

SL8 Mechanical

6-15-01
Rev 1

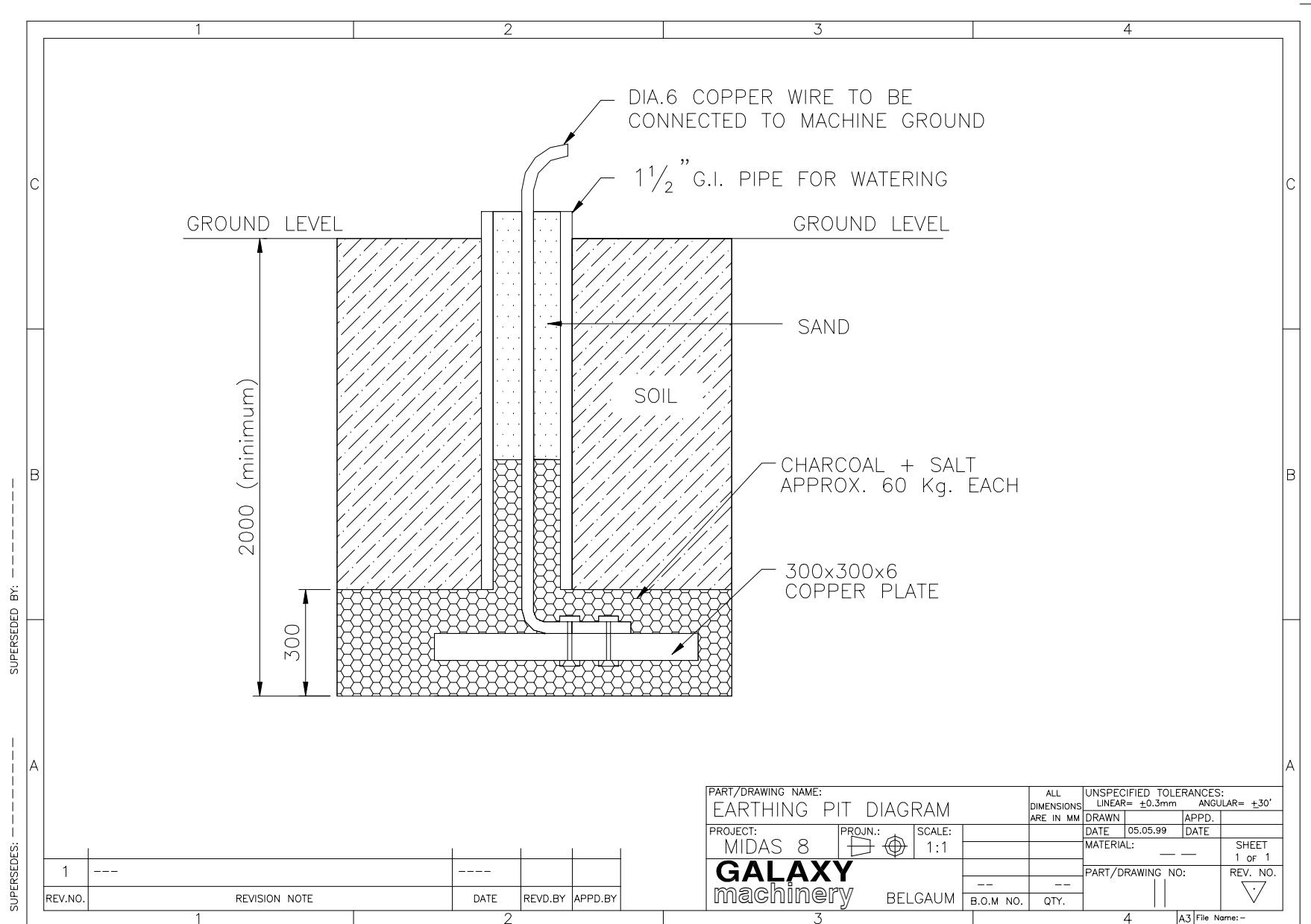
Table of Contents

Table of Contents	iii
Manual Discrepancy Sheet	1
Earthing Pit Diagram	2
Machine Layout.....	3
Base Assembly	4
Z-Axis Assembly	5
Z Limit Switch Assembly	7
X-Drive Assembly.....	9
Brake Assembly	11
Headstock Assembly.....	12
Spindle Encoder Assembly	13
Spindle Motor Assembly.....	14
Lubrication Assembly	15
Coolant Assembly	16
Main Guards Assembly	17
Power Pack Assembly.....	27
Kitagawa Chuck With Hollow Cylinder Assembly	28
Tool Probe Assembly	31
Chip Conveyor Assembly	32

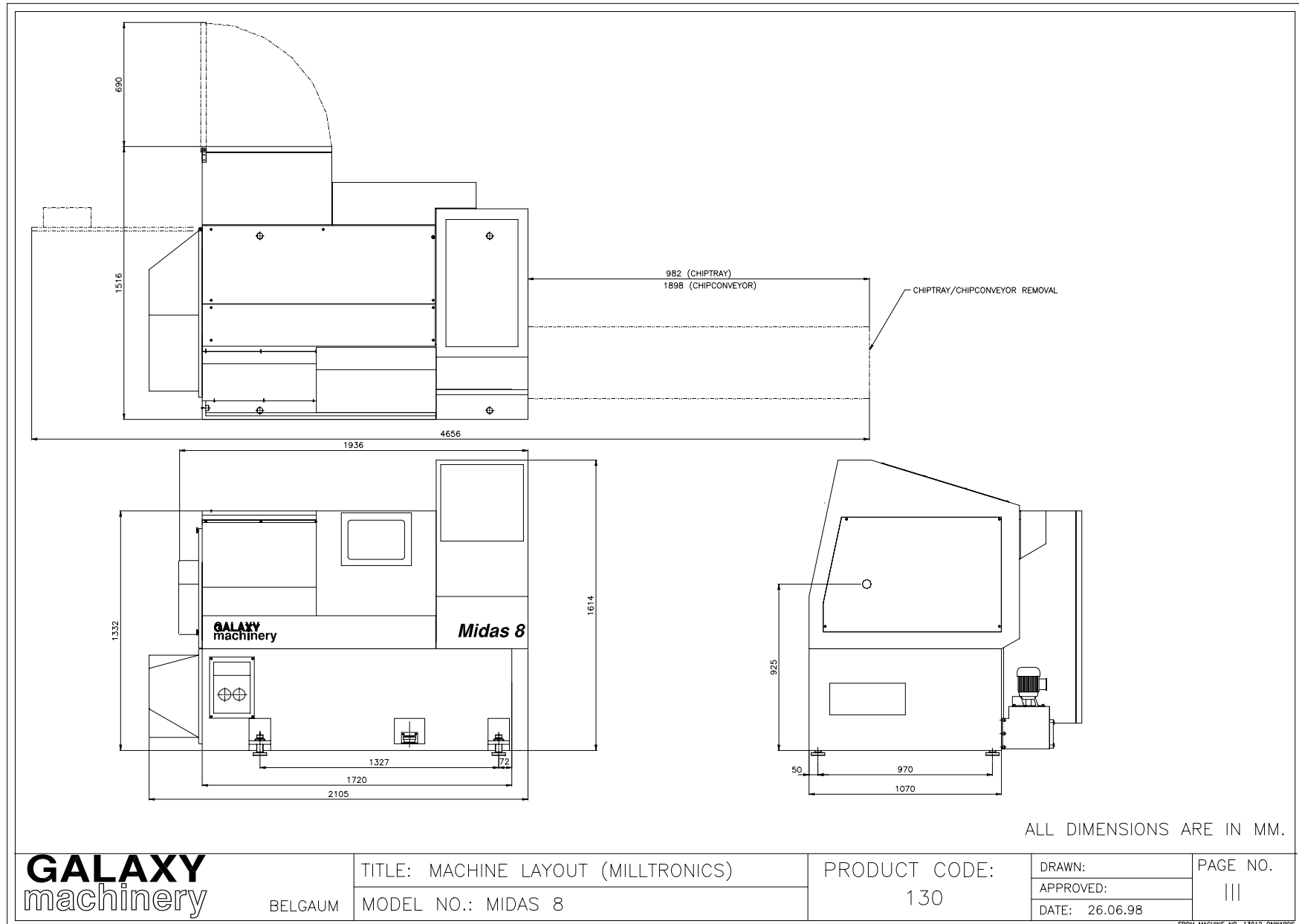
Manual Discrepancy Sheet

1.

Earthing Pit Diagram



Machine Layout



Technical Drawing: BASE ASSEMBLY (MILL.)

Views: Front View, Top View, Side View.

Parts List:

No.	Part No.	Part Name	Qty.
22	600-154	HEX. SOCKET HEAD CAP SCREW M6 X 12	2
21	132118	Z COOLANT SPLASH GUARD	1
20	701-151	GI BEND 1/2"	1
19	600-154	HEX. SOCKET HEAD CAP SCREW M6 X 12	2
18	132089	DRIP TRAY	1
17	612-497	INT. THREADED TAPER PIN DIA. 8 X 40	2
16	612-497	INT. THREADED TAPER PIN DIA. 8 X 40	2
15	608-048	SPRING WASHER B12	4
14	700-281	HEX. SOCKET PIPE PLUG 1" BSP VSTIG 1	1
13	130054	LEVEL BOLT NUT	4
12	130058	LEVEL BOLT	4
11	130059	LEVEL PAD	4
10	132144	GASKET (COOLANT TANK)	1
9	603-154	HEX. HEAD SCREW M8 X 20	10
8	132041	COOLANT TANK COVER	1
7	600-259	H.S.H.C.S M10 X 30	5
6	132022	CABINET MOUNTING FRAME	1
5	132000	BASE	1
4	600-313	H.S.H.C.S M12 X 50	4
3	132006	TAILSTOCK BED	1
2	132001	BED	1
1	600-312	H.S.H.C.S M12 X 45	8

Title Block:

PART/DRAWING NAME: BASE ASSEMBLY (MILL.)

PROJECT: GALAXY machinery

SCALE: 1:1

DATE: 05.03.91

APPD.:

SHEET 1 of 1

PART/DRAWING NO: 1

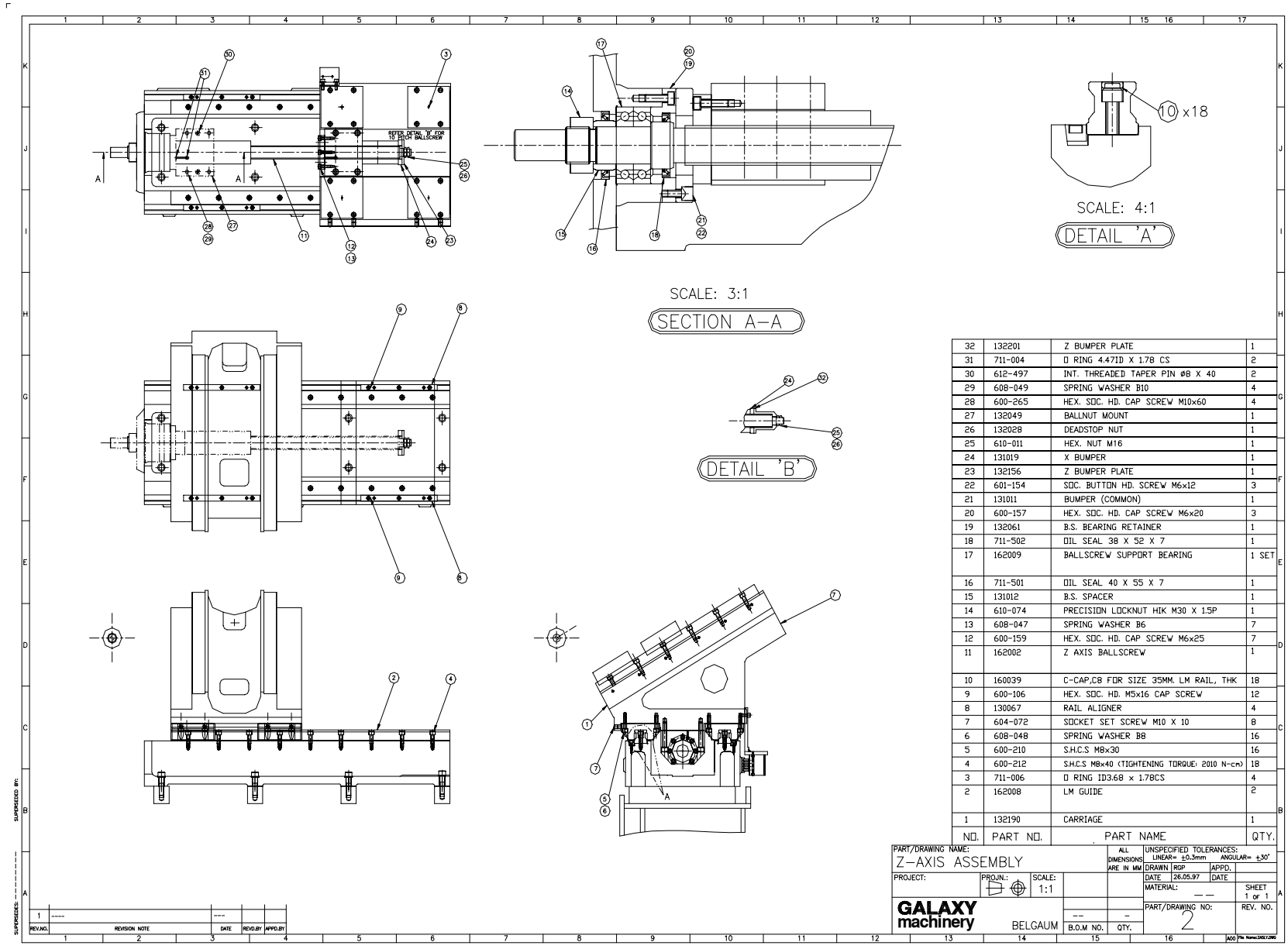
REV. NO. 1

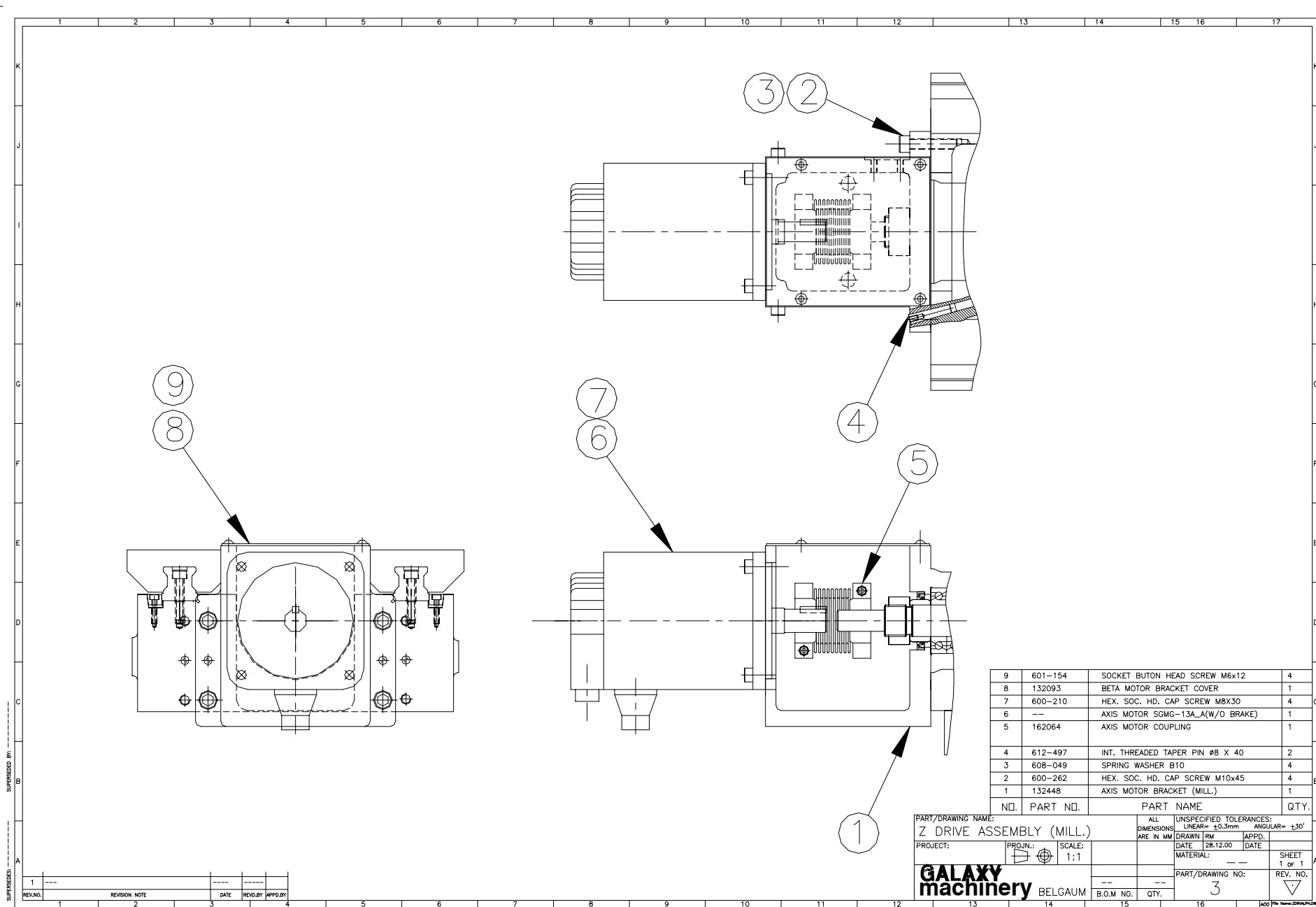
ALL DIMENSIONS ARE IN MM

UNSPECIFIED TOLERANCES: LINEAR= ±0.3mm ANGULAR= ±30'

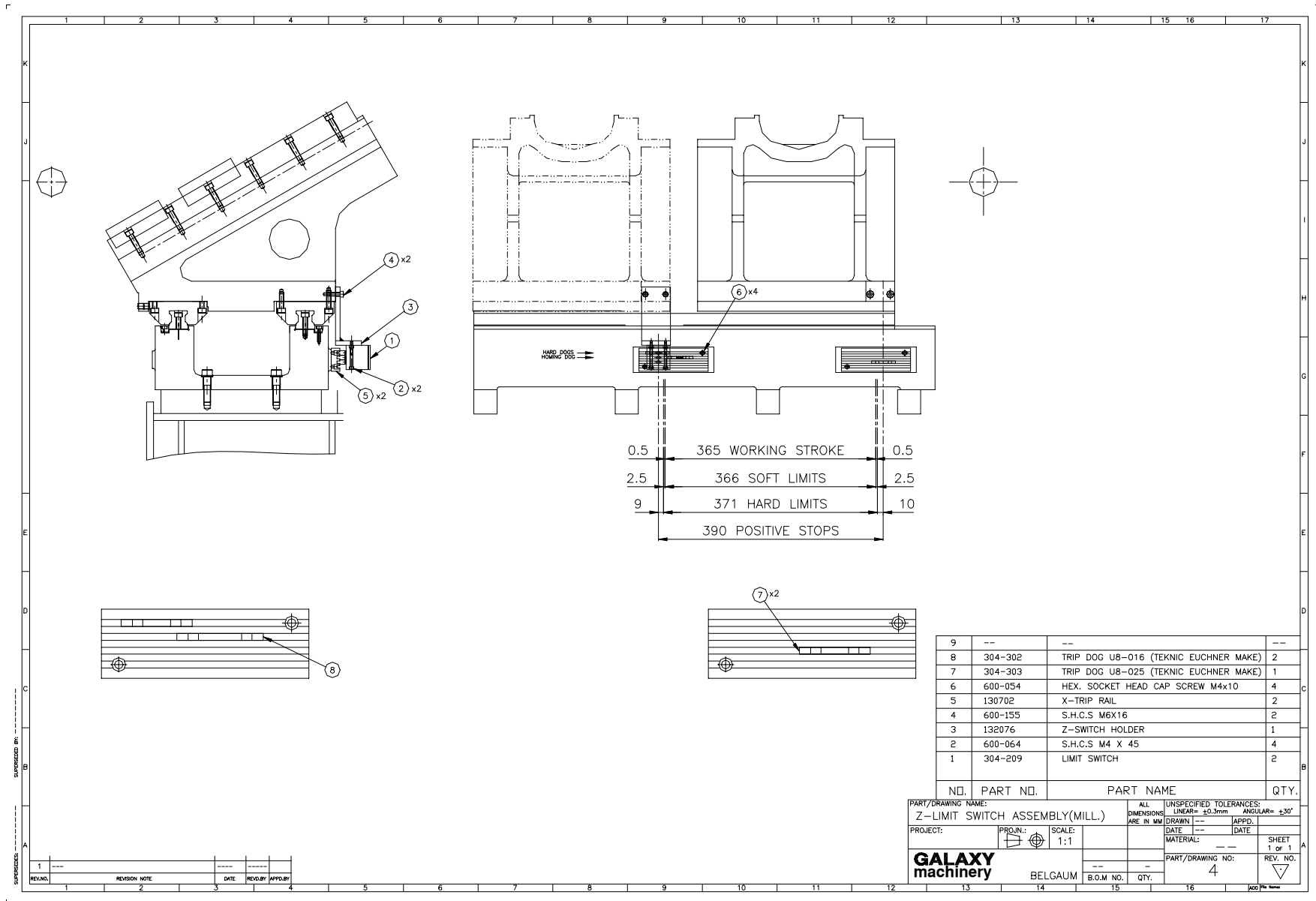
B.O.M. NO. QTY.

Z-Axis Assembly

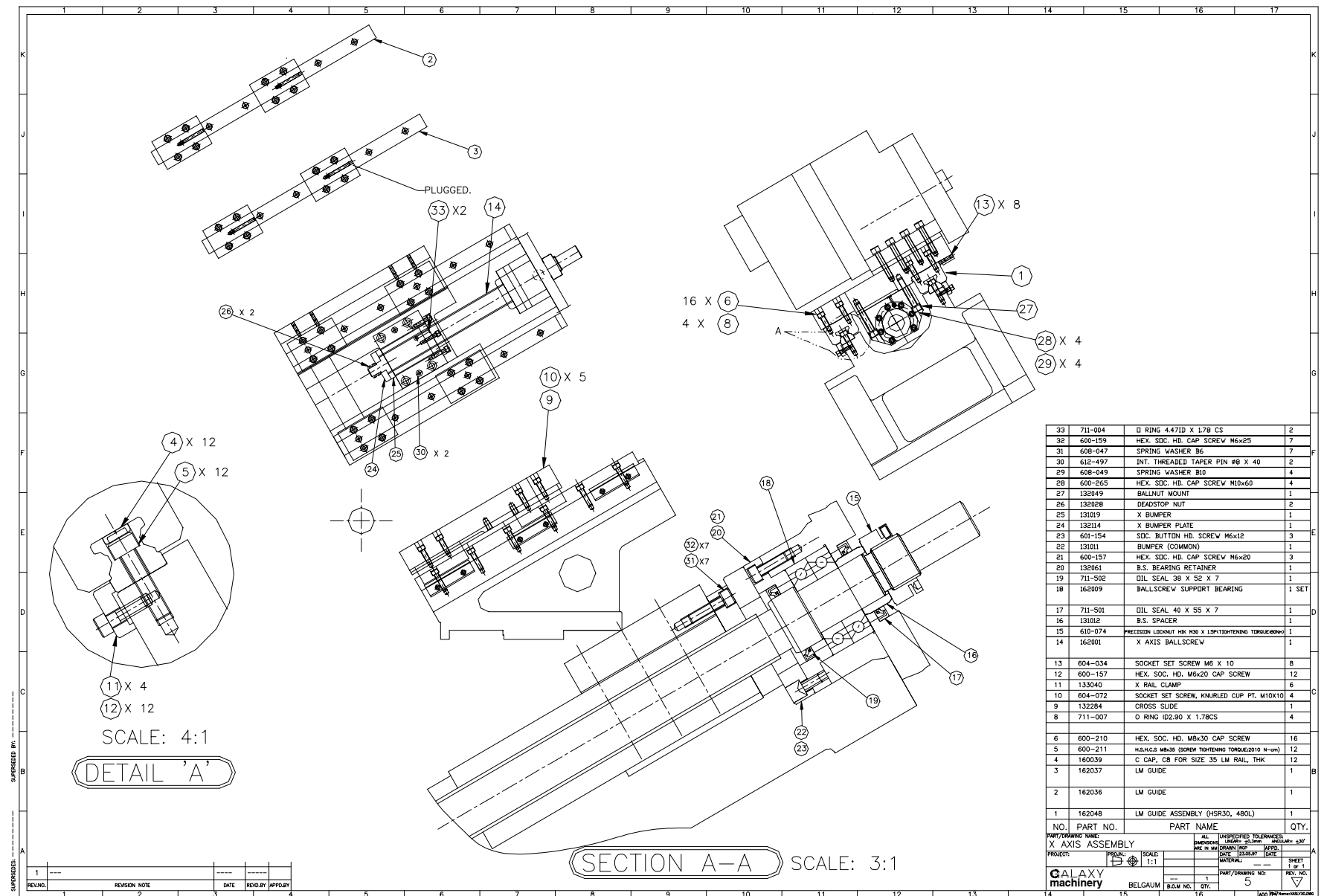




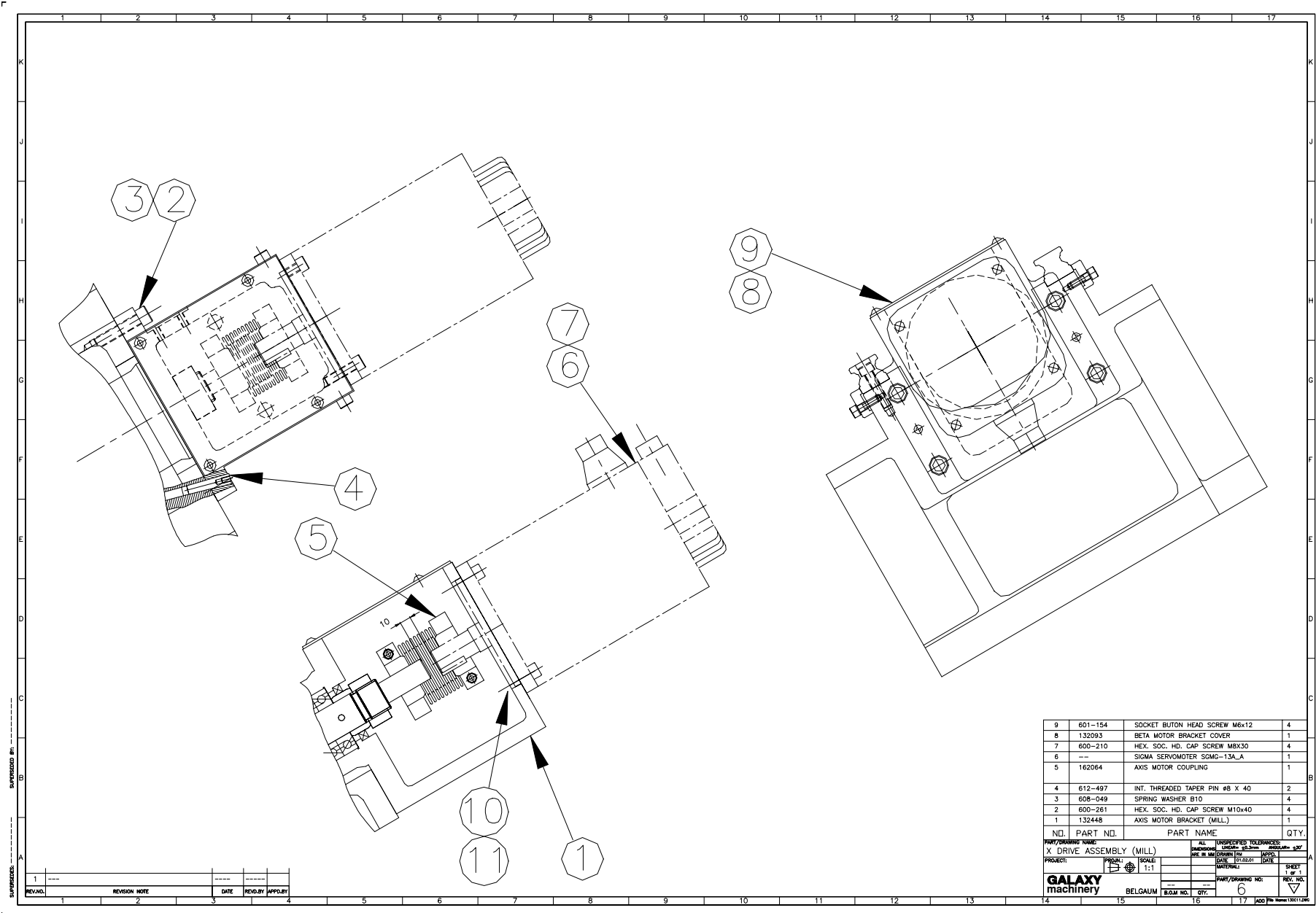
Z Limit Switch Assembly



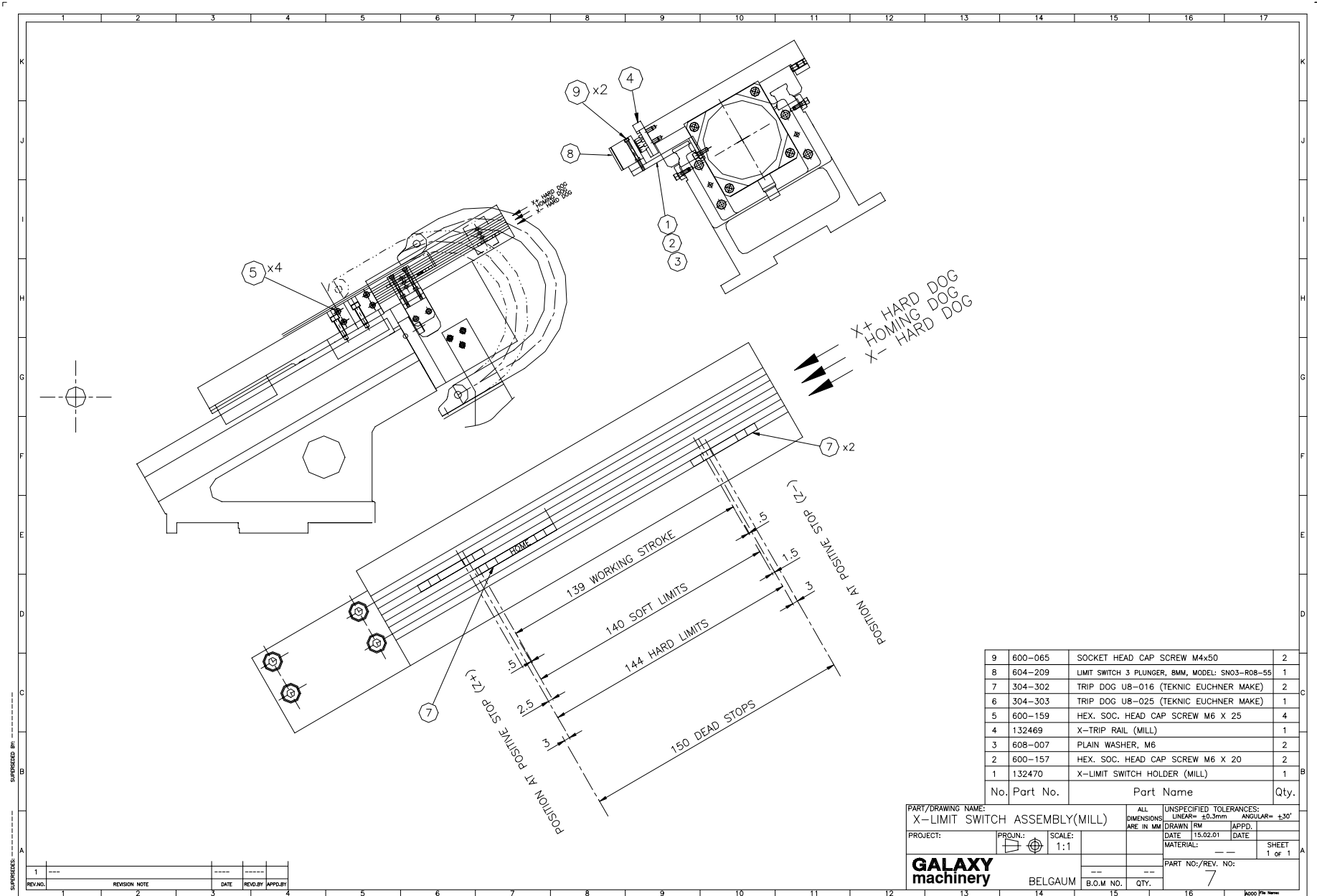
X-Axis Assembly



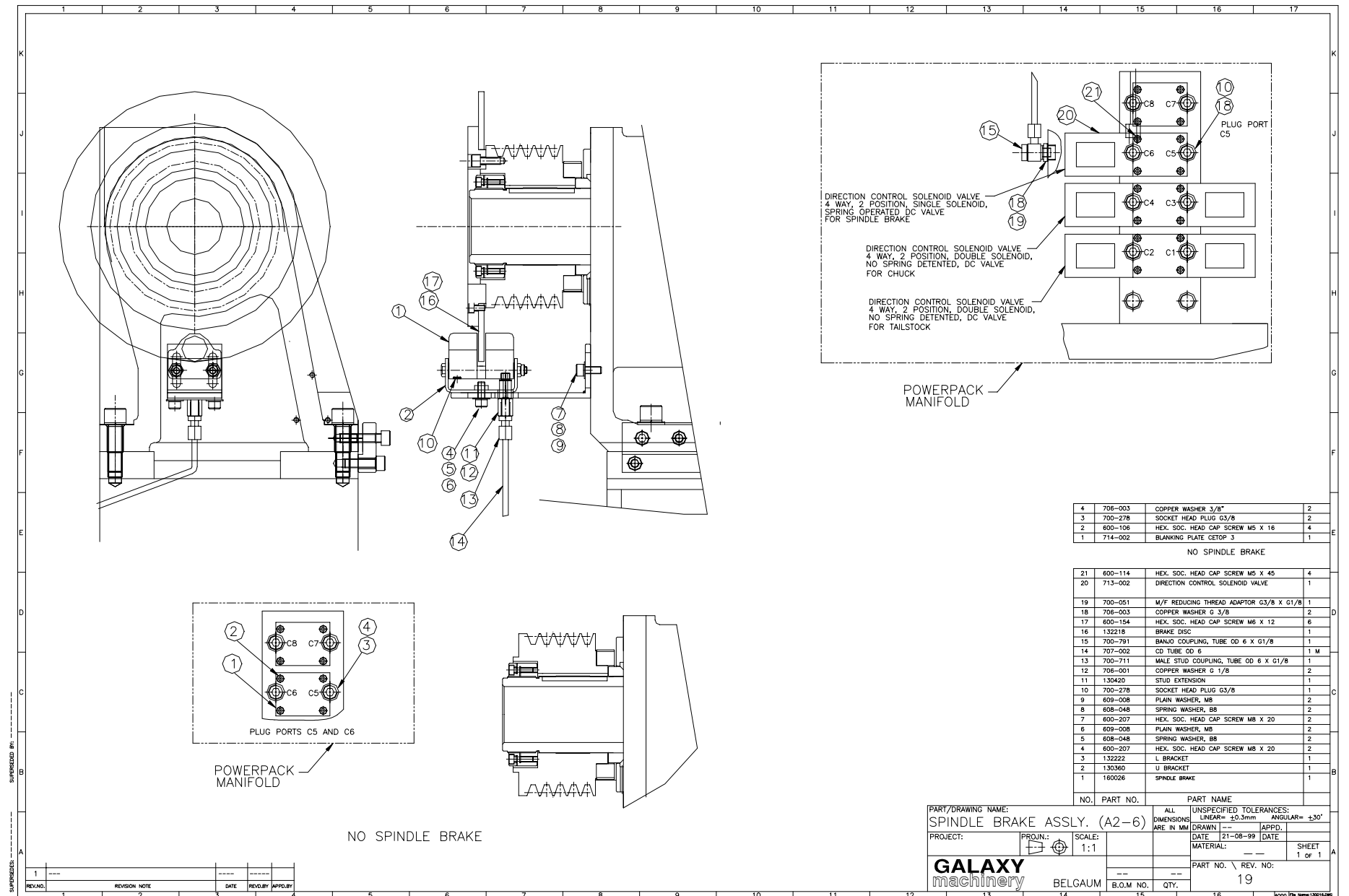
X-Drive Assembly



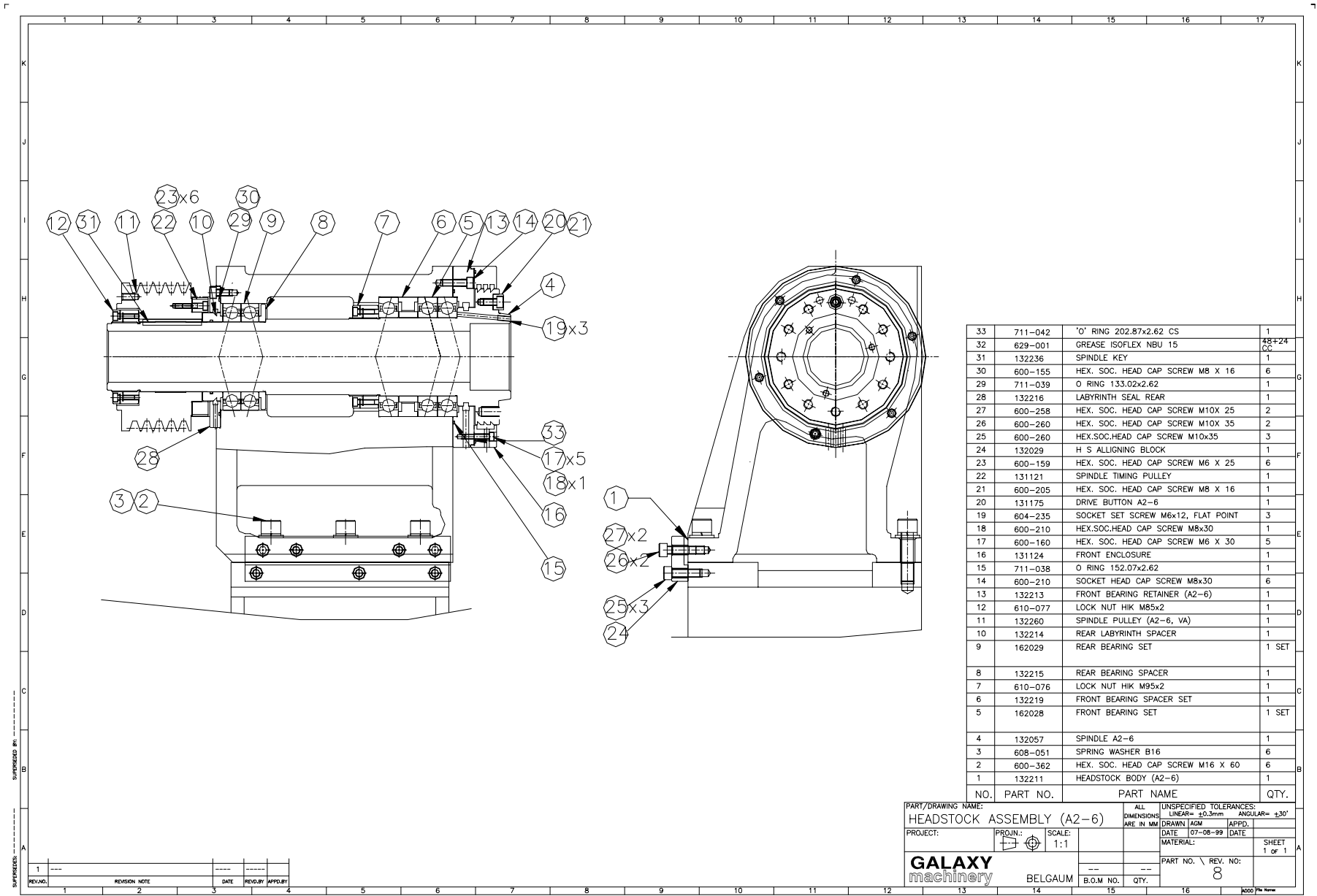
X Limit Switch Assembly



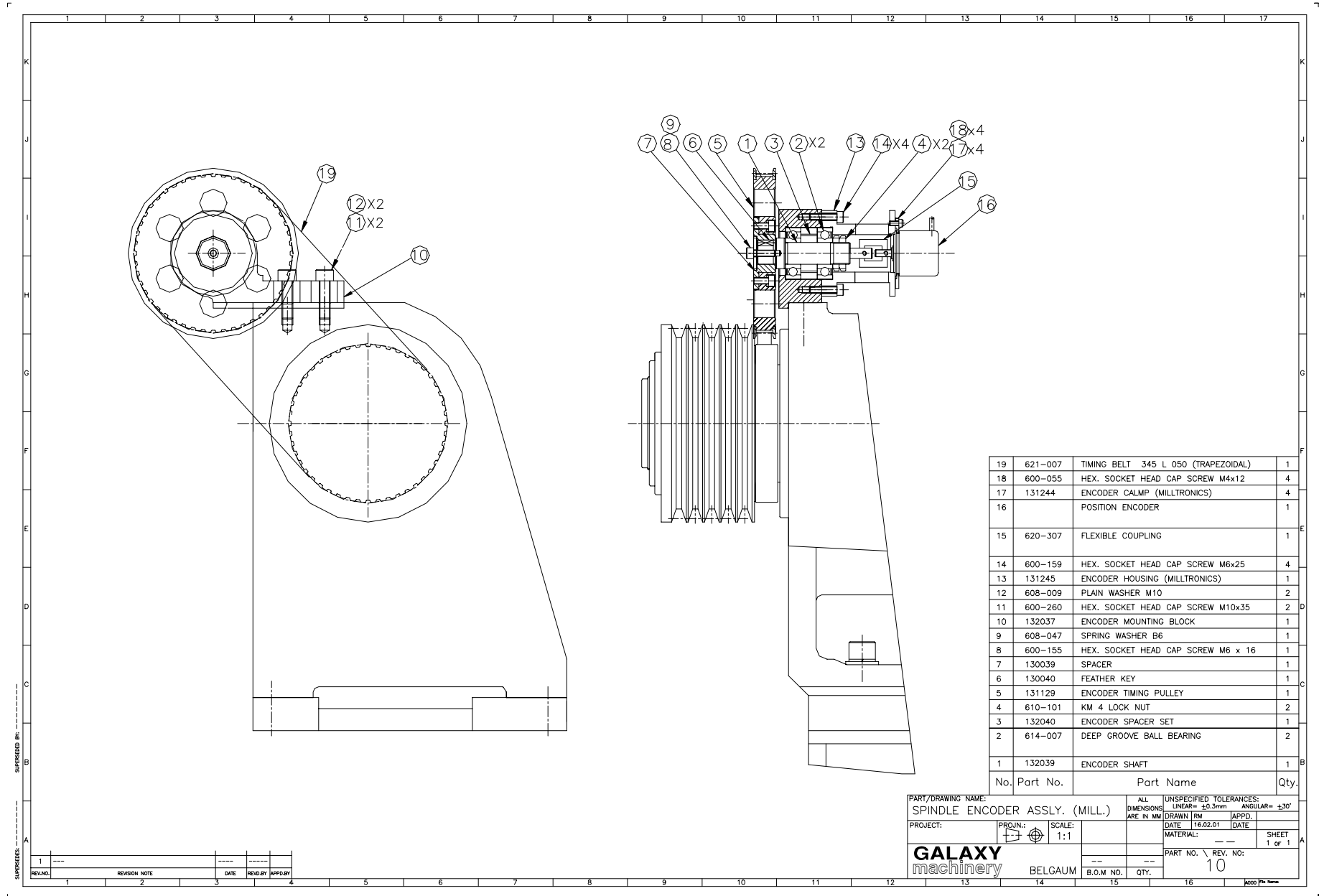
Brake Assembly



Headstock Assembly



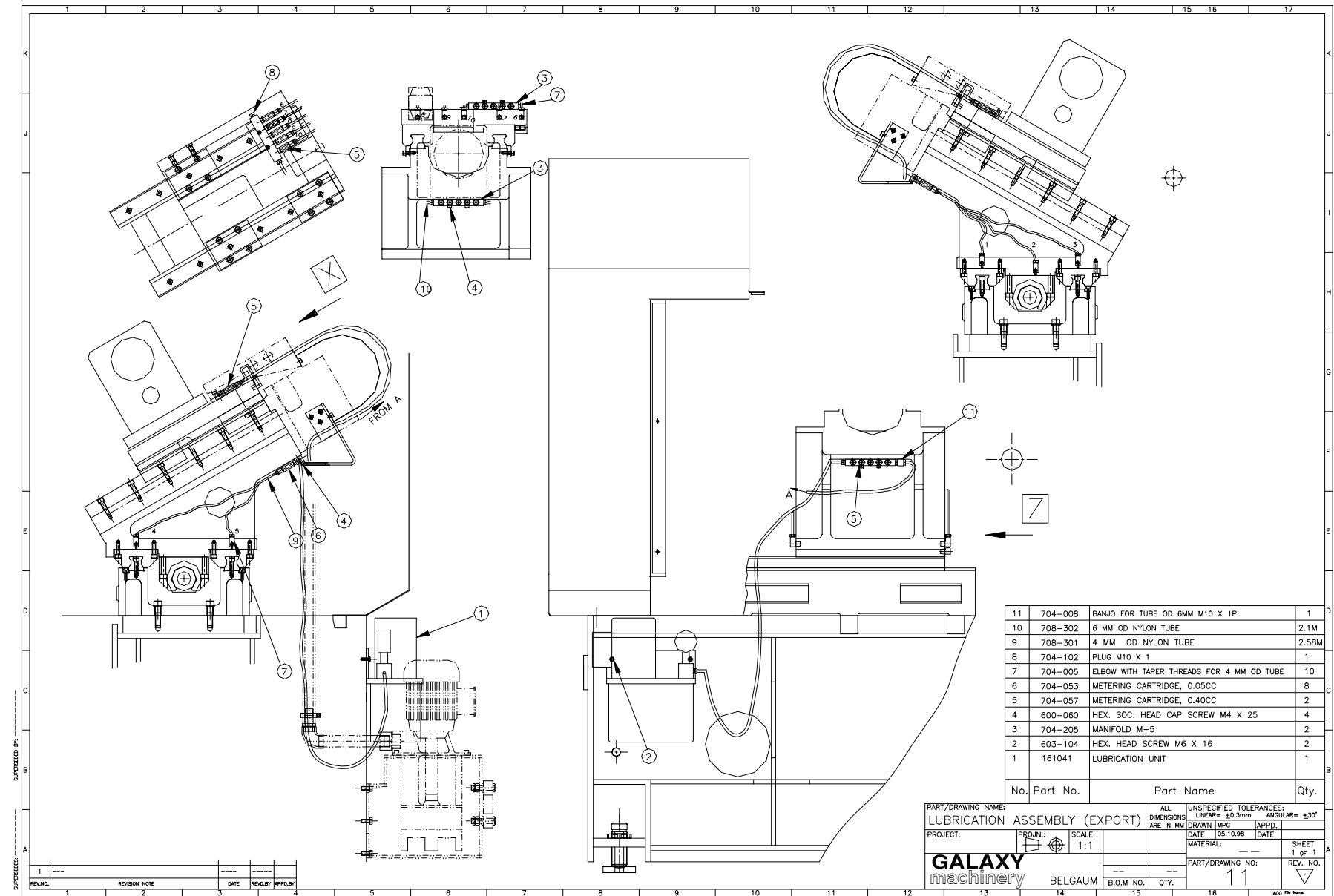
Spindle Encoder Assembly



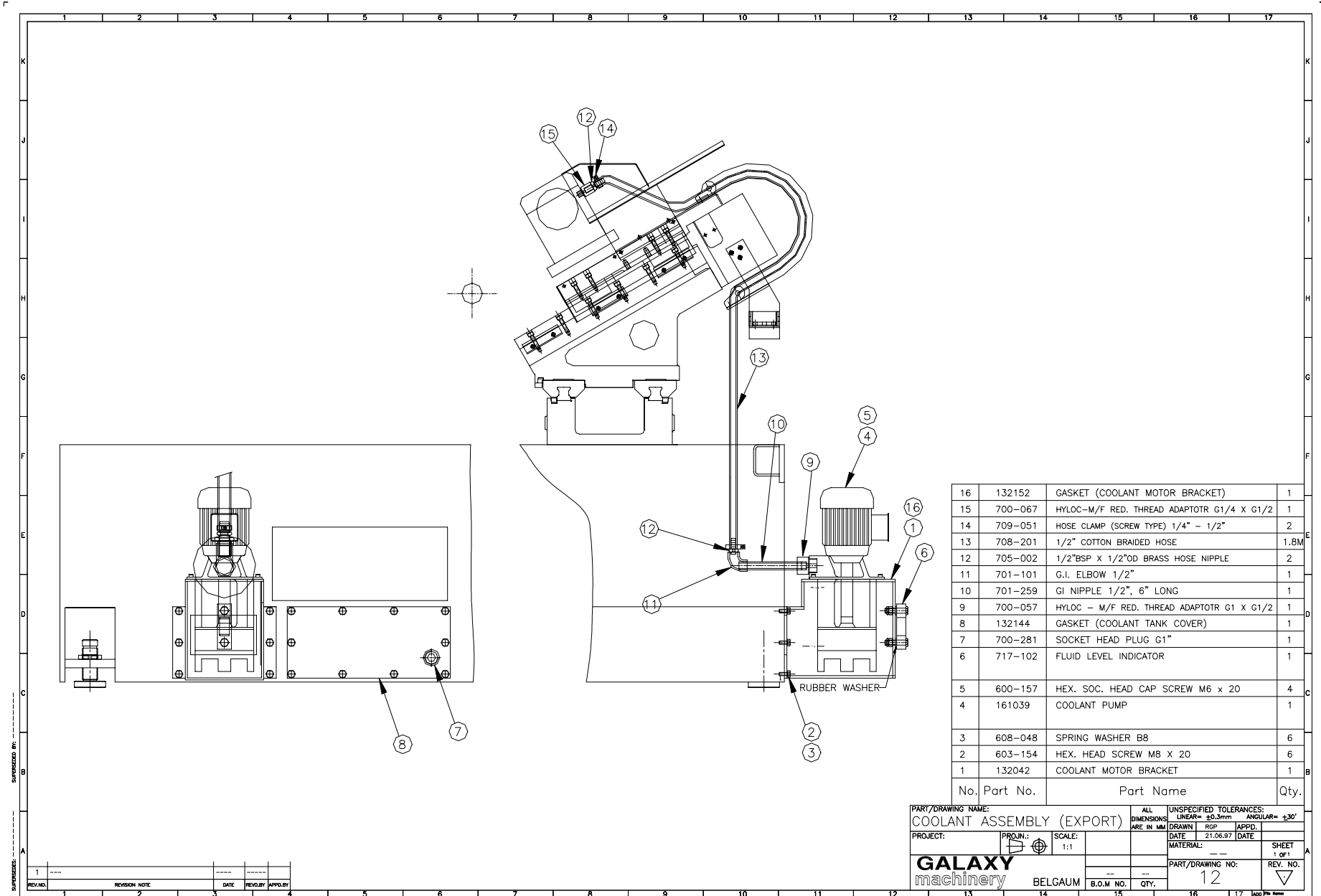
14



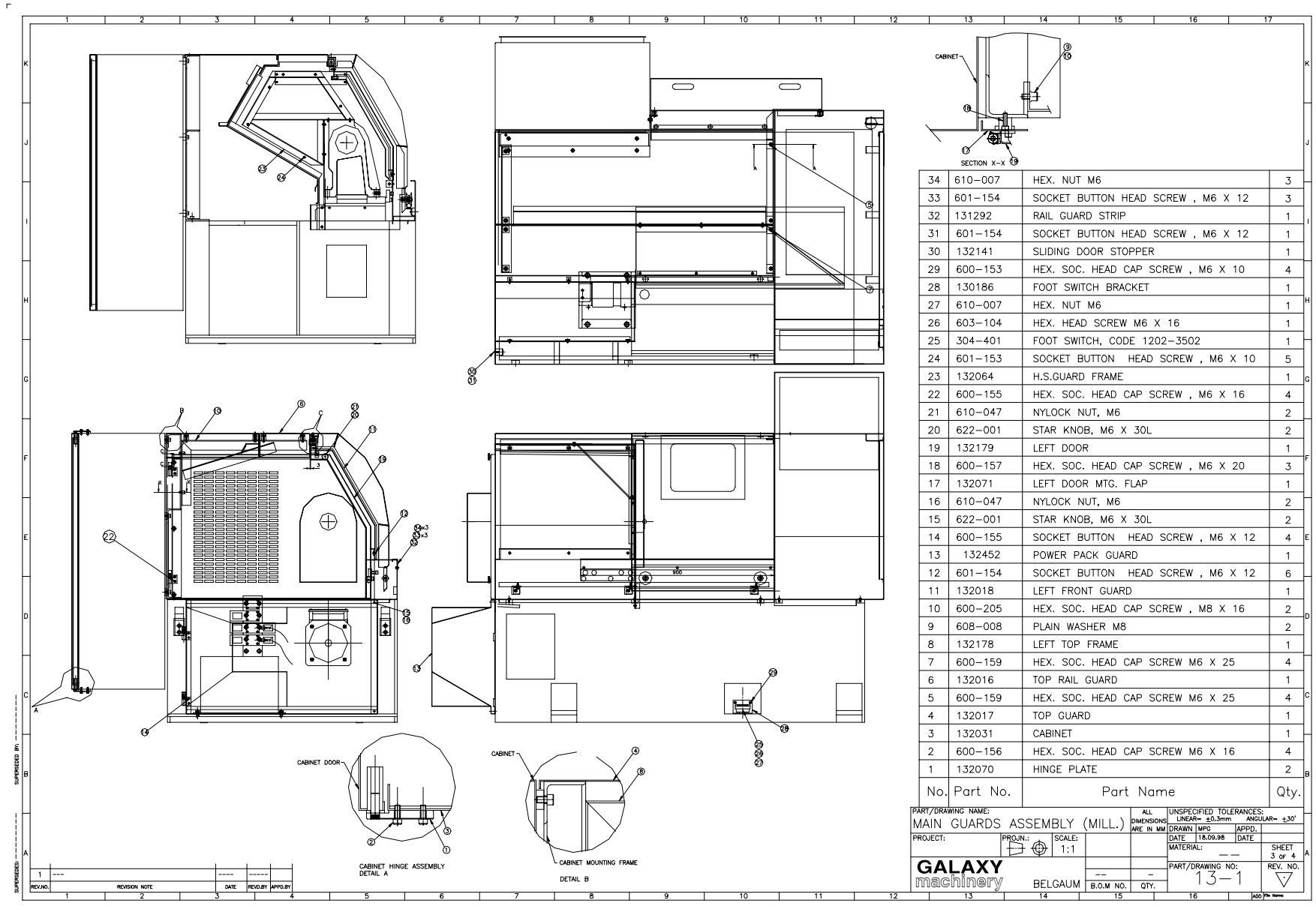
Lubrication Assembly

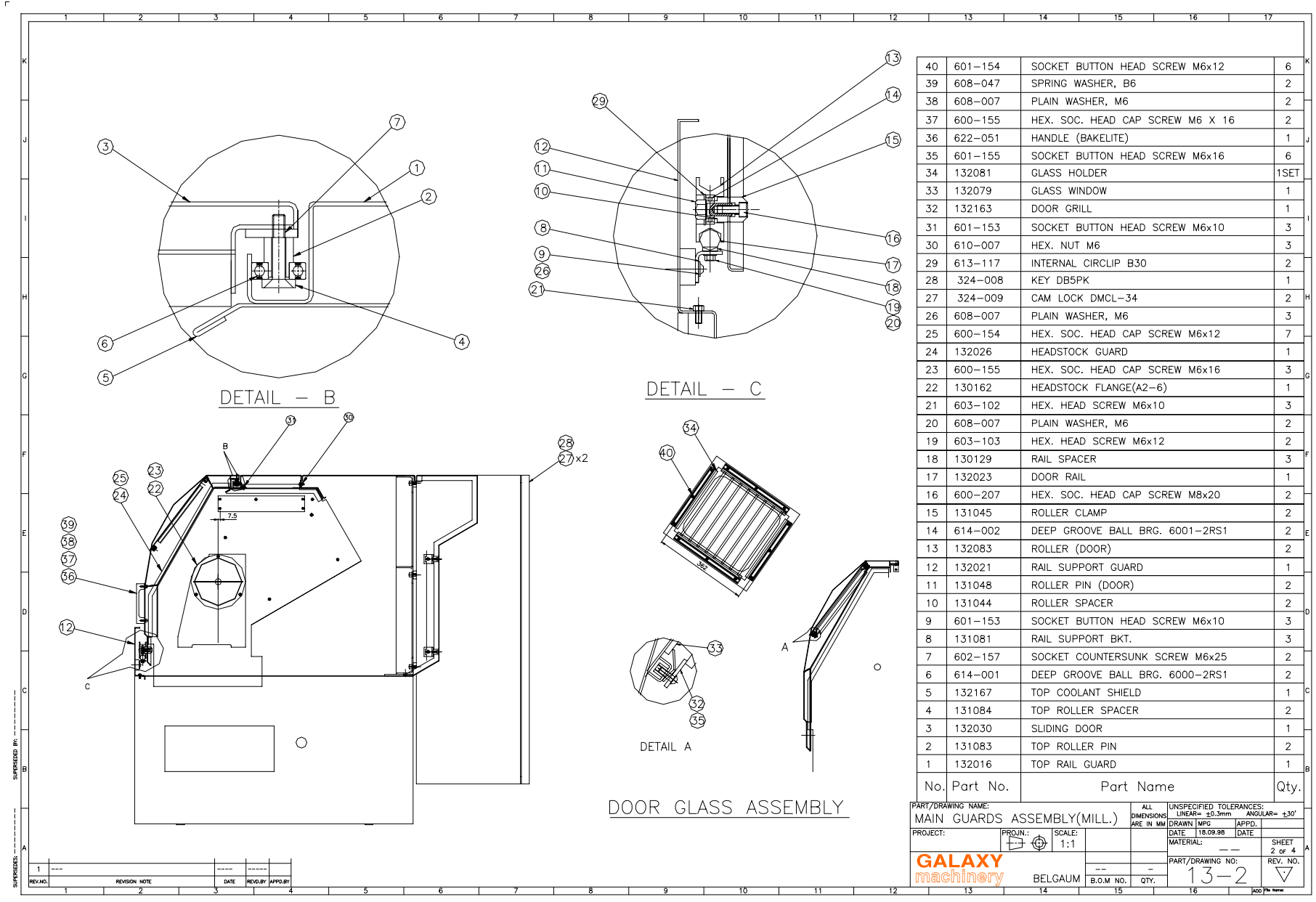


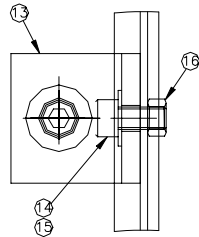
Coolant Assembly



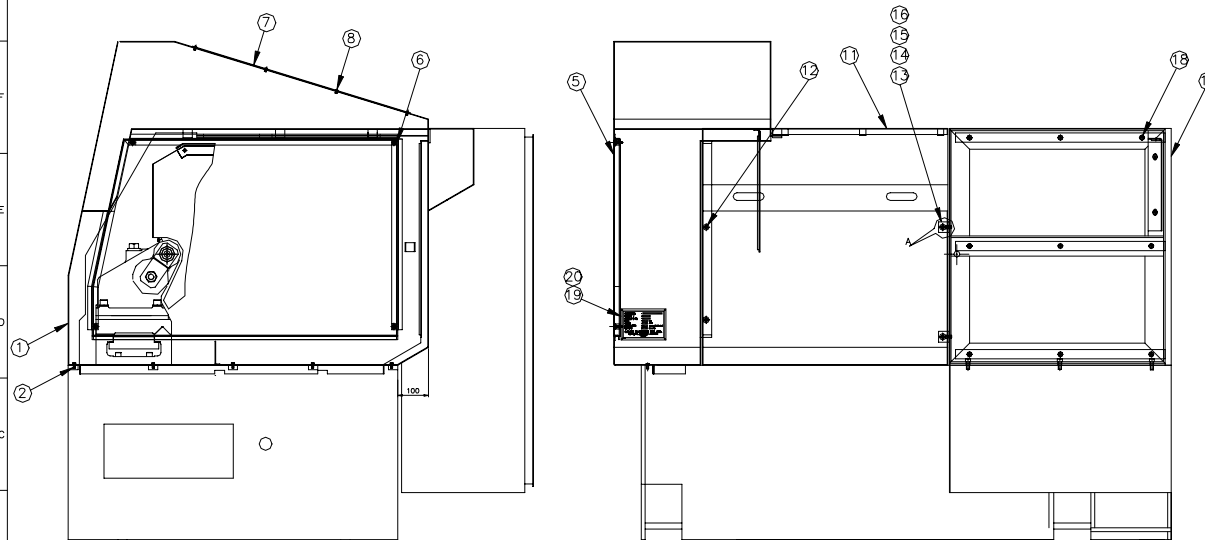
Main Guards Assembly







DETAIL - A

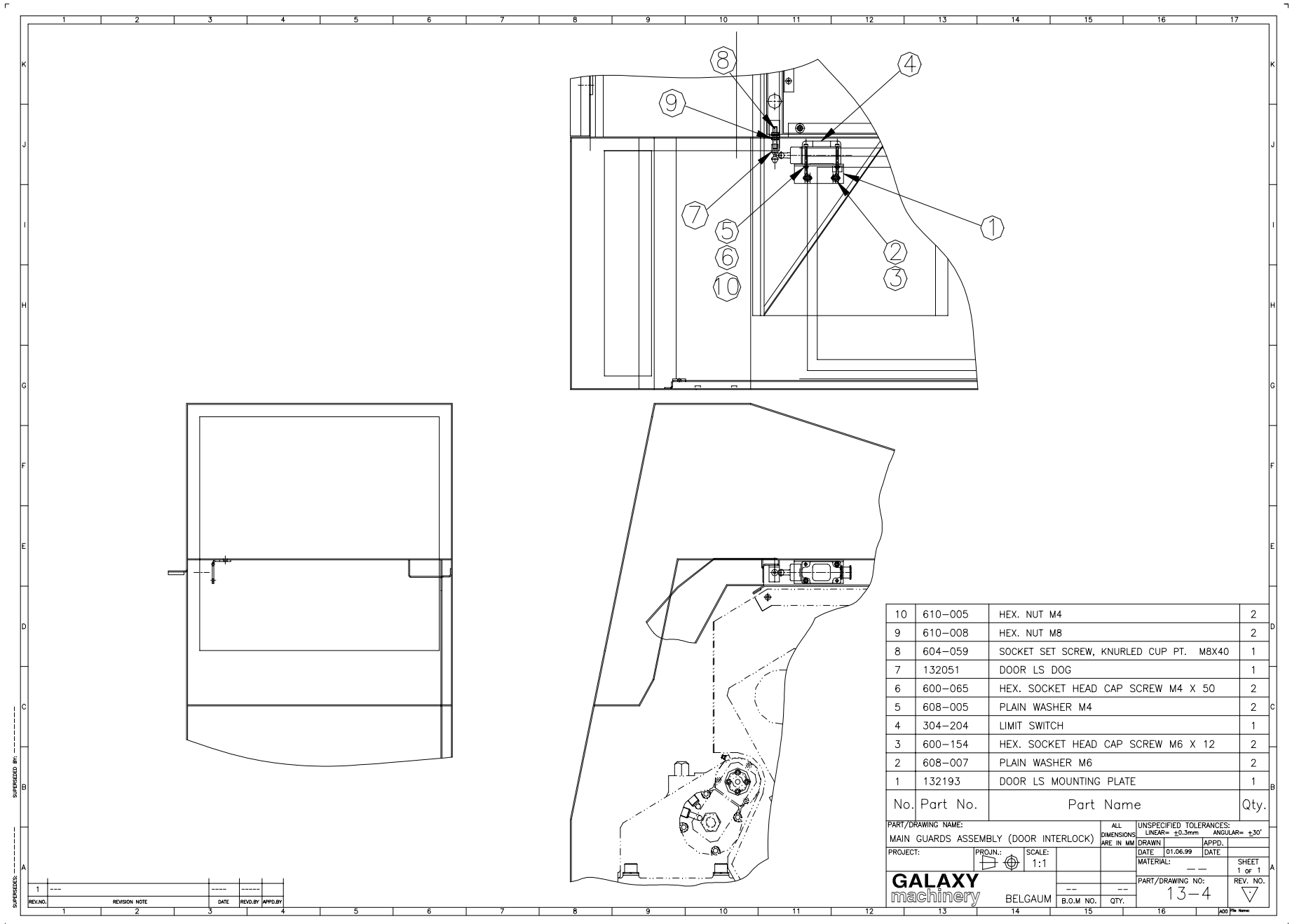


20	606-033	STAR HEAD SCREW (BLACK) M3 X 6	4
19	130239	MACHINE SERIAL NUMBER PLATE	1
18	600-254	HEX. SOC. HEAD CAP SCREW , M10 X 16	9
17	132031	CABINET	1
16	610-007	HEX. NUT, M6	2
15	608-007	PLAIN WASHER, M6	2
14	600-154	HEX. SOC. HEAD CAP SCREW , M6 X 12	2
13	131090	BACK GUARD ANGLE	2
12	600-157	HEX. SOC. HEAD CAP SCREW , M6 X 20	4
11	132268	BACK GUARD	1

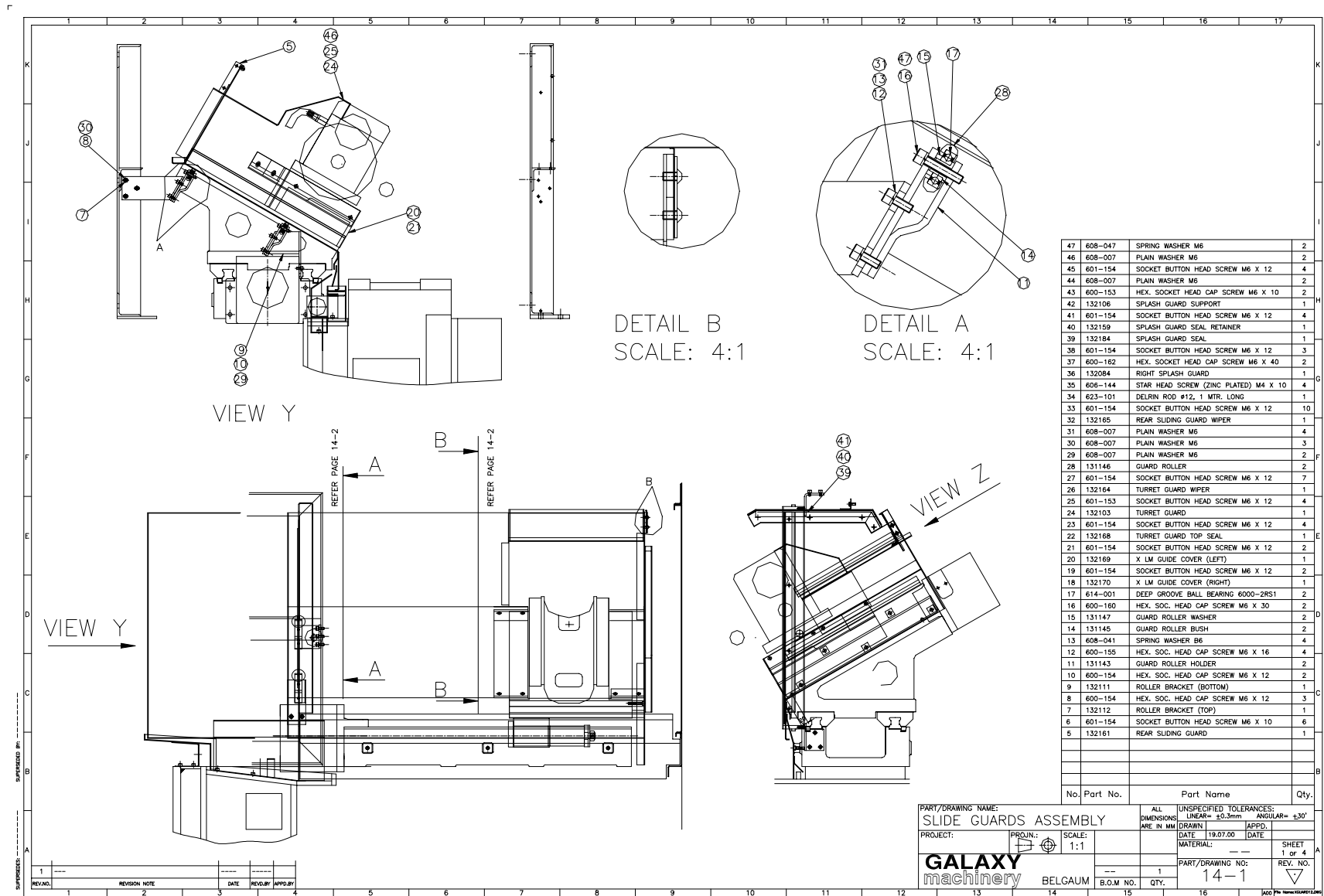
8	601-154	SOCKET BUTTON HEAD SCREW , M6 X 12	8
7	132072	RIGHT GUARD TOP COVER (MILL.)	1
6	600-157	HEX. SOC. HEAD CAP SCREW , M6 X 20	4
5	132014	RIGHT GUARD SIDE COVER	1
4			
3			
2	603-103	HEX. HEAD SCREW M6 X 12	7
1	132270	RIGHT GUARD (MILL.)	1

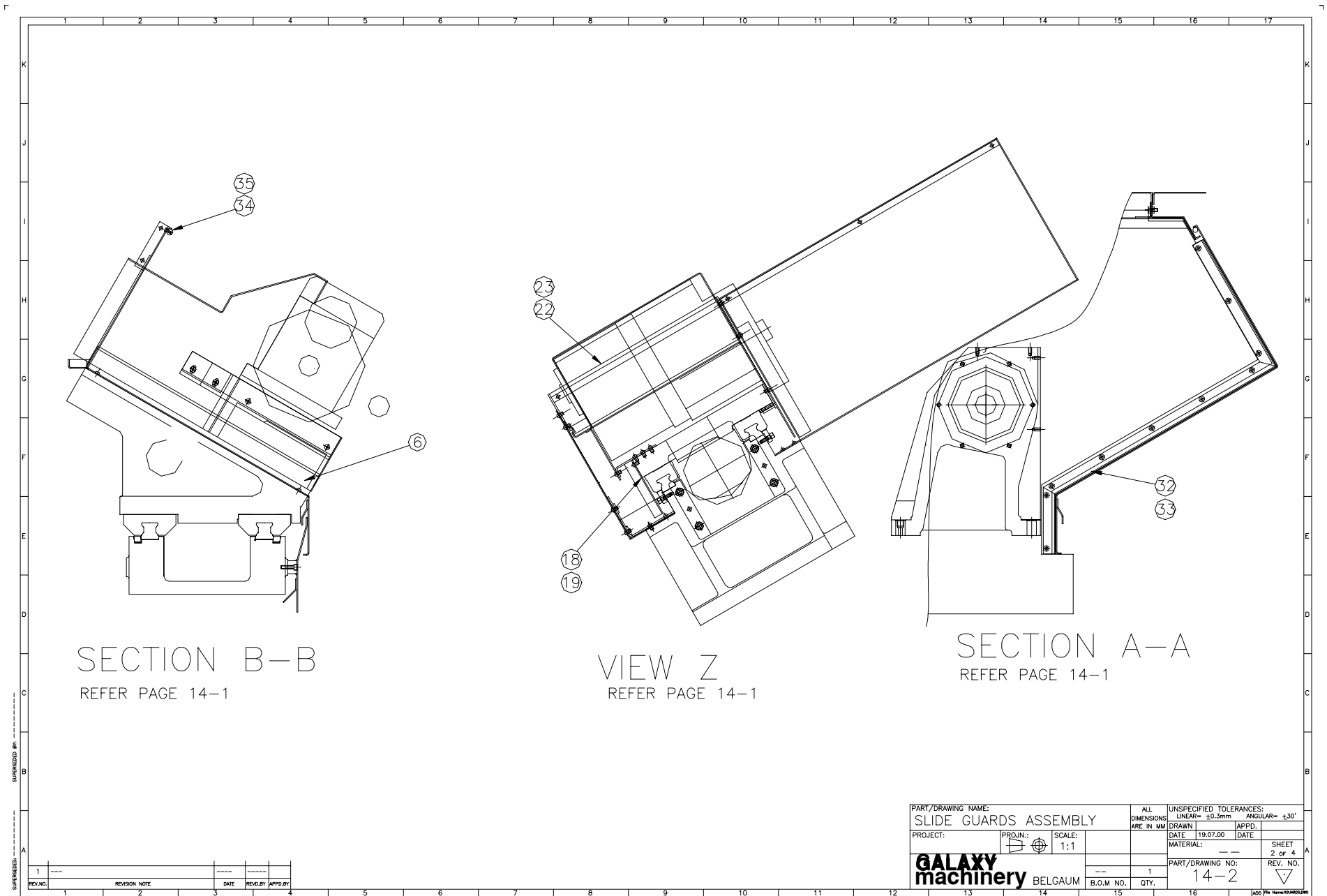
No.	Part No.	Part Name	Qty.
-----	----------	-----------	------

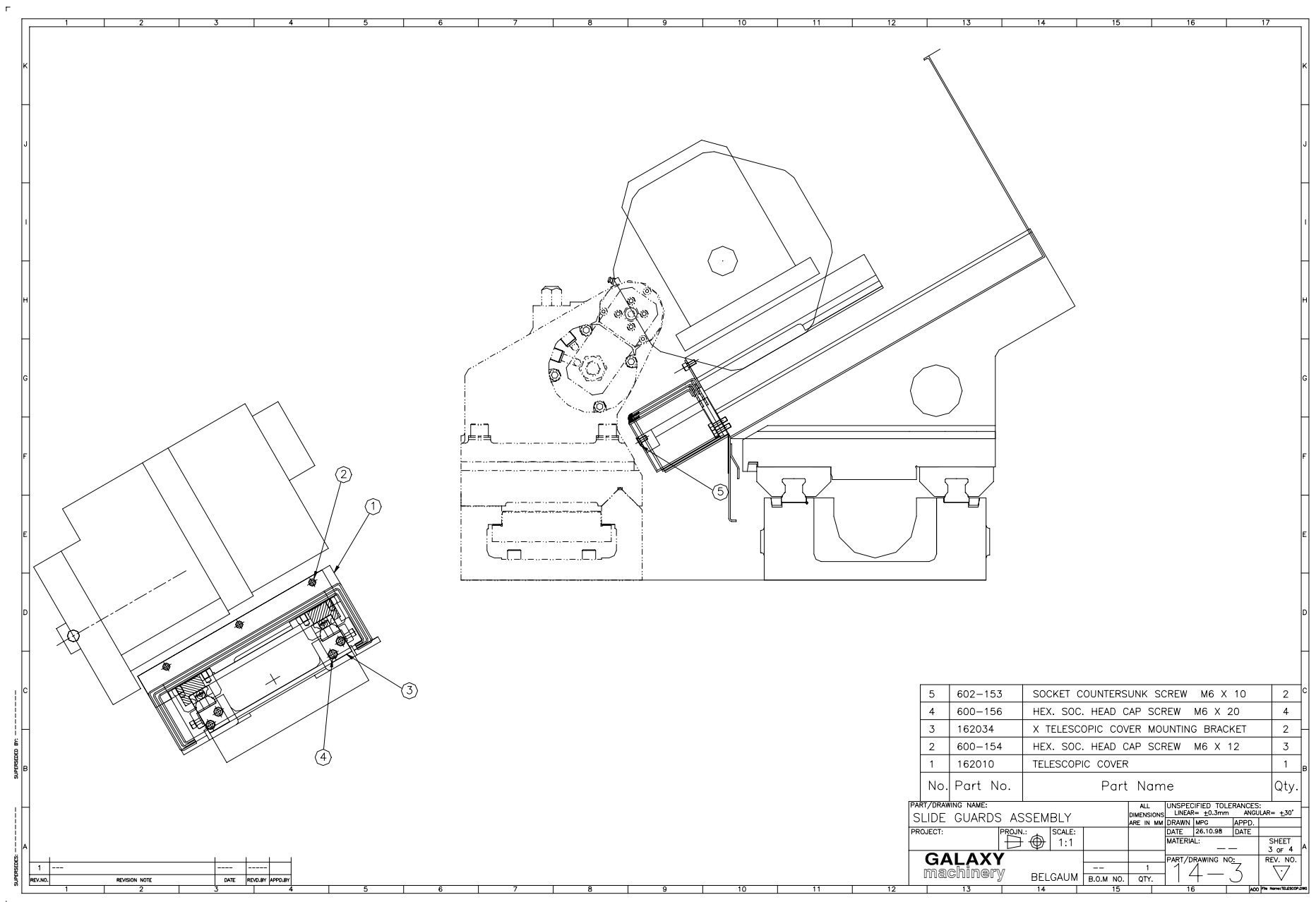
PART/DRAWING NAME:			ALL DIMENSIONS ARE IN MM		UNSPECIFIED TOLERANCES: LINEAR = $\pm 0.3mm$ ANGULAR = $\pm 30'$	
MAIN GUARDS ASSEMBLY (MILL.)						
PROJECT:	PROJ.:	SCALE:	DRAWN	MPG	APPD.	
		1:1	DATE	18-09-98	DATE	
			MATERIAL:		---	SHEET 1 OF 4 REV. NO. 
			PART/DRAWING NO.:		---	
			13-3			
BELGAUM		B.O.M NO.	QTY.			

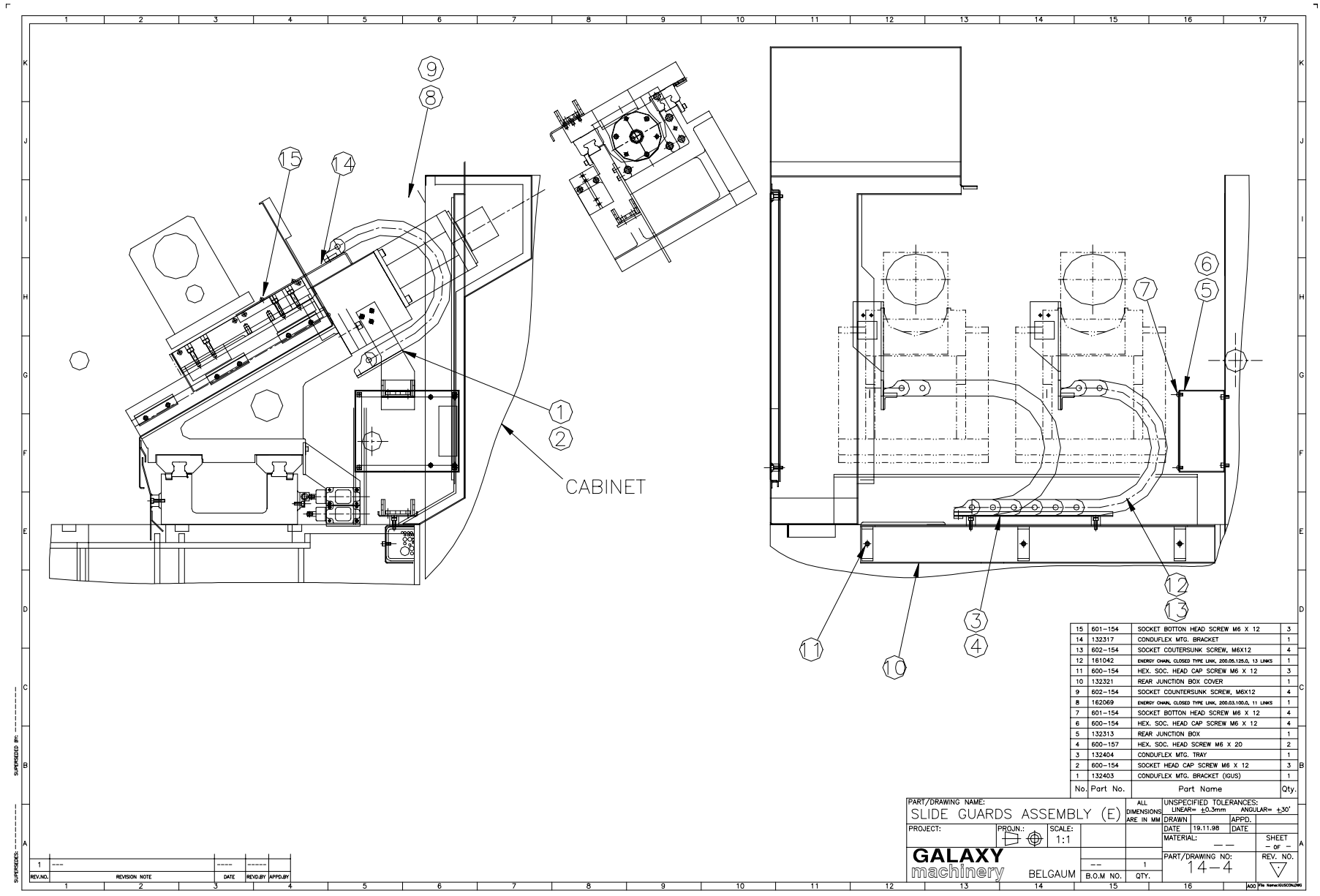


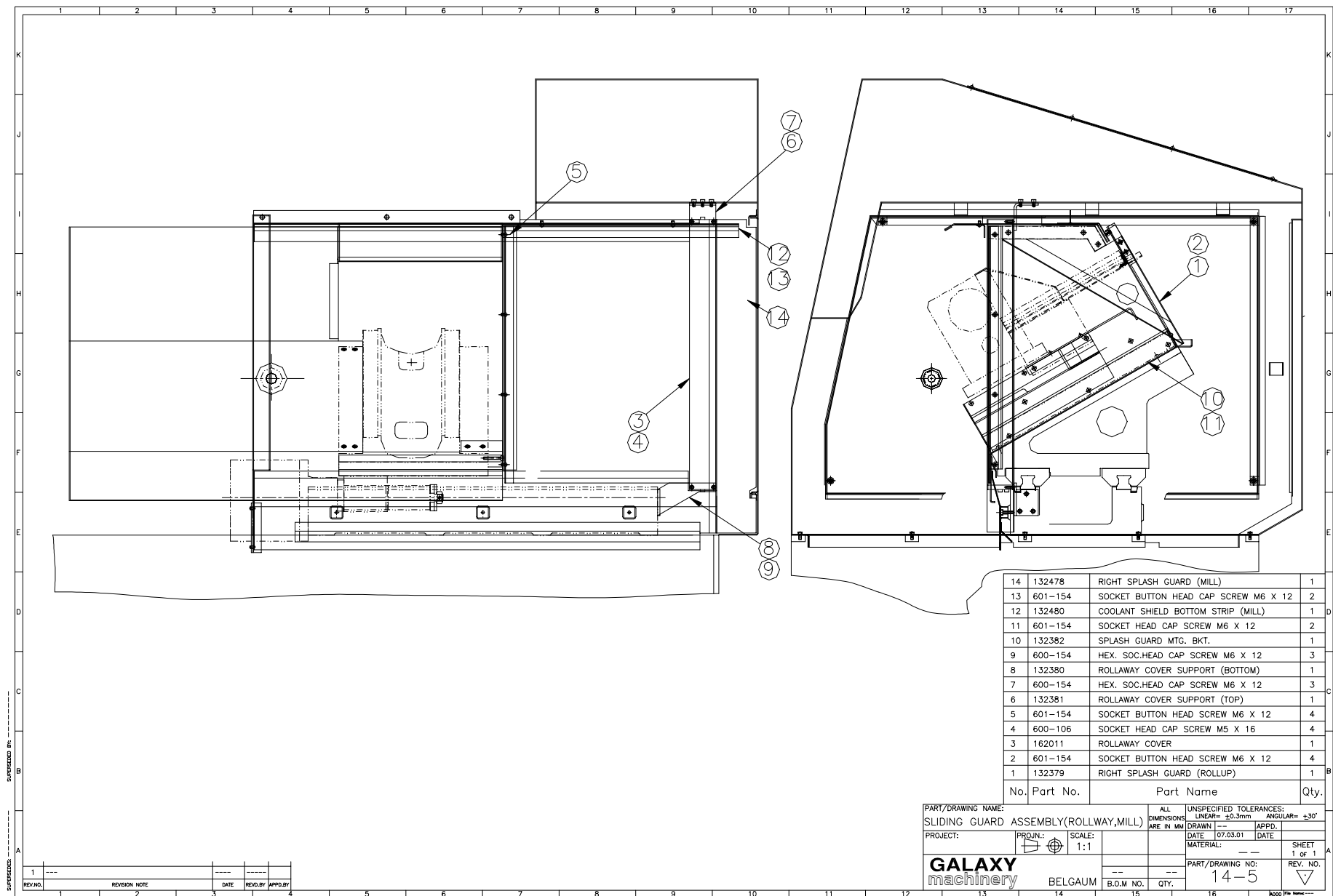
Slide Guards Assembly





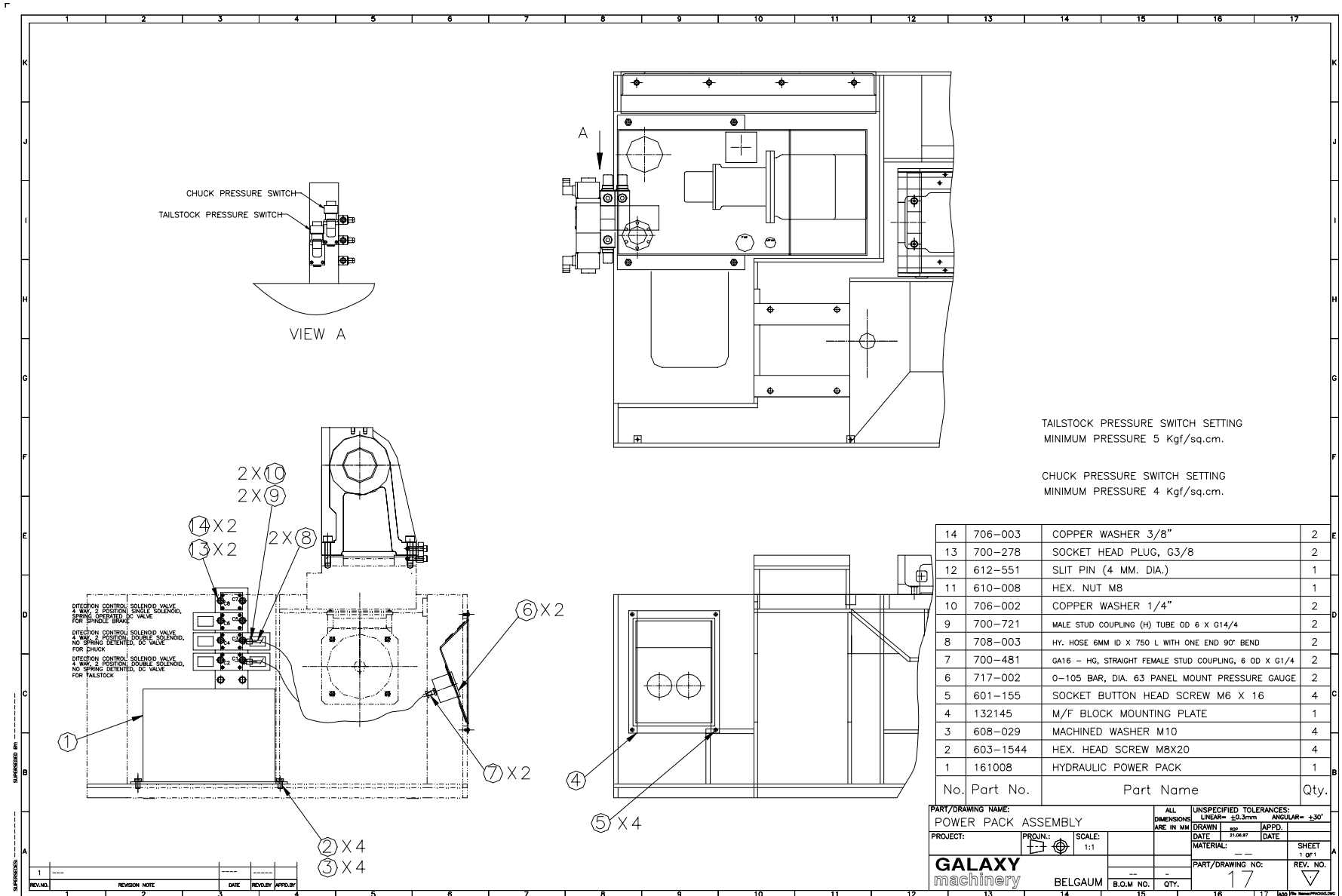




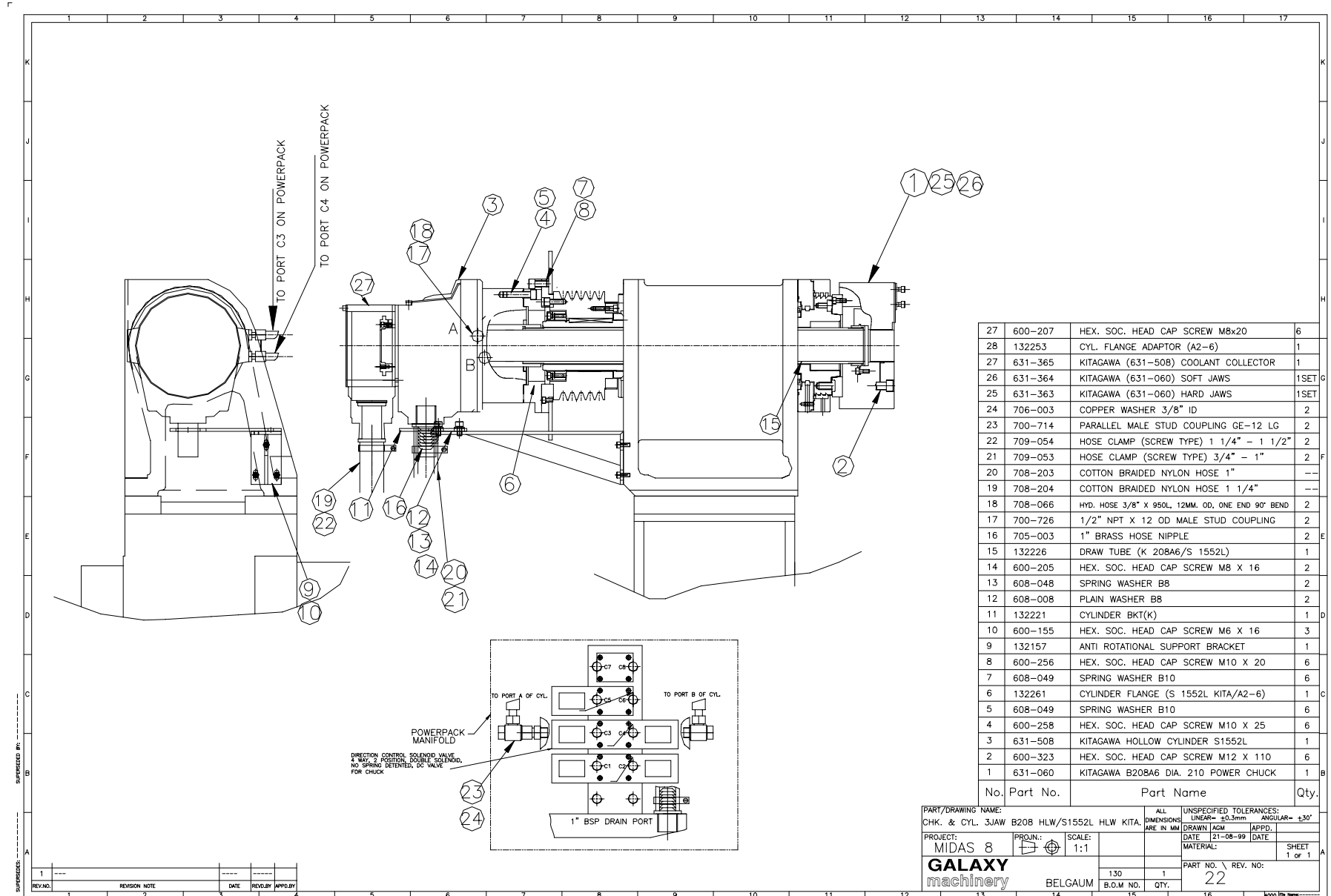


X Telescopic Cover Assembly

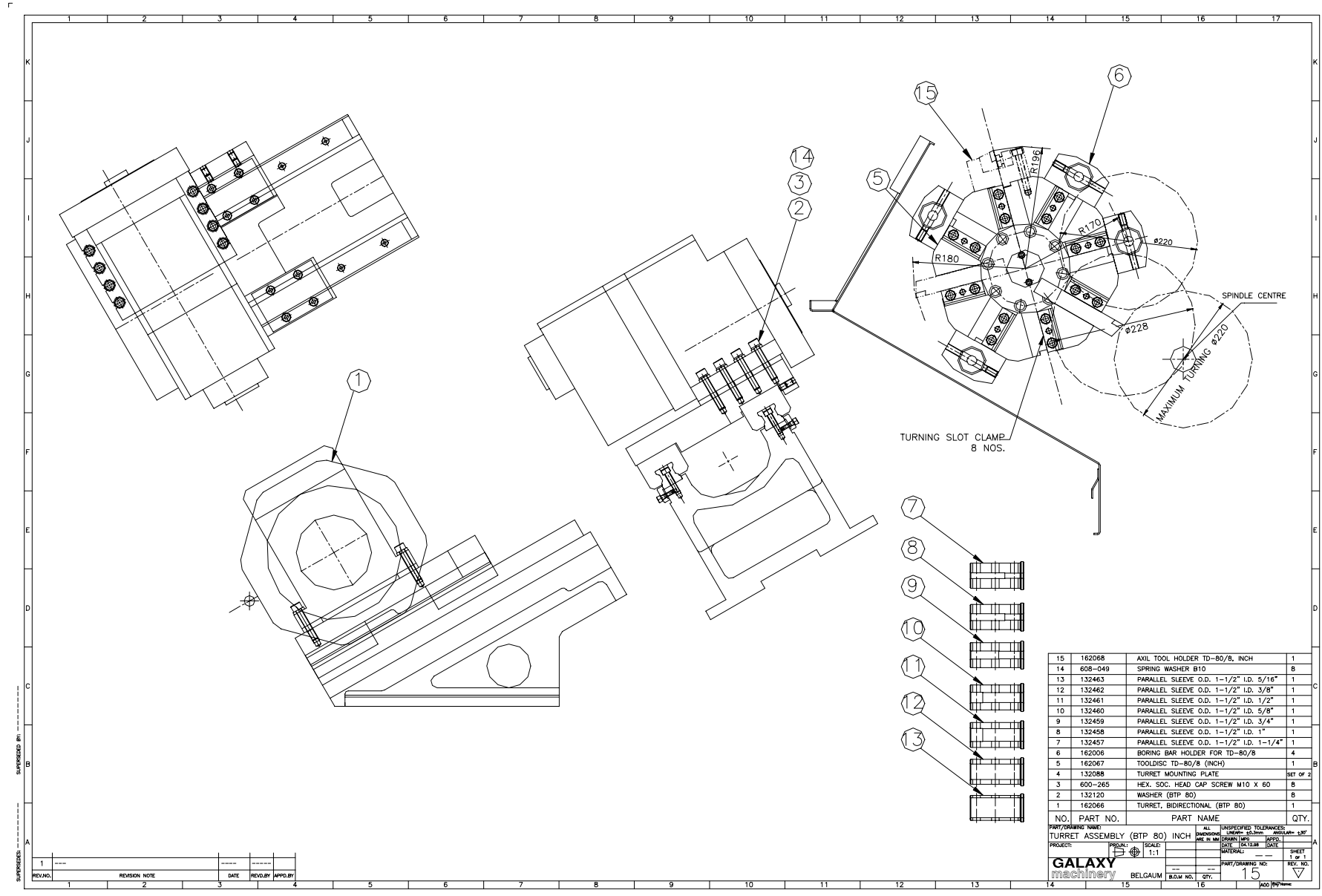
Power Pack Assembly



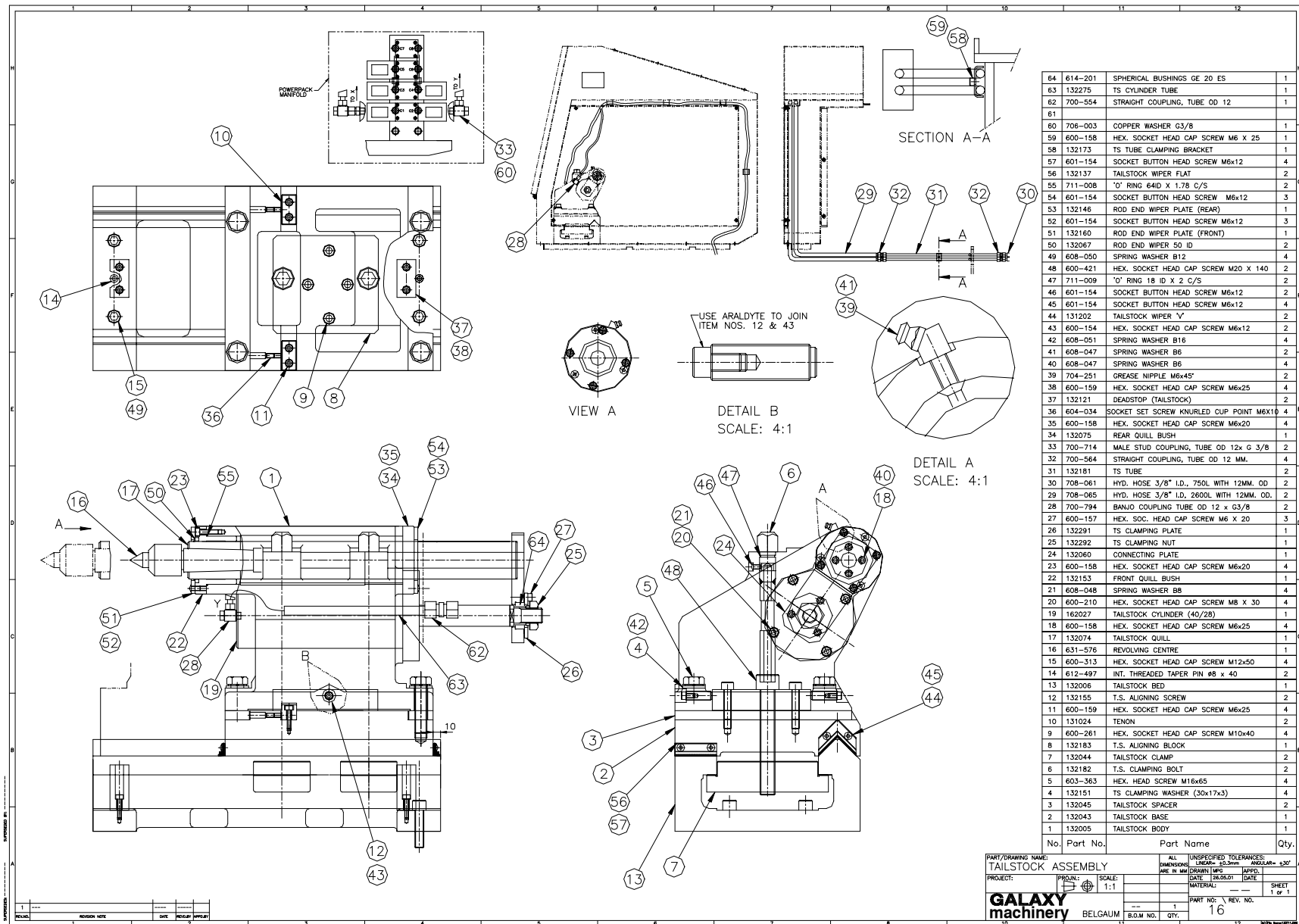
Kitagawa Chuck With Hollow Cylinder Assembly



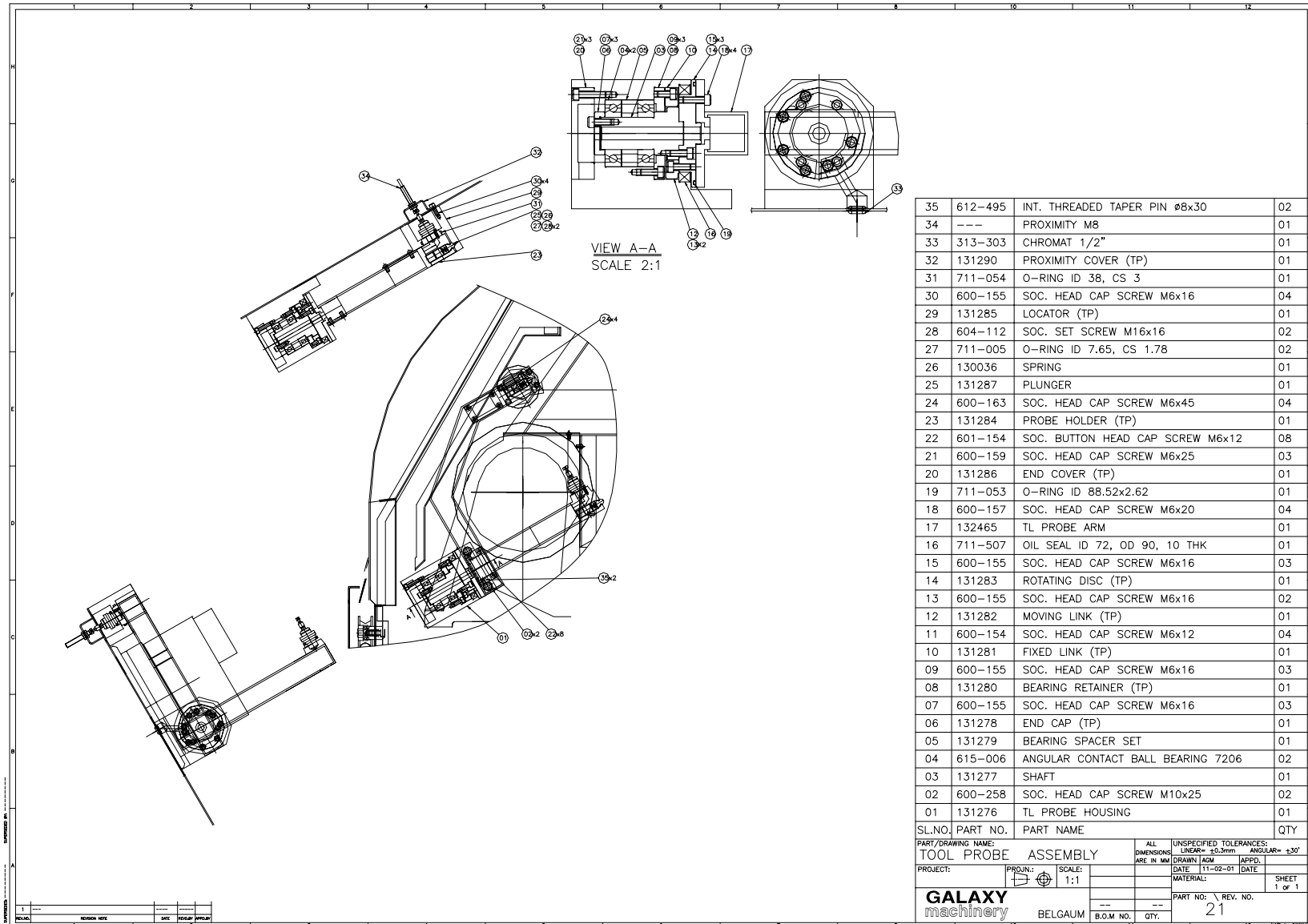
Turret Assembly



Tailstock Assembly



Tool Probe Assembly



Chip Conveyor Assembly

