



CLIENT	MECHTRONIX	
PROJECT	ASCENT	CAD GENERATED DRAWING DO NOT UPDATE MANUALLY
CREATED ON	2004-11-18	

PARTS LIST

DRAFTER	S.MANCINI	TITLE			RUDDER PEDAL ASSEMBLY - ELECTRIC - B200, PILOT SIDE
DESIGNER	S.MANCINI	SIZE	BASED ON	DWG NO	MA -68956-01-001
APPROVER		C	-		
LAST UPDATED	2004-12-01	SCALE	N/A	DWG FILE	68956-01 001
PROJECT NO	-			SHEET	1 OF 4

ITEM	QTY	PART # / ID	TITLE / DESCRIPTION
1	1	WD -68956-01-001	RUDDER PEDAL ASSEMBLY - ELECTRIC - B200, PILOT SIDE - WIRING DIAGRAM
2	2	WA -69340-00-001	STOPPER BRACKET WELDED ASSY
3	1	WA -69309-00-001	WELDED MOUNTING BRACKET ASSEMBLY
4	1	MA -52378-00-002	B200 BRAKE ASSEMBLY
5	2	MA -50510-00-001	SHORT TUBE ASSEMBLY
6	1	MA -50505-05-001	B200 RUDDER PEDAL ASSEMBLY, PILOT SIDE
7	1	FP -69314-00-001	LINEAR ACTUATOR NOSE PIN
8	2	FP -69286-01-001	DELFIN WASHER
9	2	FP -69286-00-001	DELFIN WASHER
10	1	FP -69284-00-001	RUDDER CYLINDER BASE MOUNTING CLEVIS
11	1	FP -69283-00-001	RUDDER NOSE MOUNTING CLEVIS
12	1	FP -69281-00-001	LINEAR ACTUATOR BASE PIN
13	1	FP -51284-00-001	CLEVIS BRACKET SHAFT
14	1	FP -51283-00-001	CLEVIS BRACKET
15	1	FP -50530-00-002	BELL CRANK BRACKET
16	2	FP -50529-00-001	BELL CRANK SPACER
17	1	FP -50528-01-001	BELL CRANK
18	1	276-00015-00-000	ACTUATOR WITH 48V MOTOR, SINGLE SHAFT, 4" STROKE, 3:1
19	1	260-00012-00-000	500 LB. LOAD CELL
20	2	218-00001-00-000	STOPPER, 5/16-18 X 2-1/4, FLAT-TIPPED BONDED CAP
21	1	216-00008-00-000	ROD END, 1/4" BORE, 1/4-28 FEMALE, RIGHT HAND
22	2	212-00001-00-000	SINGLE ROW BALL BEARING, 1/4" ID, 3/4" OD, 9/32" WIDE, 2 SEALS
23	4	184-00024-00-000	R-RING, 0.250" SHAFT, R1000
24	2	184-00006-00-000	R-RING, 0.250" SHAFT, R3100
25	3	181-00006-00-000	SHOULDER SCREW, DIA 1/4 X 3/4
26	14	168-00007-00-000	LOCK WASHER, 1/4", ZINC PLATED
27	14	167-00006-00-000	FLAT WASHER, 1/4", SAE, ZINC PLATED
28	2	163-00052-00-000	HEX SOCKET CAP SCREW, 1/2-20 x 1", BLACK ZINC
29	2	163-00044-00-000	HEX SOCKET CAP SCREW, 1/4-20 x 1-1/4", BLACK ZINC
30	12	163-00043-00-000	HEX SOCKET CAP SCREW, 1/4-20 x 1", BLACK ZINC
31	4	163-00004-00-000	HEX SOCKET CAP SCREW, #10-32 x 3/4", BLACK ZINC
32	4	162-00014-00-000	HEX NUT, 5/16-18, ZINC PLATED

NOTES:

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

SEE DETAIL B

18

APPLY LOCKTITE TO
ENSURE PROPER FIT OF
276-00015-00-000 ROD END

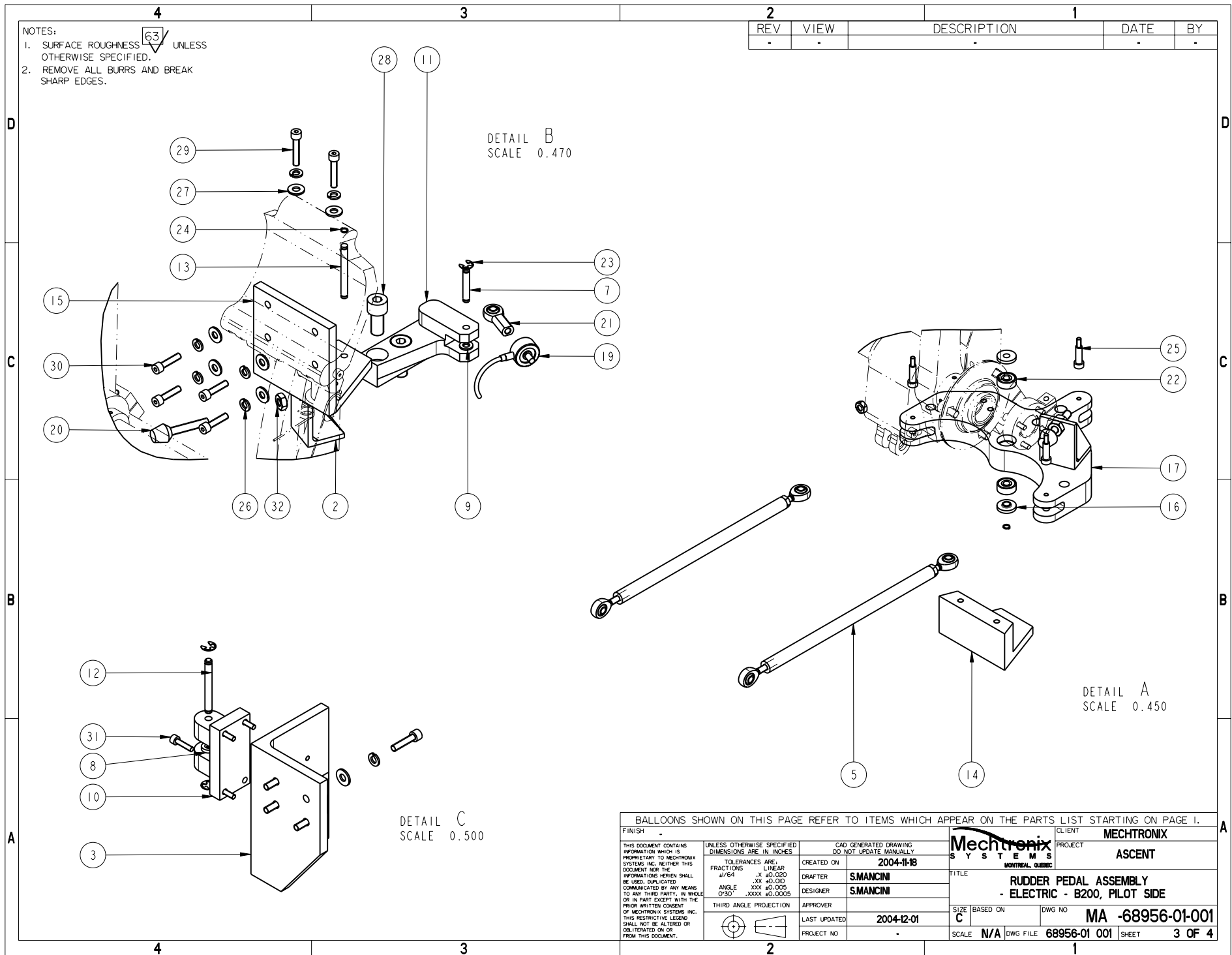
SEE DETAIL A

SEE DETAIL C

TAB	BASED ON	DESCRIPTION	DATE	BY
-01	MA -68956-00-001	PREVISIONS FOR PILOT SIDE RUDDER ONLY	2004/11/19	SM

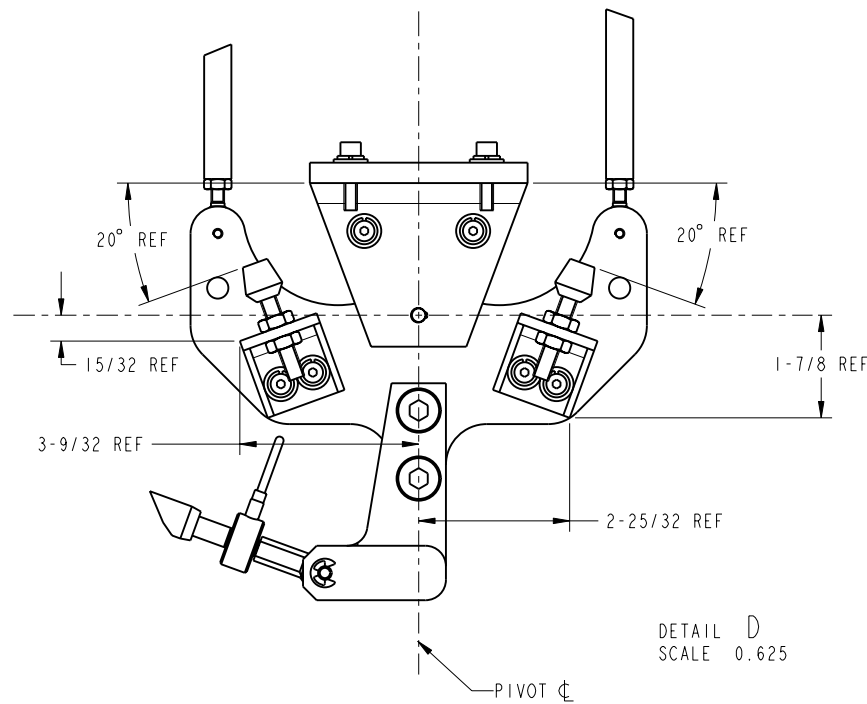
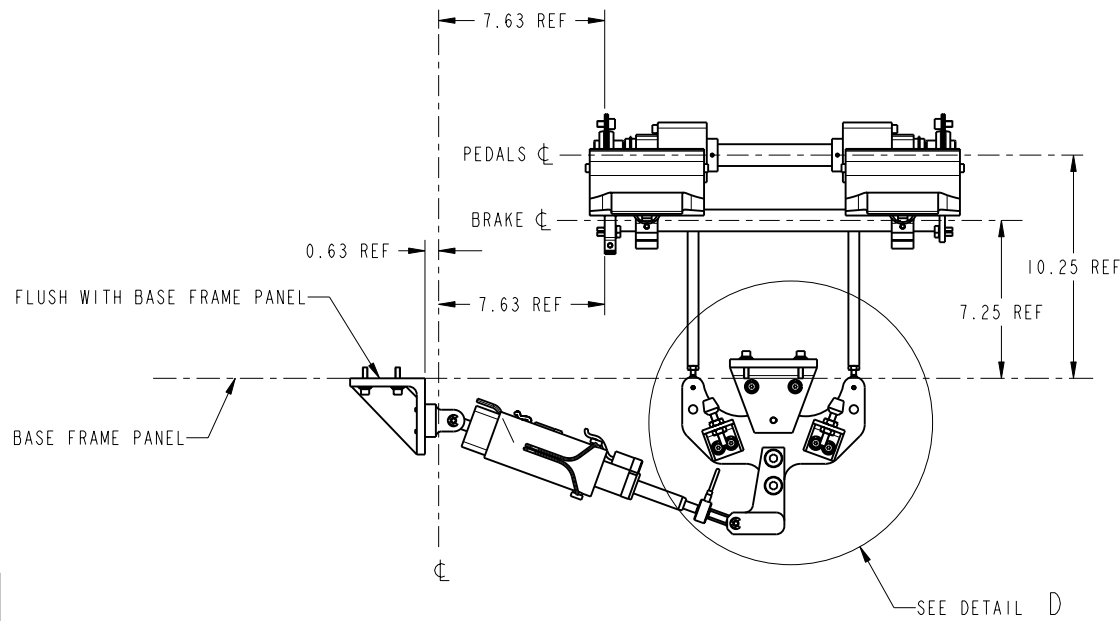
BALLOONS SHOWN ON THIS PAGE REFER TO ITEMS WHICH APPEAR ON THE PARTS LIST STARTING ON PAGE 1.

FINISH -		CAD GENERATED DRAWING DO NOT UPDATE MANUALLY		CLIENT MECHTRONIX
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THIRD ANGLE PROJECTION		CREATED ON 2004-11-18	DRAFTER S.MANCINI	TITLE RUDDER PEDAL ASSEMBLY - ELECTRIC - B200, PILOT SIDE
		DESIGNER S.MANCINI	APPROVER	SIZE BASED ON C
		LAST UPDATED 2004-12-01	DWG NO MA -68956-01-001	SCALE N/A
		PROJECT NO -	DWG FILE 68956-01 001	SHEET 2 OF 4



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

REV	VIEW	DESCRIPTION	DATE	BY
-	-	-	-	-



DETAIL D
SCALE 0.625

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

FINISH	-	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 OR DELETED FROM THIS DOCUMENT.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	FRACTIONS TOLERANCES ARE: LINEAR ±1/64 X ±0.020 XX ±0.010 XXX ±0.005 XXXX ±0.0005	THIRD ANGLE PROJECTION	CAD GENERATED DRAWING DO NOT UPDATE MANUALLY	CREATED ON 2004-11-18	DRAFTER S.MANCINI	DESIGNER S.MANCINI	APPROVER	LAST UPDATED 2004-12-01	PROJECT NO -	MECHTRONIX SYSTEMS MONTREAL, QUEBEC	CLIENT MECHTRONIX	PROJECT ASCENT	TITLE RUDDER PEDAL ASSEMBLY - ELECTRIC - B200, PILOT SIDE	SIZE C	BASED ON	DWG NO MA -68956-01-001	SCALE N/A	DWG FILE 68956-01 001	SHEET 4 OF 4
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