

DWG.NO. HW1386541

A

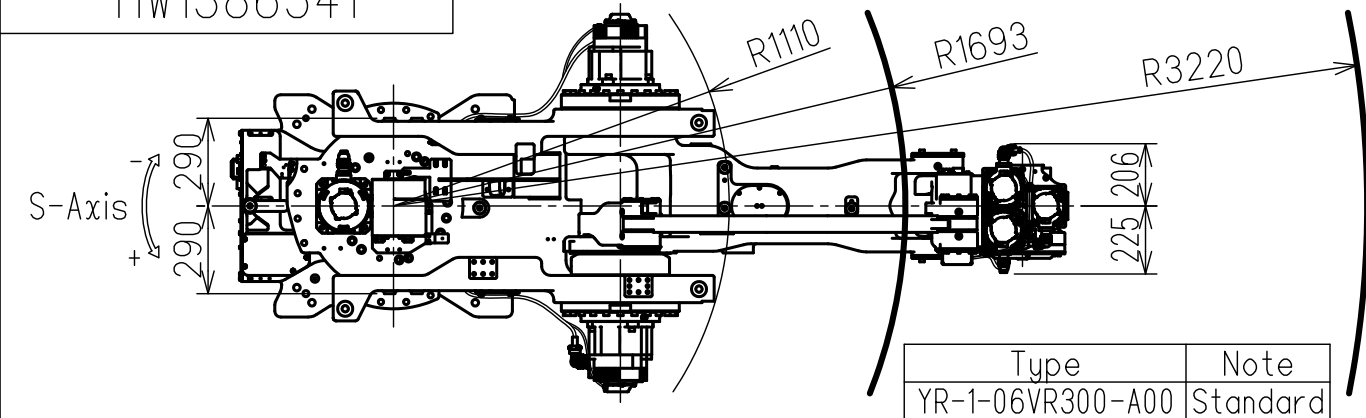
B

C

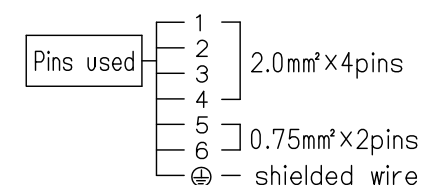
D

E

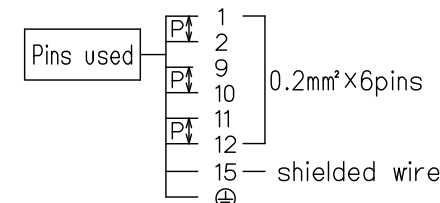
F



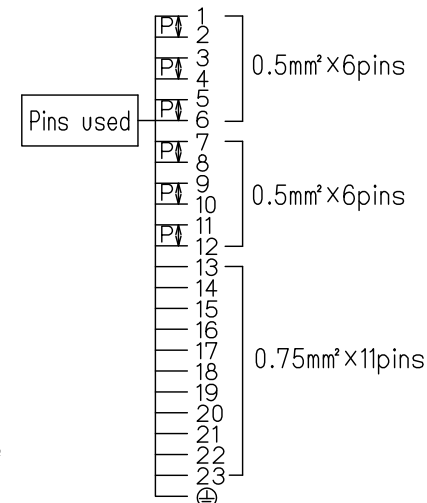
Type	Note
YR-1-06VR300-A00	Standard



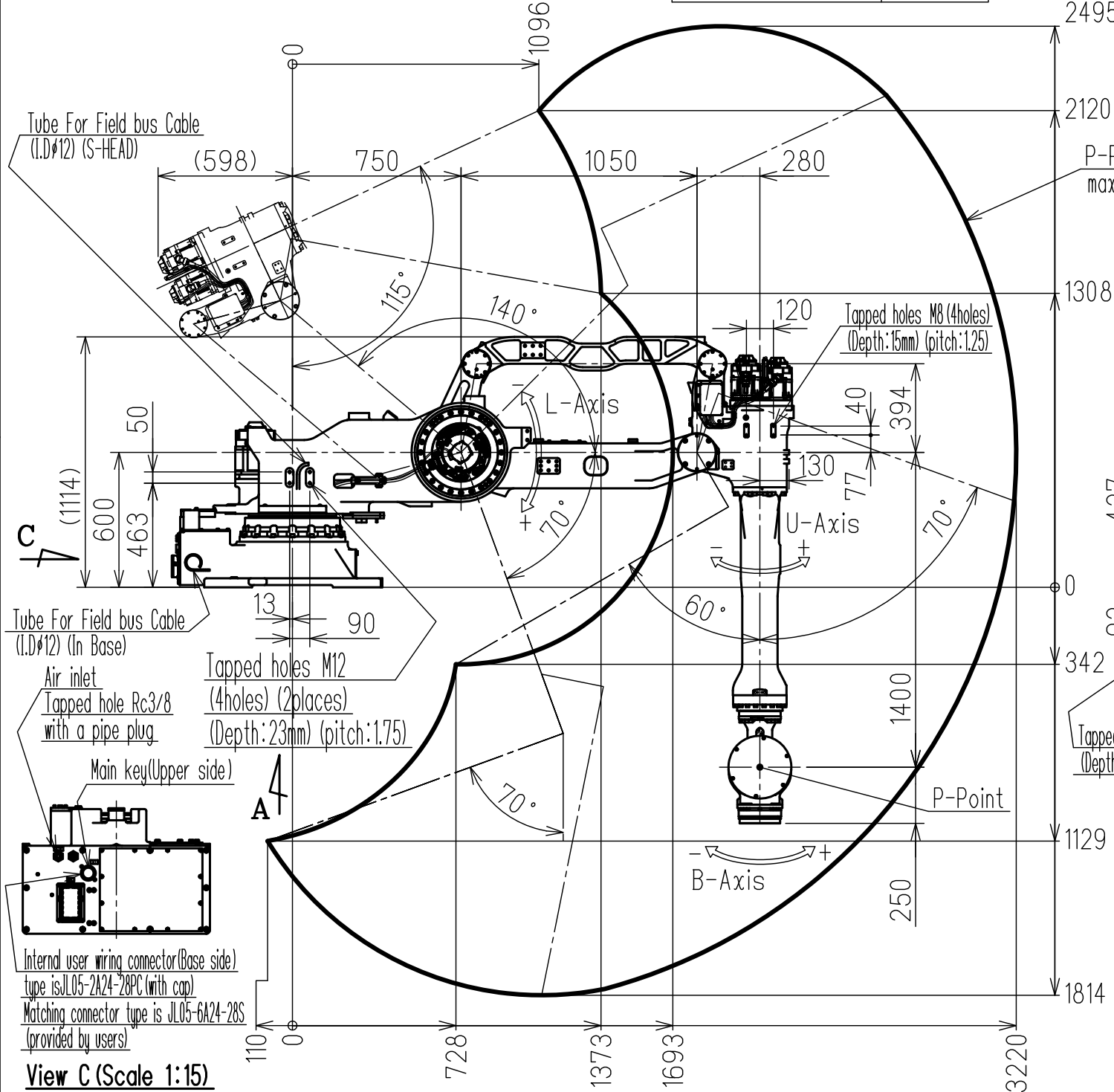
Pin details for external axis power cable



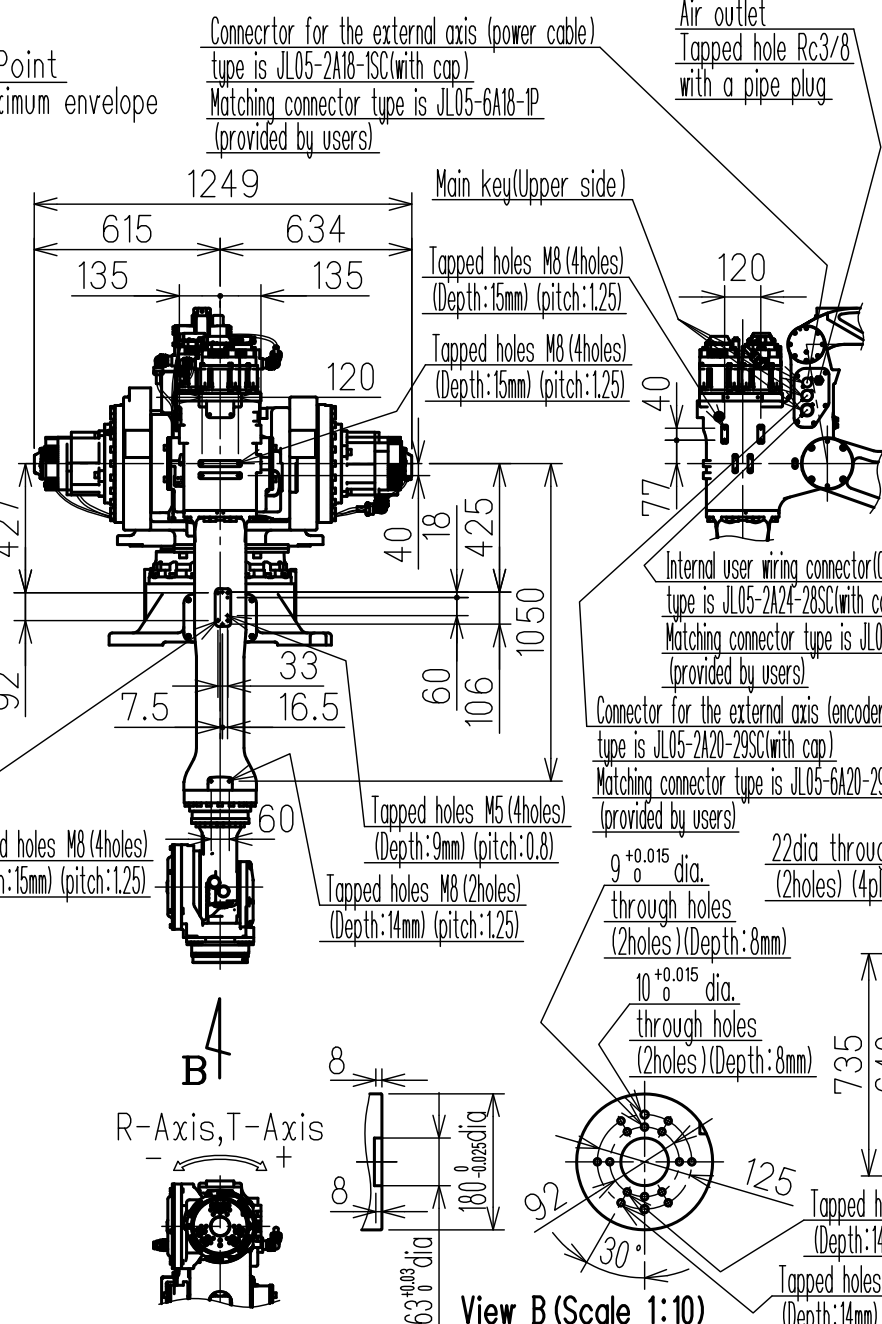
Pin details for external axis encoder cable



Pin details for internal user wiring harness  
(Base side/Casing side)



View C (Scale 1:15)



View B (Scale 1:10)

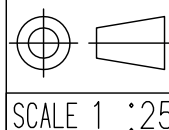
Item	Model	MOTOMAN-GP300R
Configuration	Vertically articulated	
Degree of Freedom	6	
Payload	wrist	300kg
	On U-arm	30kg
Repeatability (※1)	0.2 mm	
Range of Motion	S-Axis (Turning)	-180° - +180°
	L-Axis (Lower Arm)	-140° - +70°
	U-Axis (Upper Arm)	-70° - +115°
	R-Axis (Roll)	-360° - +360°
	B-Axis (Pitch/Yaw)	-125° - +125°
	T-Axis (Twist)	-360° - +360°
Max Speed	S-Axis	1.92 rad/s, 110°/s
	L-Axis	1.66 rad/s, 95°/s
	U-Axis	1.66 rad/s, 95°/s
	R-Axis	2.09 rad/s, 120°/s
	B-Axis	2.09 rad/s, 120°/s
	T-Axis	3.32 rad/s, 190°/s
Allowable Moment	R-Axis	1962 N·m (200kgf·m)
	B-Axis	1962 N·m (200kgf·m)
	T-Axis	834 N·m (85kgf·m)
Allowable Inertia (GD <sup>2</sup> /4)	R-Axis	320 kg·m <sup>2</sup>
	B-Axis	320 kg·m <sup>2</sup>
	T-Axis	200 kg·m <sup>2</sup>
Approx. Robot mass	1530kg	
Protected structure	Body:IP54 Wrist:IP67	
Mounting method	Shelf-mounted	
Ambient Conditions	Temperature	0 to +45
	Humidity	20 to 80%RH (Non-condensing)
	Vibration	4.9m/s <sup>2</sup> (0.5G) or less
	Altitude	1000m or less
	Others	<ul style="list-style-type: none"> <li>Free from explosive and corrosive gas or liquid.</li> <li>Free from dust,soot,oil,or water.</li> <li>Free from electrical noise.</li> <li>Free from strong magnetic fields.</li> </ul>
Power Requirements	5.0KVA	
Controller	YRC1000	

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

Units:mm

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-GP300R  
DIMENSION DIAGRAM

DRWN DATE Jan.20.'20  
DWG.NO. HW1386541

SIZE A 3