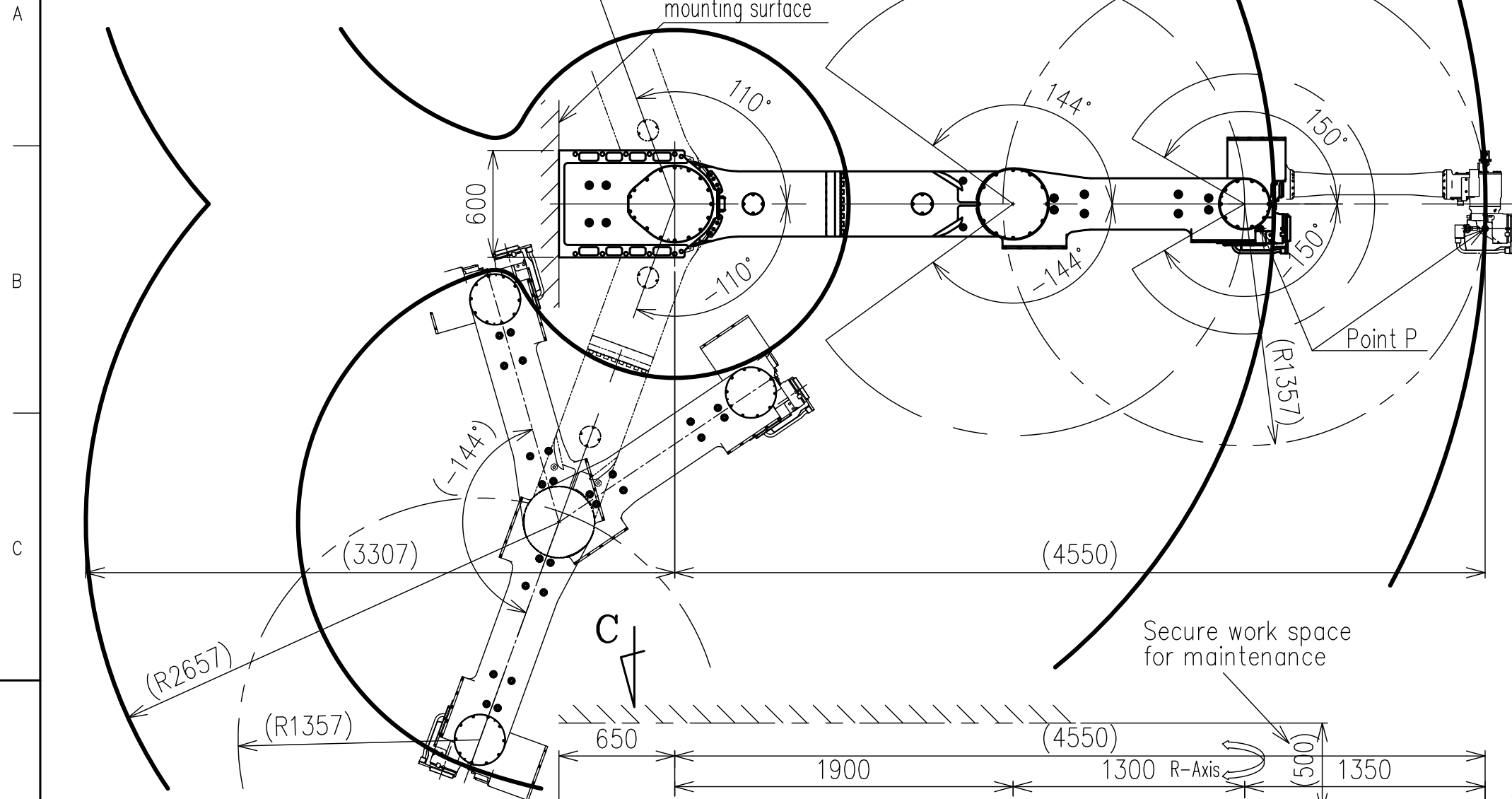
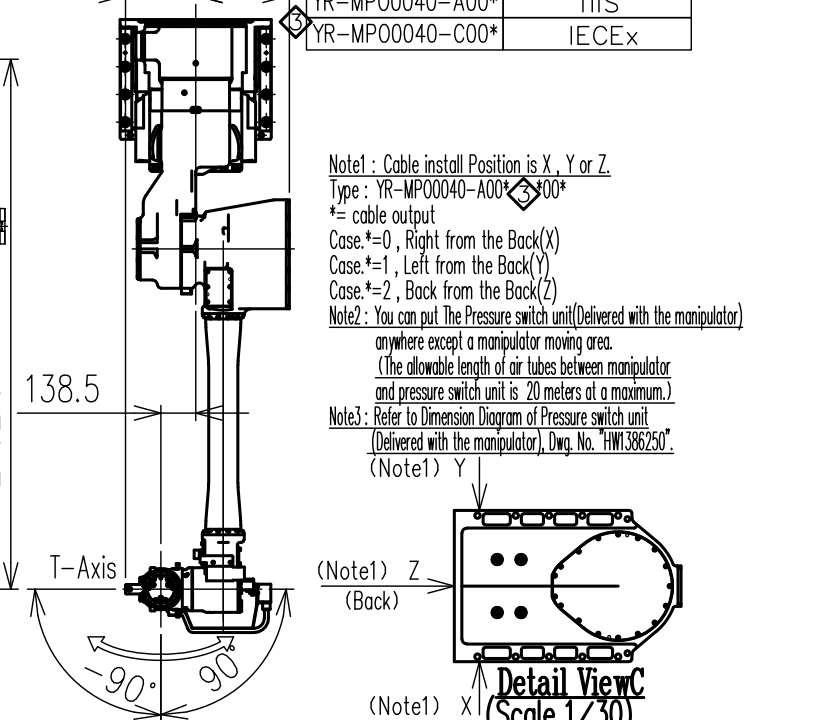
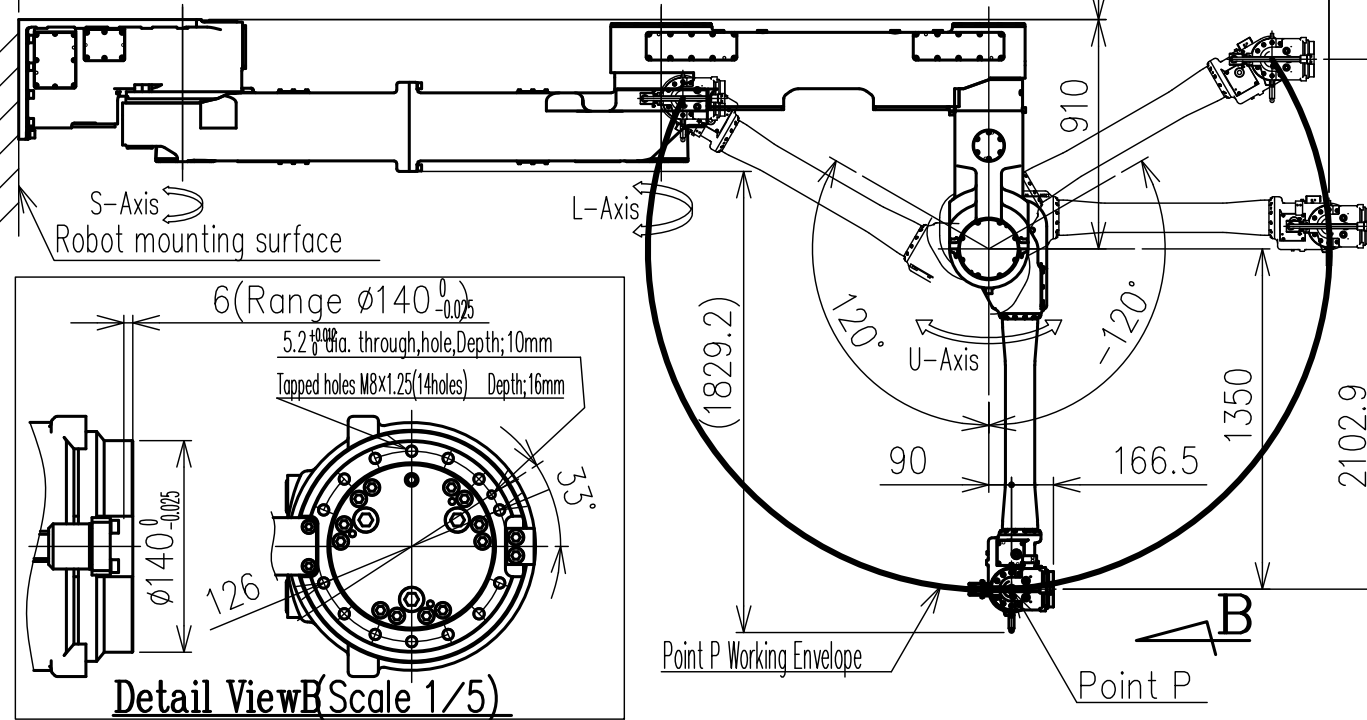
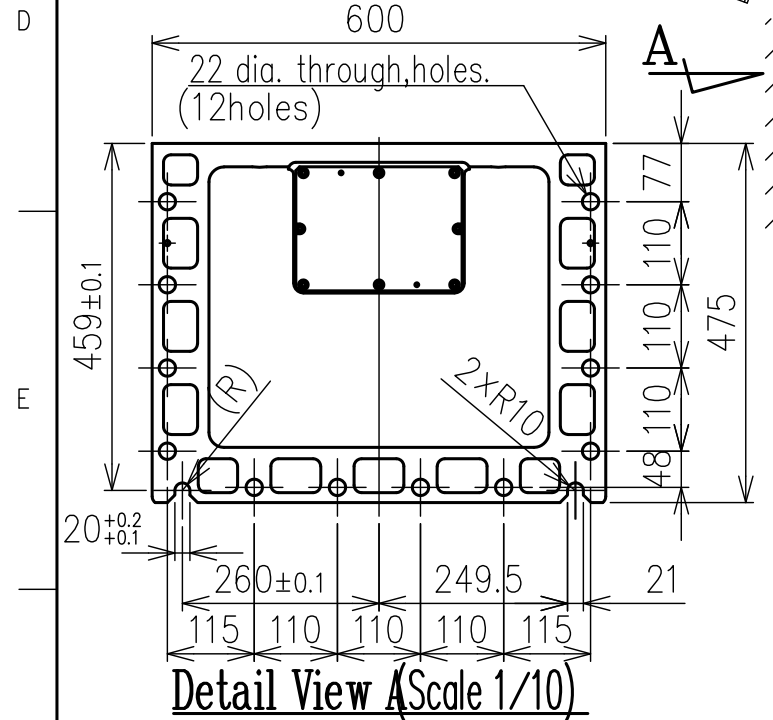


DWG.NO. HW1386676



Item	Model	MOTOMAN-MP040
Structure		Vertical articulated type + horizontal articulated type
Degree of freedom		5
Payload(mass)		40kg
Repeatability (* 1)		1mm
Max. Motion Range	S-Axis(Lower Arm)	-110°~ +110°
	L-Axis(Upper Arm)	-144°~ +144°
	R-Axis(Vertical arm Roll)	-150°~ +150°
	U-Axis(Vertical arm)	-120°~ +120°
	B-Axis(Pitch/Yaw)	horizontal(Linked with U-axis by parallel link)
Max. Speed	T-Axis(Twist)	-90°~ +90°
	S-Axis(Lower Arm)	1.40rad/s(80°/s)
	L-Axis(Upper Arm)	1.40rad/s(80°/s)
	R-Axis(Vertical arm Roll)	1.40rad/s(80°/s)
	U-Axis(Vertical arm)	1.40rad/s(80°/s)
Allowable Moment	B-Axis	352.8N·m(36.0kgf·m)
	T-Axis	235.2N·m(24.0kgf·m)
Allowable Inertia (GD ² /4)	B-Axis	32.4kg·m ²
	T-Axis	14.4kg·m ²
Approx.Robot mass		820kg
Protected structure		Body:IP4X Wrist:IP65
Mounting method		Wall-mounted
Location	Ambient Temperature	0°C - 40°C
	Relative Humidity	20%RH~80%RH(Non-condensing)
	Vibration	4.9m/s ² (0.5G) or less
	Elevation	1000m or less
	Others	<ul style="list-style-type: none"> Free from dirt, dust, oil soot, or water Free from explosive and corrosive gas or liquid Free from excessive electrical noise(plasma) Free from strong magnetic field
Power Supply		2.5 kVA
Applicable Control Panel		DX200

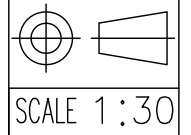
• This table is written in SI units. But numbers in () are written in Gravity units.
 • Repeatability is based on ISO 9283.
 • The Manipulator is in the home position in this drawing.



Note1: Cable install Position is X, Y or Z.
 Type: YR-MP00040-A00* (Type 00*)
 * = cable output
 Case.#=0, Right from the Back(X)
 Case.#=1, Left from the Back(Y)
 Case.#=2, Back from the Back(Z)
 Note2: You can put the Pressure switch unit(Delivered with the manipulator) anywhere except a manipulator moving area. (The allowable length of air tubes between manipulator and pressure switch unit is 20 meters at a maximum.)
 Note3: Refer to Dimension Diagram of Pressure switch unit (Delivered with the manipulator, Dwg. No. "HW1386250". (Note1) Y

Note:
 1.All rights reserved.
 2.Please note that the data is subject to be deleted without advance notice.
 3.No warranty is given in relation to the data including the specification.
 4.We are not responsible for any damages or loss caused by the use of the data.

FOR STUDY PURPOSE ONLY



YASKAWA
 株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-MP040
 DIMENSION DIAGRAM

DRWN DATE Jan.20.'20
 DWG.NO. HW1386676

SIZE A3