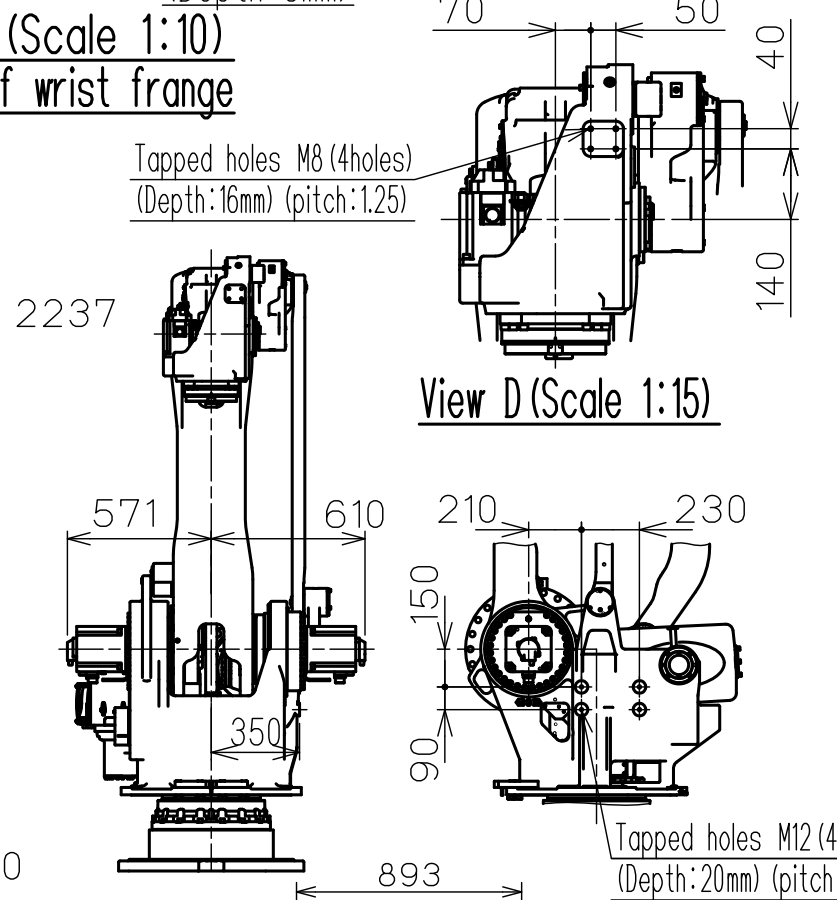
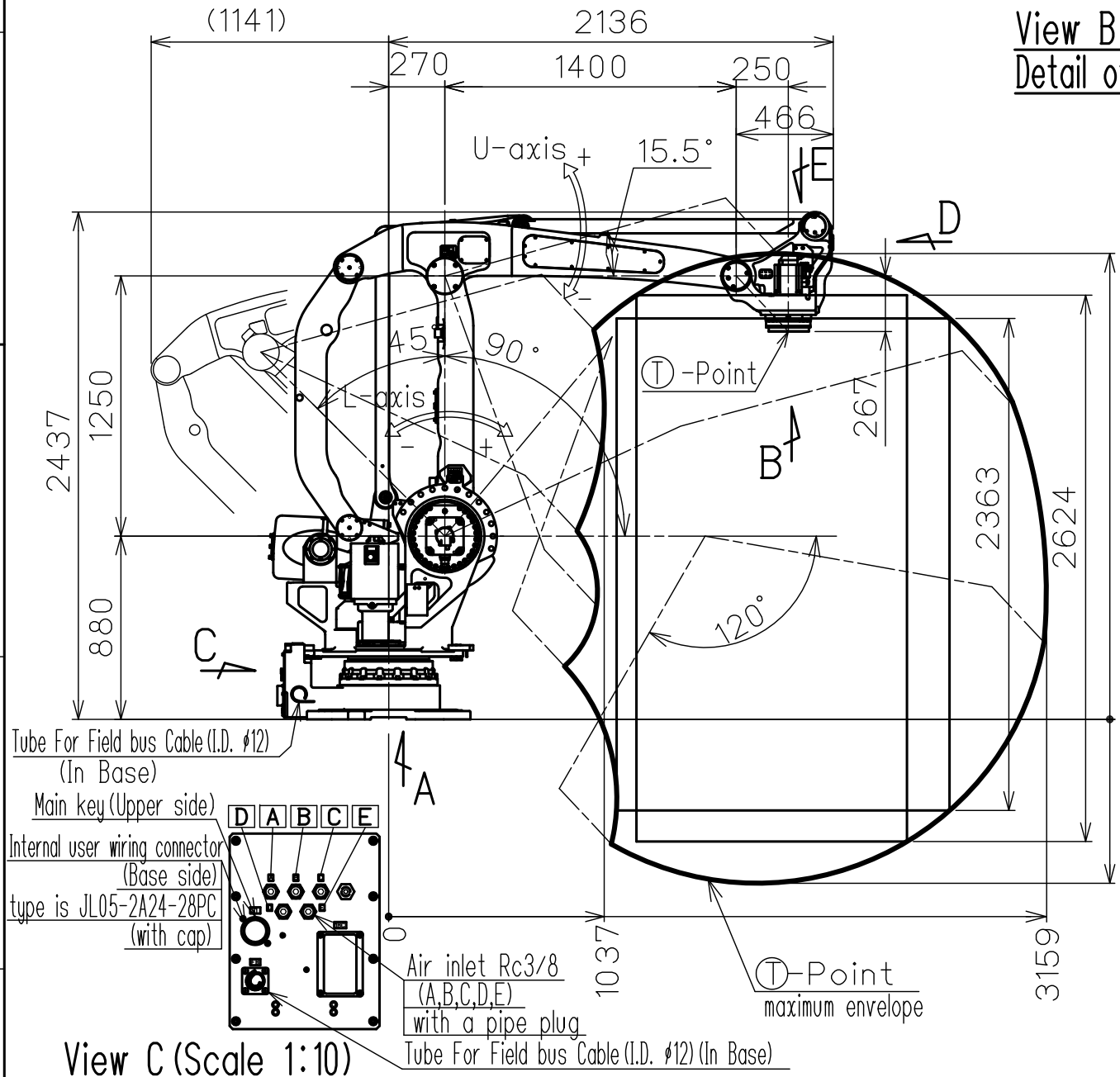
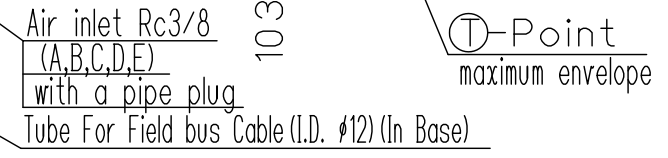
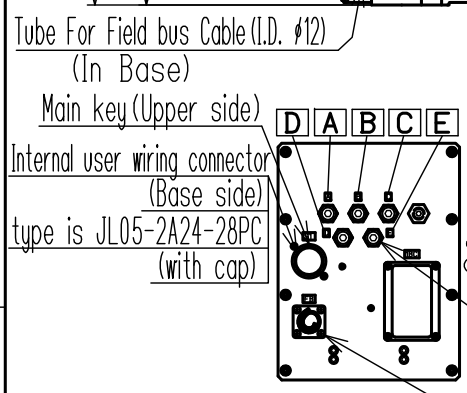


View B (Scale 1:10)  
Detail of wrist fringe



View D (Scale 1:15)



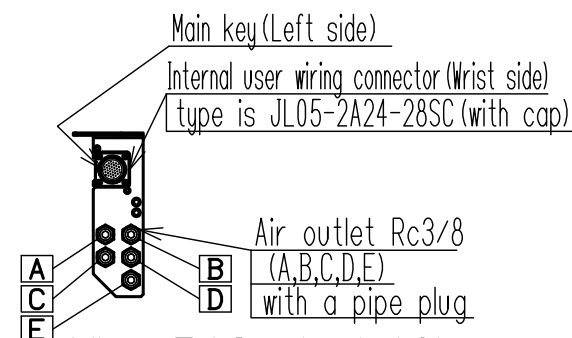
View C (Scale 1:10)

Item	Model	MOTOMAN-PL190
Configuration	Vertically articulated	
Degree of Freedom	4	
Payload	Wrist	190kg
Repeatability (*1)	0.05 mm	
Range of Motion	S-Axis (Turning)	-180° - +180°
	L-Axis (Lower Arm)	-45° - +90°
	U-Axis (Upper Arm)	-120° - +15.5°
	T-Axis (Twist)	-360° - +360°
Max Speed	S-Axis	2.44rad/s (140°/s)
	L-Axis	2.53rad/s (145°/s)
	U-Axis	2.53rad/s (145°/s)
	T-Axis	7.33rad/s (420°/s)
Allowable Inertia (GD <sup>2</sup> /4)	T-Axis	90kg·m <sup>2</sup>
Approx. Robot mass	1680 kg	
Protected structure	Body: IP54 Wrist: IP67	
Mounting method	Floor-mounted	
Ambient Conditions	Temperature	0°C to +45°C
	Humidity	20%RH to 80%RH (Non-condensing)
	Vibration	4.9m/s <sup>2</sup> (0.5G) or less
	Altitude	1000m or less
	Flatness for installation	0.5mm or less
Others	<ul style="list-style-type: none"> <li>Free from explosive and corrosive gas or liquid.</li> <li>Free from dirt dust, oil soot, or water</li> <li>Free from excessive electrical noise (plasma).</li> <li>Free from strong magnetic field.</li> </ul>	
Power Requirements	9.5KVA	
Controller	YRC1000	

\*1 Repeatability is conformed to ISO 9283.  
\*2 The manipulator is in the home position.

Type	Note
YR-1-04LXH190-A00	Standard

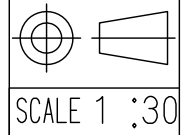
Units: mm



View E (Scale 1:10)

Note:  
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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-PL190  
DIMENSION DIAGRAM

DRWN DATE Sep.15.'20  
DWG.NO. HW1386499

SIZE A3