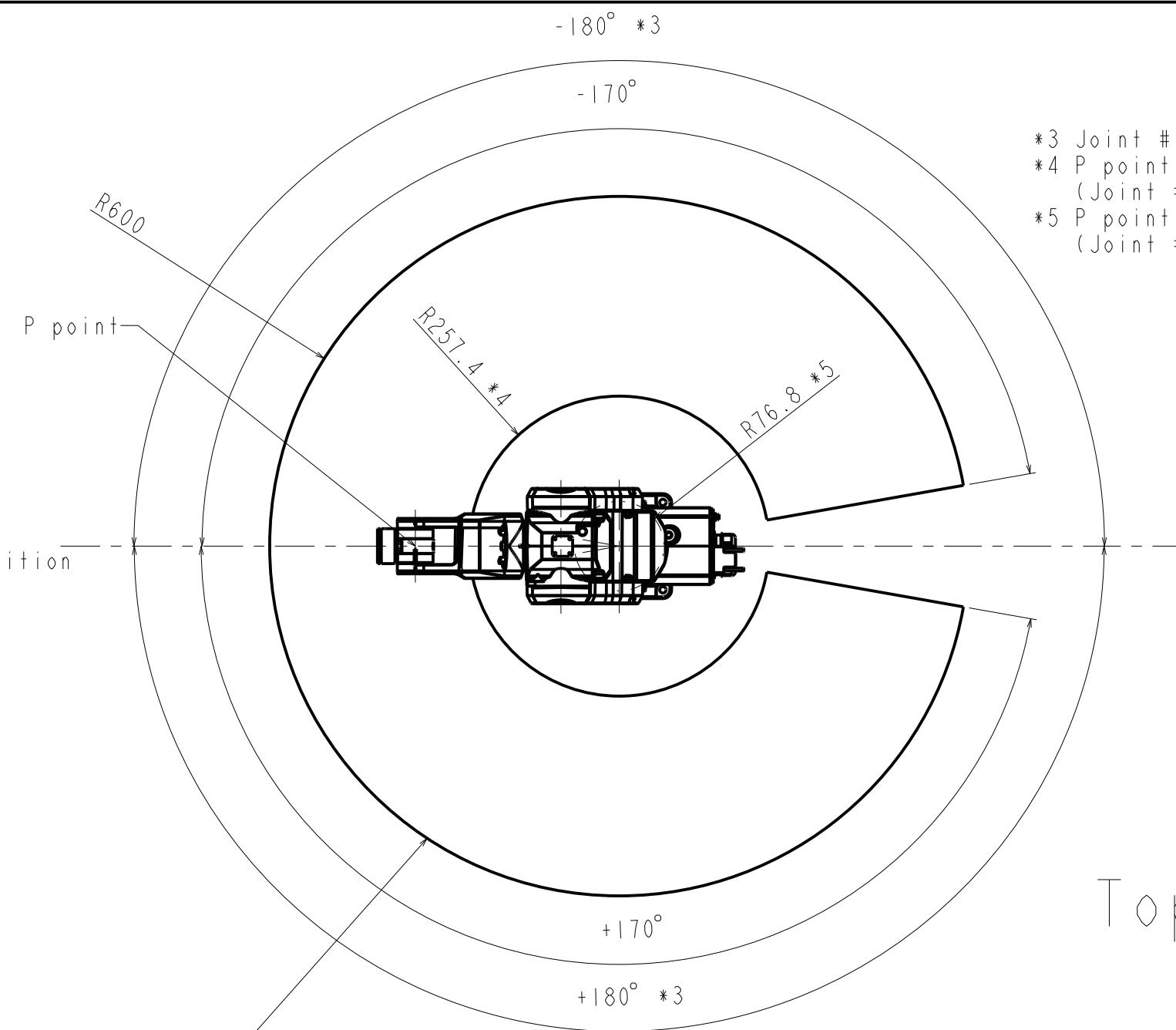


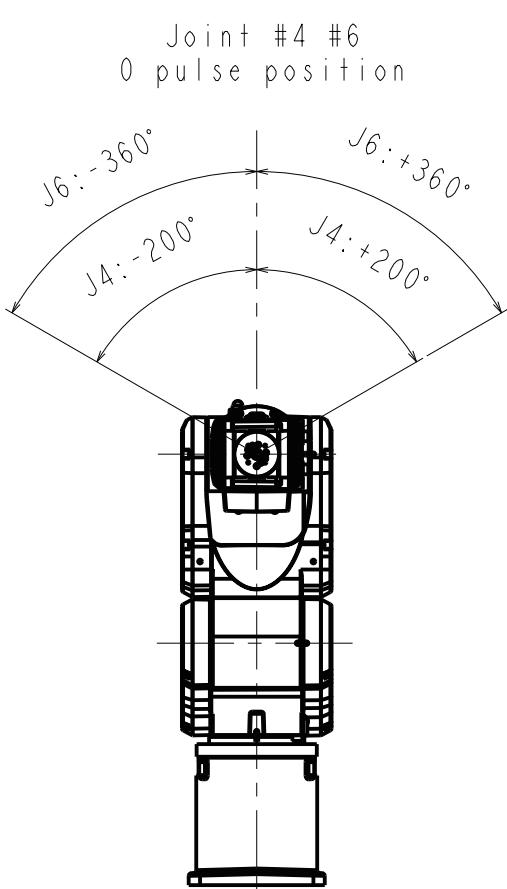
*3 Joint #1 without mechanical stop (± 180 deg.)
 *4 P point from top with Joint #3 declining -51 deg.
 (Joint #1 center - P point center)
 *5 P point from top with Joint #3 tilting up +225 deg.
 (Joint #1 center - P point center)



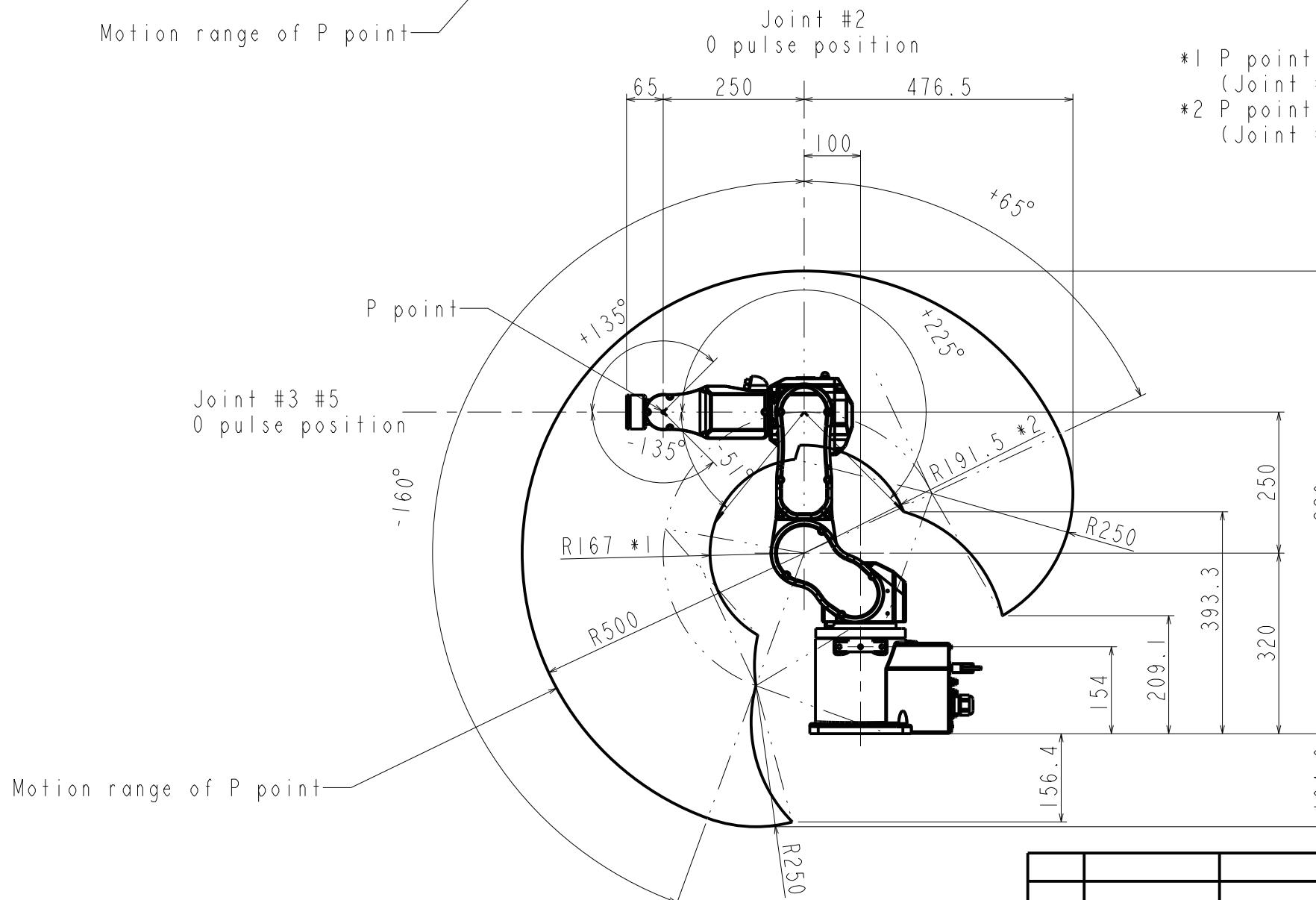
Top view

	Angle	pulse
Arm #1 revolves	$\pm 170^\circ$	± 4951609 pulse
Without mechanical stop	(Without mechanical stop $\pm 180^\circ$)	± 5242880 pulse
Arm #2 Lower arm swings	$-160^\circ, +65^\circ$	-4660338 pulse, +1893263 pulse
Arm #3 Upper arm swings	Single axis $-51^\circ, +225^\circ (276^\circ)$	-1299798 pulse, +5734400 pulse
Arm #4 Wrist revolves	$\pm 200^\circ$	± 4723316 pulse
Arm #5 Wrist swings	$\pm 135^\circ$	± 3188238 pulse
Arm #6 Wrist rotates	$\pm 360^\circ$	± 6553600 pulse

* All joints are in 0 pulse position in this drawing.



Front view



Lateral view

TITLE Range of C4-A60IS/A60IC			DRW.No.	REV_No.
RANGE_C4-A60IS/A60IC				
SEIKO EPSON CORP.				

NOTE: ° = degree