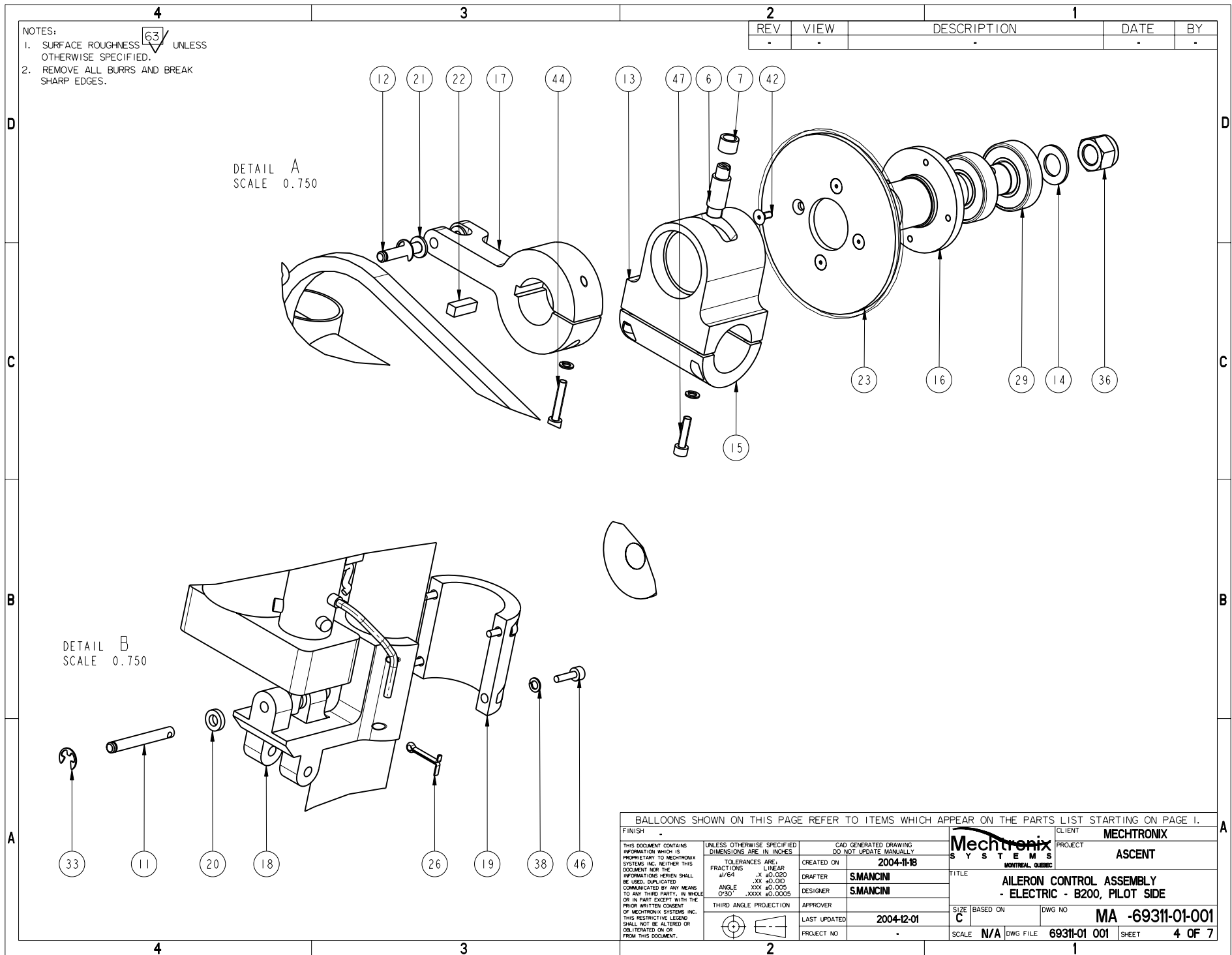
- NOTES:
1. SURFACE ROUGHNESS  $\sqrt{63}$  UNLESS OTHERWISE SPECIFIED.
  2. REMOVE ALL BURRS AND BREAK SHARP EDGES.



TAB	BASED ON	DESCRIPTION	DATE	BY
-01	MA -69311-00-001	PREVISIONS MADE FOR PILOT SIDE FLIGHT CONTROLS ONLY	2004/11/18	SM

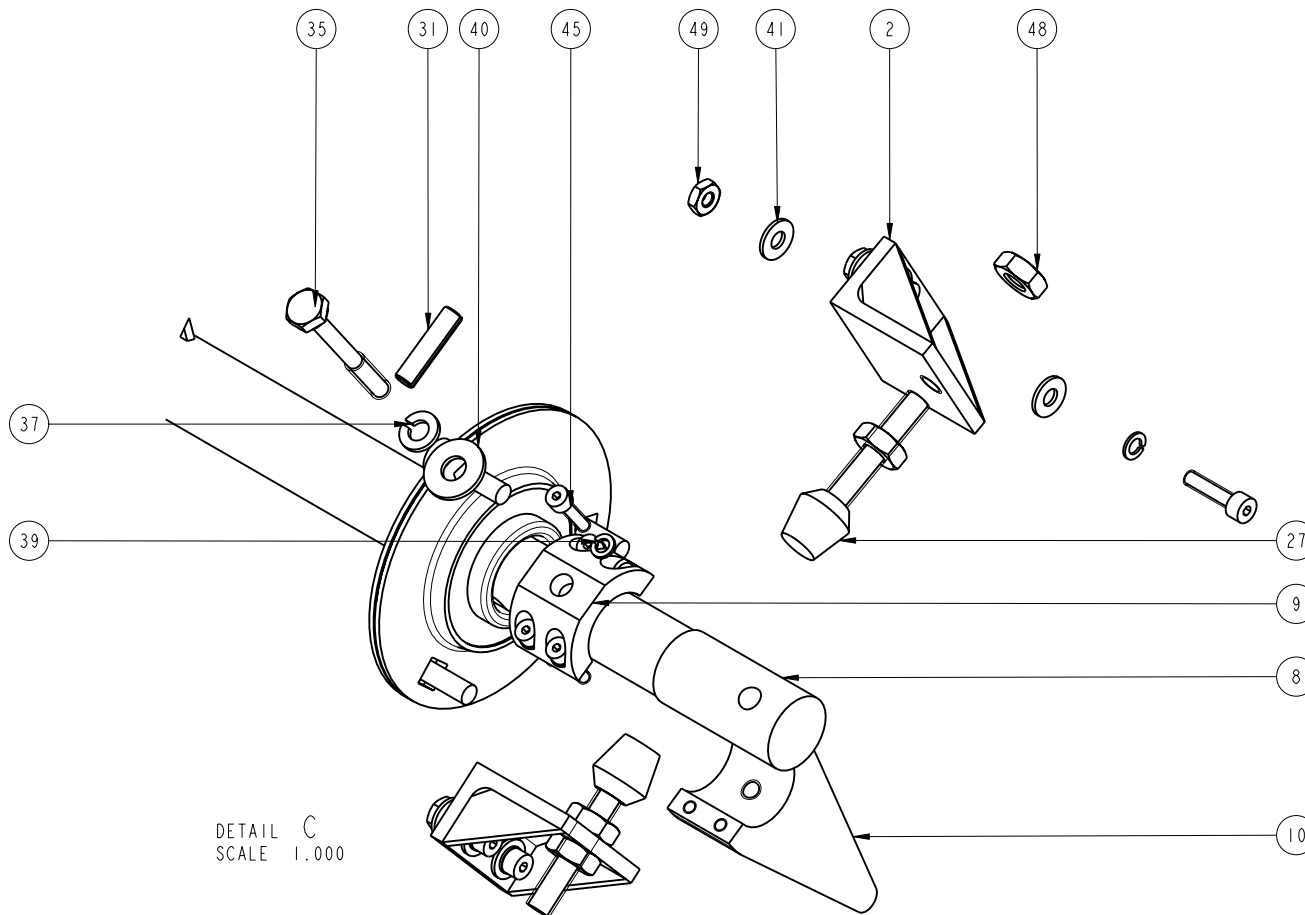
BALLOONS SHOWN ON THIS PAGE REFER TO ITEMS WHICH APPEAR ON THE PARTS LIST STARTING ON PAGE 1.

FINISH -		CLIENT MECHTRONIX	
THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO MECHTRONIX SYSTEMS INC. NEITHER THIS DOCUMENT NOR THE INFORMATION HEREIN SHALL BE USED, DUPLICATED, COMMUNICATED BY ANY MEANS TO ANY THIRD PARTY, IN WHOLE OR IN PART EXCEPT WITH THE PRIOR WRITTEN CONSENT OF MECHTRONIX SYSTEMS INC. THIS RESTRICTIVE LEGEND SHALL NOT BE ALTERED OR OBLITERATED OR DELETED FROM THIS DOCUMENT.		PROJECT ASCENT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TITLE AILERON CONTROL ASSEMBLY - ELECTRIC - B200, PILOT SIDE	
TOLERANCES ARE: FRACTIONS LINEAR $\pm 1/64$ X $\pm 0.020$ XX $\pm 0.010$ XXX $\pm 0.005$ XXXX $\pm 0.0005$ THIRD ANGLE PROJECTION		DRAWING NO. MA -69311-01-001	
CAD GENERATED DRAWING DO NOT UPDATE MANUALLY		SCALE N/A DWG FILE 69311-01 001 SHEET 3 OF 7	
CREATED ON 2004-11-18		LAST UPDATED 2004-12-01	
DRAFTER S.MANCINI		PROJECT NO -	
DESIGNER S.MANCINI			
APPROVER			



## NOTES:

1. SURFACE ROUGHNESS  $\sqrt{63}$  UNLESS OTHERWISE SPECIFIED.
2. REMOVE ALL BURRS AND BREAK SHARP EDGES.

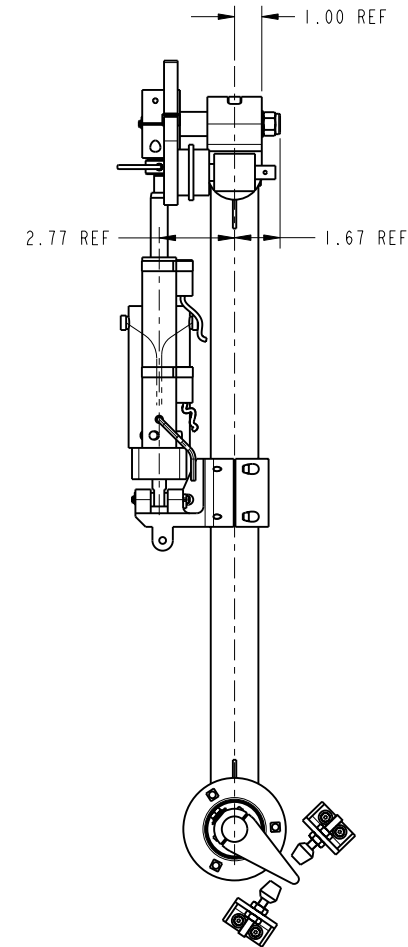
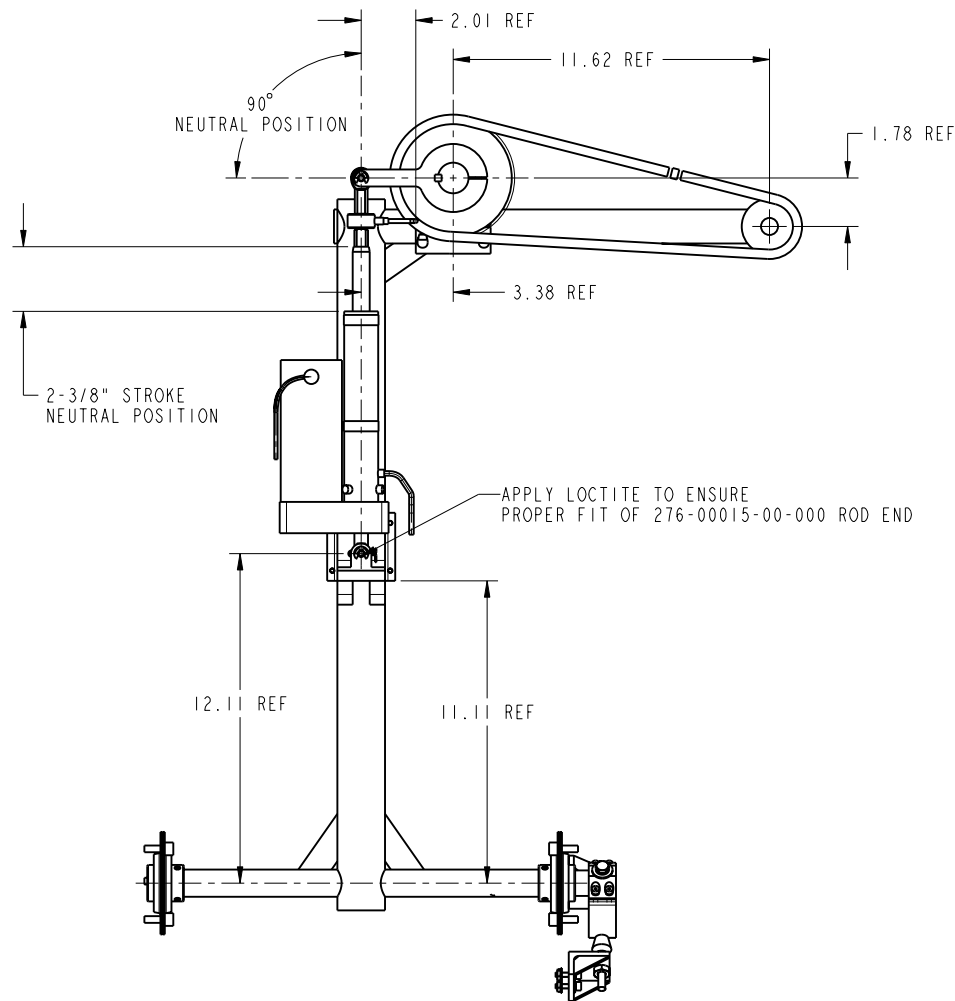


DETAIL C  
SCALE 1.000


BALLOONS SHOWN ON THIS PAGE REFER TO ITEMS WHICH APPEAR ON THE PARTS LIST STARTING ON PAGE 1.

FINISH -		CAD GENERATED DRAWING DO NOT UPDATE MANUALLY		CLIENT <b>MECHTRONIX</b>	
THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO MECHTRONIX SYSTEMS INC. NEITHER THIS DOCUMENT NOR THE INFORMATIONS HEREIN SHALL BE USED, DUPLICATED COMMUNICATED BY ANY MEANS TO ANY THIRD PARTY, IN WHOLE OR IN PART EXCEPT WITH THE PRIOR WRITTEN CONSENT OF MECHTRONIX SYSTEMS INC. THIS RESTRICTIVE LEGEND SHALL NOT BE ALTERED OR OBLITERATED OR DELETED FROM THIS DOCUMENT.		TOLERANCES ARE: FRACTIONS LINEAR $\pm 1/64$ ANGLE XXX $\pm 0.020$ XXX $\pm 0.030$ XXX $\pm 0.005$ XXX $\pm 0.0005$		PROJECT <b>ASCENT</b>	
		CREATED ON <b>2004-11-18</b>		TITLE <b>AILERON CONTROL ASSEMBLY - ELECTRIC - B200, PILOT SIDE</b>	
		DRAFTER <b>S.MANCINI</b>		SIZE BASED ON <b>C</b>	
		DESIGNER <b>S.MANCINI</b>		DWG NO <b>MA -69311-01-001</b>	
THIRD ANGLE PROJECTION		APPROVER		SCALE <b>N/A</b>	
LAST UPDATED <b>2004-12-01</b>		PROJECT NO <b>-</b>		DWG FILE <b>69311-01 001</b>	
SHEET <b>5 OF 7</b>					

- NOTES:
1. SURFACE ROUGHNESS  $\sqrt{63}$  UNLESS OTHERWISE SPECIFIED.
  2. REMOVE ALL BURRS AND BREAK SHARP EDGES.

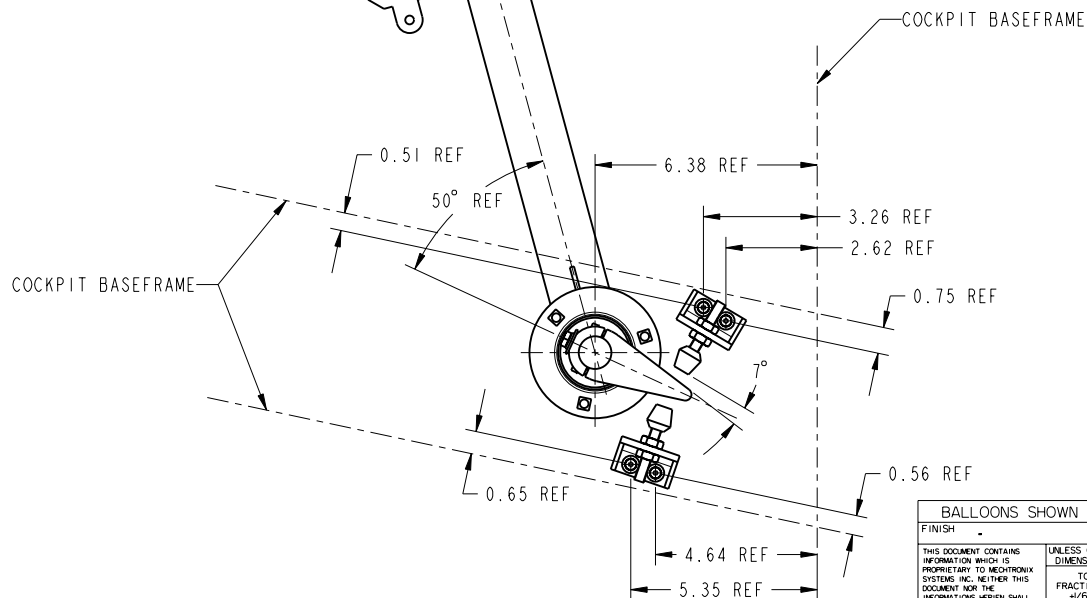
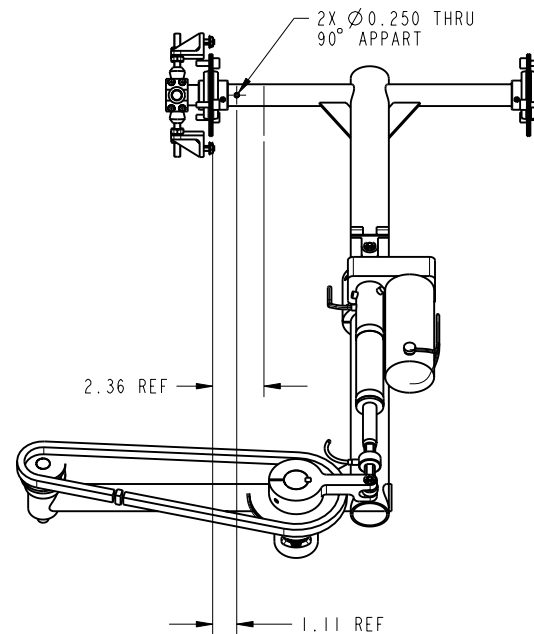


Balloons shown on this page refer to items which appear on the parts list starting on page 1.


FINISH -		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CAD GENERATED DRAWING DO NOT UPDATE MANUALLY		CLIENT MECHTRONIX	
<p>THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO MECHTRONIX SYSTEMS INC. NEITHER THIS DOCUMENT NOR THE INFORMATION HEREIN SHALL BE USED, COPIED, REPRODUCED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE PRIOR WRITTEN CONSENT OF MECHTRONIX SYSTEMS INC. THIS RESTRICTIVE LEGEND SHALL NOT BE ALTERED OR OBLITERATED OR FROM THIS DOCUMENT.</p> <p>THIRD ANGLE PROJECTION</p> 		TOLERANCES ARE:		CREATED ON 2004-11-18		PROJECT ASCENT	
		FRACTIONS LINEAR		DRAFTER S.MANCINI		TITLE AILERON CONTROL ASSEMBLY - ELECTRIC - B200, PILOT SIDE	
		ANGLE 0°30' .XXX					

- NOTES:
1. SURFACE ROUGHNESS  $\sqrt{63}$  UNLESS OTHERWISE SPECIFIED.
  2. REMOVE ALL BURRS AND BREAK SHARP EDGES.

REV	VIEW	DESCRIPTION	DATE	BY
-	-	-	-	-



BALLOONS SHOWN ON THIS PAGE REFER TO ITEMS WHICH APPEAR ON THE PARTS LIST STARTING ON PAGE 1.

FINISH -											CLIENT	
THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO MECHTRONIX SYSTEMS INC. NEITHER THIS DOCUMENT NOR THE INFORMATION HEREIN SHALL BE USED, DUPLICATED, REPRODUCED, COPIED, OR IN ANY MANNER COMMUNICATED BY ANY MEANS TO ANY THIRD PARTY, IN WHOLE OR IN PART EXCEPT WITH THE PRIOR WRITTEN CONSENT OF MECHTRONIX SYSTEMS INC. THIS RESTRICTIVE LEGEND SHALL NOT BE ALTERED OR OBLITERATED ON OR FROM THIS DOCUMENT.											MECHTRONIX	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES											PROJECT	
TOLERANCES ARE: FRACTIONS $\pm 1/64$ LINEAR .XX $\pm 0.020$ XXX $\pm 0.005$ ANGLE 0°30' .XXXX $\pm 0.0005$											ASCENT	
CAD GENERATED DRAWING DO NOT UPDATE MANUALLY												
CREATED ON 2004-11-18												
DRAFTER S.MANCINI											TITLE	
DESIGNER S.MANCINI											AILERON CONTROL ASSEMBLY - ELECTRIC - B200, PILOT SIDE	
APPROVER											SIZE	
LAST UPDATED 2004-12-01											C	
PROJECT NO -											SCALE N/A	
THIRD ANGLE PROJECTION											DWG NO	
											MA -69311-01-001	
											DWG FILE	
											69311-01 001	
											SHEET	
											7 OF 7	