



U Series (Rail)

Instruction Manual

●Caution

Thank you very much for purchasing our product.

Please read this instruction manual carefully before installation to use the product for a long time.

Precautions on Installation

Improper handling of aluminum products during installation may cause abnormal corrosion, resulting in unexpected troubles, please pay attention to the following points.

1. Please confirm that the product is suit for the construction place's weather conditions (wind, snow, etc.).
2. To prevent damage, please do not construct this product where the snow slide directly on the product.
3. Avoid installation of the product in areas where strong winds blow, especially on cliff tops, on the roof top, or on the pathway of the wind.
4. Avoid installation of the product at places with large vertical difference such as edge. In windy areas, install the product not to be fluttered by wind. This product should be installed only on the ground.
5. The foundation drawing indicates the depth of embedding of the product. Pay sufficient attention to the amount (volume) of the foundation concrete when embedding the product in a weak ground. When the product is to be used in cold districts where frost heave is likely to occur, place foundation to the frost heave line or lower.
6. Using sea sand for making mortar may cause corrosion due to its high salt content. Please avoid use of sea sand or wash it thoroughly before using it for mortal.
7. Adhesive bonds for mortar and concrete may cause corrosion, therefore, avoid using them or choose the adhesive bonds which do not have calcium chlorides, chlorine compounds, or sodium silicate.
8. Make it sure not to attach mortal or concrete extract on the surface and inside of the aluminum products during construction. Those extract are strong alkaline and may cause uneven color or corrosion.
9. When using bonds or chemicals which may occur the corrosion during the construction work, avoid contact to the aluminum products.

10. Please check the screws again that they are tighten up enough after completion of the installation work.
10. Avoid contact of aluminum products with dissimilar metals such as copper plate and lath. If their contact is inevitable, cover the surface with a plastic tape or insulate it with paint, etc.
11. Do not modify or remodel the product.
12. Please put items or equipment in order, and ensure the security especially collapse and falling while working in a high place and intensity of illumination by light in construction site.
13. Please make sure the security by each other and check the operator's health and implement the health management.

Packing List

●Single Open H14, 16, 18, 20

	Parts Name	CODE	Size							
			3S	4S	5S	6S	7S	8S	9S	10S
H14	Door Stop Post H14	UGT-K68	1	1	1	1	1	1	1	1
H16	Door Stop Post H16	UGT-K69	1	1	1	1	1	1	1	1
H18	Door Stop Post H18	UGT-K70	1	1	1	1	1	1	1	1
H20	Door Stop Post H20	UGT-K71	1	1	1	1	1	1	1	1
	Burying Parts Box (Single Open)	UGT-K31	1	1	1	1	1	1	1	1
	Rail Parts Set (3 Connections)	FRB1	1							
	Rail Parts Set (4 Connections)	FRB2		1						
	Rail Parts Set (5 Connections)	FRB3			1					
	Rail Parts Set (6 Connections)	FRB4				1				
	Rail Parts Set (7 Connections)	FRB5					1			
	Rail Parts Set (8 Connections)	FRB6						1		
	Rail Parts Set (9 Connections)	FRB7							1	
	Rail Parts Set (10 Connections)	FRB8								1
	SUS Flat Rail 60-142 1PC	FRS60-142-1	1	1	1	1	1	1	1	1
	SUS Flat Rail 60-200 1PC	FRS60-200-1		1		1		1		1
	SUS Flat Rail 60-200 2PCS	FRS60-200-2	1	1	2	2	3	3	4	4
	Total		5	6	6	7	7	8	8	9

●Double Open H14, 16, 18, 20

	Parts Name	CODE	Size							
			6W	8W	10W	12W	14W	16W	18W	20W
	Burying Parts Box (Double Open)	UGT-K32	1	1	1	1	1	1	1	1
	Rail Parts Set (3 Connections)	FRB1			1					
	Rail Parts Set (4 Connections)	FRB2				1	1	1	1	1
	Rail Parts Set (7 Connections)	FRB5	1							
	Rail Parts Set (9 Connections)	FRB7		1	1					
	Rail Parts Set (10 Connections)	FRB8				1				
	Rail Parts Set (12 Connections)	FRB9					1			
	Rail Parts Set (14 Connections)	FRB10						1		
	Rail Parts Set (16 Connections)	FRB11							1	
	Rail Parts Set (18 Connections)	FRB12								1
	SUS Flat Rail 60-142 2PCS	FRS60-142-2	1	1	1	1	1	1	1	1
	SUS Flat Rail 60-200 1PC	FRS60-200-1	1	1	1	1	1	1	1	1
	SUS Flat Rail 60-200 2PCS	FRS60-200-2	2	3	4	5	6	7	8	9
	Total		6	7	9	10	11	12	13	14

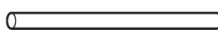
●Single Open H24, 30

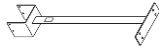
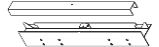
	Parts Name	CODE	Size							
			3S	4S	5S	6S	7S	8S	9S	10S
H24	Door Stop Post H24	UGT-K21	1	1	1	1	1	1	1	1
H30	Door Stop Post H30	UGT-K22	1	1	1	1	1	1	1	1
	Burying Parts Box (Single Open)	UGT-K31	1	1	1	1	1	1	1	1
	Rail Parts Set (3 Connections)	FRB1	1							
	Rail Parts Set (4 Connections)	FRB2		1						
	Rail Parts Set (5 Connections)	FRB3			1					
	Rail Parts Set (6 Connections)	FRB4				1				
	Rail Parts Set (7 Connections)	FRB5					1			
	Rail Parts Set (8 Connections)	FRB6						1		
	Rail Parts Set (9 Connections)	FRB7							1	
	Rail Parts Set (10 Connections)	FRB8								1
	SUS Flat Rail 60-142 1PC	FRS60-142-1	1	1	1	1	1	1	1	1
	SUS Flat Rail 60-200 1PC	FRS60-200-1		1		1		1		1
	SUS Flat Rail 60-200 2PCS	FRS60-200-2	1	1	2	2	3	3	4	4
Total			5	6	6	7	7	8	8	9

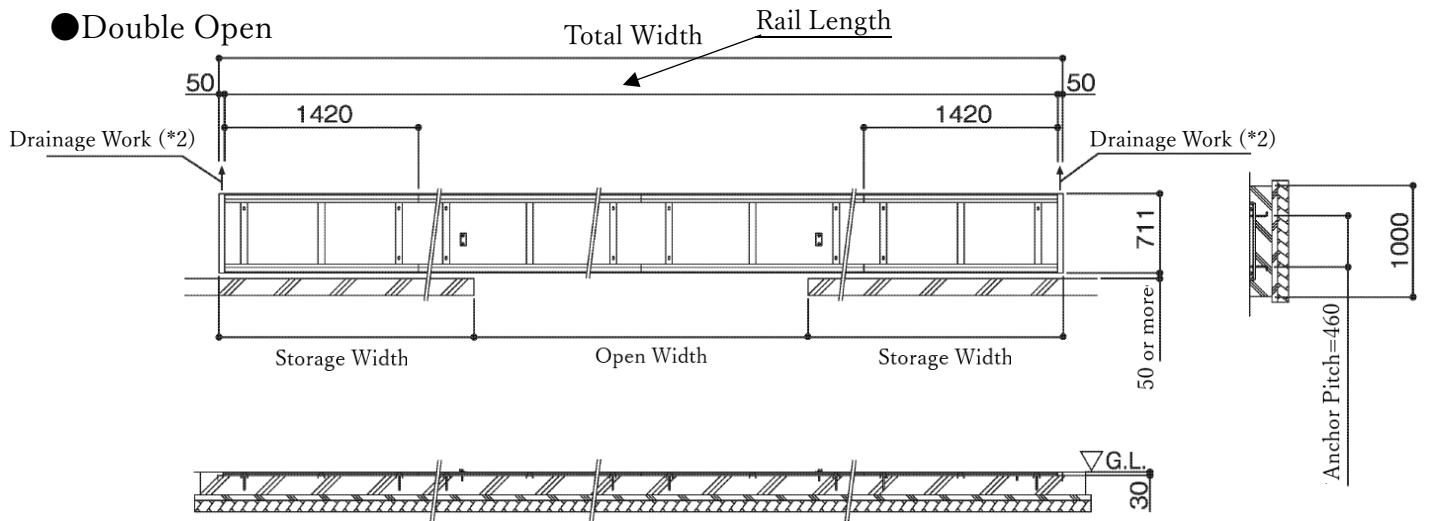
●Double Open H24, 30

	Parts Name	CODE	Size							
			6W	8W	10W	12W	14W	16W	18W	20W
	Burying Parts Box (Double Open)	UGT-K32	1	1	1	1	1	1	1	1
	Rail Parts Set (3 Connections)	FRB1			1					
	Rail Parts Set (4 Connections)	FRB2				1	1	1	1	1
	Rail Parts Set (7 Connections)	FRB5	1							
	Rail Parts Set (9 Connections)	FRB7		1	1					
	Rail Parts Set (10 Connections)	FRB8				1				
	Rail Parts Set (12 Connections)	FRB9					1			
	Rail Parts Set (14 Connections)	FRB10						1		
	Rail Parts Set (16 Connections)	FRB11							1	
	Rail Parts Set (18 Connections)	FRB12								1
	SUS Flat Rail 60-142 2PCS	FRS60-142-2	1	1	1	1	1	1	1	1
	SUS Flat Rail 60-200 1PC	FRS60-200-1	1	1	1	1	1	1	1	1
	SUS Flat Rail 60-200 2PCS	FRS60-200-2	2	3	4	5	6	7	8	9
Total			6	7	9	10	11	12	13	14

Parts List

Door Stop Post		Quantity					
Parts Name	Shape	UGT-K68	UGT-K69	UGT-K70	UGT-K71	UGT-K21	UGT-K22
Door Stop Post H14		1					
Door Stop Post H16			1				
Door Stop Post H18				1			
Door Stop Post H20					1		
Door Stop Post H24						1	
Door Stop Post H30							1
Post Space Cover H14		1					
Post Space Cover H16			1				
Post Space Cover H18				1			
Post Space Cover H20					1		
Post Space Cover H24						1	
Post Space Cover H30							1
Post Space Cover Screw Set Truss Head Self Drill Screw (φ5×25L×6 PCS)		1	1	1	1	1	1
Anchor Stick		1	1	1	1	1	1

Burying Parts		Quantity	
Parts Name	Shape	UGT-K31	UGT-K32
		Burying Parts Box S	Burying Parts Box W
Rail Attachment		4	4
Rail Positioning		1	
Post Attachment (Door Stop Post Side *With Drain Cover)		1	
Post Attachment (Storage Side *Without Drain Cover)		1	2
Post Attachment Screw Set (Single Open) Hexagon Bolt (M8×20L×8PCS) Hexagon Nut (M8×8PCS) Pan-head Screw (M5×25L×4PCS) Pan-head Screw (M5×15L×4PCS)	   	1	
Post Attachment Screw Set (Double Open) Hexagon Bolt (M8×20L×4PCS) Hexagon Nut (M8×4PCS) Pan-head Screw (M5×15L×4PCS)	  		1
Instruction Manual (Post and Rail)		1	1



●Single Open

(mm)

Set Code	Total Width	Rail Width	Open Width	Storage Width
UGT3△○○(R/L)-	S3S	6,653	5,420	3,000
	S4S	8,653	7,420	4,520
	S5S	10,653	9,420	5,520
	S6S	12,653	11,420	6,520
	S7S	14,653	13,420	7,520
	S8S	16,653	15,420	8,520
	S9S	18,653	17,420	9,520
	S10S	20,653	19,420	10,520

●Double Open

(mm)

Set Code	Total Width	Rail Width	Open Width	Storage Width
UGT3△○○(R/L)-	S6W	12,940	12,840	6,000
	S8W	16,940	16,840	8,000
	S10W	20,940	20,840	10,000
	S12W	24,940	24,840	12,000
	S14W	28,940	28,840	14,000
	S16W	32,940	32,840	16,000
	S18W	36,940	36,840	18,000
	S20W	40,940	40,840	20,000

*1 Rail(1420L) has to be installed to storage side.

*2 For drainage of water from drainage at the end of the rail, design the drainage route with considering the situation of the site.

*3 Foundation Part is basic size. Please design it with considering the situation of the site.

*4 △ in the table stands for K (Straight Type), S (Spike Type), A (Sword Type A), B (Sword Type B).

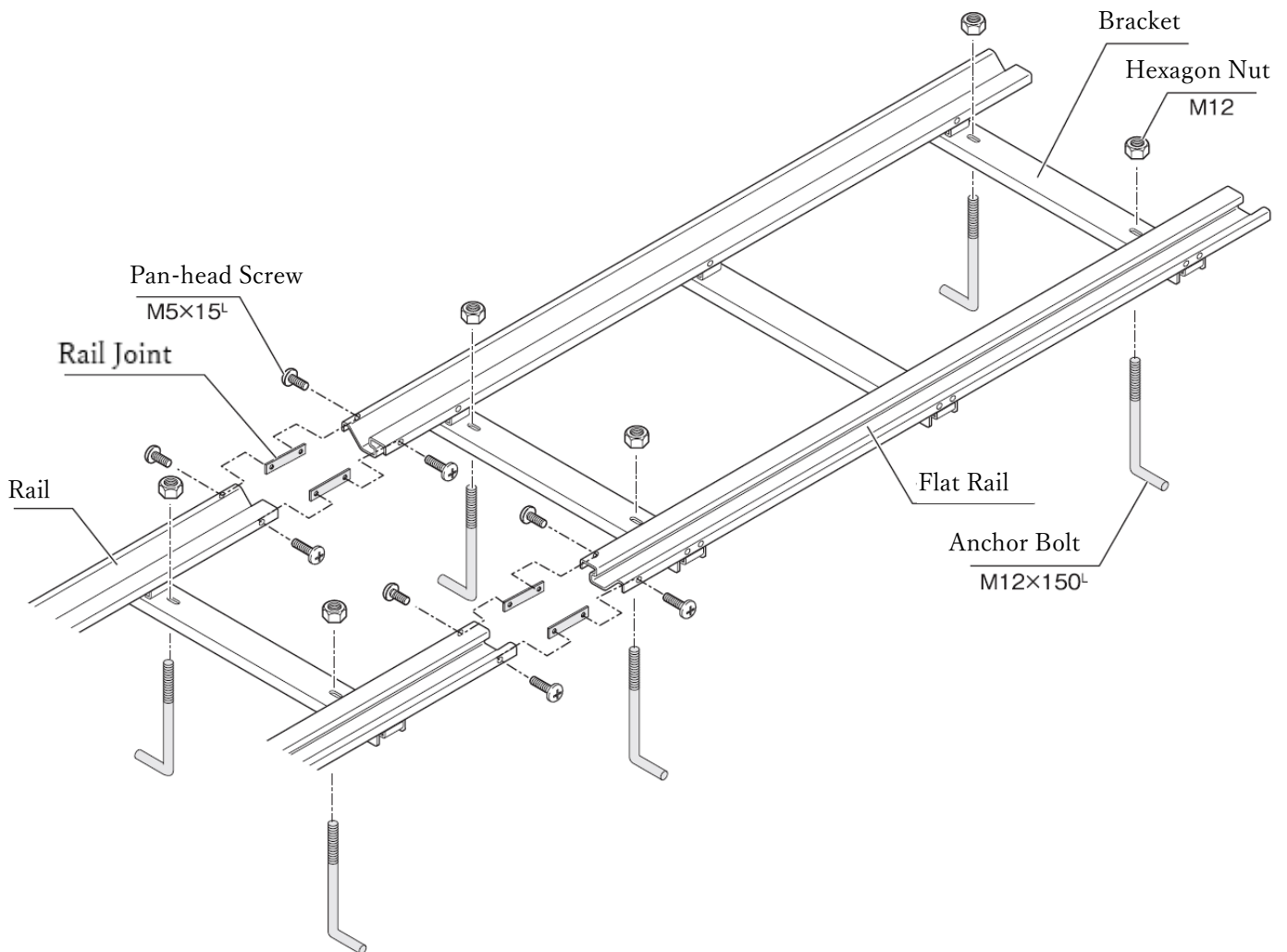
*5 ○○ in the table stands for the height (H14, 16, 18, 20, 24, 30).

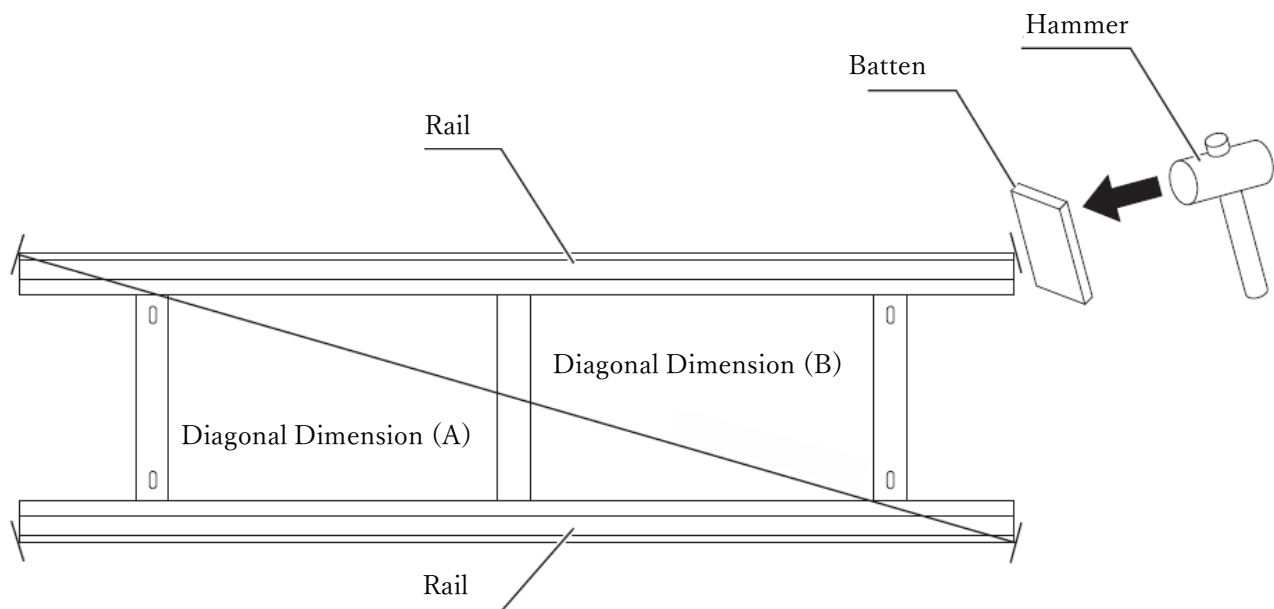
*6 (R/L) in the table stands for right side close(R), left side close (L) by looking the product from outside.

1 Installation of Rail

1. Remove any soil or sand from the installation site so that the concrete base for the rails can be thicker than the front and rear walkways.
2. Place the rails on blocks etc. to temporarily place them in place, then connect them with rail joints.
3. Adjust the height and make it level.
4. Install anchor bolts into each hole in the bracket.

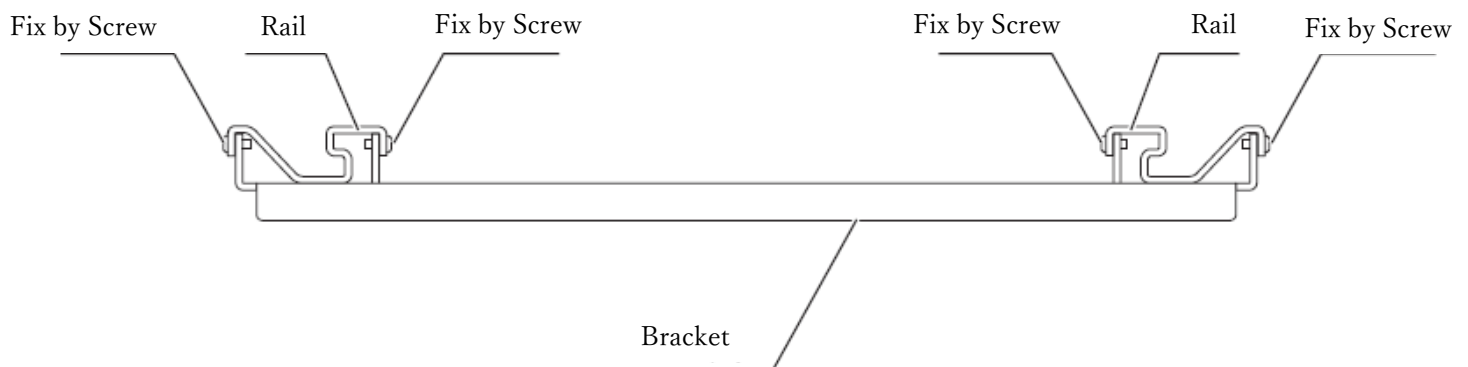
(The anchor bolts are attached to two brackets at the ends of the rail, two on each side.)





*Before installation, measure the diagonal dimensions and make sure that the difference between diagonal dimensions A and B is within 3 mm.

If it is more than 3mm, place a batten on the longer diagonal dimension and hit it with a hammer so that the diagonal dimensions A and B are equal.

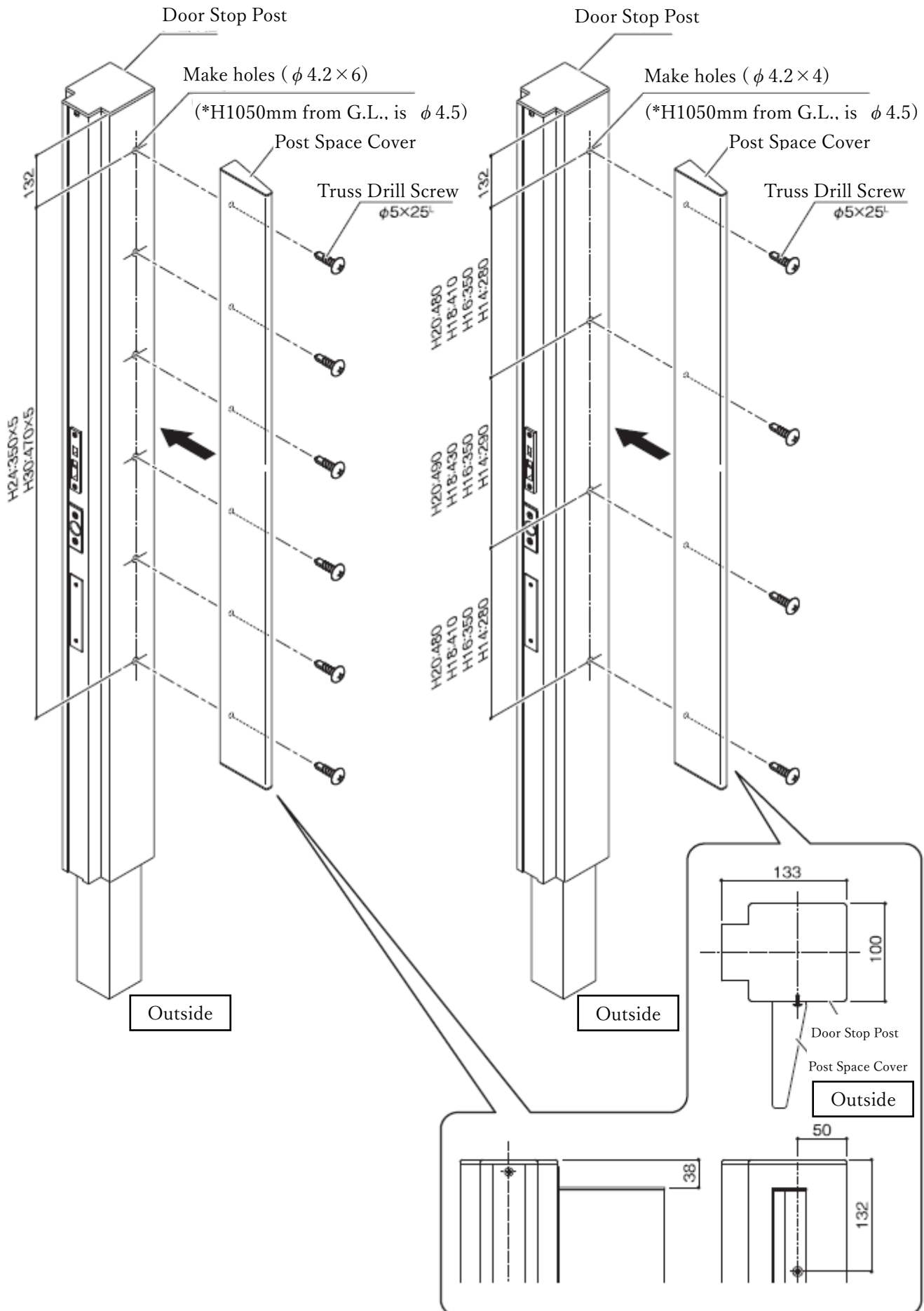


2

Installation of Post Space Cover *Single Open Only

For H24 & H30

For H14, H16, H18, & H20

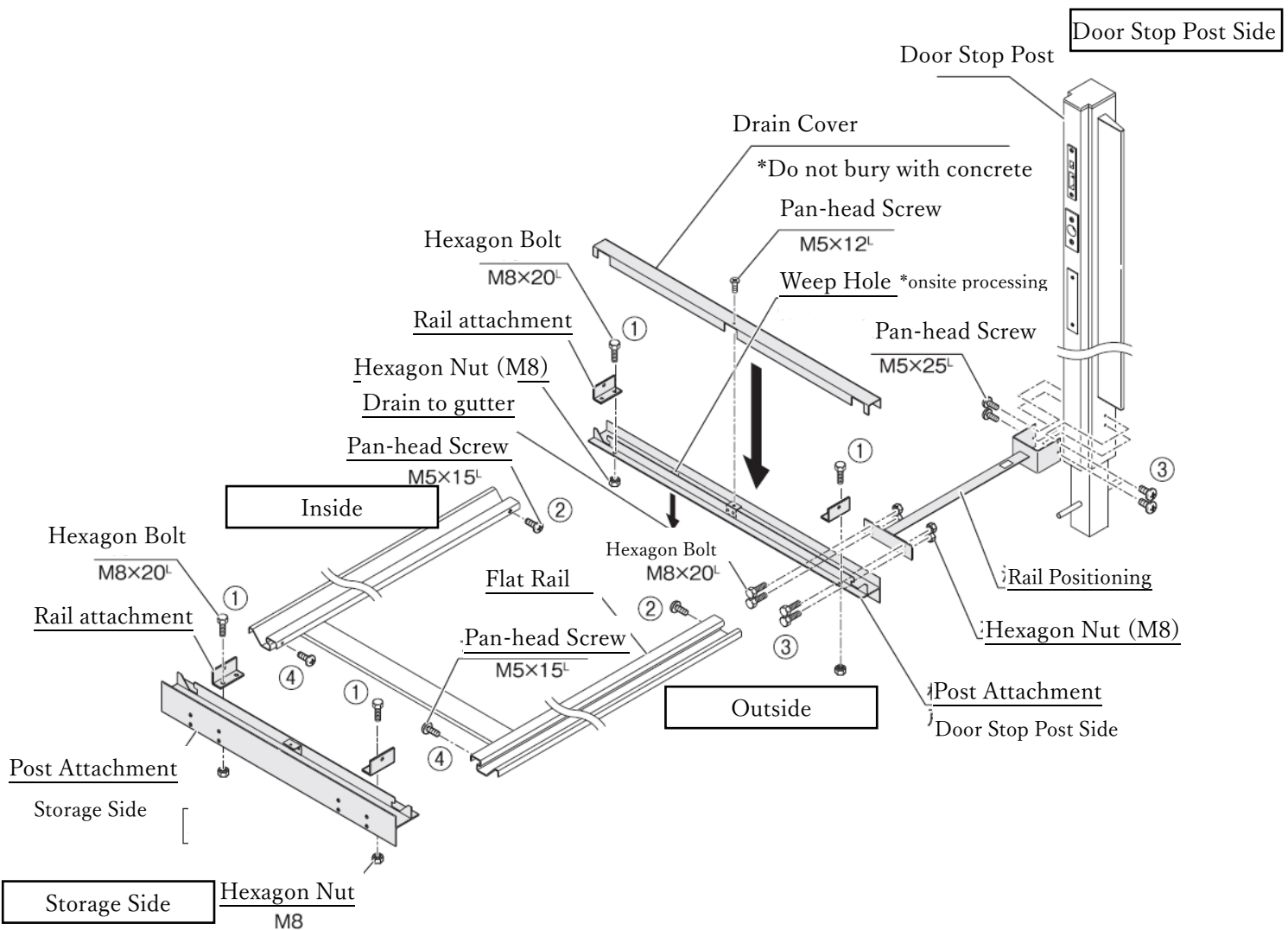


3

Installation of Post Attachment

●For Single Open

1. Install Rail attachment to post attachment. (①)
2. Connect door stop post side's post attachment to door stop post side's rail end. (②)
3. Confirm whether left or right open, connect door stop post and door stop post side's post attachment with rail positioning. (③)
4. Connect storage side's end rail to storage side's post attachment. (④)
5. Eliminate bends and gaps in rail joints by using leveling string.
6. Confirm the door stop post's vertical and parallel.
7. Remove the drain cover not to be fixed by concrete.
8. Make drainage to storage side by using post attachment.
9. Make weep hole to door stop post side's post attachment for drainage.
10. Bury rail and post by concrete.



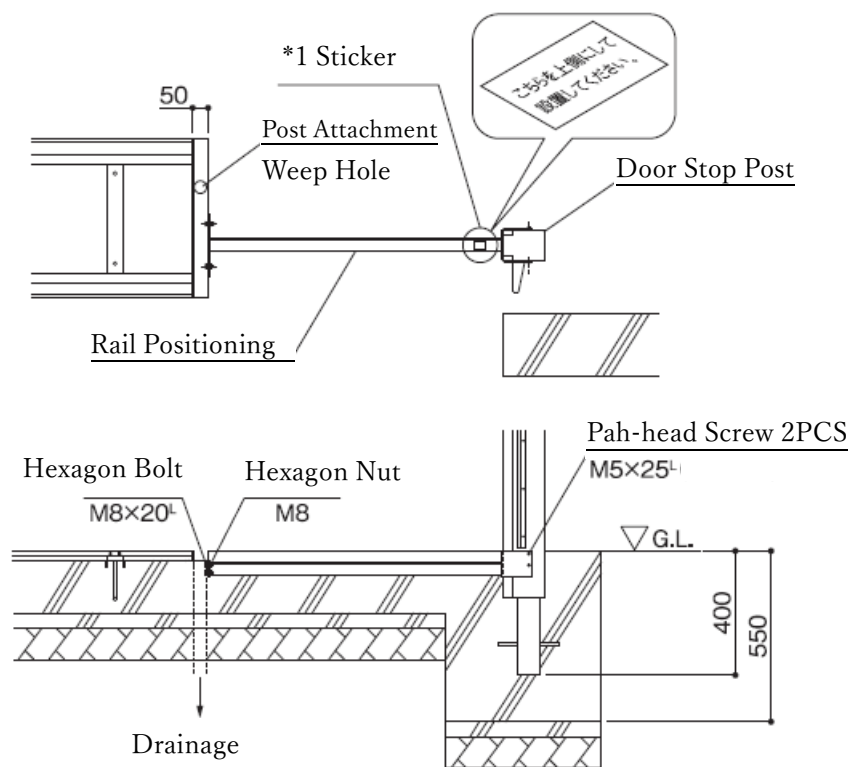
*1 Sticker must come to the upper side. If it wrong, the height of post and rail do not meet the right position.

*2 This drawing shows right side close.

The concrete between the rails should be finished flat without any water gradient.

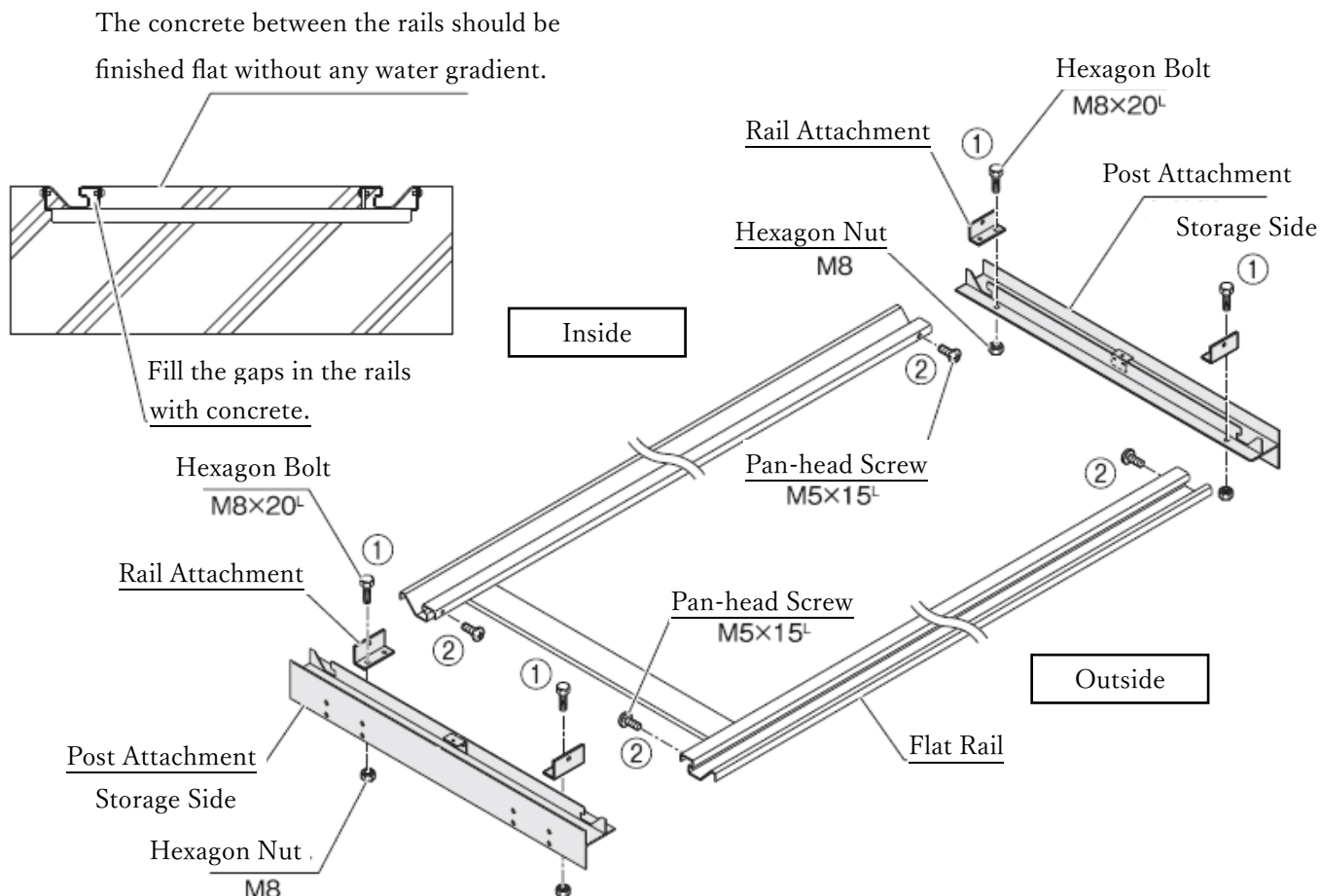


Fill the gaps in the rails with concrete.



●For Double Open

1. Install Rail attachment to post attachment. (①)
2. Connect storage side's end rail to storage side's post attachment. (②)
3. Eliminate bends and gaps in rail joints by using leveling string.
4. Confirm the door stop post's vertical and parallel.
5. Make drainage to storage side by using post attachment.
6. Bury rail and post by concrete.





SHIKOKU

Aluminum Large Slide Door

【Jul 2025】

U Series (Main Body)

Instruction Manual

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Thank you very much for purchasing our product.

Please read this instruction manual carefully before installation to use the product for a long time.

Improper handling of aluminum products during installation may cause abnormal corrosion, resulting in unexpected troubles, please pay attention to the following points.

1. Please confirm that the product is suit for the construction place's weather conditions (wind, snow, etc.).
2. To prevent damage, please do not construct this product where the snow slide directly on the product.
3. Avoid installation of the product in areas where strong winds blow, especially on cliff tops, on the roof top, or on the pathway of the wind.
4. Avoid installation of the product at places with large vertical difference such as edge. In windy areas, install the product not to be fluttered by wind. This product should be installed only on the ground.
5. The foundation drawing indicates the depth of embedding of the product. Pay sufficient attention to the amount (volume) of the foundation concrete when embedding the product in a weak ground. When the product is to be used in cold districts where frost heave is likely to occur, place foundation to the frost heave line or lower.
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8. Make it sure not to attach mortal or concrete extract on the surface and inside of the aluminum products during construction. Those extract are strong alkaline and may cause uneven color or corrosion.
9. When using bonds or chemicals which may occur the corrosion during the construction work, avoid contact to the aluminum products.

Packing List

● UGT3 H14, 16

H	CODE			Packing Name	Single Open								Double Open									
	Straight Type	Sword Type A	Sword Type B		3S	4S	5S	6S	7S	8S	9S	10S	6W	8W	10W	12W	14W	16W	18W	20W		
H14	UGT-K341	UGT-K389	UGT-K413	GT3 Basic Panel 2M-H14 R		1							1									
	UGT-K365																					
	UGT-K342	UGT-K390	UGT-K414	GT3 Basic Panel 2M-H14 L		1							1									
	UGT-K366																					
	UGT-K349	UGT-K397	UGT-K421	GT3 Basic Panel 3M-H14 R	1		1	1	1	1	1	1	1		1	1	1	1	1			
	UGT-K373																					
	UGT-K350	UGT-K398	UGT-K422	GT3 Basic Panel 3M-H14 L	1		1	1	1	1	1	1	1		1	1	1	1	1			
	UGT-K374																					
	UGT-K357	UGT-K405	UGT-K429	GT3 Connection Panel 2M-H14		1	1		2	1		2		2	2		4	2		4		
	UGT-K381																					
	UGT-K358	UGT-K406	UGT-K430	GT3 Connection Panel 3M-H14				1		1	2	1				2		2	4	2		
	UGT-K382																					
	UGT-K34			Connect Wheel Frame H14-18	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8		
	UGT-K36			Wheel Frame Post H14	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2		
	UGT-K40			Connect Wheel Frame Post H14	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8		
	UGT-K44			Lock Door Frame R H14	1	1	1	1	1	1	1	1										
	UGT-K45			Lock Door Frame L H14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	UGT-K52			Lock Catch Door Frame H14									1	1	1	1	1	1	1	1		
	UGT-K56			Joint Cover A H14		1	1	1	2	2	2	3		2	2	2	4	4	4	6		
	UGT-K60			Joint Cover B H14	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2		
	UGT-K68			Door Stop Post H14	1	1	1	1	1	1	1	1										
	*Shipped With Rail																					
H16	UGT-K343	UGT-K391	UGT-K415	GT3 Basic Panel 2M-H16 R		1							1									
	UGT-K367																					
	UGT-K344	UGT-K392	UGT-K416	GT3 Basic Panel 2M-H16 L		1							1									
	UGT-K368																					
	UGT-K351	UGT-K399	UGT-K423	GT3 Basic Panel 3M-H16 R	1		1	1	1	1	1	1	1		1	1	1	1	1			
	UGT-K375																					
	UGT-K352	UGT-K400	UGT-K424	GT3 Basic Panel 3M-H16 L	1		1	1	1	1	1	1	1		1	1	1	1	1			
	UGT-K376																					
	UGT-K359	UGT-K407	UGT-K431	GT3 Connection Panel 2M-H16		1	1		2	1		2		2	2		4	2		4		
	UGT-K383																					
	UGT-K360	UGT-K408	UGT-K432	GT3 Connection Panel 3M-H16				1		1	2	1				2		2	4	2		
	UGT-K384																					
	UGT-K34			Connect Wheel Frame H14-18	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8		
	UGT-K37			Wheel Frame Post H16	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2		
	UGT-K41			Connect Wheel Frame Post H16	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8		
	UGT-K46			Lock Door Frame R H16	1	1	1	1	1	1	1	1										
	UGT-K47			Lock Door Frame L H16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	UGT-K53			Lock Catch Door Frame H16									1	1	1	1	1	1	1	1		
	UGT-K57			Joint Cover A H16		1	1	1	2	2	2	3		2	2	2	4	4	4	6		
	UGT-K62			Joint Cover B H16	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2		
	UGT-K69			Door Stop Post H16	1	1	1	1	1	1	1	1										
	*Shipped With Rail																					

●UGT3 H18, 20

H	CODE			Packing Name	Single Open								Double Open								
	Straight Type	Sword Type A	Sword Type B		3S	4S	5S	6S	7S	8S	9S	10S	6W	8W	10W	12W	14W	16W	18W	20W	
H18	UGT-K345	UGT-K393	UGT-K417	GT3 Basic Panel 2M-H18 R		1							1								
	UGT-K369																				
	UGT-K346	UGT-K394	UGT-K418	GT3 Basic Panel 2M-H18 L		1							1								
	UGT-K370																				
	UGT-K353	UGT-K401	UGT-K425	GT3 Basic Panel 3M-H18 R	1		1	1	1	1	1	1	1		1	1	1	1	1		
	UGT-K377																				
	UGT-K354	UGT-K402	UGT-K426	GT3 Basic Panel 3M-H18 L	1		1	1	1	1	1	1	1		1	1	1	1	1		
	UGT-K378																				
	UGT-K361	UGT-K409	UGT-K433	GT3 Connection Panel 2M-H18		1	1		2	1		2		2	2		4	2		4	
	UGT-K385																				
	UGT-K362	UGT-K410	UGT-K434	GT3 Connection Panel 3M-H18				1		1	2	1				2		2	4	2	
	UGT-K386																				
	UGT-K34				Connect Wheel Frame H18-18	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8
	UGT-K38				Wheel Frame Post H18	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	UGT-K42				Connect Wheel Frame Post H18	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8
	UGT-K48				Lock Door Frame R H18	1	1	1	1	1	1	1	1								
	UGT-K49				Lock Door Frame L H18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K54				Lock Catch Door Frame H18									1	1	1	1	1	1	1	
	UGT-K58				Joint Cover A H18		1	1	1	2	2	2	3		2	2	2	4	4	4	6
	UGT-K64				Joint Cover B H18	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	UGT-K70 *Shipped With Rail				Door Stop Post H18	1	1	1	1	1	1	1	1								
H20	UGT-K347	UGT-K395	UGT-K419	GT3 Basic Panel 2M-H20 R		1								1							
	UGT-K371																				
	UGT-K348	UGT-K396	UGT-K420	GT3 Basic Panel 2M-H20 L		1								1							
	UGT-K372																				
	UGT-K355	UGT-K403	UGT-K427	GT3 Basic Panel 3M-H20 R	1		1	1	1	1	1	1	1		1	1	1	1	1		
	UGT-K379																				
	UGT-K356	UGT-K404	UGT-K428	GT3 Basic Panel 3M-H20 L	1		1	1	1	1	1	1	1		1	1	1	1	1		
	UGT-K380																				
	UGT-K363	UGT-K411	UGT-K435	GT3 Connection Panel 2M-H20		1	1		2	1		2		2	2		4	2		4	
	UGT-K387																				
	UGT-K364	UGT-K412	UGT-K436	GT3 Connection Panel 3M-H20				1		1	2	1				2		2	4	2	
	UGT-K388																				
	UGT-K35				Connect Wheel Frame H14-18	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8
	UGT-K39				Wheel Frame Post H20	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	UGT-K43				Connect Wheel Frame Post H20	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8
	UGT-K50				Lock Door Frame R H20	1	1	1	1	1	1	1	1								
	UGT-K51				Lock Door Frame L H20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K55				Lock Catch Door Frame H20									1	1	1	1	1	1	1	
	UGT-K59				Joint Cover A H20		1	1	1	2	2	2	3		2	2	2	4	4	4	6
	UGT-K66				Joint Cover B H20	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	UGT-K71 *Shipped With Rail				Door Stop Post H20	1	1	1	1	1	1	1	1								

●Common Packages

	CODE	Packing Name	Single Open								Double Open							
			3S	4S	5S	6S	7S	8S	9S	10S	6W	8W	10W	12W	14W	16W	18W	20W
	UGT-K33	1st Wheel Frame H14-20	1	1	1	1	1	1	1	1								
	UGT-K72	Parts Box S H14-20 (No connection)	1															
	UGT-K73	Parts Box S H14-20 (2 connections)		1	1	1												
	UGT-K74	Parts Box S H14-20 (3 connections)					1	1	1									
	UGT-K75	Parts Box S H14-20 (4 connections)								1								
	UGT-K76	Parts Box W H14-20 (No connection)									1							
	UGT-K77	Parts Box W H14-20 (2 connections)										1	1	1				
	UGT-K78	Parts Box W H14-20 (3 connections)													1	1	1	
	UGT-K79	Parts Box W H14-20 (4 connections)																
	UGT-K31	Burying Parts Box S	1	1	1	1	1	1	1	1								1
	UGT-K32	Burying Parts Box W									1	1	1	1	1	1	1	1
	FRB1	Rail Parts Set (3 Connections)	1										1					
	FRB2	Rail Parts Set (4 Connections)		1										1	1	1	1	1
	FRB3	Rail Parts Set (5 Connections)			1													
	FRB4	Rail Parts Set (6 Connections)				1												
	FRB5	Rail Parts Set (7 Connections)					1											
	FRB6	Rail Parts Set (8 Connections)						1										
	FRB7	Rail Parts Set (9 Connections)							1			1	1					
	FRB8	Rail Parts Set (10 Connections)								1				1				
	FRB9	Rail Parts Set (12 Connections)													1			
	FRB10	Rail Parts Set (14 Connections)														1		
	FRB11	Rail Parts Set (16 Connections)															1	
	FRB12	Rail Parts Set (18 Connections)																1
	FRS60-142-1	SUS Flat Rail 60-142 1PC	1	1	1	1	1	1	1	1								
	FRS60-142-2	SUS Flat Rail 60-142 2PCS										1	1	1	1	1	1	1
	FRS60-200-1	SUS Flat Rail 60-200 1PC									1	1	1	1	1	1	1	1
	FRS60-200-2	SUS Flat Rail 60-200 2PCS	1	1	2	2	3	3	4	4	2	3	4	5	6	7	8	9
	TOTAL		13	18	18	19	23	24	24	29	21	30	32	33	42	43	44	53

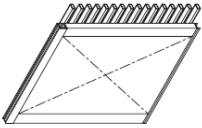
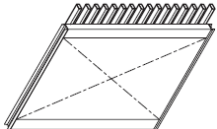
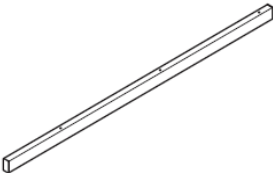
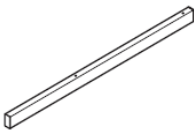
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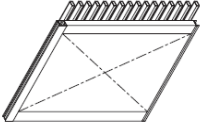
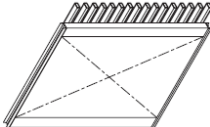
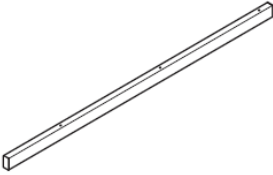
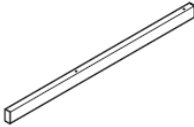
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	Straight Type	Spike Type	Sword Type A	Sword Type B		3S	4S	5S	6S	7S	8S	9S	10S	6W	8W	10W	12W	14W	16W	18W	20W
H24	UGT-K301	UGT-K301	UGT-K301	UGT-K301	GT3 Basic Panel 2M-H24 R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K333	UGT-K301	UGT-K301	UGT-K301	GT3 Basic Panel 2M-H24 R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K302	UGT-K302	UGT-K302	UGT-K302	GT3 Basic Panel 2M-H24 L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K334	UGT-K302	UGT-K302	UGT-K302	GT3 Basic Panel 2M-H24 L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K305	UGT-K305	UGT-K305	UGT-K305	GT3 Basic Panel 1M-H24 R	1		1		1		1		2		2		2		2	
	UGT-K337	UGT-K305	UGT-K305	UGT-K305	GT3 Basic Panel 1M-H24 R	1		1		1		1		2		2		2		2	
	UGT-K306	UGT-K306	UGT-K306	UGT-K306	GT3 Basic Panel 2M-H24 L		1	1	2	2	3	3	4		2	2	4	4	6	6	8
	UGT-K338	UGT-K306	UGT-K306	UGT-K306	GT3 Basic Panel 2M-H24 L		1	1	2	2	3	3	4		2	2	4	4	6	6	8
	UGT-K3				Wheel Frame Post H24	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	UGT-K5				Connect Wheel Frame Post H24	2	2	3	3	4	4	5	5	4	4	6	6	8	8	10	10
	UGT-K9				Lock Door Frame R H24	1	1	1	1	1	1	1	1								
	UGT-K10				Lock Door Frame L H24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K13				Lock Catch Door Frame H24									1	1	1	1	1	1	1	1
	UGT-K15				Joint Cover A H24	1	1	2	2	3	3	4	4	2	2	4	4	6	6	8	8
	UGT-K17				Joint Cover B R H24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K18				Joint Cover B L H24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K21 *Shipped With Rail				Door Stop Post H24	1	1	1	1	1	1	1	1								
H30	UGT-K303	UGT-K303	UGT-K303	UGT-K303	GT3 Basic Panel 2M-H30 R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K335	UGT-K303	UGT-K303	UGT-K303	GT3 Basic Panel 2M-H30 R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K304	UGT-K304	UGT-K304	UGT-K304	GT3 Basic Panel 2M-H30 L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K336	UGT-K304	UGT-K304	UGT-K304	GT3 Basic Panel 2M-H30 L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K307	UGT-K307	UGT-K307	UGT-K307	GT3 Basic Panel 1M-H30	1		1	1	1	1	1	1	1		1	1	1	1	1	1
	UGT-K339	UGT-K307	UGT-K307	UGT-K307	GT3 Basic Panel 1M-H30	1		1	1	1	1	1	1	1		1	1	1	1	1	1
	UGT-K308	UGT-K308	UGT-K308	UGT-K308	GT3 Basic Panel 2M-H30	1		1	1	1	1	1	1	1		1	1	1	1	1	1
	UGT-K340	UGT-K308	UGT-K308	UGT-K308	GT3 Basic Panel 2M-H30	1		1	1	1	1	1	1	1		1	1	1	1	1	1
	UGT-K4				Wheel Frame Post H30	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8
	UGT-K6				Connect Wheel Frame Post H30	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	UGT-K11				Lock Door Frame R H30	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8
	UGT-K12				Lock Door Frame L H30	1	1	1	1	1	1	1	1								
	UGT-K14				Lock Catch Door Frame H24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K16				Joint Cover A H30									1	1	1	1	1	1	1	1
	UGT-K19				Joint Cover B R H30		1	1	1	2	2	2	3		2	2	2	4	4	4	6
	UGT-K20				Joint Cover B L H30	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	UGT-K1				Wheel Frame Post H30	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8
	UGT-K2				Connect Wheel Frame Post H30	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	UGT-K7				Lock Door Frame R H30	1	2	2	2	3	3	3	4	2	4	4	4	6	6	6	8
	UGT-K8				Lock Door Frame L H30	1	1	1	1	1	1	1	1								
	UGT-K23				Lock Door Frame H30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UGT-K24				Joint Cover A H30									1	1	1	1	1	1	1	1
	UGT-K25				Joint Cover B R H30		1	1	1	2	2	2	3		2	2	2	4	4	4	6
	UGT-K26				Joint Cover B L H30	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	UGT-K22 *Shipped With Rail				Door Stop Post H30	1	1	1	1	1	1	1	1								

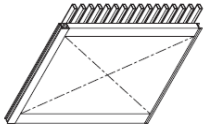
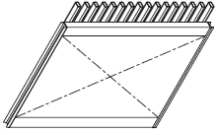
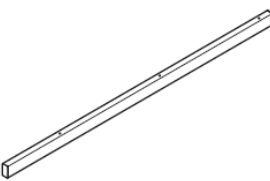
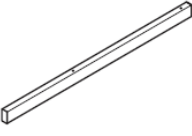
●Common Packages

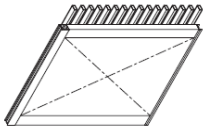
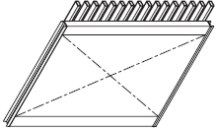
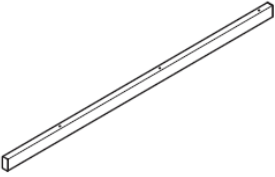
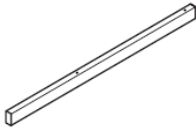
	CODE	Packing Name	Single Open								Double Open							
			3S	4S	5S	6S	7S	8S	9S	10S	6W	8W	10W	12W	14W	16W	18W	20W
	UGT-K33	1st Wheel Frame H14-20	1	1	1	1	1	1	1	1								
	UGT-K72	Parts Box S H14-20 (No connection)	1															
	UGT-K73	Parts Box S H14-20 (2 connections)		1	1	1												
	UGT-K74	Parts Box S H14-20 (3 connections)					1	1	1									
	UGT-K75	Parts Box S H14-20 (4 connections)								1								
	UGT-K76	Parts Box W H14-20 (No connection)									1							
	UGT-K77	Parts Box W H14-20 (2 connections)										1	1	1				
	UGT-K78	Parts Box W H14-20 (3 connections)													1	1	1	
	UGT-K79	Parts Box W H14-20 (4 connections)																
	UGT-K31 *Shipped with rail	Burying Parts Box S	1	1	1	1	1	1	1	1								1
	UGT-K32 *Shipped with rail	Burying Parts Box W									1	1	1	1	1	1	1	1
	FRB1 *Shipped with rail	Rail Parts Set (3 Connections)	1										1					
	FRB2 *Shipped with rail	Rail Parts Set (4 Connections)		1										1	1	1	1	1
	FRB3 *Shipped with rail	Rail Parts Set (5 Connections)			1													
	FRB4 *Shipped with rail	Rail Parts Set (6 Connections)				1												
	FRB5 *Shipped with rail	Rail Parts Set (7 Connections)					1											
	FRB6 *Shipped with rail	Rail Parts Set (8 Connections)						1										
	FRB7 *Shipped with rail	Rail Parts Set (9 Connections)							1			1	1					
	FRB8 *Shipped with rail	Rail Parts Set (10 Connections)								1				1				
	FRB9 *Shipped with rail	Rail Parts Set (12 Connections)													1			
	FRB10 *Shipped with rail	Rail Parts Set (14 Connections)														1		
	FRB11 *Shipped with rail	Rail Parts Set (16 Connections)															1	
	FRB12 *Shipped with rail	Rail Parts Set (18 Connections)																1
	FRS60-142-1 *Shipped with Door Stop Post	SUS Flat Rail 60-142 1PC	1	1	1	1	1	1	1	1								
	FRS60-142-2 *Shipped with Door Stop Post	SUS Flat Rail 60-142 2PCS										1	1	1	1	1	1	1
	FRS60-200-1 *Shipped with Door Stop Post	SUS Flat Rail 60-200 1PC									1	1	1	1	1	1	1	1
	FRS60-200-2 *Shipped with Door Stop Post	SUS Flat Rail 60-200 2PCS	1	1	2	2	3	3	4	4	2	3	4	5	6	7	8	9
	TOTAL		13	18	18	19	23	24	24	29	21	30	32	33	42	43	44	53

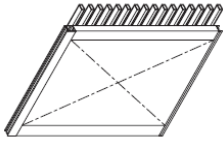
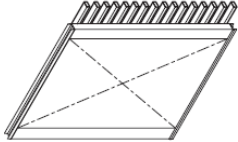
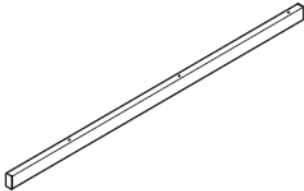
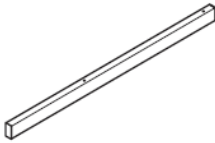
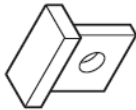
Parts List

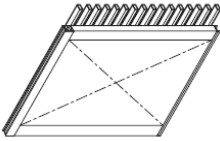
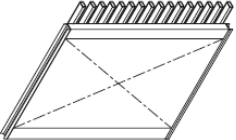
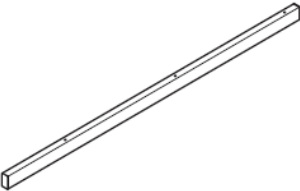
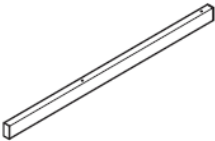
Panel H14	Ammount						
	Straight Type (BK, SC, BZ)	UGT-K341	UGT-K342	UGT-K349	UGT-K350	UGT-K357	UGT-K358
	Straight Type (SB, MB, LB)	UGT-K365	UGT-K366	UGT-K373	UGT-K374	UGT-K381	UGT-K382
	Sword Type A	UGT-K389	UGT-K390	UGT-K397	UGT-K398	UGT-K405	UGT-K406
	Sword Type B	UGT-K413	UGT-K414	UGT-K421	UGT-K422	UGT-K429	UGT-K430
	Packing Name	Basic Panel	Basic Panel	Basic Panel	Basic Panel	Connect Panel	Connect Panel
Parts Name	Shape	2M H14 R	2M H14 L	3M H14 R	3M H14 L	2M H14	3M H14
Basic Panel 2M-H14 R		1					
Basic Panel 2M-H14 L			1				
Basic Panel 3M-H14 R				1			
Basic Panel 3M-H14 L					1		
Connect Panel 2M-H14						1	
Connect Panel 3M-H14							1
Joint Streight Type H14							
Joint Sword Type A H14						1	1
Joint Sword Type B H14							
Lock Door Frame Top Straight Lattice H14							
Lock Door Frame Top Sword Type A Lattice H14		1	1	1	1		
Lock Door Frame Top Sword Type B Lattice H14							
Lock Door Frame Bottom Straight Lattice H14/16		1	1	1	1		

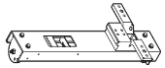
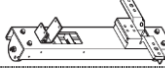
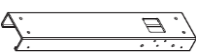
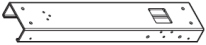
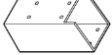
Panel H16	Ammount						
	Straight Type (BK, SC, BZ)	UGT-K343	UGT-K344	UGT-K351	UGT-K352	UGT-K359	UGT-K360
	Straight Type (SB, MB, LB)	UGT-K367	UGT-K368	UGT-K375	UGT-K376	UGT-K383	UGT-K384
	Sword Type A	UGT-K391	UGT-K392	UGT-K399	UGT-K400	UGT-K407	UGT-K408
	Sword Type B	UGT-K415	UGT-K416	UGT-K423	UGT-K424	UGT-K431	UGT-K432
Parts Name	Packing Name	Basic Panel	Basic Panel	Basic Panel	Basic Panel	Connect Panel	Connect Panel
	Shape	2M H16 R	2M H16 L	3M H16 R	3M H16 L	2M H16	3M H16
Basic Panel 2M-H16 R		1					
Basic Panel 2M-H16 L			1				
Basic Panel 3M-H16 R				1			
Basic Panel 3M-H16 L					1		
Connect Panel 2M-H16						1	
Connect Panel 3M-H16							1
Joint Streight Type H16							
Joint Sword Type A H16						1	1
Joint Sword Type B H16							
Lock Door Frame Top Straight Lattice H16							
Lock Door Frame Top Sword Type A Lattice H16		1	1	1	1		
Lock Door Frame Top Sword Type B Lattice H16							
Lock Door Frame Bottom Straight Lattice H16/16		1	1	1	1		

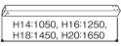
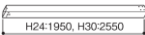
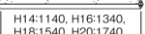
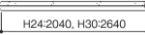
Panel H18	Amount						
	Straight Type (BK, SC, BZ)	UGT-K345	UGT-K346	UGT-K353	UGT-K354	UGT-K361	UGT-K362
	Straight Type (SB, MB, LB)	UGT-K369	UGT-K370	UGT-K377	UGT-K378	UGT-K385	UGT-K386
	Sword Type A	UGT-K393	UGT-K394	UGT-K401	UGT-K402	UGT-K409	UGT-K410
	Sword Type B	UGT-K417	UGT-K418	UGT-K425	UGT-K426	UGT-K433	UGT-K434
Parts Name	Packing Name	Basic Panel	Basic Panel	Basic Panel	Basic Panel	Connect Panel	Connect Panel
	Shape	2M H18 R	2M H18 L	3M H18 R	3M H18 L	2M H18	3M H18
Basic Panel 2M-H18 R		1					
Basic Panel 2M-H18 L			1				
Basic Panel 3M-H18 R				1			
Basic Panel 3M-H18 L					1		
Connect Panel 2M-H18						1	
Connect Panel 3M-H18							1
Joint Straight Type H18							
Joint Sword Type A H18						1	1
Joint Sword Type B H18							
Lock Door Frame Top Straight Lattice H18							
Lock Door Frame Top Sword Type A Lattice H18		1	1	1	1		
Lock Door Frame Top Sword Type B Lattice H18							
Lock Door Frame Bottom Straight Lattice H18/16		1	1	1	1		

Panel H20	Ammount						
	Straight Type (BK, SC, BZ)	UGT-K347	UGT-K348	UGT-K355	UGT-K356	UGT-K363	UGT-K364
	Straight Type (SB, MB, LB)	UGT-K371	UGT-K372	UGT-K379	UGT-K380	UGT-K387	UGT-K388
	Sword Type A	UGT-K395	UGT-K396	UGT-K403	UGT-K404	UGT-K411	UGT-K412
	Sword Type B	UGT-K419	UGT-K420	UGT-K427	UGT-K428	UGT-K435	UGT-K436
	Packing Name	Basic Panel	Basic Panel	Basic Panel	Basic Panel	Connect Panel	Connect Panel
Parts Name	Shape	2M H20 R	2M H20 L	3M H20 R	3M H20 L	2M H20	3M H20
Basic Panel 2M-H20 R		1					
Basic Panel 2M-H20 L			1				
Basic Panel 3M-H20 R				1			
Basic Panel 3M-H20 L					1		
Connect Panel 2M-H20						1	
Connect Panel 3M-H20							1
Joint Streight Type H20							
Joint Sword Type A H20						1	1
Joint Sword Type B H20							
Lock Door Frame Top Straight Lattice H20							
Lock Door Frame Top Sword Type A Lattice H20		1	1	1	1		
Lock Door Frame Top Sword Type B Lattice H20							
Lock Door Frame Bottom Straight Lattice H20/16		1	1	1	1		

Panel H24	Ammount				
	Straight Type (BK, SC, BZ)	UGT-K301	UGT-K302	UGT-K305	UGT-K306
	Straight Type (SB, MB, LB)	UGT-K333	UGT-K334	UGT-K337	UGT-K338
	Spike Type	UGT-K309	UGT-K310	UGT-K313	UGT-K314
	Sword Type A	UGT-K317	UGT-K318	UGT-K321	UGT-K322
	Sword Type B	UGT-K325	UGT-K326	UGT-K329	UGT-K330
	Packing Name	Basic Panel	Basic Panel	Connect Panel	Connect Panel
Parts Name	Shape	2M H24 R	2M H24 L	1M H24	2M H24
Basic Panel 2M-H24 R		1			
Basic Panel 2M-H24 L			1		
				1	
					1
Connect Panel 1M-H24				1	1
Connect Panel 2M-H24		1	1		
Joint Streight Type H24					
Joint Spike Type H24				1	1
Joint Sword Type A H24					
Joint Sword Type B H24					
Lock Door Frame Top Straight Lattice H24					
Lock Door Frame Top Spike Type Lattice H24		1	1		
Lock Door Frame Top Sword Type A Lattice H24					
Lock Door Frame Top Sword Type B Lattice H24					
Lock Door Frame Bottom Straight Lattice H24/24		1	1		
Spike Type Crossrail Base/Cover (Basic Panel) L=131 (Connect Panel) L=144		1	1	1	1
Spike Type Crossrail Cap		2	2	2	2
Spike Type Crossrail Screw Set Truss Tapping Screw $\phi 4 \times 10L \times 2PCS$ $\phi 4 \times 6L \times 2PCS$		1	1	1	1

Panel H30	Amount				
	Straight Type (BK, SC, BZ)	UGT-K303	UGT-K304	UGT-K307	UGT-K308
	Straight Type (SB, MB, LB)	UGT-K335	UGT-K336	UGT-K339	UGT-K340
	Spike Type	UGT-K311	UGT-K312	UGT-K315	UGT-K316
	Sword Type A	UGT-K319	UGT-K320	UGT-K323	UGT-K324
	Sword Type B	UGT-K327	UGT-K328	UGT-K331	UGT-K332
	Packing Name	Basic Panel	Basic Panel	Connect Panel	Connect Panel
Parts Name	Shape	2M H30 R	2M H30 L	1M H30	2M H30
Basic Panel 2M-H30 R		1			
Basic Panel 2M-H30 L			1		
				1	
					1
Connect Panel 1M-H30				1	1
Connect Panel 2M-H30		1	1		
Joint Streight Type H30					
Joint Spike Type H30				1	1
Joint Sword Type A H30					
Joint Sword Type B H30					
Lock Door Frame Top Straight Lattice H30					
Lock Door Frame Top Spike Type Lattice H30		1	1		
Lock Door Frame Top Sword Type A Lattice H30					
Lock Door Frame Top Sword Type B Lattice H30					
Lock Door Frame Bottom Straight Lattice H30/30		1	1		
Spike Type Crossrail Base/Cover (Basic Panel) L=131 (Connect Panel) L=144		1	1	1	1
Spike Type Crossrail Cap		2	2	2	2
Spike Type Crossrail Screw Set Truss Tapping Screw $\phi 4 \times 10L \times 2PCS$ $\phi 4 \times 6L \times 2PCS$		1	1	1	1

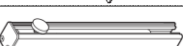
1st Wheel Frame/Connect Wheel Frame/Brace		Amount						
		UGT-K33	UGT-K1	UGT-K34	UGT-K35	UGT-K2	UGT-K7	UGT-K8
Parts Name	Shape	1st Door Wheel H14-20	1st Door Wheel H24-30	Connect Door Wheel H14-18	Connect Door Wheel H20	Connect Door Wheel H24-30	1st Door Wheel Brace	Connect Door Wheel Brace
1st Wheel Frame H14-20		1						
1st Wheel Frame H24-30			1					
Connect Wheel Frame H14-20				1	1			
Connect Wheel Frame H24-30						1		
Wheel Set (with fall prevention plate)					2	2		
Wheel Set K (with fall prevention plate)				2				
1st Wheel Frame Fall Prevention Hook (with screw)		2	2					
Vertical Door Frame Pedestal				1	1	1		
1st Caster		1	1					
1st Caster Attachment		1	1					
Spacer		3	3					
Wheel Frame Cap		2	2	2	2	2		
Inspection Hole Cover		1	1					
Wheel Frame Reinforcement F				1	1			
Wheel Frame Reinforcement A						1		
Wheel Frame Post Connector		1	1					
Brace Bracket (Bottom)						1		
Connect Wheel Frame Brace Back Plate						1		
1st Wheel Frame Screw Set Truss Screw (M5 × 14L × 4PCS) Cross Recessed Hexagon Head Bolt (M8 × 30L × 4PCS) Cross Recessed Hexagon Head Bolt (M8 × 20L × 4PCS) Truss Screw (M4 × 6L × 4PCS)		1	1					
								
								
								
Brace Side A								1
Brace Side B							1	
Brace Vertical							1	1

Wheel Frame Post/Connect Wheel Frame Post		Amount											
		UGT-K36	UGT-K37	UGT-K38	UGT-K39	UGT-K3	UGT-K4	UGT-K40	UGT-K41	UGT-K42	UGT-K43	UGT-K5	UGT-K6
		Wheel Frame Post H14	Wheel Frame Post H16	Wheel Frame Post H18	Wheel Frame Post H20	Wheel Frame Post H24	Wheel Frame Post H30	Connect Wheel Frame Post H14	Connect Wheel Frame Post H16	Connect Wheel Frame Post H18	Connect Wheel Frame Post H20	Connect Wheel Frame Post H24	Connect Wheel Frame Post H30
Parts Name	Shape												
Wheel Frame Post H14		1											
Wheel Frame Post H16			1										
Wheel Frame Post H18				1									
Wheel Frame Post H20					1								
Wheel Frame Post H24						1							
Wheel Frame Post H30							1						
Wheel Frame Post Cap		1	1	1	1	1	1						
Wheel Frame Post Screw Set Truss Screw (M6 × 12L × 8PCS) Truss Screw (M4 × 10L × 2PCS) Cross Recessed Hexagon Head Bolt (M6 × 30L × 2PCS) Cross Recessed Hexagon Head Bolt (M8 × 30L × 4PCS)													
													
		1	1	1	1	1	1						
													
Connect Wheel Frame Post H14								1					
Connect Wheel Frame Post H16									1				
Connect Wheel Frame Post H18										1			
Connect Wheel Frame Post H20											1		
Connect Wheel Frame Post H24												1	
Connect Wheel Frame Post H30													1
Connect Wheel Frame Post Screw Set H14-20 Truss Screw (M5 × 14L × 4PCS) Hexagon Bolt (M8 × 25L × 4PCS) Hexagon Bolt (M10 × 60L × 4PCS) Hexagon Bolt (M8 × 20L × 4PCS)													
								1	1	1	1		
													
													
Connect Wheel Frame Post Screw Set H24-30 Truss Screw (M5 × 14L × 4PCS) Hexagon Bolt (M8 × 25L × 4PCS) Hexagon Bolt (M10 × 40L × 4PCS) Hexagon Bolt (M8 × 20L × 4PCS) Cross Recessed Hexagon Head Bolt (M8 × 20L × 3PCS)													
													
												1	1
													
													

Lock Door Frame		Amount											
		UGT-K44	UGT-K46	UGT-K48	UGT-K50	UGT-K9	UGT-K11	UGT-K45	UGT-K47	UGT-K49	UGT-K51	UGT-K10	UGT-K12
		Lock Door Frame R H14	Lock Door Frame R H16	Lock Door Frame R H18	Lock Door Frame R H20	Lock Door Frame R H24	Lock Door Frame R H30	Lock Door Frame L H14	Lock Door Frame L H16	Lock Door Frame L H18	Lock Door Frame L H20	Lock Door Frame L H24	Lock Door Frame L H30
Parts Name	Shape												
Lock Door Frame R H14		1											
Lock Door Frame R H16			1										
Lock Door Frame R H18				1									
Lock Door Frame R H20					1								
Lock Door Frame R H24						1							
Lock Door Frame R H30							1						
Lock Door Frame L H14								1					
Lock Door Frame L H16									1				
Lock Door Frame L H18										1			
Lock Door Frame L H20											1		
Lock Door Frame L H24												1	
Lock Door Frame L H30													1

Lock Catch Door Frame		Ammount					
		UGT-K44	UGT-K46	UGT-K48	UGT-K50	UGT-K9	UGT-K11
Parts Name	Shape	Lock Catch Door Frame H14	Lock Catch Door Frame H16	Lock Catch Door Frame H18	Lock Catch Door Frame H20	Lock Catch Door Frame H24	Lock Catch Door Frame H30
Lock Catch Door Frame H14		1					
Lock Catch Door Frame H16			1				
Lock Catch Door Frame H18				1			
Lock Catch Door Frame H20					1		
Lock Catch Door Frame H24						1	
Lock Catch Door Frame H30							1

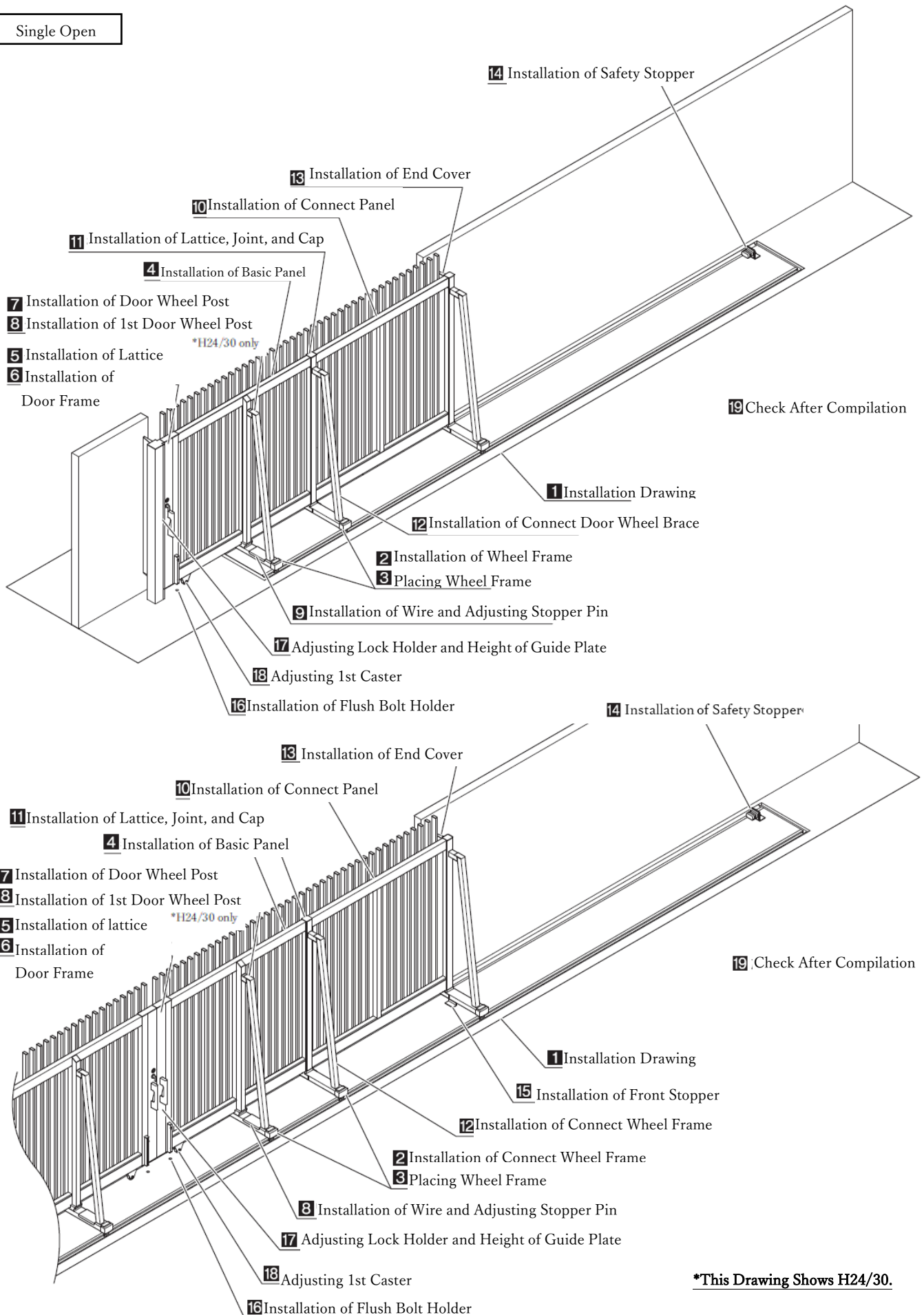
Joint Cover		Amount													
		UGT-K56 Joint Cover A H14	UGT-K57 Joint Cover A H16	UGT-K58 Joint Cover A H18	UGT-K59 Joint Cover A H20	UGT-K15 Joint Cover A H24	UGT-K16 Joint Cover A H30	UGT-K60 Joint Cover B H14	UGT-K62 Joint Cover B H16	UGT-K64 Joint Cover B H18	UGT-K66 Joint Cover B H20	UGT-K17 Joint Cover B-R H24	UGT-K18 Joint Cover B-L H30	UGT-K19 Joint Cover B-R H30	UGT-K20 Joint Cover B-L H30
Parts Name	Shape														
Joint Cover A H14	 (without processing)	1						1							
Joint Cover A H16			1						1						
Joint Cover A H18				1						1					
Joint Cover A H20					1						1				
Joint Cover A H24	 (with square hole)					1						1	1		
Joint Cover A H30							1							1	1
Joint Cover B H14	 (with 3 holes × 2)	1													
Joint Cover B H16			1												
Joint Cover B H18	 (with 3 holes × 3)			1											
Joint Cover B H20					1										
Joint Cover B H24						1									
Joint Cover B H30							1								
Joint Cover C H14	 (with 4 holes)							1							
Joint Cover C H16									1						
Joint Cover C H18										1					
Joint Cover C H20											1				
Joint Cover C H24	 (with 6 holes)											1	1		
Joint Cover C H30														1	1
End Cover H14								1							
End Cover H16									1						
End Cover H18										1					
End Cover H20											1				
End Cover R H24												1			
End Cover L H24													1		
End Cover R H30														1	
End Cover L H30															1
End Space Cover H14								1							
End Space Cover H16	 (with 4 holes)								1						
End Space Cover H18										1					
End Space Cover H20											1				
End Space Cover H24												1	1		
End Space Cover H30	 (with 6 holes)													1	1

Parts Box (H14/16/18/20)		Amount							
		UGT-K72	UGT-K73	UGT-K74	UGT-K75	UGT-K76	UGT-K77	UGT-K78	UGT-K79
Parts Name	Shape	Parts Box S (No Connection)	Parts Box S (2 Connections)	Parts Box S (3 Connections)	Parts Box S (4 Connections)	Parts Box W (No Connection)	Parts Box W (2 Connections)	Parts Box W (3 Connections)	Parts Box W (4 Connections)
Safety Stopper		1	1	1	1	2	2	2	2
Front Stopper L						2	2	2	2
Main Body Stopper R						1	1	1	1
Main Body Stopper L						1	1	1	1
Panel Fix Parts R		1	1	1	1	2	2	2	2
Panel Fix Parts			2	4	6		4	8	12
Flush Bolt Set		1	1	1	1	2	2	2	2
Flush Bolt Holder		2	2	2	2	4	4	4	4
Connect Panel Post Cap		1	2	3	4	2	4	6	8
Lock Door Frame Cap		2	2	2	2	4	4	4	4
Rail Cleaner		1	1	1	1	1	1	1	1
Basic Panel Screw Set (H14~20) Truss Screw (M5 × 12L × 7PCS) Hexagon Bolt (M6 × 16L × 1PC) Hexagon U Nut (M6 × 1PC) Truss Screw (M6 × 25L × 1PC) Cross Recessed Hexagon Head Bolt (M5 × 16L × 2PCS) Truss Screw (M5 × 12L × 3PC) Bolt Cap (φ 13 × 4PCS) Hexagon Bolt (M8 × 20L × 2PCS) Truss Screw (M6 × 10L × 20PCS) Truss Screw (M4 × 8L × 2PCS)		1	1	1	1	2	2	2	2
									
									
									
									
									
									
									
									
									
Connect Panel Screw Set (H14~20) Hexagon Bolt (M8 × 20L × 4PCS) Truss Screw (M6 × 10L × 20PCS) Truss Screw (M4 × 8L × 2PCS) Pan-head Drill Screw (M5 × 15L × 3PCS)			1	2	3		2	4	6
									
									
									
Joint Cover Screw Set Truss Self Drill Screw (φ 5 × 25L × 6PCS)		1	1	1	1	2	2	2	2
Flush Bolt Screw Set Hexagon Socket Flat Head Bolt (M6 × 16L × 2PCS)		1	1	1	1	2	2	2	2
Hook Holder/Main Body Stopper Screw Set Hexagon Bolt (M8 × 20L × 2PCS)						2	2	2	2
Anchor Bolt Set S Post Installed Anchor (M10 × 100L × 2PCS)		1	1	1	1				
Anchor Bolt Set S Post Installed Anchor (M10 × 100L × 4PCS)						2	2	2	2
Instruction Manual		1	1	1	1	1	1	1	1
Operating Instruction		1	1	1	1	1	1	1	1
For Customer		1	1	1	1	1	1	1	1

Parts Box (H24/30)		Amount							
		UGT-K23 Parts Box S (No Connection)	UGT-K24 Parts Box S (2 Connections)	UGT-K25 Parts Box S (3 Connections)	UGT-K26 Parts Box S (4 Connections)	UGT-K27 Parts Box W (No Connection)	UGT-K28 Parts Box W (2 Connections)	UGT-K29 Parts Box W (3 Connections)	UGT-K30 Parts Box W (4 Connections)
Parts Name	Shape								
Safety Stopper		1	1	1	1	2	2	2	2
Front Stopper L						2	2	2	2
Main Body Stopper R						1	1	1	1
Main Body Stopper L						1	1	1	1
Panel Fix Parts R		1	1	1	1	2	2	2	2
Panel Fix Parts		2	4	6	8	4	8	12	16
Flush Bolt Set		1	1	1	1	2	2	2	2
Flush Bolt Holder		2	2	2	2	4	4	4	4
Connect Panel Post Cap		2	3	4	5	4	6	8	10
Lock Door Frame Cap		2	2	2	2	4	4	4	4
Brace Bracket (Upper)		3	4	5	6	6	8	10	12
Brace End Cover		2	2	2	2	4	4	4	4
Rail Cleaner		1	1	1	1	1	1	1	1
Basic Panel Screw Set (H14-20) Bolt Cap (φ13×5PCS) Hexagon Bolt (M8×20L×2PCS) Hexagon Bolt (M6×16L×1PC) Hexagon U Nut (M6×1PC) Truss Screw (M6×25L×1PC) Truss Screw (M5×12L×4PC) Cross Recessed Hexagon Head Bolt (M6×20L×8PCS) Truss Screw (M5×12L×7PC) Truss Screw (M4×8L×2PCS) Truss Screw (M5×15L×14PCS) Truss Screw (M6×12L×8PCS)		1	1	1	1	2	2	2	2
									
									
									
									
									
									
									
									
									
									
									
									
Connect Panel Screw Set (H14-20) Truss Screw (M6×10L×24PCS) Hexagon Bolt (M8×20L×4PCS) Pan-head Drill Screw (M5×15L×3PCS) Cross Recessed Hexagon Head Bolt (M6×20L×4PCS) Truss Screw (M4×8L×2PCS) Truss Screw (M5×15L×8PCS) Truss Screw (M6×12L×4PCS)		1	2	3	4	2	4	6	8
									
									
									
									
									
									
Joint Cover Screw Set Truss Self Drill Screw (φ5×25L×6PCS)		1	1	1	1	2	2	2	2
Flush Bolt Screw Set Hexagon Socket Flat Head Bolt (M6×16L×2PCS)		1	1	1	1	2	2	2	2
Hook Holder/Main Body Stopper Screw Set Hexagon Bolt (M8×20L×2PCS)						2	2	2	2
Anchor Bolt Set S Post Installed Anchor (M10×100L×2PCS)		1	1	1	1				
Anchor Bolt Set S Post Installed Anchor (M10×100L×4PCS)						2	2	2	2
Instruction Manual		1	1	1	1	1	1	1	1
Operating Instruction		1	1	1	1	1	1	1	1
For Customer		1	1	1	1	1	1	1	1

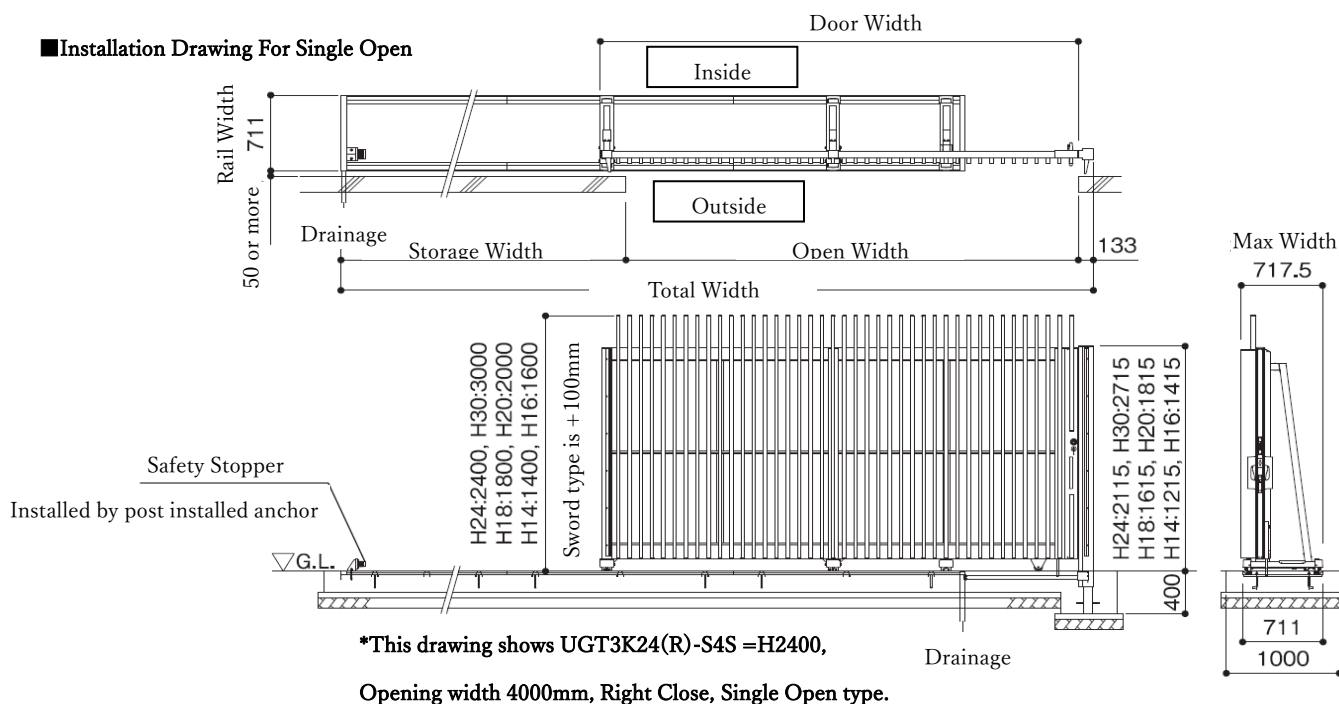
Construction Flow

Single Open

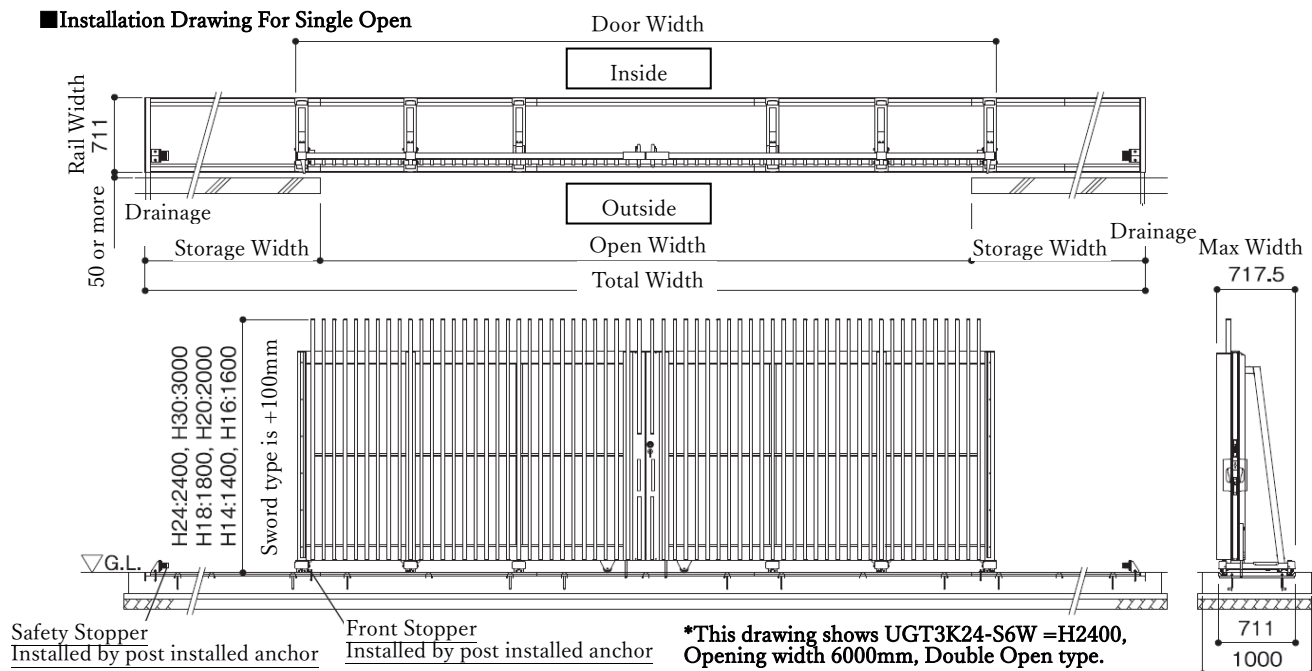


1 Installation Drawing

■ Installation Drawing For Single Open



■ Installation Drawing For Single Open



● Single Open

Code	Total Width	Rail Width	Open Width	Storage Width
	(mm)	(mm)	(mm)	(mm)
UGT3△	○○(R/L)-S3S	6,653	5,420	3,000
	○○(R/L)-S4S	8,653	7,420	4,000
	○○(R/L)-S5S	10,653	9,420	5,000
	○○(R/L)-S6S	12,653	11,420	6,000
	○○(R/L)-S7S	14,653	13,420	7,000
	○○(R/L)-S8S	16,653	15,420	8,000
	○○(R/L)-S9S	18,653	17,420	9,000
	○○(R/L)-S10S	20,653	19,420	10,000

● Double Open

Code	Total Width	Rail Width	Open Width	Storage Width
	(mm)	(mm)	(mm)	(mm)
UGT3△	○○(R/L)-S6W	12,940	12,840	6,000
	○○(R/L)-S8W	16,940	16,840	8,000
	○○(R/L)-S10W	20,940	20,840	10,000
	○○(R/L)-S12W	24,940	24,840	12,000
	○○(R/L)-S14W	28,940	28,840	14,000
	○○(R/L)-S16W	32,940	32,840	16,000
	○○(R/L)-S18W	36,940	36,840	18,000
	○○(R/L)-S20W	40,940	40,840	20,000

*1. The shortest connect panel in the set should come to storage side.

(H14~20 have 2m and 3m panels) (H24/30 have 1m and 2m panels.)

*2. △ in the table stands for K: Straight Type, S: Spike Type, A: Sword Type A, B: Sword Type B.

*3. ○○ in the table stands for the height 14, 16, 18, 20, 24, 30.

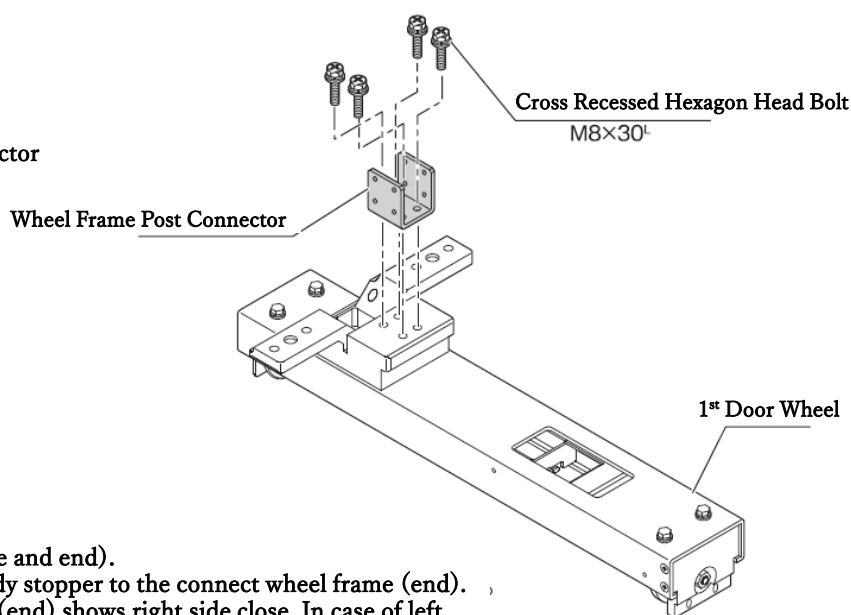
*4 (R/L) in the table stands for Right side close or Left side Close by looking the gate from outside.

2 Installation of Wheel Frame

■ H14/16/18/20

Installation of 1st Door Wheel

1. Install Wheel Frame Post Connector

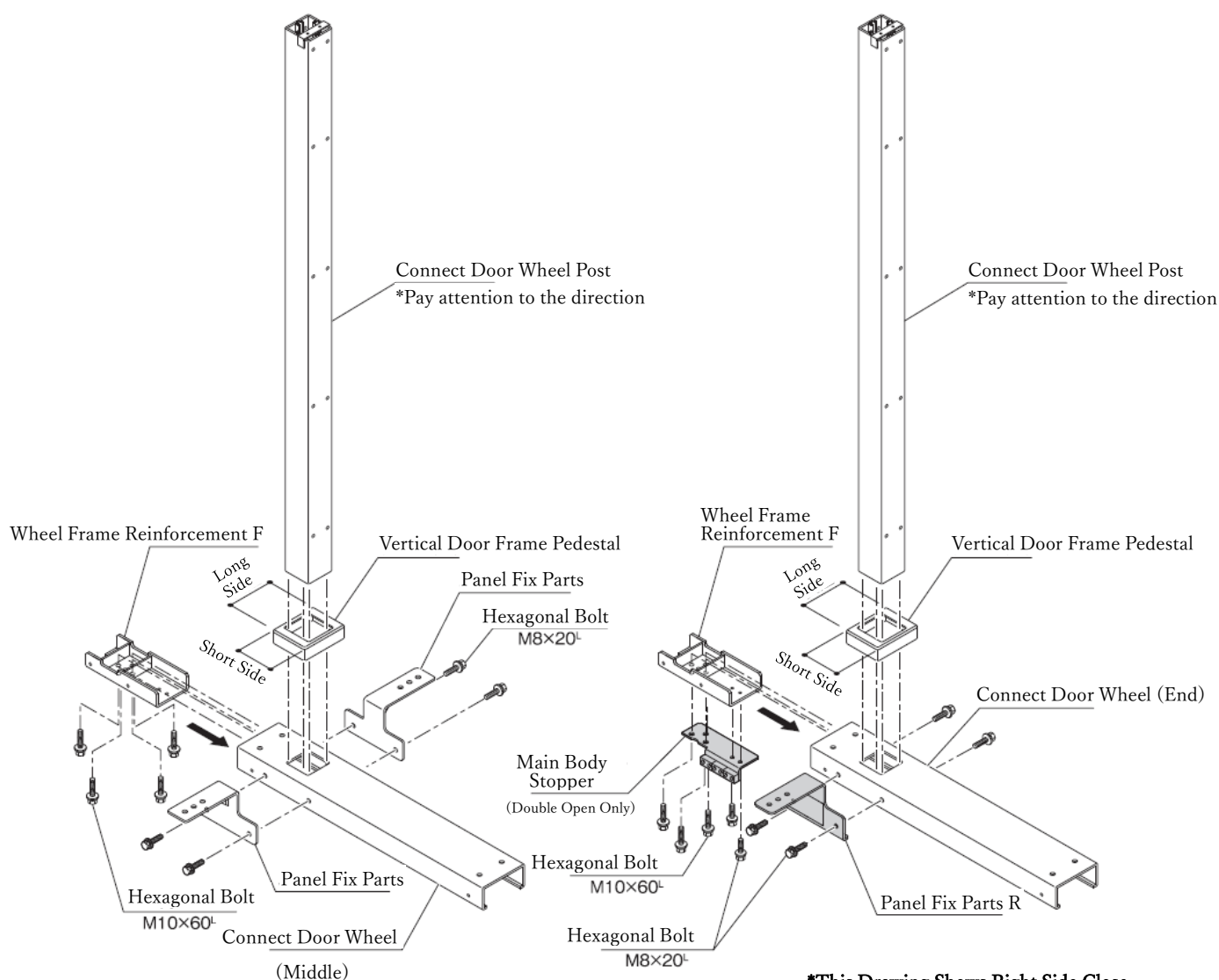


Installation of Connect Wheel Frame

1. Assemble connect wheel frame (middle and end).
2. In case of double open, install main body stopper to the connect wheel frame (end).
*The drawing of connect wheel frame (end) shows right side close. In case of left side close, install the parts opposite side.

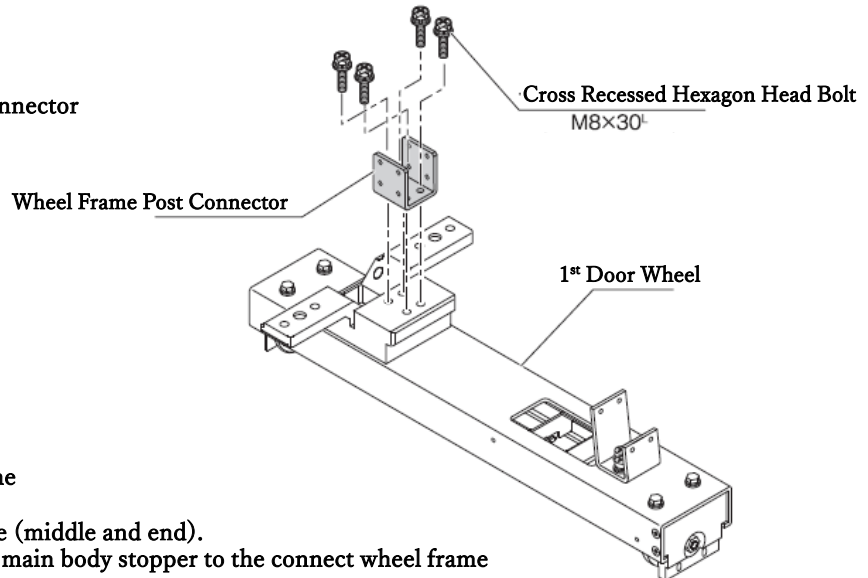
Connect Door Wheel (Middle)

Connect Door Wheel (End)



Installation of 1st Door Wheel

1. Install Wheel Frame Post Connector

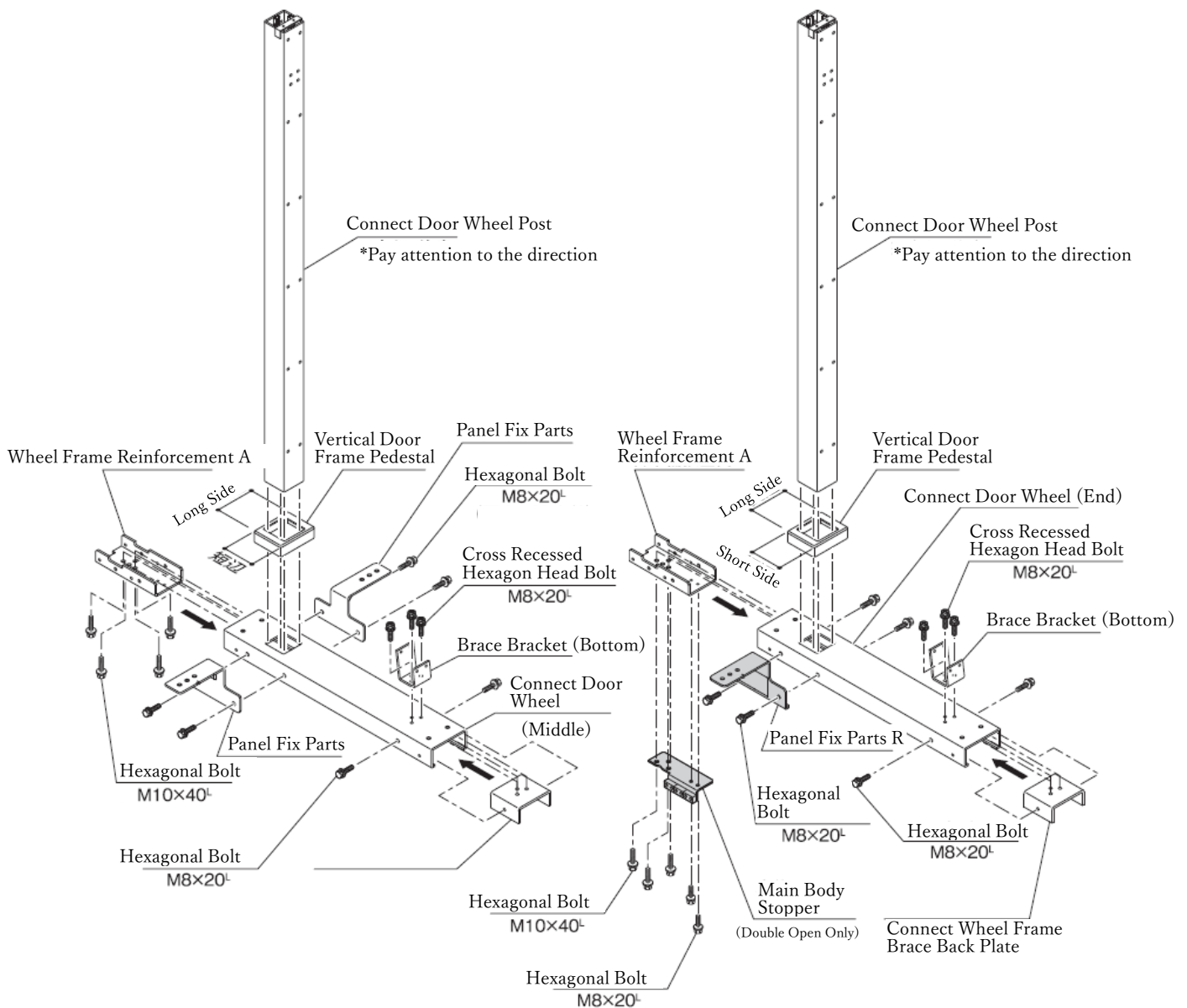


Installation of Connect Wheel Frame

1. Assemble connect wheel frame (middle and end).
 2. In case of double open, install main body stopper to the connect wheel frame (end).
- *The drawing of connect wheel frame (end) shows right side close. In case of left side close, install the parts opposite side.

Connect Door Wheel (Middle)

Connect Door Wheel (End)



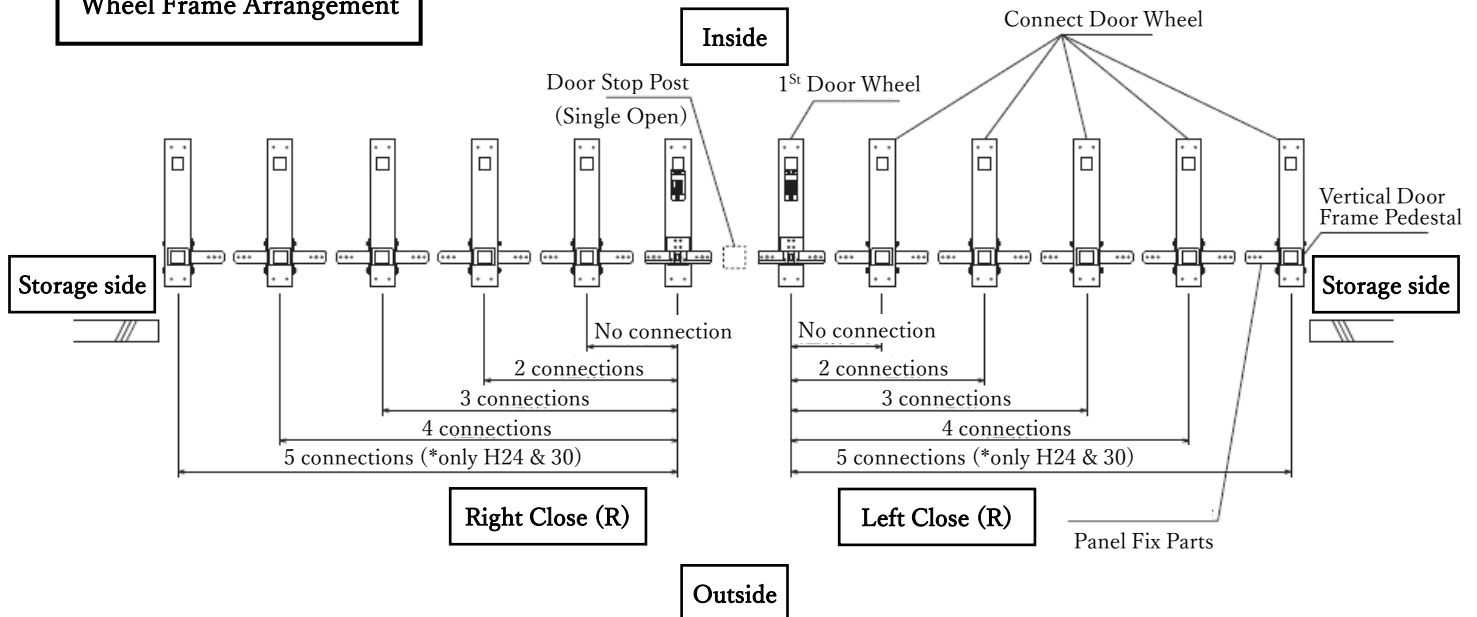
*This Drawing Shows Right Side Close

3

Installation of Wheel Frame

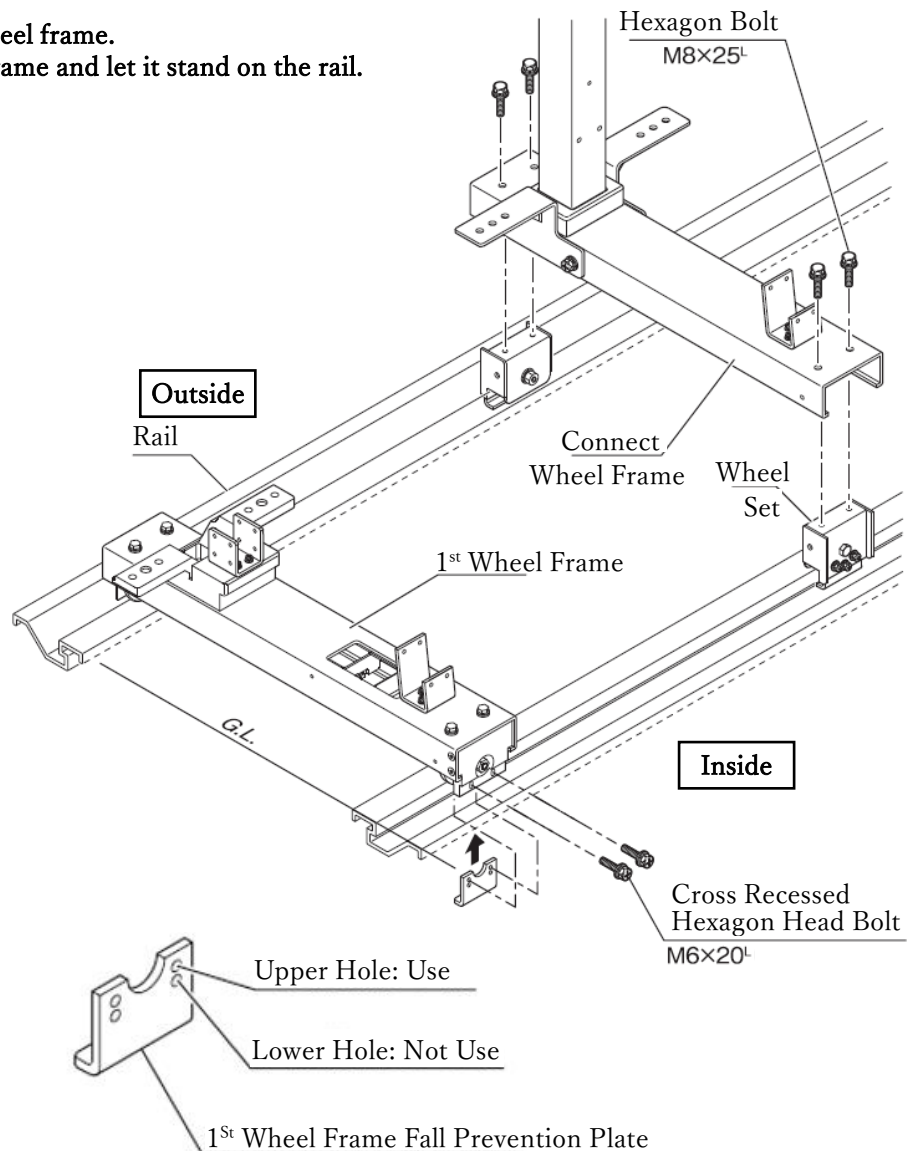
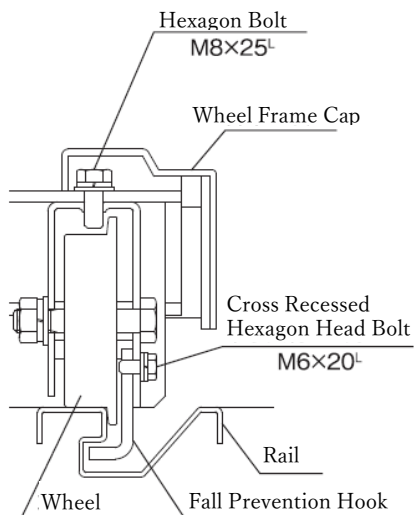
1. Place the wheel frames on the rail referring to the drawing below.

Wheel Frame Arrangement



2. Install fall prevention hook to 1st wheel frame.
3. Install wheel set to connect wheel frame and let it stand on the rail.

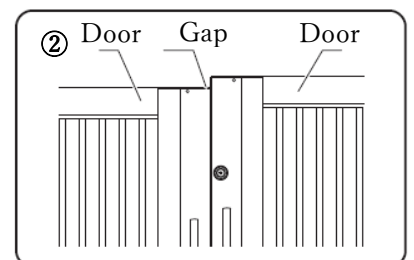
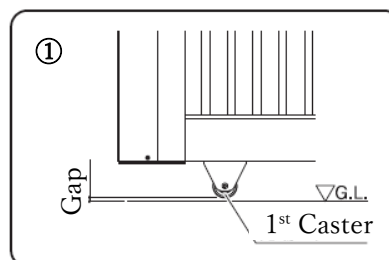
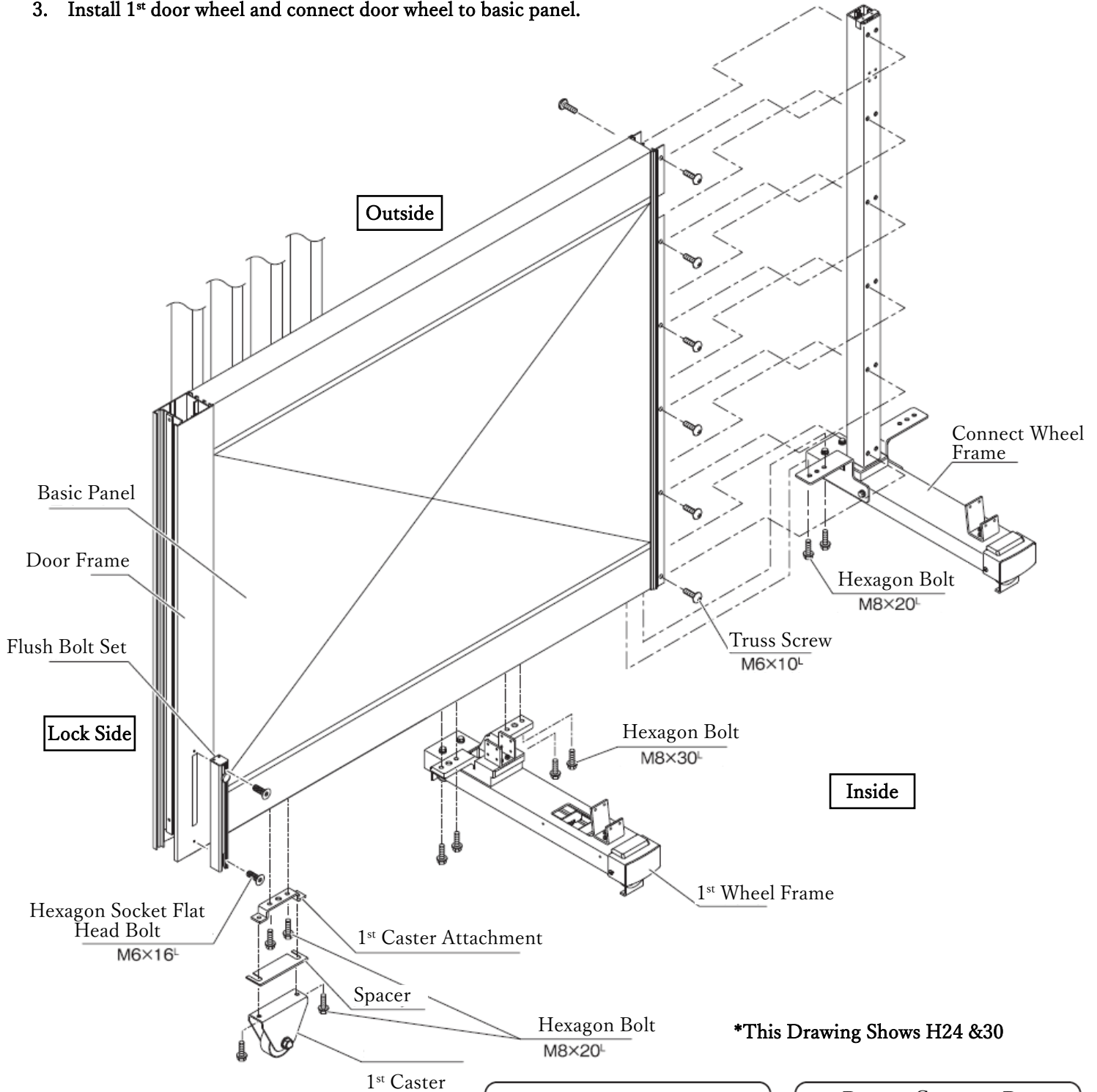
Cross Section View of Wheel Part



4

Installation of Basic Panel

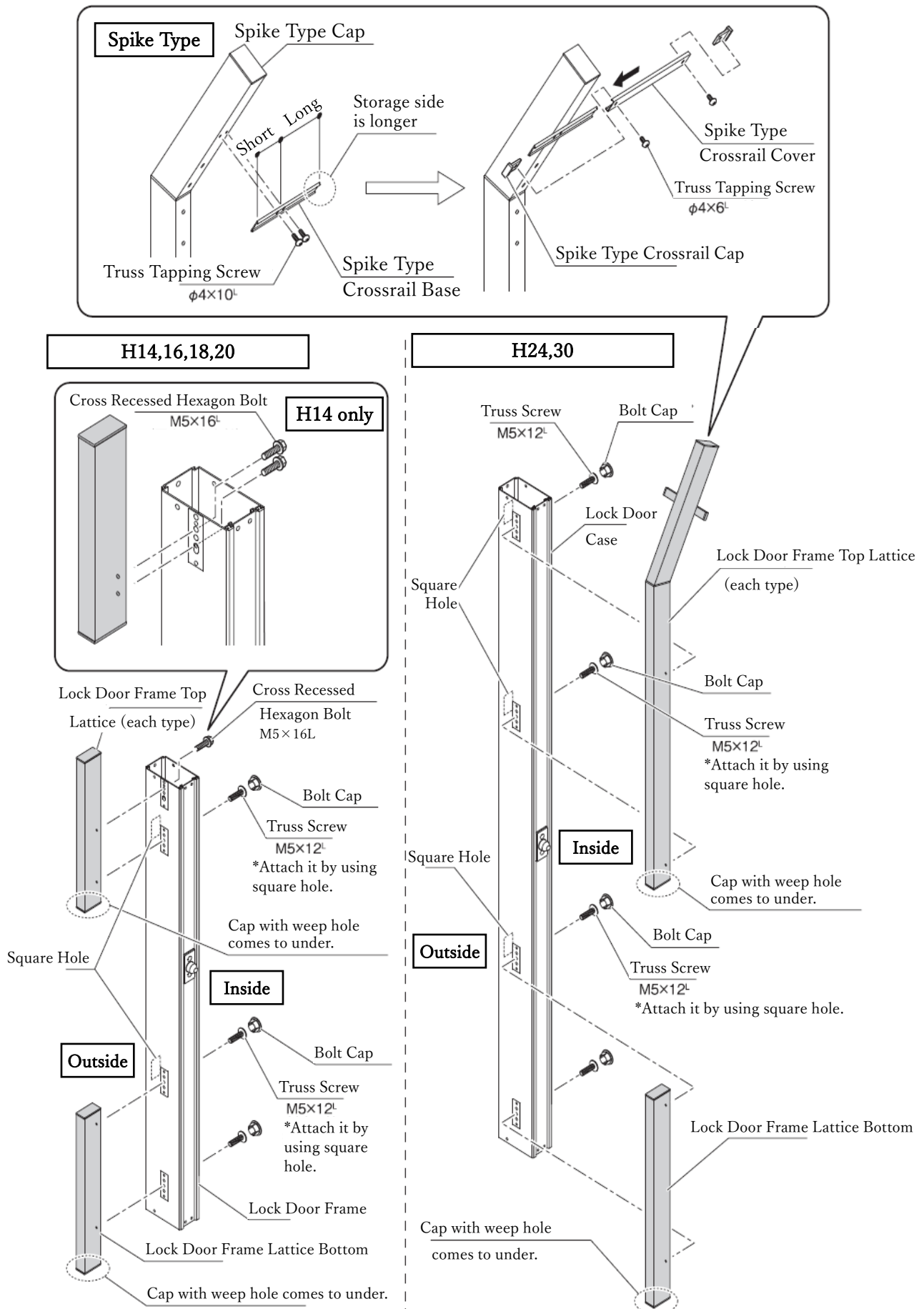
1. Install flush bolt set to the basic panel.
2. Install 1st caster attachment and 1st caster.
 *Spacer will be used if the gap between 1st caster and G.L. is more than 3mm.
 (Gap should be 0~2mm) See drawing ①.
 * If there is a difference in height between the panels of a double open type, attach a spacer to the lower panel to adjust the height. If there is a difference in height, the lock will not work properly. See Drawing ②.
3. Install 1st door wheel and connect door wheel to basic panel.



5

Installation of Lock Door Frame Lattice

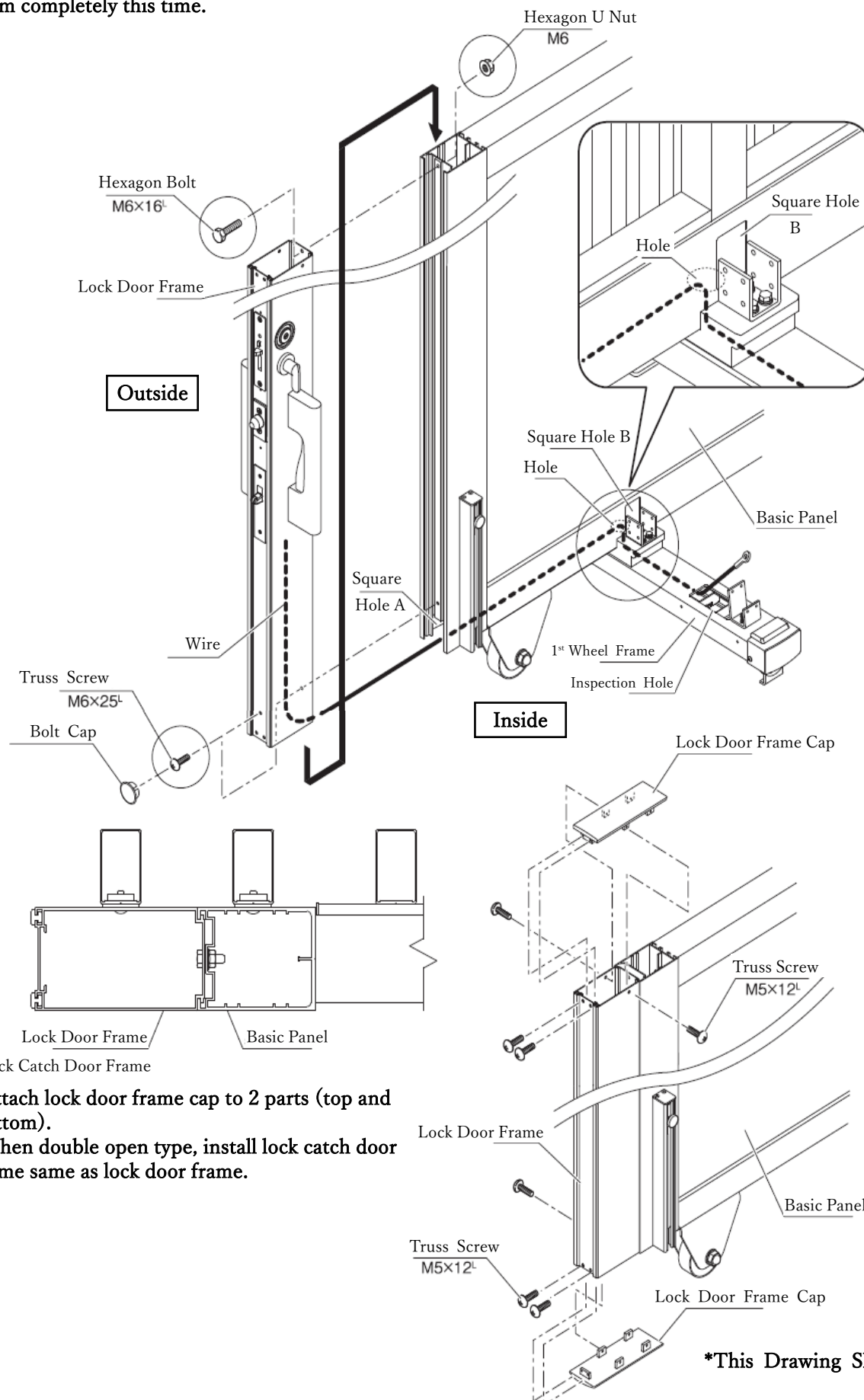
1. Install lock door frame top straight lattice and bottom straight lattice to lock door frame (single open), lock catch door frame (double open).
2. In case of spike type, install spike type crossrail base/cover.



6

Installation of Lock Door Case/Lock Catch Door Case

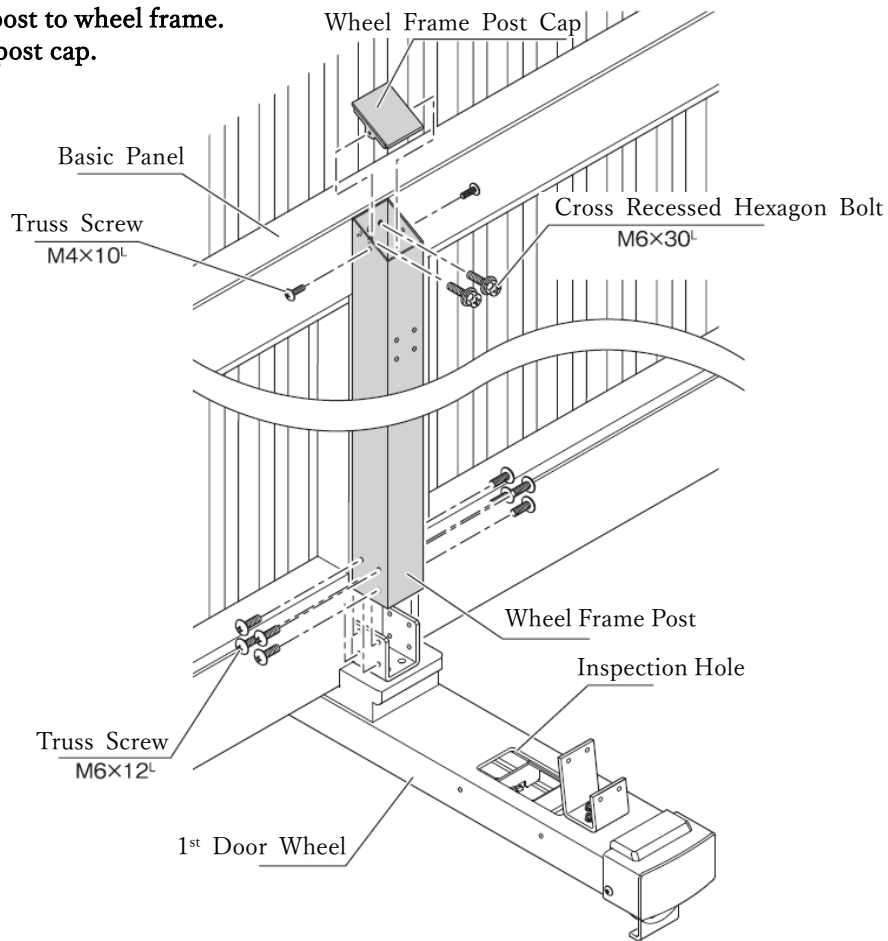
1. Insert lock door case to basic panel's door frame.
 2. Insert the wire comes from lock door case to basic panel A's square hole.
Then insert the wire through square hole B's hole inside, and out the wire from inspection hole.
 3. Fix lock door case top by hexagon bolt and nut, and bottom by truss screw.
- *Fix them completely this time.



4. Attach lock door frame cap to 2 parts (top and bottom).
5. When double open type, install lock catch door frame same as lock door frame.

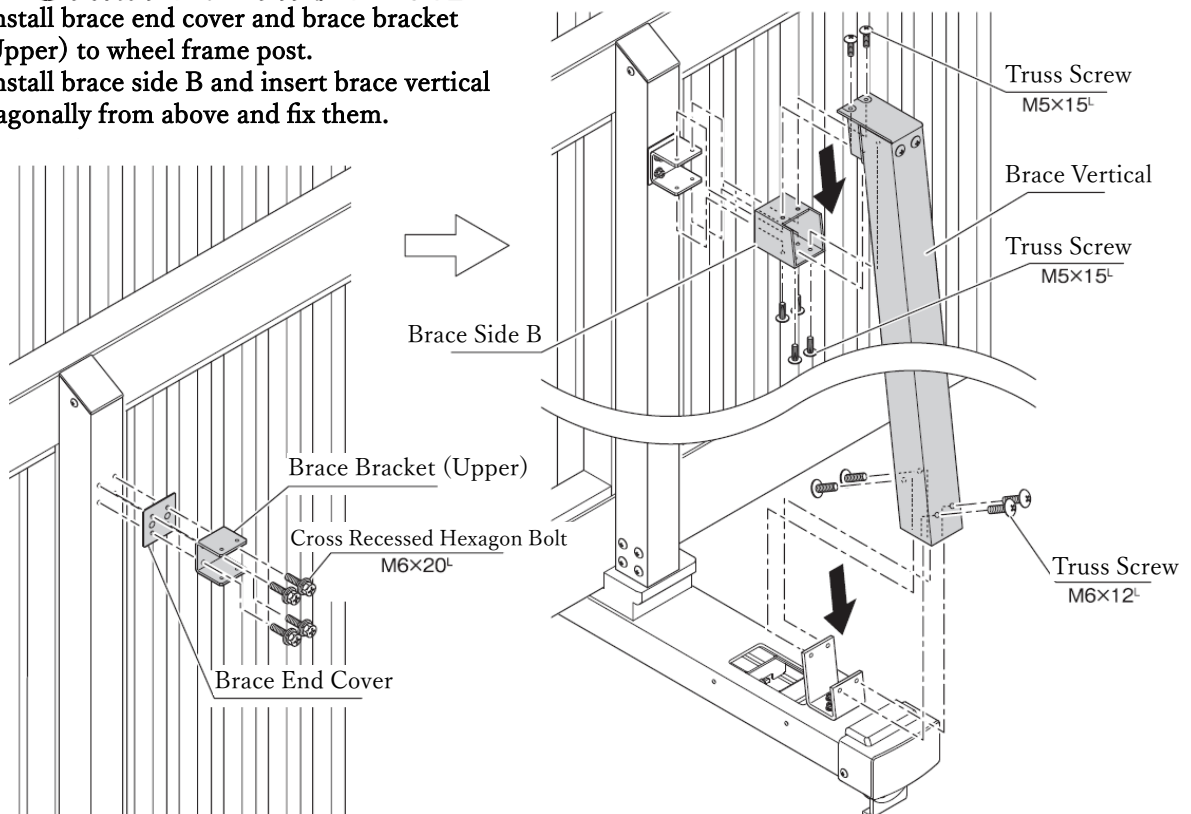
7 Installation of Wheel Frame Post

1. Install wheel frame post to wheel frame.
2. Attach wheel frame post cap.

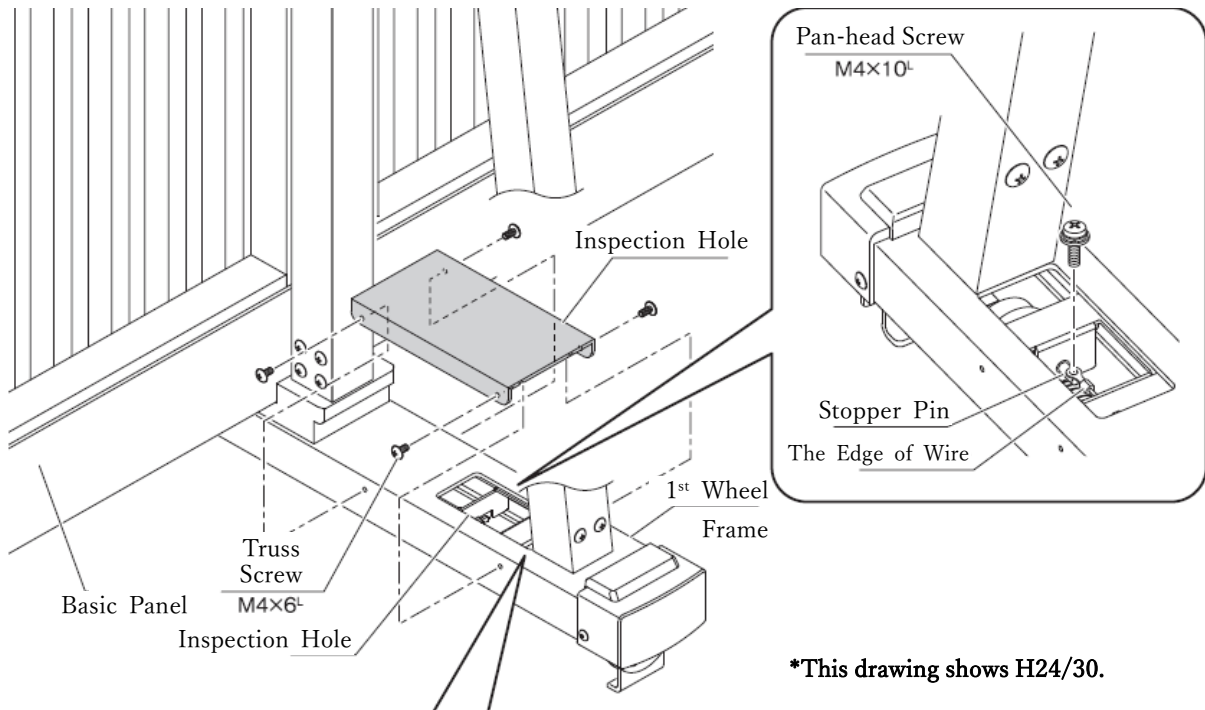


8 Installation of 1st Wheel Frame Brace (H24/30 only)

1. Install brace end cover and brace bracket (Upper) to wheel frame post.
2. Install brace side B and insert brace vertical diagonally from above and fix them.



1. Fix the edge of wire which was inserted at step 6 to inspection hole by stopper pin with pan-head screw.
2. Adjust the movable range of the stopper pin according to the drawing below.
3. After completion of the adjustment, install the inspection hole cover.

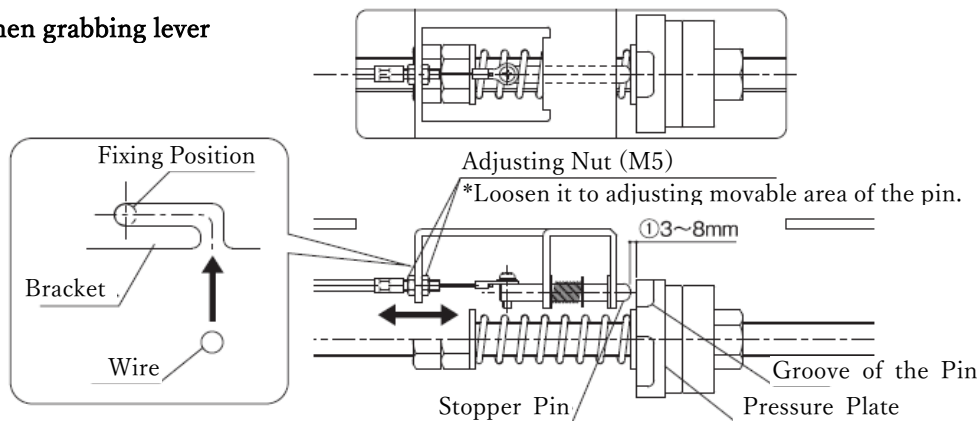


How to adjust the movable range of stopper pin

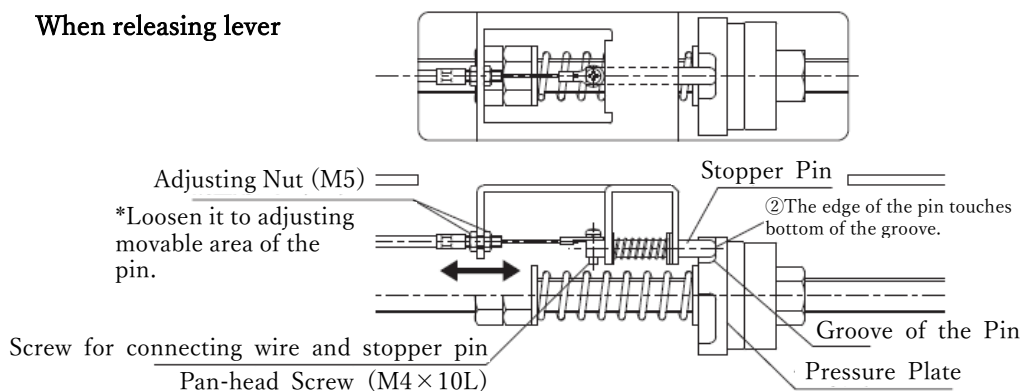
Adjust the adjustment nut so that the stopper pin is in the following state when operating the safety handle lever.

- ① When grabbing lever: The gap between the edge of stopper pin and pressure plate become 3~8mm.
- ② When releasing lever: The edge of stopper pin touches the bottom of the groove of pin.

When grabbing lever

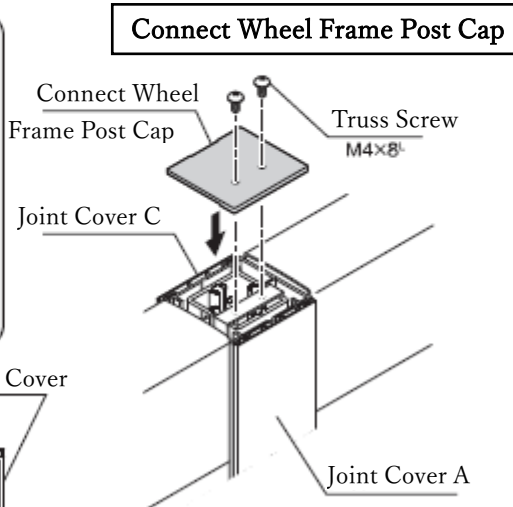
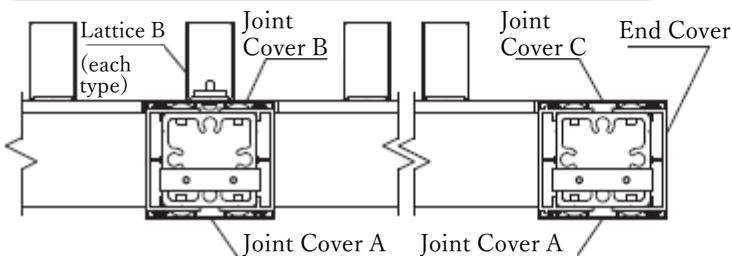
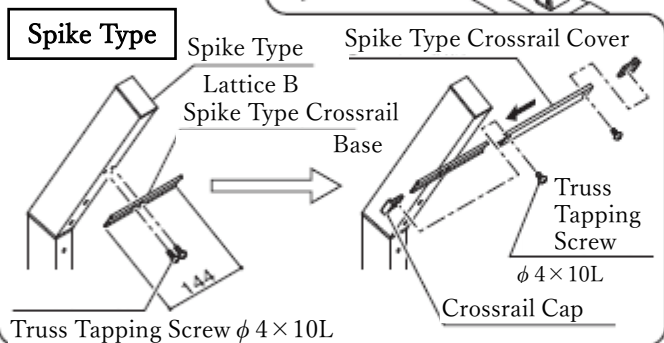
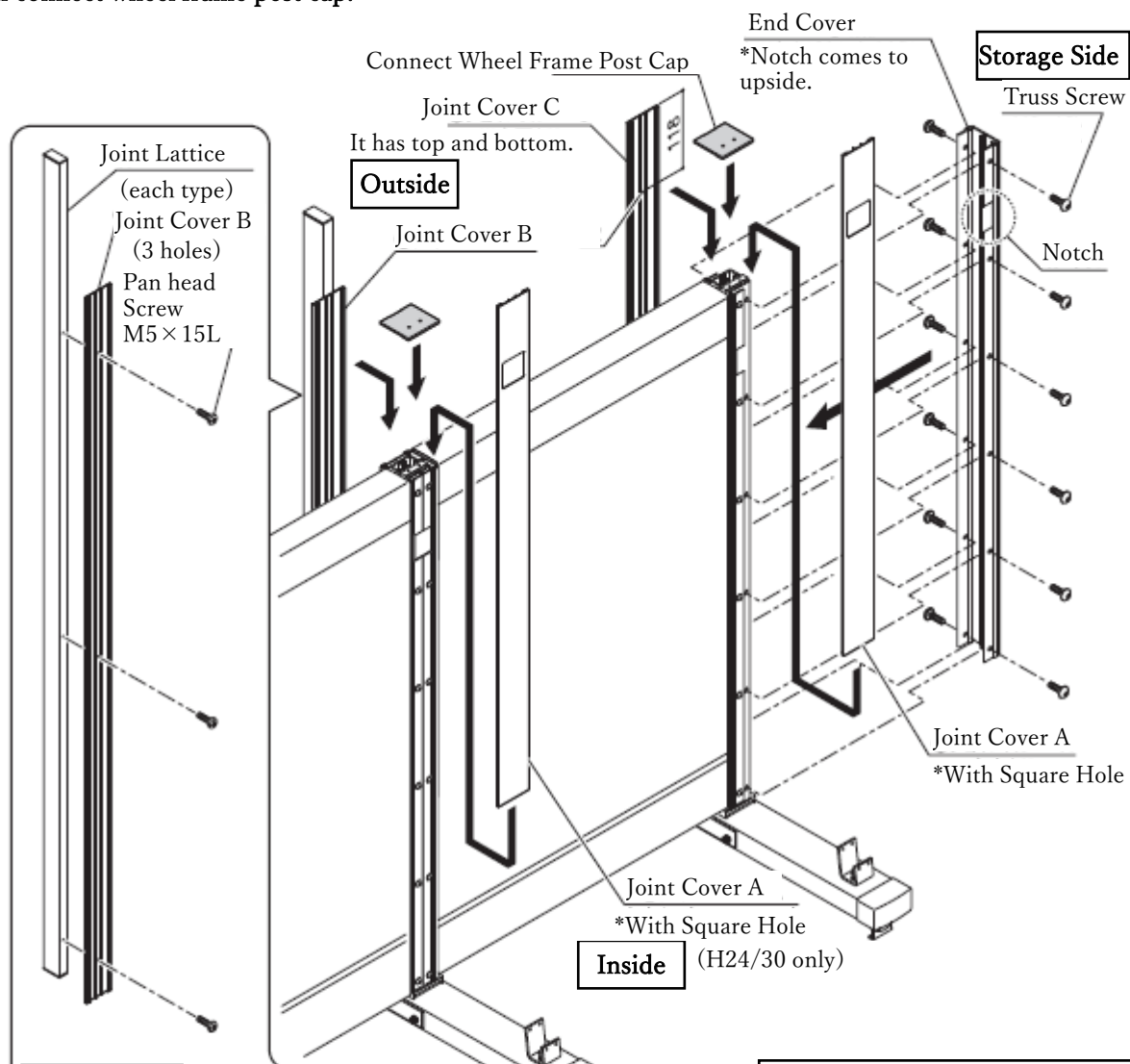


When releasing lever



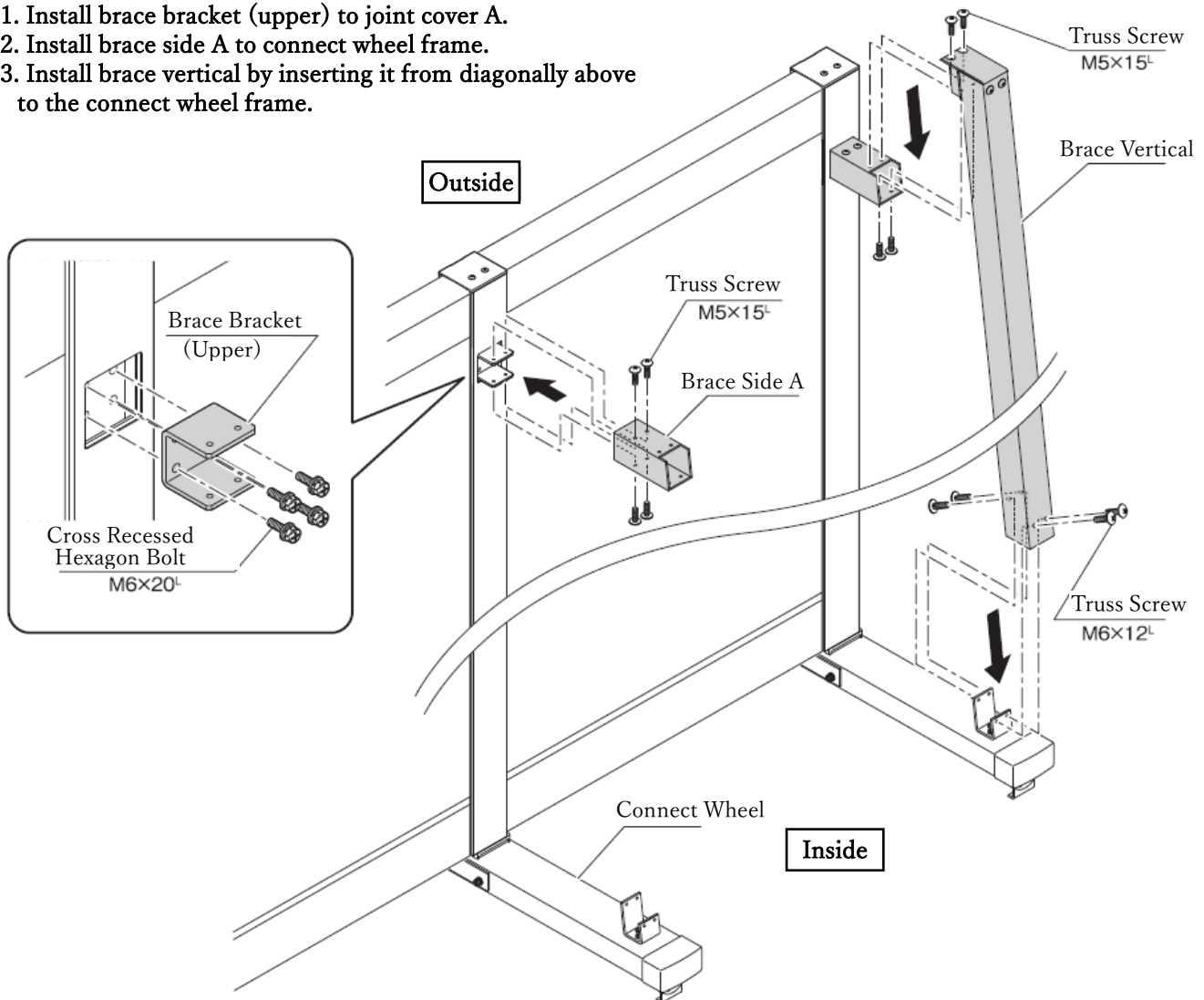
10 Installation of Lattice, Joint Cover, Cap

1. Install joint lattice (each type) to joint cover B. In case of spike type, install spike type crossrail base/ cover.
2. Install end cover.
3. Install joint cover (A/B/C) to the connect part of panels by inserting the joint cover.
4. Attach connect wheel frame post cap.



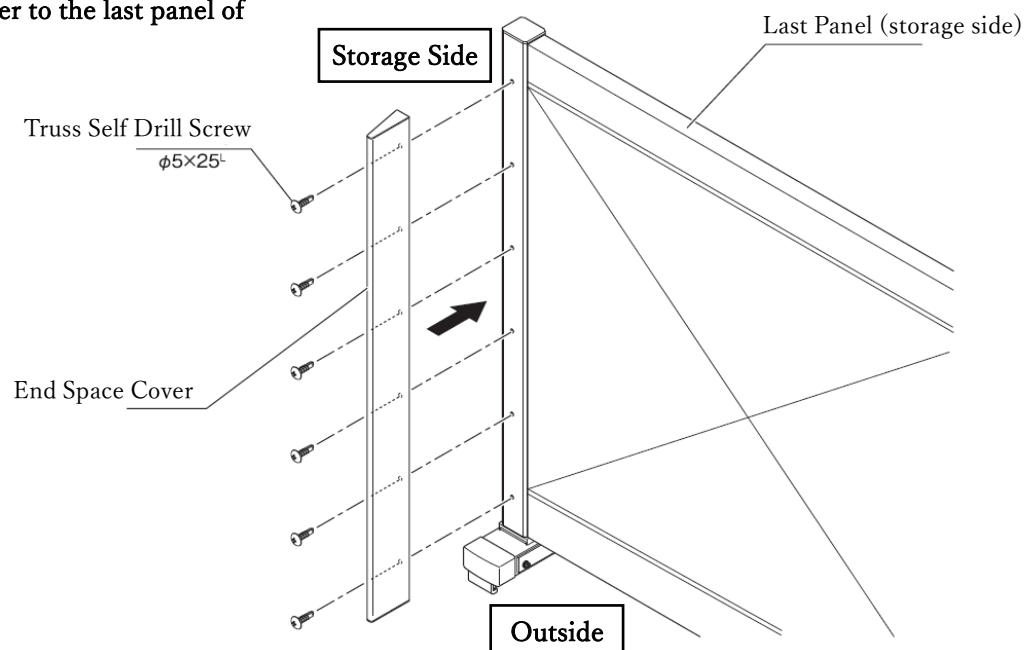
12 Installation of Connect Wheel Frame Brace (H24/30)

1. Install brace bracket (upper) to joint cover A.
2. Install brace side A to connect wheel frame.
3. Install brace vertical by inserting it from diagonally above to the connect wheel frame.



13 Installation of End Space Cover

1. Install end space cover to the last panel of storage side.

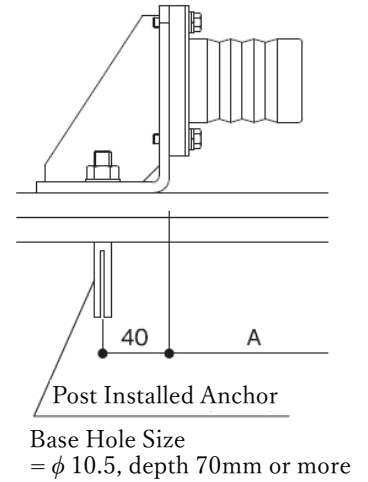
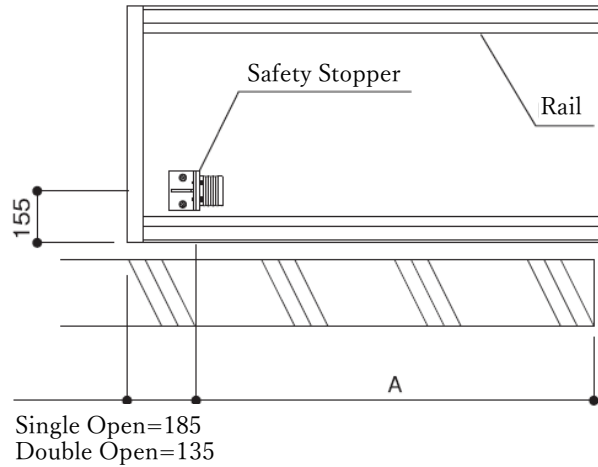


14 Installation of Safety Stopper

1. Fix safety stopper to the position shown in the drawing below by post installed anchor.

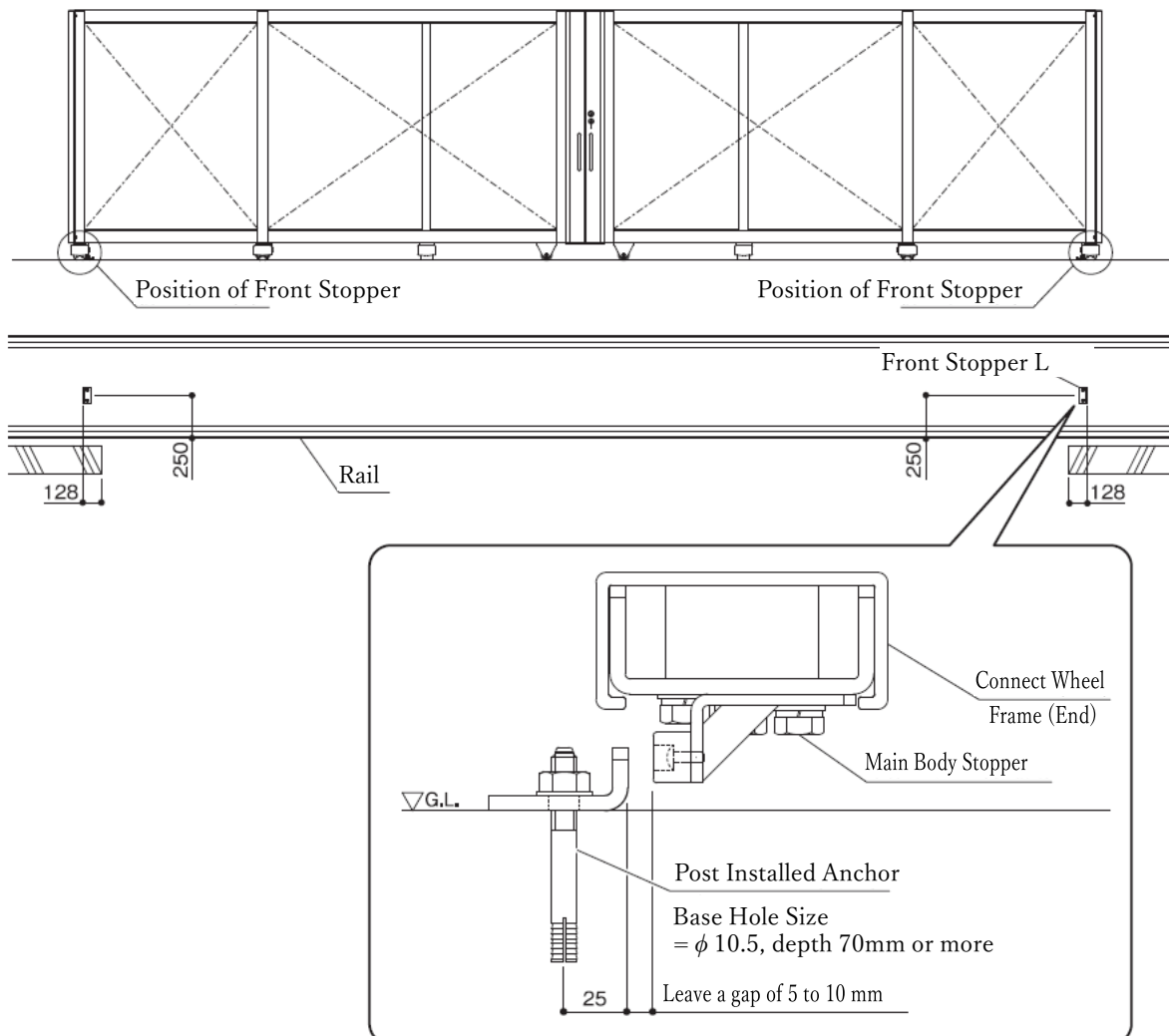
Size	A Dimension
3S·6W	3335
4S·8W	4335
5S·10W	5335
6S·12W	6335
7S·14W	7335
8S·16W	8335
9S·18W	9335
10S·20W	10335

(mm)



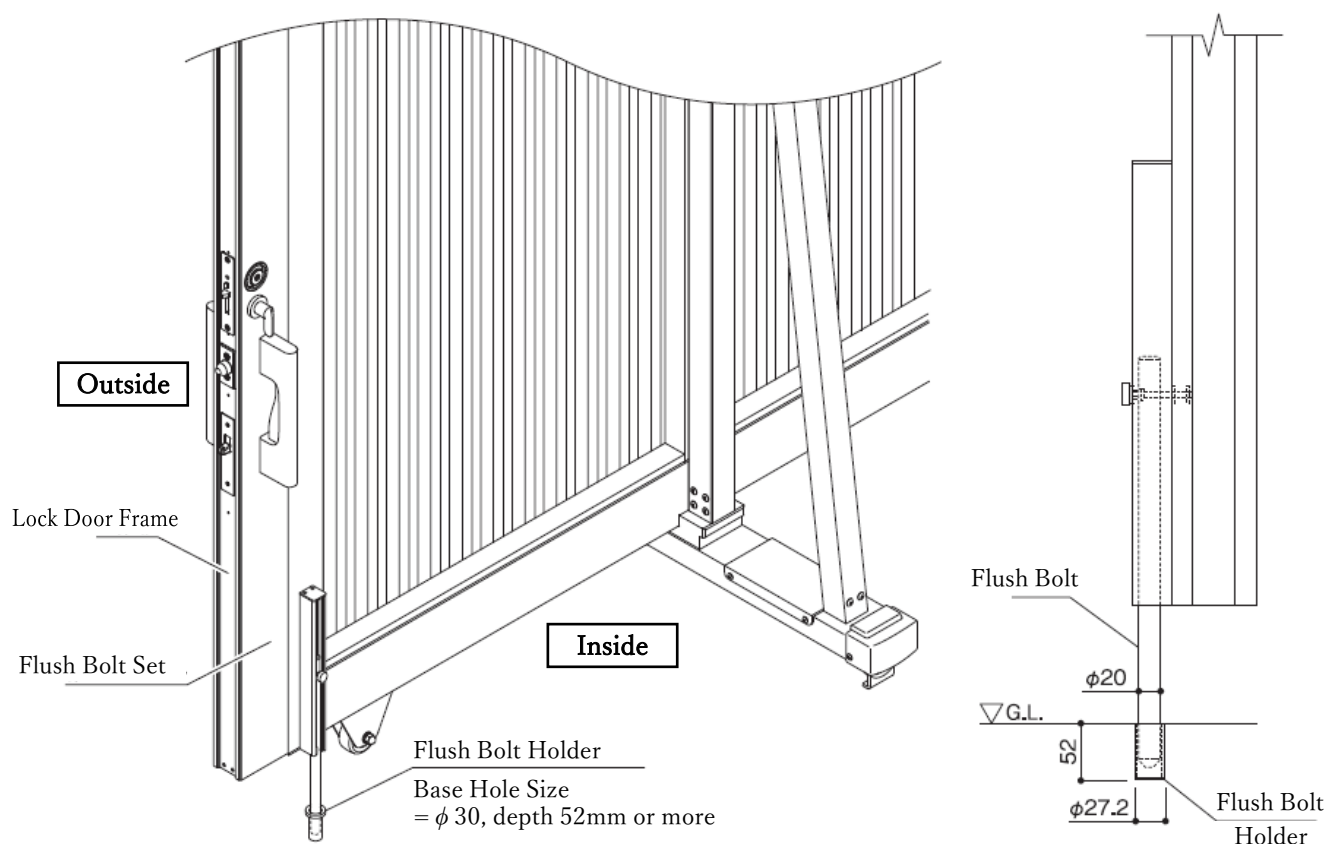
15 Installation of Front Stopper (Double Open Only)

1. Temporary fix the front stopper on the position shown in the drawing below. Then align it with the main body stopper attached to the bottom of the connect wheel frame (end). Finally, fix front stopper with post installed anchor. At this time, leave 5~10mm gap between front stopper and main body stopper.



16 Installation of Flush Bolt Holder

1. Bury flush bolt holder after confirmation of the flush bolt's position when fully closed and opened.



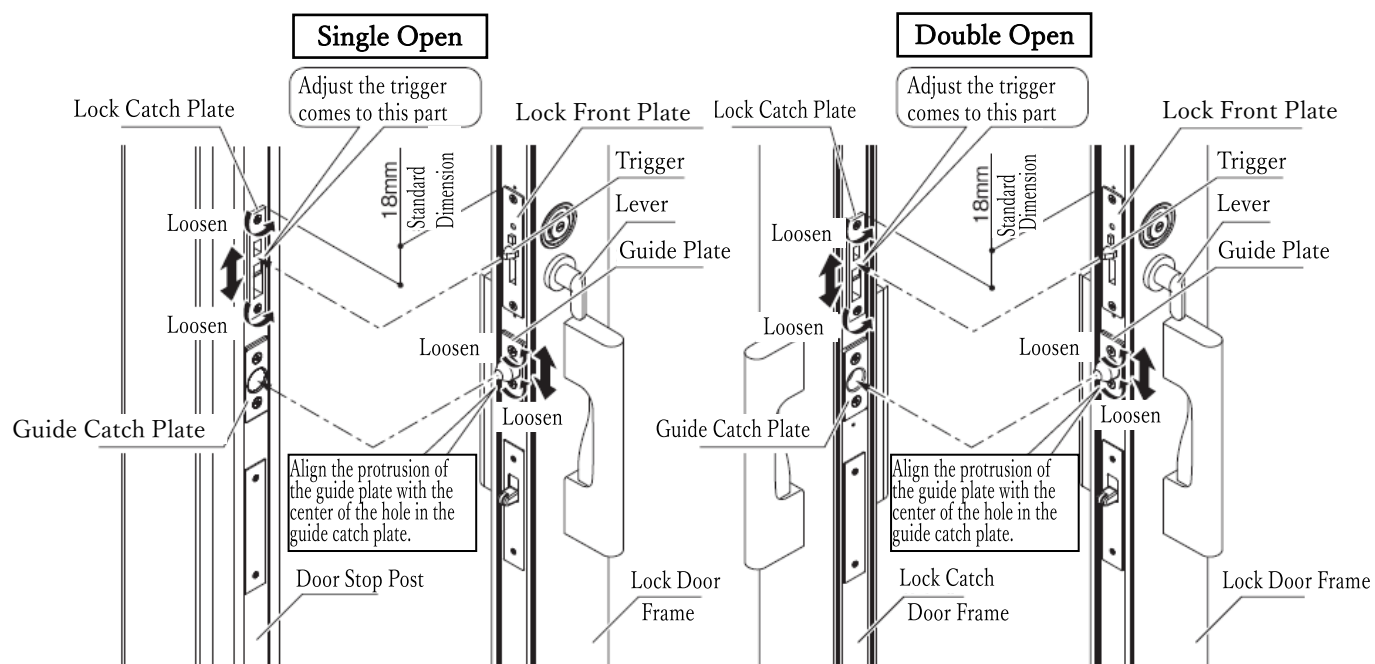
*This Drawing Shoes H24/30.

17 Adjustment of Lock Catch Plate and Guide Plate

1. Adjust the height of lock catch plate and guide plate referring to the drawing below.

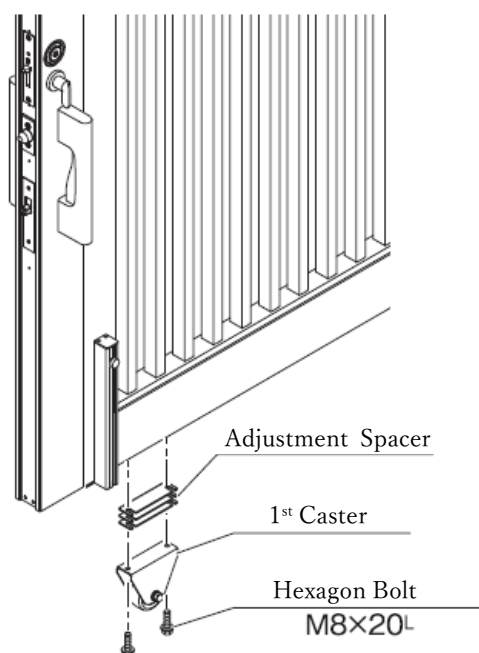
*Confirm the standard dimension of lock catch plate and lock front plate.

2. After compilation of adjustment, firmly fix the flat head screw.



18 Adjustment of Lock Catch Plate and Guide Plate

1. Remove the adjustment spacer and adjust the height of 1st caster according to the height of the concrete floor.



19 Check Items After Compilation of Installation

Check Item	Solution
When the door is fully closed, can you turn the knob to open it?	If the door does not open or the lock is difficult to open, adjust the height of the lock. (See 17)
When opening and closing, can you open and close the door smoothly while holding the lever?	If the brake does not release or is not effective, adjust the range of movement of the stopper pin. (See 8)
When opening or closing, does the brake work when you release the lever?	
Is it possible to lock and unlock with a key?	If the key is difficult to turn or the hook is stuck and difficult to remove, adjust the height of the lock catch plate and lock front plate. (See 17) Also, please record the key number as it will be necessary to reorder if you lose it.
Is the safety stopper installed in the correct position?	When the door is fully open, make sure that the wheel frame (End) touches the safety stopper. (See 14)
Is the front stopper installed in the correct position? (Double Open Only)	When the door is fully closed, make sure that there is a gap of 5 to 10 mm between the front stopper and the main body stopper. (See 15)
Are the fall prevention plates installed in the correct position?	Make sure the fall prevention plate does not come into contact with the rail when opening or closing. Also, retighten the fall prevention plate mounting screw (Pan-head Drill Screw). (See 3)
Are any screws and bolts loose or forgotten to be installed?	After completing all installation, check that all screws and bolts are securely fastened.