

ABOUT US 关于我们

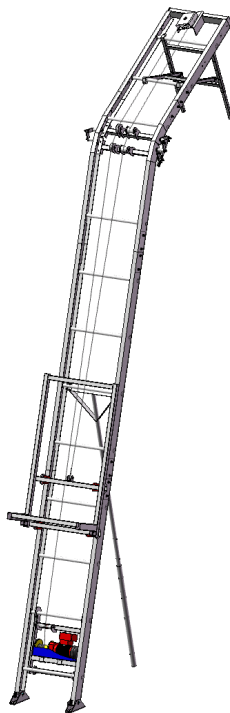
Founded in 2016, Xinxiang STONIMAGE Technology Co., Ltd. is a globally recognized leader in the design, manufacture, and supply of advanced lifting equipment. With a professional engineering team, a state-of-the-art R&D center, and a robust manufacturing base, we bring years of experience in the lifting industry. Our commitment to innovation drives continuous improvements in both our product offerings and service quality.

STONIMAGE specializes in the research, development, and production of a diverse range of lifting equipment, including but not limited to food elevators, Ladder Lift, electric scaffolding lifts, retractable stairs, electric cargo lifts, brick lifts, material loading lifts, roller shutter door lifts, cargo forklifts, electric fire pipe lifts, and comprehensive project services. Our focus on innovation ensures that we consistently meet the evolving needs of our global clientele while maintaining the highest standards of quality and service.

- Mission: Promote client's business!
- Vision:
- Build a world-class team and an entrepreneurship incubation platform.
 - To be a company full of great love, freedom and creativity, to make everyone have an open mind, fulfilling job, and a happy life.
- Value:
- Respect Life, Protect Human Rights, Keep Promise, Take Responsibility.
 - Be upright and trustworthy.
 - Change yourself to build a new and happy life.

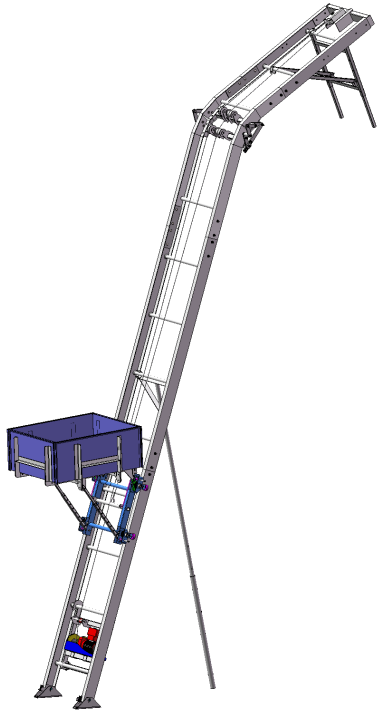
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Ladder Lift - Aluminum Alloy



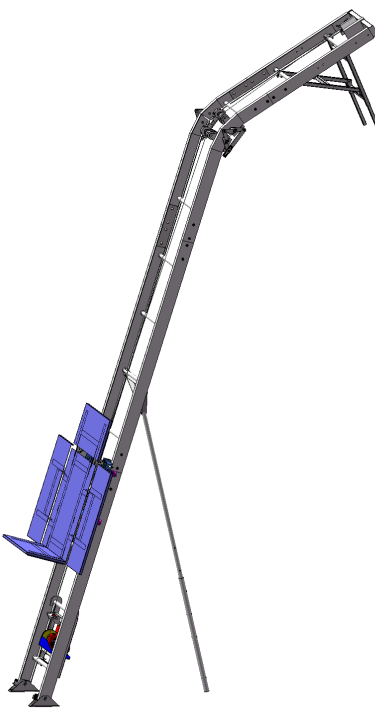
Photovoltaic industry
Solar panel, Panel support structure, Roof Solar Equipment etc.

House Maintenance
Water proof roll, Color Steel tile, Waterproof material etc.



Decoration industry
Glass, Window, Gate, Sunlight Room, Window Frame etc.

Roof Equipment
Air energy equipment, Solar water heater, Roof garden etc.

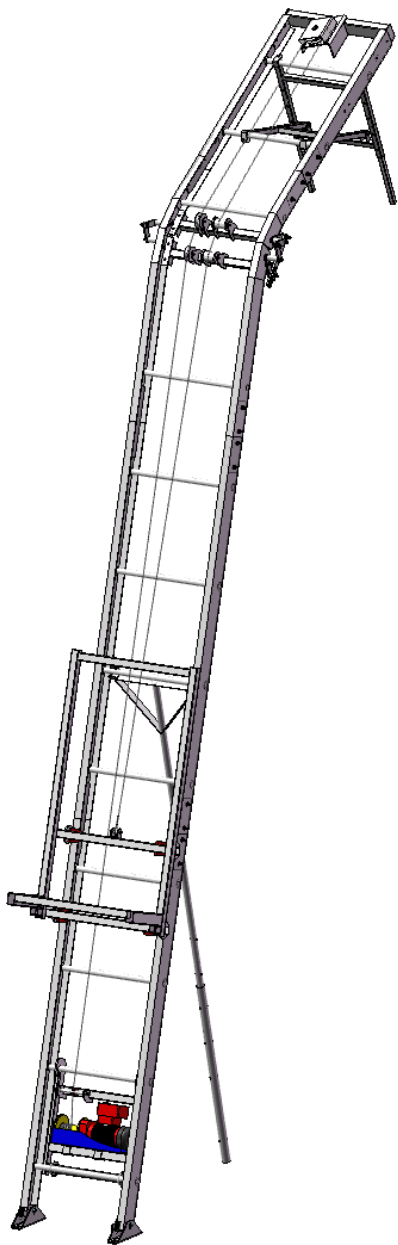


Construction Material
Glazed Brick, Sand, Sandstone, Barrel Paint, Tile, Cement etc.

Various Material Lifting
Especially for loading Inside house, narrow space etc.

Ladder Lift (Aluminum alloy) - Features

- ✓ Aluminum alloy as main material, Light in weight and easy to handle
- ✓ Standard section is 2m length, easy to assembly
- ✓ Increase work efficiency by Dozens of times (Fast assembly, Fast Lifting, Fast disassembly)
- ✓ More safe than labor, Reduce worker's burden, Save huge cost for project
- ✓ Economical and practical for all construction team
- ✓ Household power supply, easy to connect



Technical Notes

- **Average Hoisting Speed:** 14m/min for 1.3kw winch, 20m/min for 1.7kw winch.
- **Diameter of rope:** standard 5mm, option 6mm.
- **Power supply:** 220V AC, 50HZ,2 phase (customizable)
- **Track Width:** 600mm
- **Installation angle:** 50° to 80°recommended

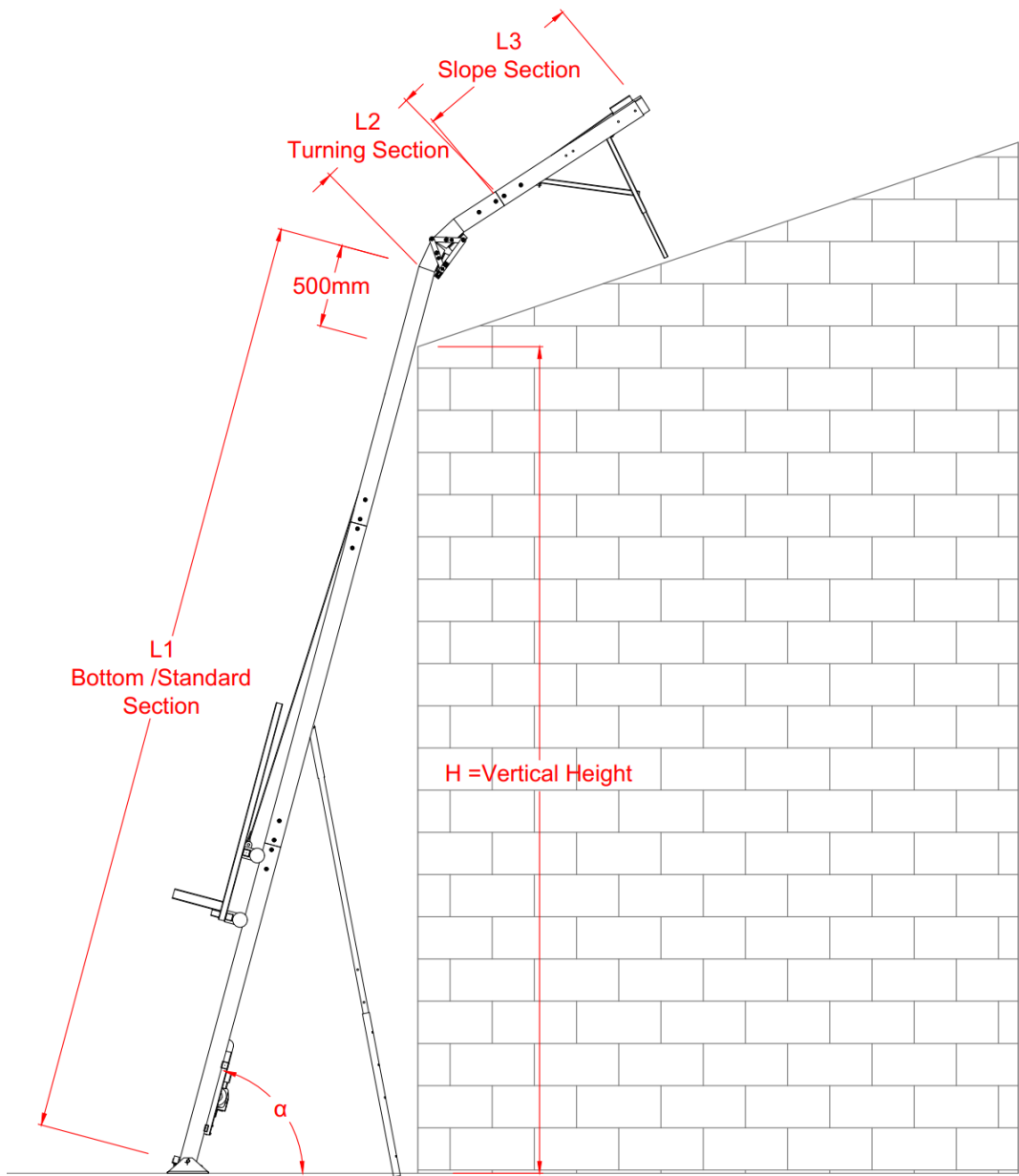
Model Selection Table

Model	Track Length (m)	Track Section Design (m)	Max. Load Capacity (at 80°)	Motor Power	Length of Winch Rope	Dead Weight (kg)	Shipping size (m³)
ELL 4+1	6.5	2+1*2+1.5+1	300 kg	1.3kw	15m	95	2.3*0.85*0.65
ELL 5+1	7.5	2*2+1+1.5+1	300 kg	1.3kw	15m	99	2.3*0.85*0.65
ELL 6+1	8.5	2*2+1*2+1.5+1	300 kg	1.3kw	15m	104	2.3*0.85*0.65
ELL 7+1	9.5	2*3+1+1.5+1	300 kg	1.3kw	20m	108	2.3*0.85*0.65
ELL 8+1	10.5	2*3+1*2+1.5+1	300 kg	1.3kw	20m	127	2.3*0.85*0.75
ELL 9+1	11.5	2*4+1+1.5+1	300 kg	1.3kw	20m	131	2.3*0.85*0.75
ELL 10+1	12.5	2*4+1*2+1.5+1	300 kg	1.3kw	25m	136	2.3*0.85*0.75
ELL 11+1	13.5	2*5+1+1.5+1	300 kg	1.3kw	30m	140	2.3*0.85*0.75
ELL 12+1	14.5	2*5+1*2+1.5+1	300 kg	1.3kw	30m	150	2.3*0.85*0.9
ELL 13+1	15.5	2*6+1+1.5+1	300 kg	1.7kw	35m	155	2.3*0.85*0.9
ELL 14+1	16.5	2*6+1*2+1.5+1	250 kg	1.7kw	35m	160	2.3*0.85*0.9
ELL 15+1	17.5	2*7+1+1.5+1	250 kg	1.7kw	35m	168	2.3*0.85*0.9
ELL 16+1	18.5	2*7+1*2+1.5+1	250 kg	1.7kw	40m	175	2.3*0.85*1.05
ELL 17+1	19.5	2*8+1+1.5+1	250 kg	1.7kw	40m	182	2.3*0.85*1.05
ELL 18+1	20.5	2*8+1*2+1.5+1	250 kg	1.7kw	40m	188	2.3*0.85*1.05
ELL 19+1	21.5	2*9+1+1.5+1	220 kg	1.7kw	40m	196	2.3*0.85*1.05
ELL 20+1	22.5	2*9+1*2+1.5+1	220 kg	1.7kw	50m	209	2.3*0.85*1.3
ELL 21+1	23.5	2*10+1+1.5+1	200 kg	1.7kw	50m	214	2.3*0.85*1.3
ELL 22+1	24.5	2*10+1*2+1.5+1	200 kg	1.7kw	50m	220	2.3*0.85*1.3
ELL 23+1	25.5	2*11+1+1.5+1	200 kg	1.7kw	55m	226	2.3*0.85*1.3
ELL 24+1	26.5	2*11+1*2+1.5+1	200 kg	1.7kw	55m	232	2.3*0.85*1.3

Track Length - Calculation

- ✓ Choose the Model (track length) : based on Angle & Max. Vertical Height of building.
- ✓ Calculation formula: $L = L1 + L2 + L3$ (L2=1.5m, L3=1m)
- ✓ For example: H=10m, L1= 10.64m ($\alpha=70^\circ$), Track length=11.14m, so choose L = 12m (as bigger integer), the model is ELL 12+1

Length Calculation Formula (only for reference)		
Degree - α	Track Length - L	Slope Section
50°	$L \geq (1.305 \cdot H + 0.5) + 1.5 + 1\text{m}$	Standard length: 1m Option: 2m
60°	$L \geq (1.155 \cdot H + 0.5) + 1.5 + 1\text{m}$	
70°	$L \geq (1.064 \cdot H + 0.5) + 1.5 + 1\text{m}$	
80°	$L \geq (1.015 \cdot H + 0.5) + 1.5 + 1\text{m}$	



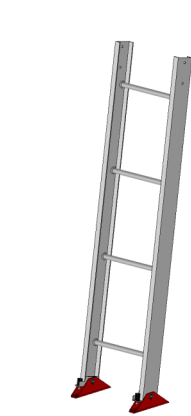
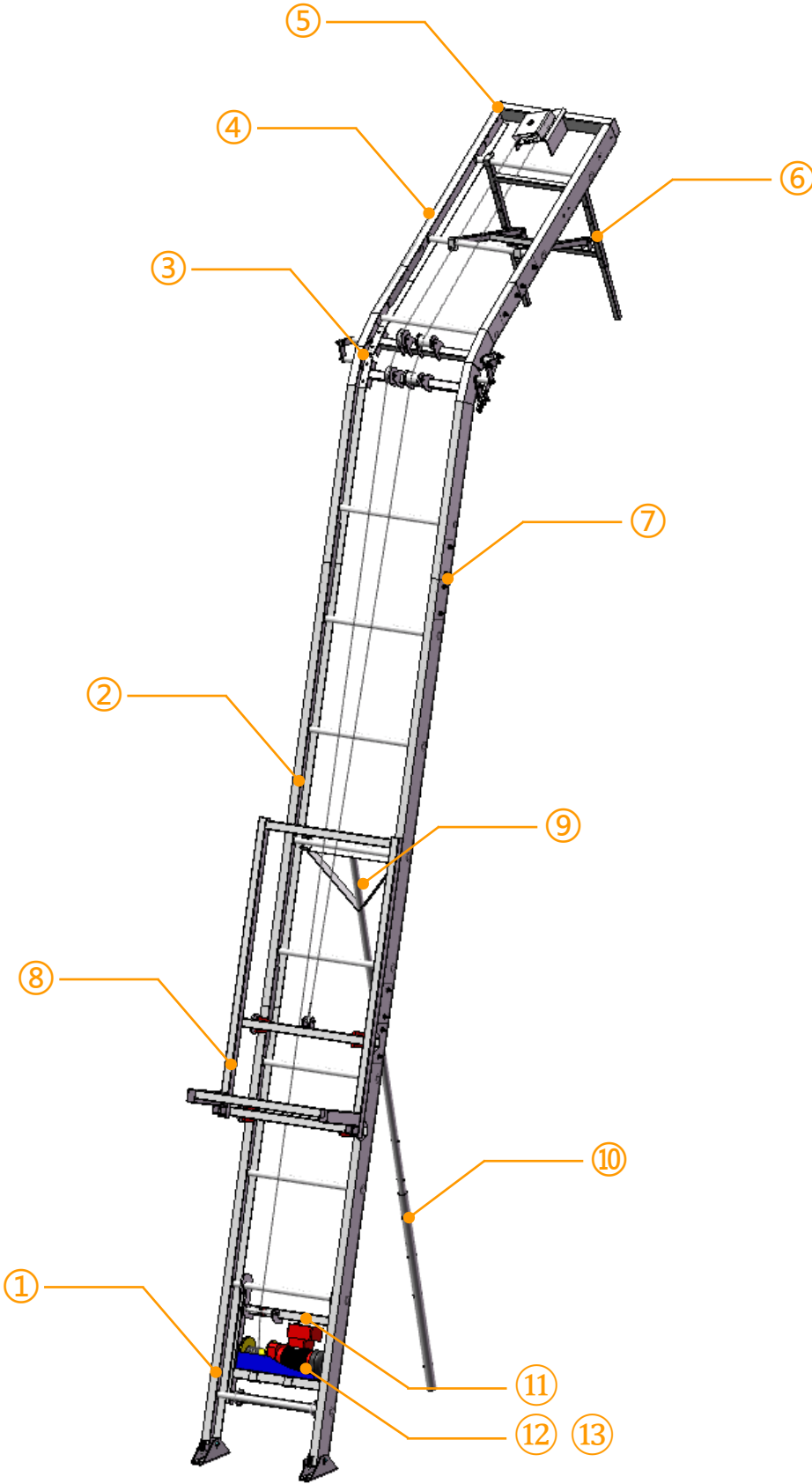
Load Capacity Table

Track Length L (m)	Max. Load Capacity (kg) @ Angle				Support Bar Design		Supplied Quantity	
	50°	60°	70°	80°	Required Qty (set)	Position	Support Bar (Length*set)	A-frame (set)
6.5	200	220	250	300	/	/	/	/
7.5	200	220	250	300	/	/	/	/
8.5	180	200	250	300	/	/	/	/
9.5	150	180	220	300	/	/	/	/
10.5	200	220	250	300	1	4m	4m*1	1
11.5	200	220	250	300	1	4m	4m*1	1
12.5	200	220	250	300	1	4m	4m*1	1
13.5	200	220	250	300	1	4m	4m*1	1
14.5	200	220	250	300	2	4m,10m	4m*1	1
15.5	200	220	250	300	2	4m,10m	4m*1	1
16.5	150	200	220	250	2	4m,10m	4m*1	2
17.5	150	200	220	250	2	4m,10m	4m*1	2
18.5	180	200	220	250	3	4m,8m,12m	4m*1	3
19.5	180	200	220	250	3	4m,8m,12m	4m*1	3
20.5	150	180	220	250	3	4m,8m,12m	4m*1	3
21.5	150	180	200	220	3	4m,8m,12m	4m*1	3
22.5	150	180	200	220	4	4m,8m,12m	4m*1	4
23.5	120	150	180	200	4	4m,8m,12m,16m	4m*1	4
24.5	120	150	180	200	4	4m,8m,12m,16m	4m*1	4
25.5	120	150	180	200	4	4m,8m,12m,16m	4m*1	4
26.5	120	150	180	200	4	4m,8m,12m,16m	4m*1	4

Notes:

- 1) **Support bar:** supply one (1) set as standard from manufacturer, the user should supply the balance quantity of Support bar depends on site's condition
- 2) **Load capacity:** depends on angle and length of wire rope on drum of winch.

Parts Catalog 部件手册



① Bottom Section
(2m length)



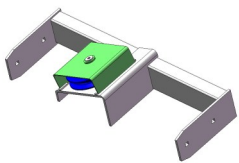
② 2m Standard
Section



③ Turning section



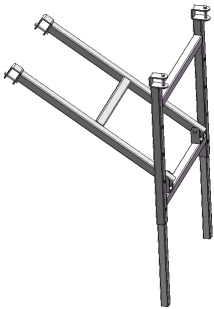
④ 1m Slope
Section



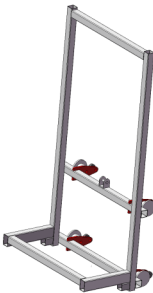
⑤ Top Crossarm



⑦ Junction Plate



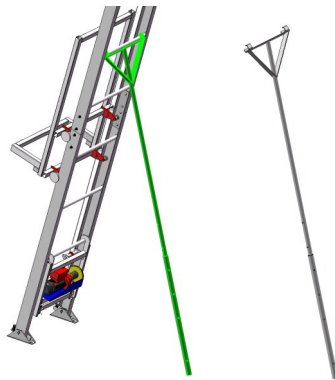
⑥ Roof Support



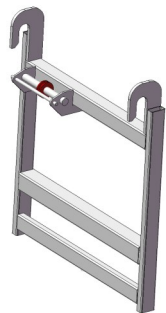
⑧ Loading Pallet



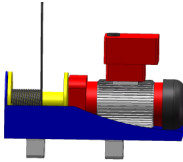
⑨ Triangle Frame



⑩ Support Bar



⑪ Mounting Rack



⑫ Winch



⑬ Pendant Control



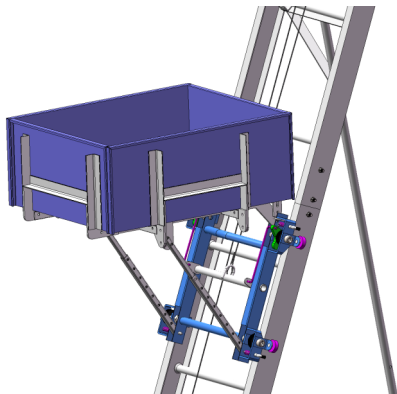
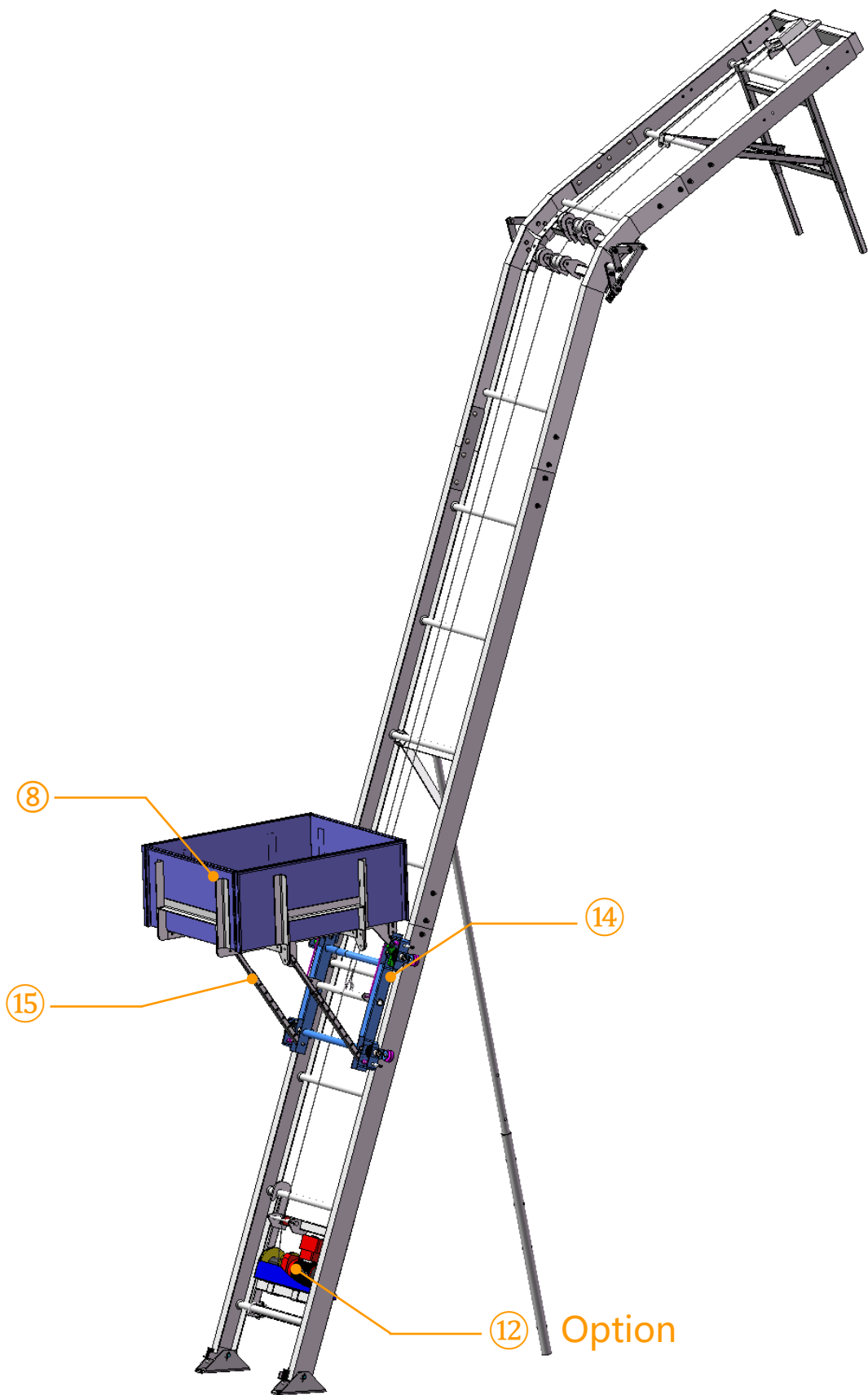
• Remote Control
(Option)



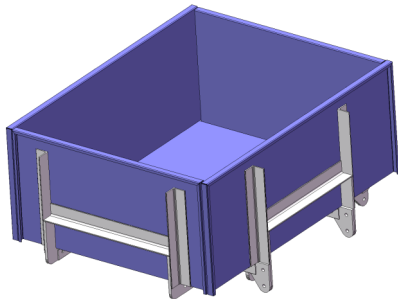
• Up Limit Switch
(Option)



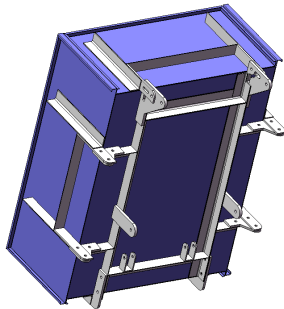
Advanced Options 高级选配



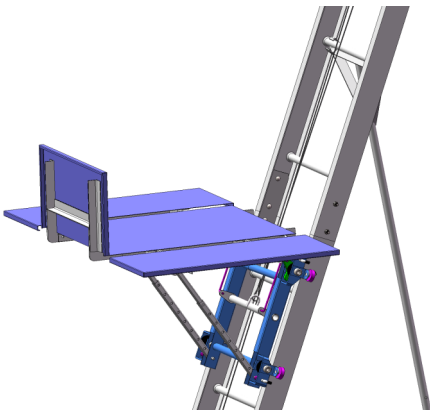
⑧ Cargo Box
(For bulk Cargo)



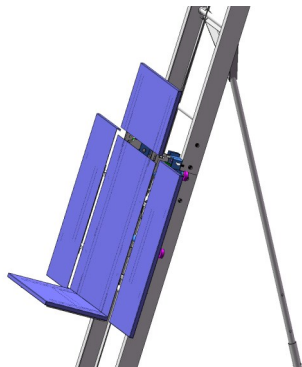
(Front)



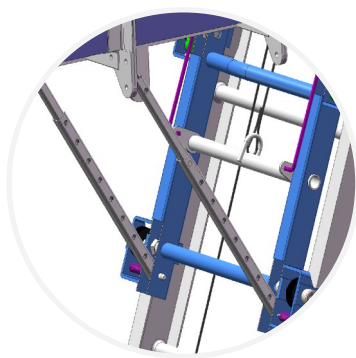
(Back)



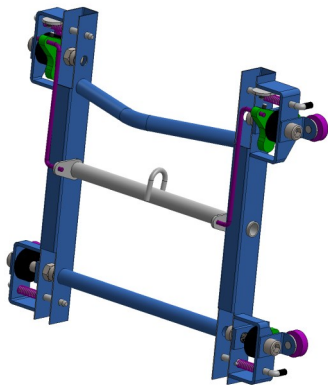
• Unfold I - Horizontal
(for Large material)



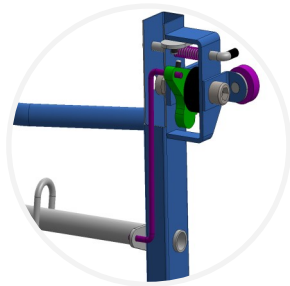
• Unfold II - Sloping
(for Panel or long Material)



⑮ Telescopic Bar
(Adjust Box Slope)



⑭ Trolley



• Anti-fall Lock



⑭ Integrated Winch Kit
(Quick Installation)

Application 应用案例



• Solar Panel Roof



• Window Lift



• Glass Lift



• Cement, Sand, Paint



• Air Energy



• Color Steel tile



• Solar Panel



• Bulk Cargo Lift



• Long Material



• Barrel Paint



• Wooden Material



• Office Building



• Brick



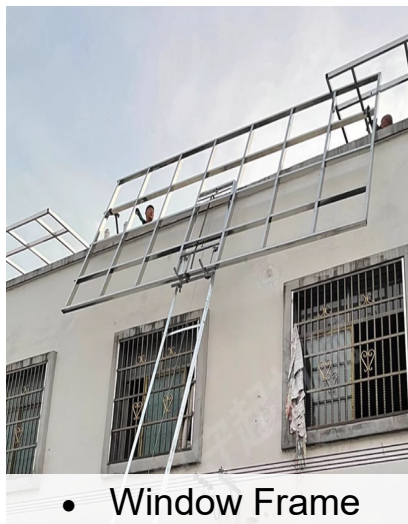
• Water proof Roll



• Cargo Bag Lift



• Gate Lift



• Window Frame



• Tile, glazed brick