



# CKDA<sup>®</sup>

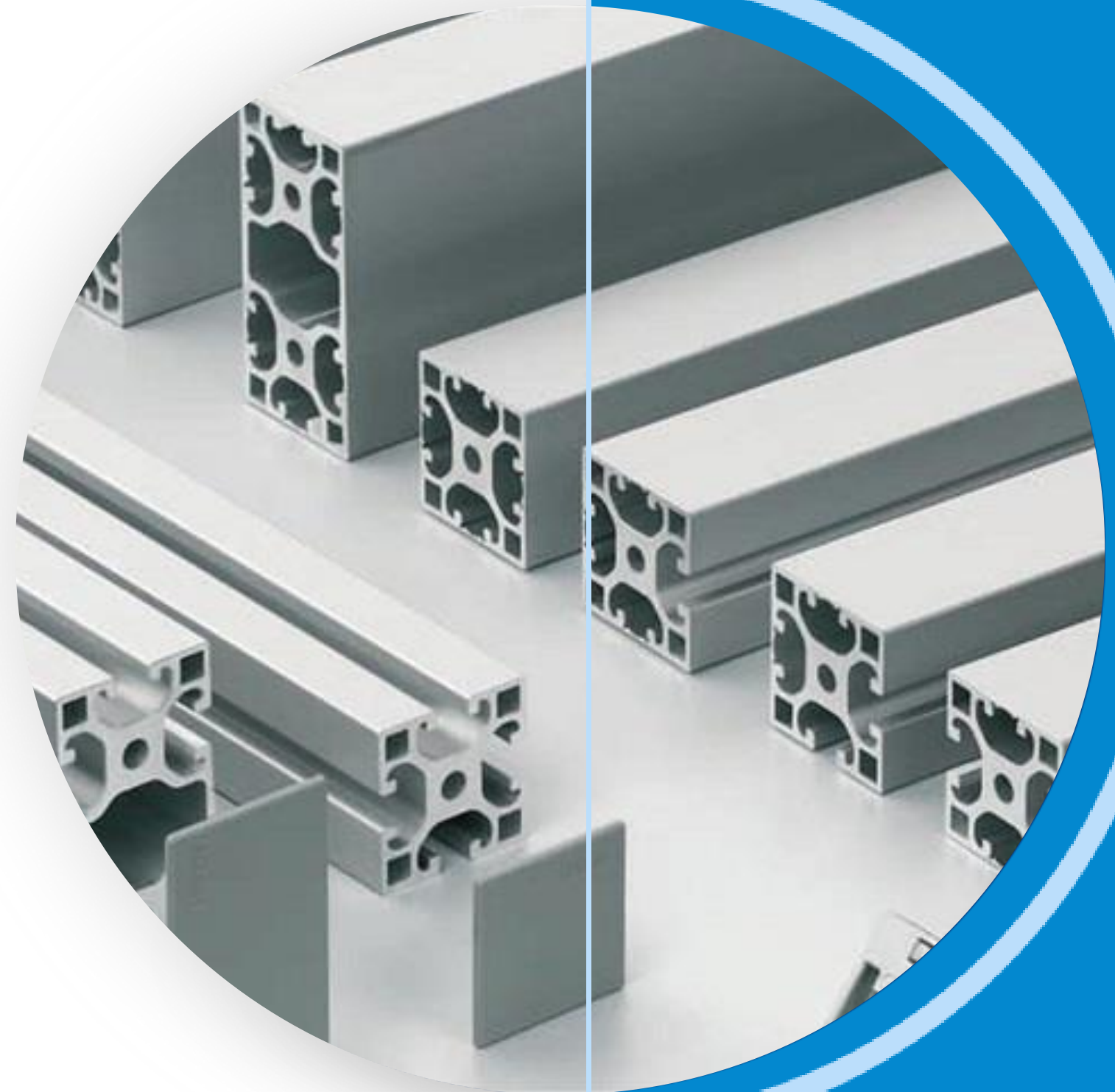
Dong Anh Licogi Mechanical Joint Stock Company

## COMPANY PROFILE ALUMINUM PROFILE EXTRUSION

[www.ckda.vn](http://www.ckda.vn)



- 01 General information**
- 02 Development history**
- 03 Organizational structure**
- 04 Factory scale**
- 05 Business Growth**
- 06 Business sectors**





# GENERAL INFORMATION



**Company's name:** DONG ANH LICOGI MECHANICAL JOINT STOCK COMPANY (CKDA)

**Address:** Km 12+800, National Highway 3, Group 6, Dong Anh Town, Dong Anh District, Hanoi City

**Established:** 1963

**Tax Code:** 0100106391

**Representative:** Mr. La Quy Doan | General Director

**Phone:** +84.24.3883.3818

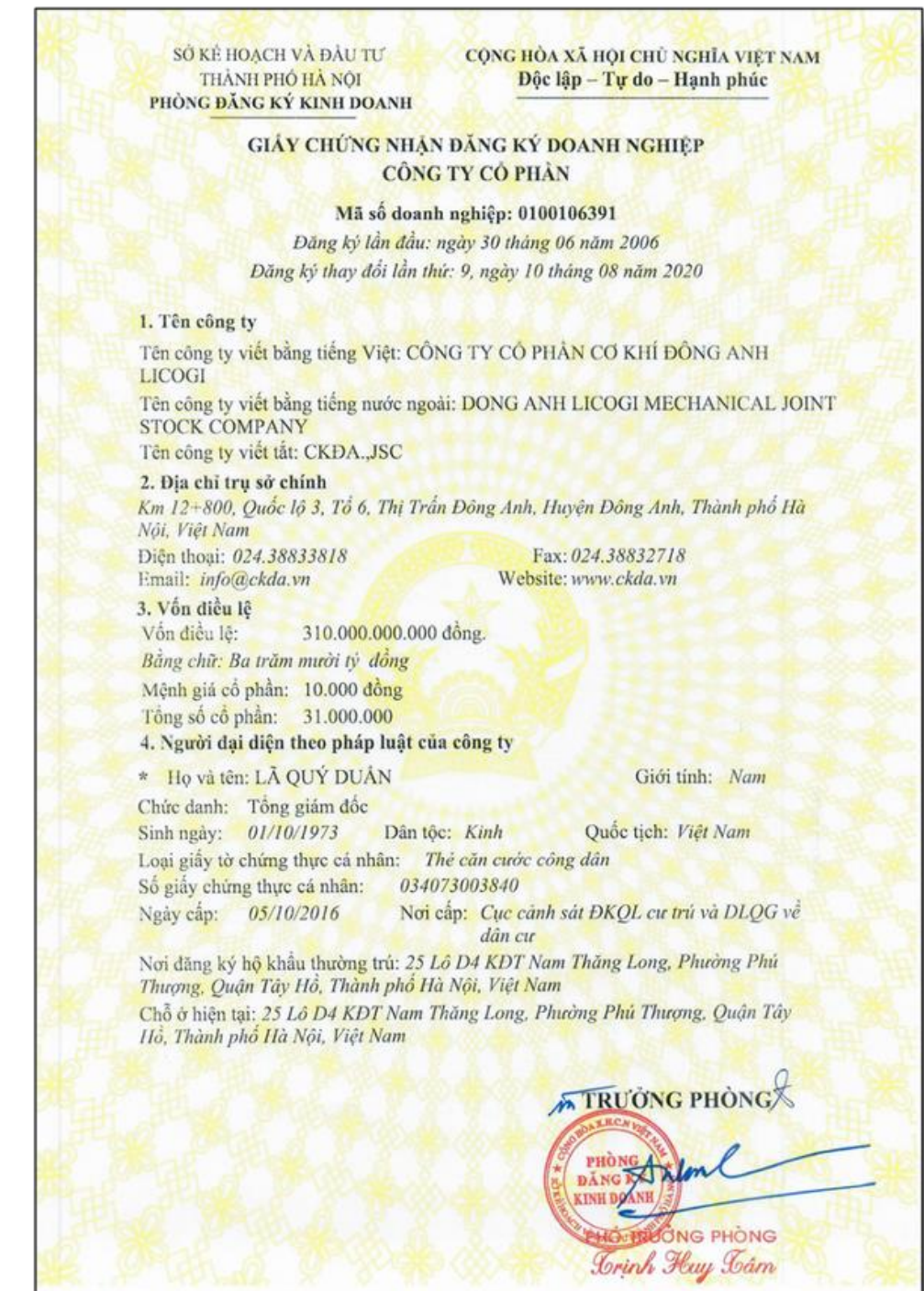
**Fax:** +84.24.3883.2718

**Website:** [www.ckda.vn](http://www.ckda.vn)

**Email:** [info@ckda.vn](mailto:info@ckda.vn)

**Employees:** Approximately 600 staff

**Revenue:** Average annual revenue > 43 million USD





# HISTORICAL MILESTONES

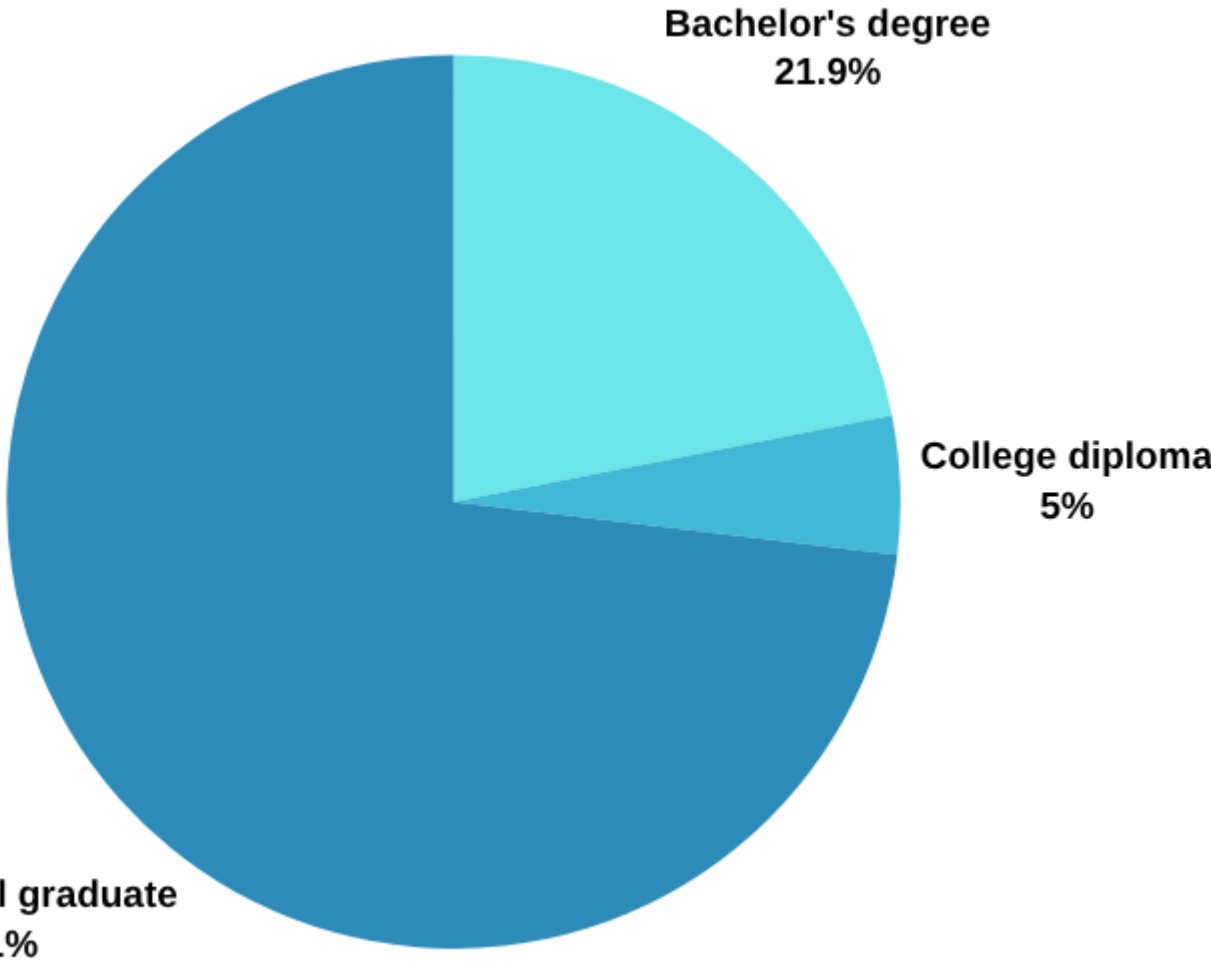




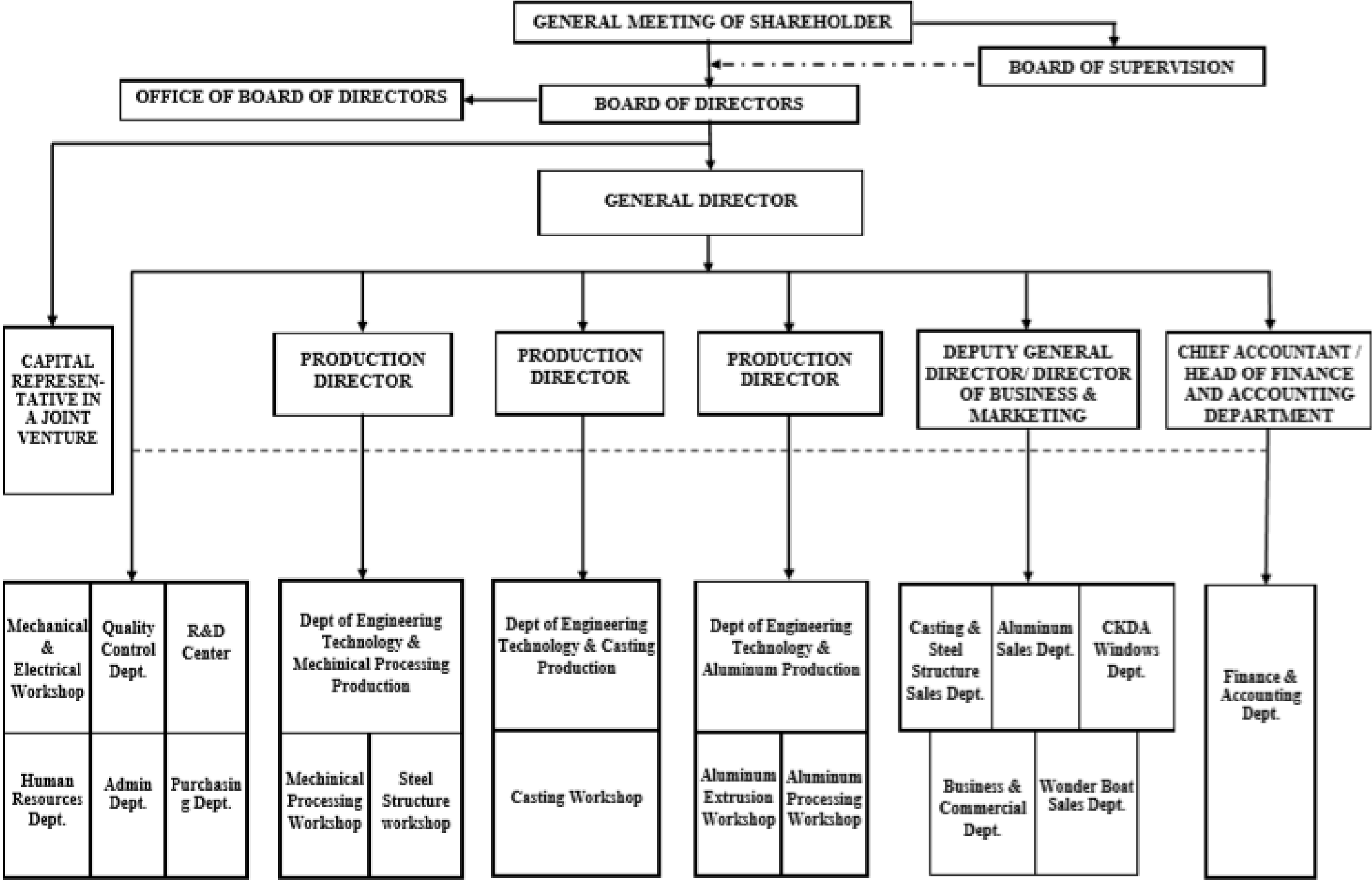
# ORGANIZATIONAL CHART



Total Workforce: Over 500 employees



APPENDIX 01: CKDA ORGANIZATION CHART



**NOTE:**  
SOLID LINE: REPRESENTS DIRECT REPORTING RELATIONSHIP  
DASHED LINE: REPRESENTS COORDINATING RESPONSIBILITY  
DASH-DOT LINE: REPRESENTS SUPERVISORY RELATIONSHIP



# FACTORY SCALE

CKDA



**03 factories**



**10 ha**



**Dong Anh, Hanoi**



## **Casting Production Plant**

- Area: 3 hectares
- Capacity: 35,000 tons per year
- Overhead Cranes: 2T – 5T – 10T

## **Steel Structure Manufacturing Plant**

- Area: 3.5 hectares
- Capacity: 20,000 tons per year
- Overhead Cranes: 2T – 5T – 10T

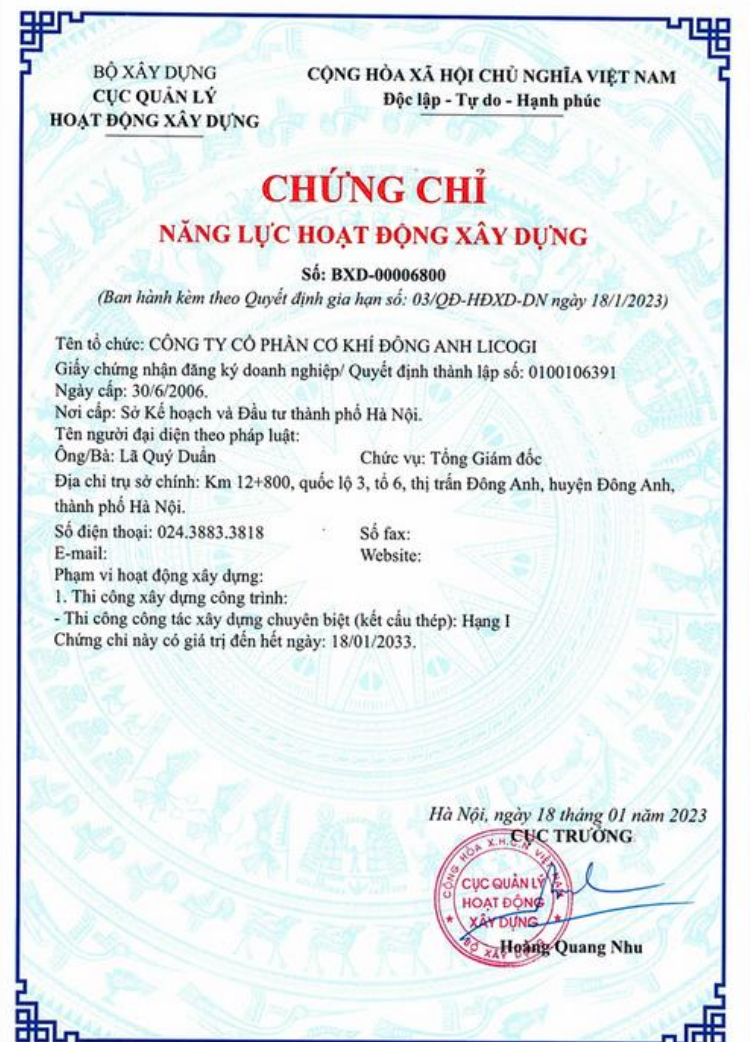
## **Aluminum Profile Extrusion Plant**

- Area: 3.5 hectares
- Capacity: 10,000 tons per year
- Overhead Cranes: 2T – 5T – 10T



# CERTIFICATES

# CKDA



Operational Capacity Certificate



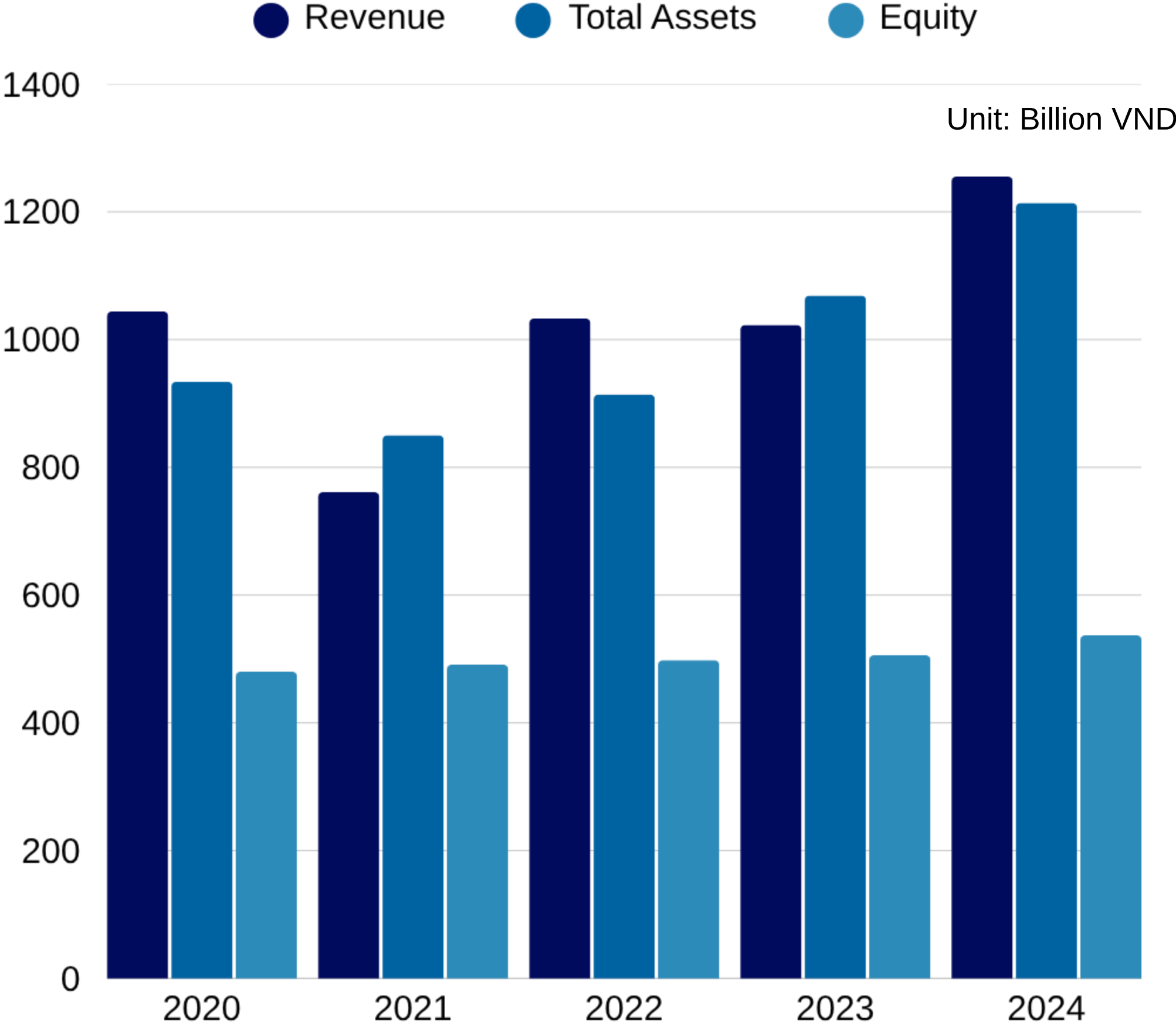
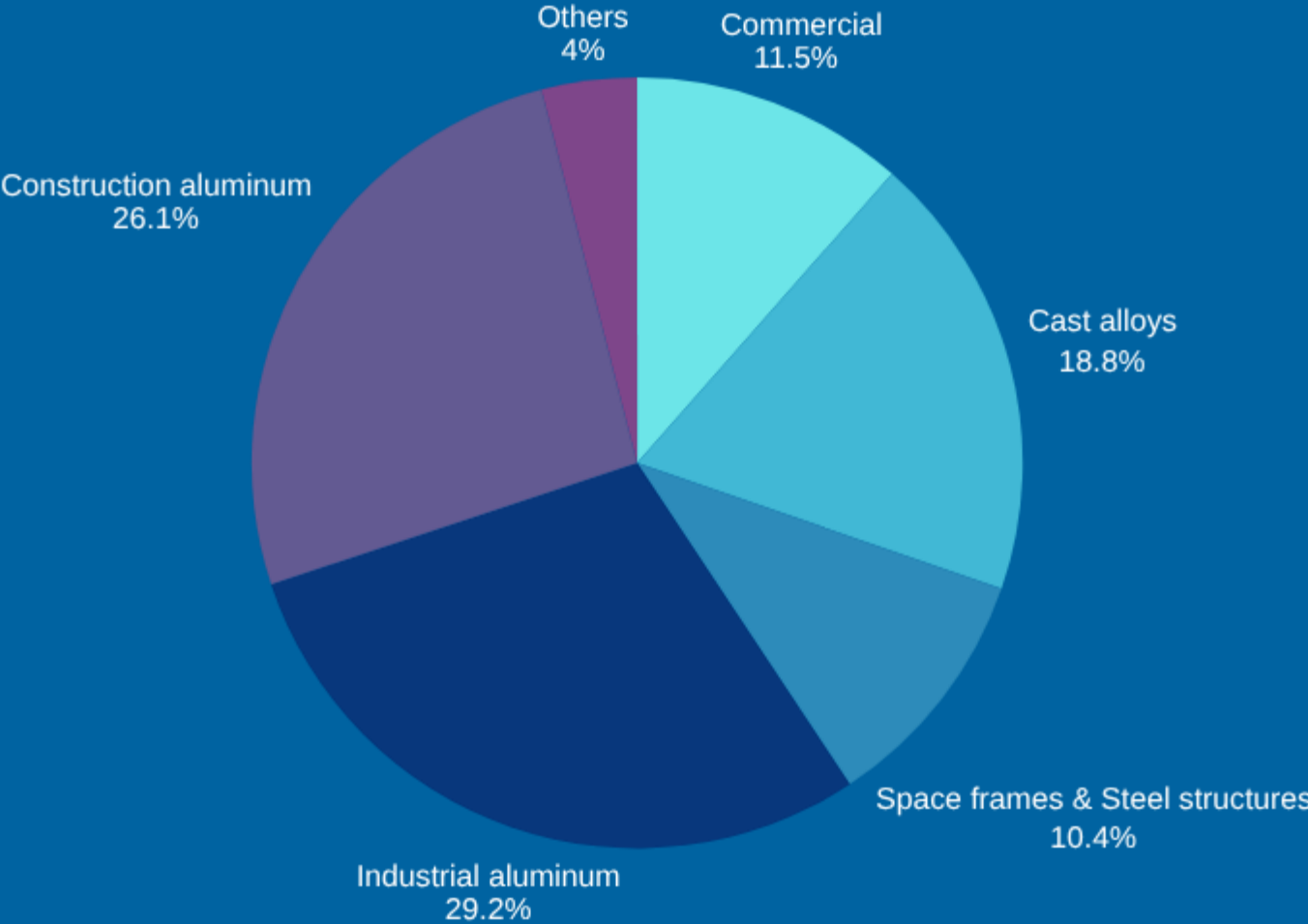
Certificate of supply chain security



Supply chain security certificate



# GROWTH



INFORMATION FROM THE BALANCE SHEET.

Unit: VND

| STT | Contents               | 2020            | 2021            | 2022            | 2023              | 2024              |
|-----|------------------------|-----------------|-----------------|-----------------|-------------------|-------------------|
| 1   | Total assets           | 934,054,400,320 | 850,703,453,174 | 914,475,140,755 | 1,069,550,149,644 | 1,214,313,255,244 |
| 2   | Total liabilities      | 453,411,851,097 | 359,023,572,839 | 416,434,136,352 | 563,360,496,426   | 677,202,422,843   |
| 3   | Giá trị tài sản ròng   | 480,642,549,223 | 491,679,880,335 | 498,041,004,403 | 506,189,653,218   | 537,110,832,401   |
| 4   | Short-term assets      | 674,186,205,709 | 605,283,162,244 | 680,558,289,161 | 838,591,684,414   | 986,083,883,654   |
| 5   | Short-term liabilities | 444,390,590,963 | 353,605,255,279 | 414,670,264,269 | 561,609,016,865   | 673,629,378,876   |
| 6   | Working capital        | 229,795,614,746 | 251,677,906,965 | 265,888,024,892 | 276,982,667,549   | 312,454,504,778   |

INFORMATION FROM THE INCOME STATEMENT

| STT | Nội dung          | 2020              | 2021            | 2022              | 2023              | 2024              |
|-----|-------------------|-------------------|-----------------|-------------------|-------------------|-------------------|
| 1   | Total revenue     | 1,044,906,814,653 | 761,083,123,636 | 1,033,224,551,341 | 1,023,213,882,613 | 1,255,735,107,371 |
| 2   | Profit before tax | 114,728,381,369   | 115,088,230,396 | 104,961,636,585   | 107,415,763,026   | 104,560,209,175   |
| 3   | Profit after tax  | 107,254,196,520   | 109,805,590,068 | 101,041,683,075   | 101,952,817,123   | 97,858,153,065    |



# BUSINESS AREAS

CKDA



## INVESTMENT

- Industrial Zone Investment and Development: CKDA is a major shareholder of Thang Long Industrial Park.



## COMMERCIAL

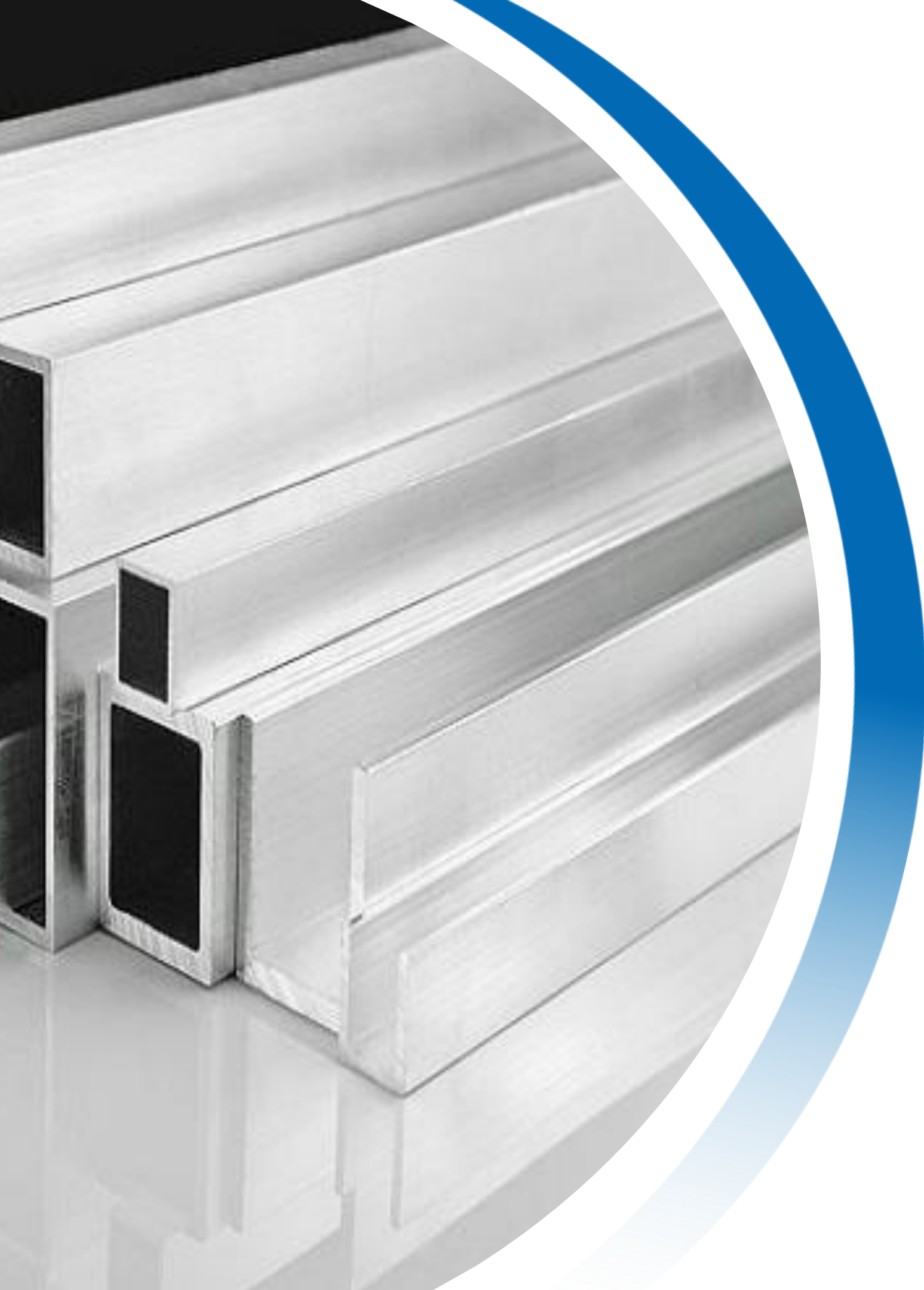
- Supply of Materials for the Foundry Industry
- Petroleum and Fuel Distribution
- Machinery Design, Importation, and Maintenance

## PRODUCTION

- Casting Alloys
- Space Frame and Steel Structures
- Aluminum Profiles
- WONDERBOAT Spaceship House

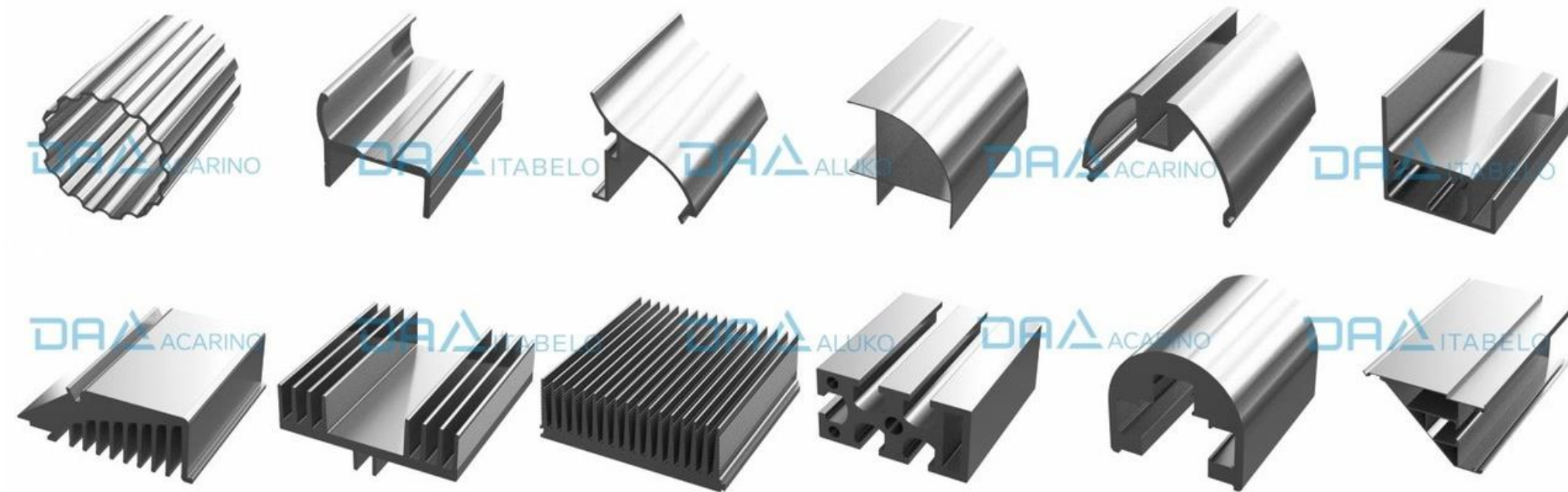


# EXTRUDED ALUMINUM PROFILES





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**PRODUCTION LINES AND TECHNOLOGY**

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**TYPICAL PRODUCTS**



# GENERAL INTRODUCTION



**Head Office:** Dong Anh, Hanoi – Northern Vietnam



**Role:** Leading aluminum manufacturer & exporter



**Experience:** Over 20 years in the aluminum industry



**Market:** Supplying products to both domestic and international markets



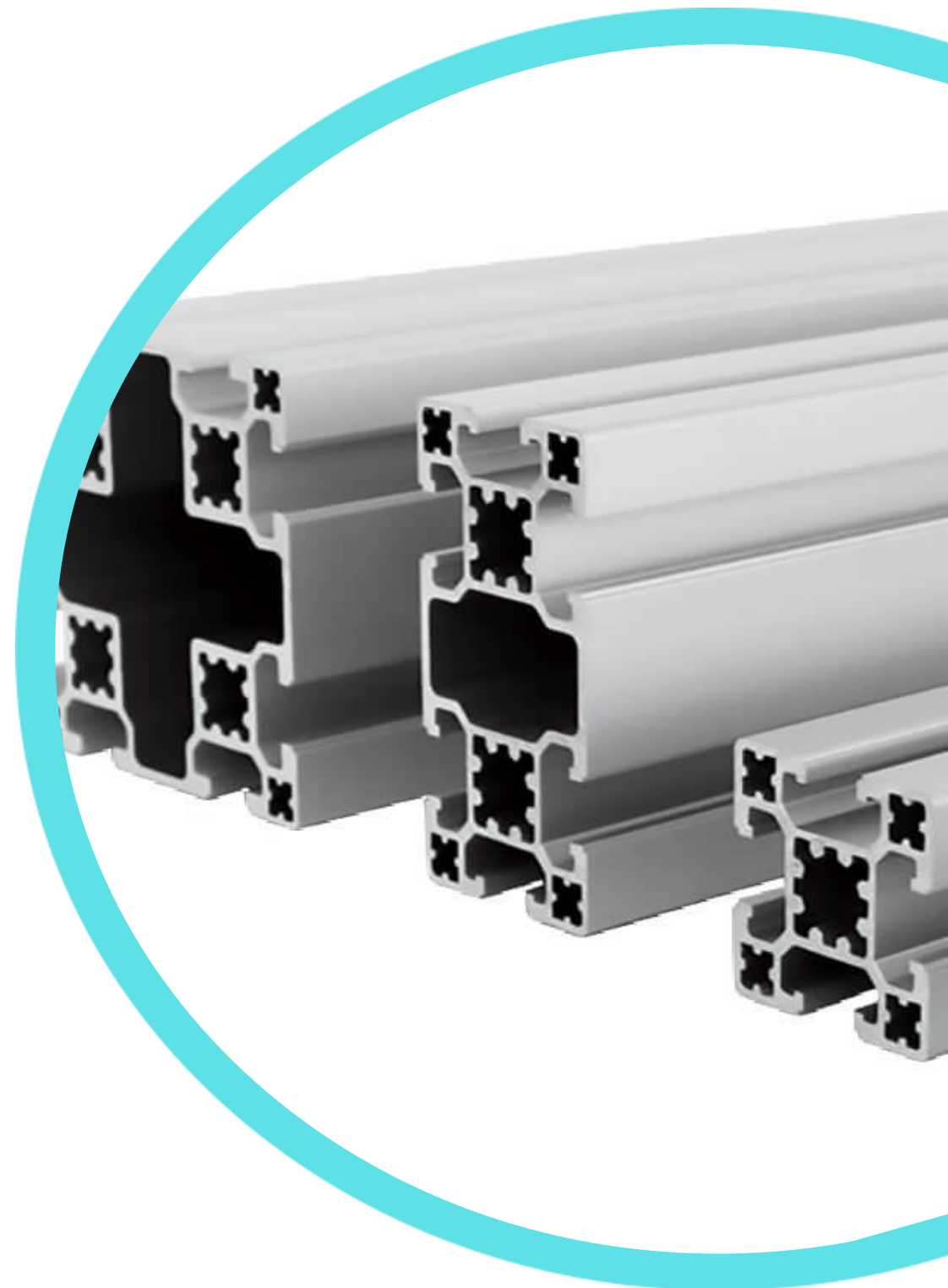
**Commitment:** Continuous improvement and product innovation



**Quality:** Strict compliance with quality control procedures



**Certifications:** ISO 9001, ISO 14001, C-TPAT – internationally recognized







## EXTRUSION LINES

- 03 Extrusion Lines
- Capacity: 10,000 tons per year





## MACHINING EQUIPMENT



**Single-head cutting machine**



**Automatic processing  
cutting machine**



**6-head drilling machine**



**Aluminum door arch  
bending machine**



**Arch bending machine**



**Mullion milling machine**



## FABRICATION EQUIPMENT



**Hydraulic punching and stamping machine**



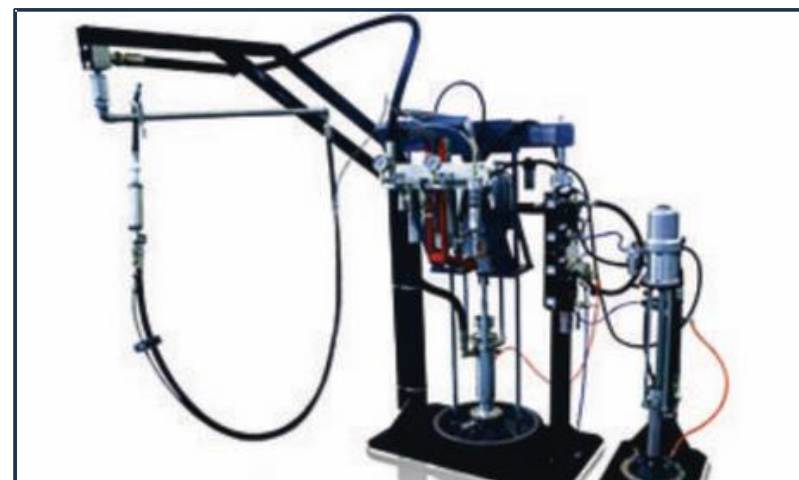
**Automatic corner cutting machine**



**Pattern copying milling machine**



**Aluminum cutting machine**



**Two-component glue dispenser**



**Corner pressing machine**



**High-head punching and stamping machine**

## TESTING EQUIPMENT



**Spectral analysis machine**



**Coating thickness tester**



**Adhesion tester**



**Hardness tester**



**Gloss meter**



**Impact resistance tester**



## SURFACE TREATMENT SYSTEM



**Anodizing line**



**Powder coating line**



**Sandblasting  
machine**



**Decoral Italia film  
transfer line**



# TYPICAL ALUMINUM PRODUCTS



## INDUSTRIAL ALUMINUM

## INTERIOR AND DECORATIVE ALUMINUM

## ALUMINUM DOORS AND WINDOWS

## PRESS FORMED ALUMINUM



### Materials

- 6000 Series Alloys: A6061, 6063, etc.
- Heat Treatment Conditions: T4, T5, T6



### Surface Treatment:

- Anodized: Enhances hardness and provides oxidation resistance
- Optional: Powder coating or custom surface treatments upon request



### Technical Standards:

- According to international standard ISO 6362
- TCVN 12513:2018

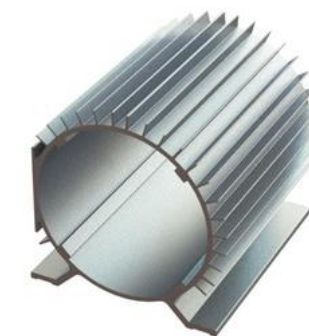
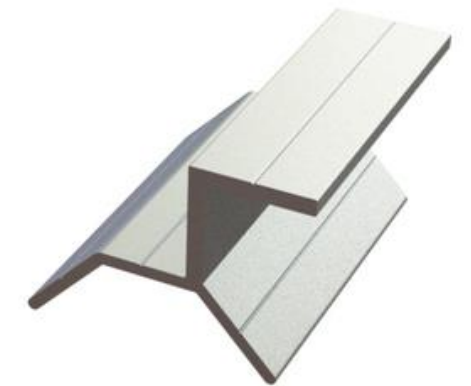
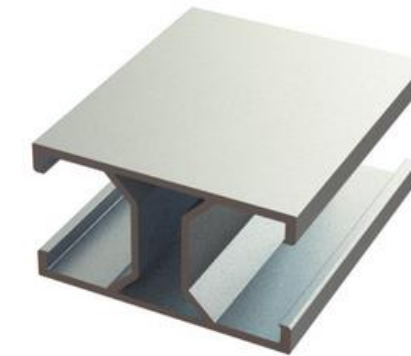
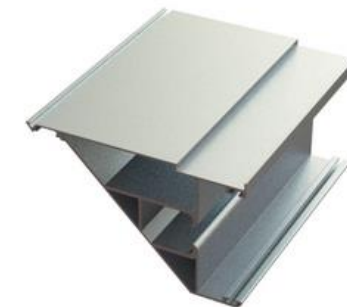
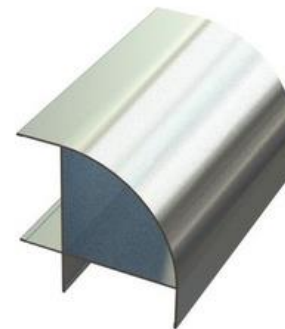
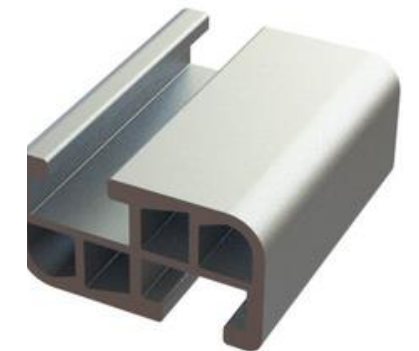


### Certifications

- ISO 9001: 2015
- ISO 14001
- C-TPAT



- Aluminum tube
- Aluminum for conveyor frame & workbench
- Aluminum for cleanroom partition
- Aluminum for solar panel frame
- Aluminum for ladder frame
- Aluminum for motor housing
- Aluminum heat sink plate



# ALUMINUM TUBE

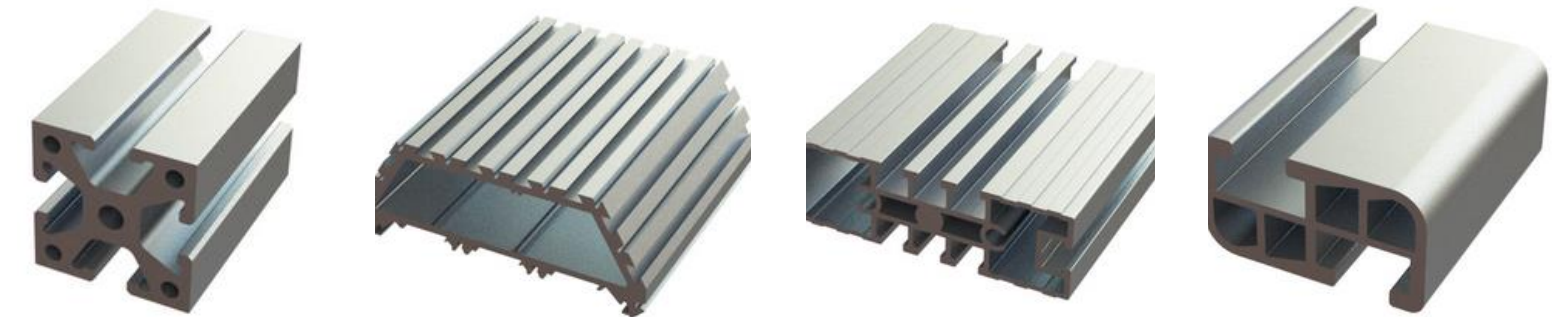


## APPLICATIONS:

- Decorative columns in architectural projects, showrooms, and shopping malls
- Support structures in premium interiors or lightweight outdoor constructions
- Lighting equipment, lamp posts, handrails, or signage poles
- Precision engineering or structures requiring even force distribution



# ALUMINUM FOR CONVEYOR FRAME & WORKBENCH



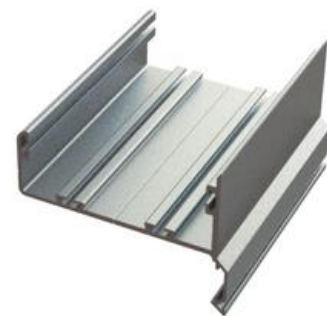
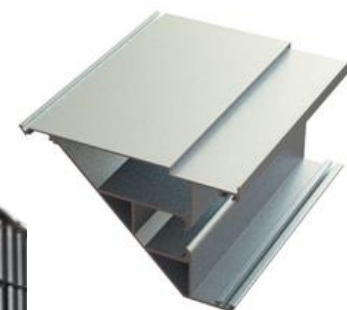
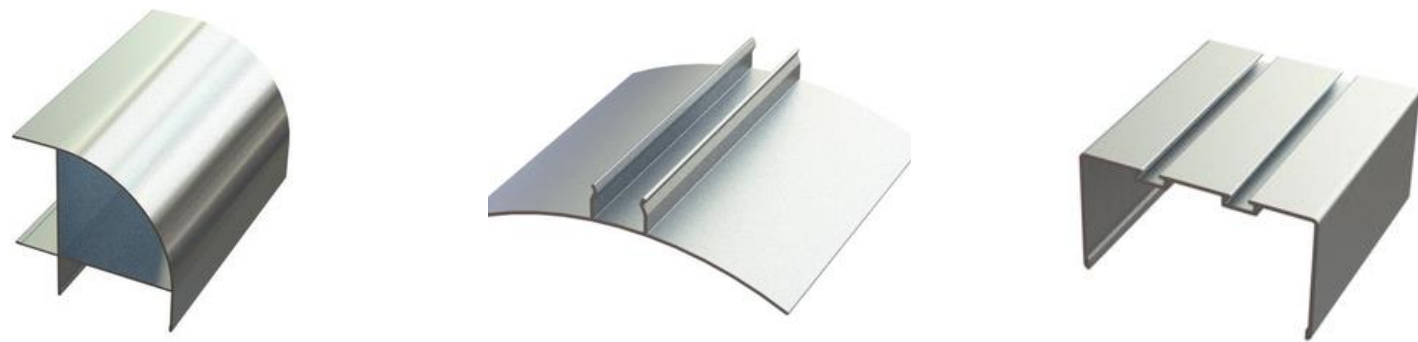
## APPLICATIONS:

- Roller conveyor systems, PVC and PU conveyors used in factories
- Technical workbenches for electronic and mechanical assembly lines
- Racks for materials, quality inspection stations, automated warehouses
- Machine frame structures and safety enclosures





# ALUMINUM FOR CLEANROOM PARTITION

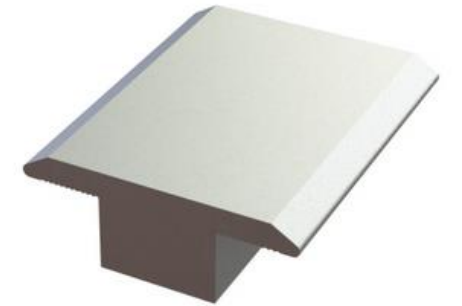
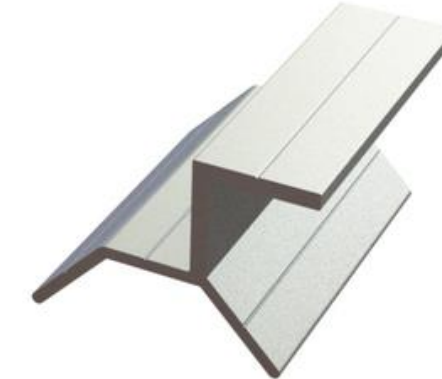
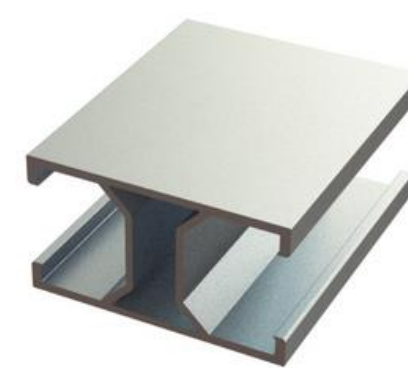


## APPLICATIONS:

- Pharmaceutical and nutraceutical manufacturing plants
- Operating rooms, laboratories, and research centers
- Electronics, microchip, and semiconductor manufacturing facilities
- Production workshops compliant with GMP, HACCP, and ISO standards

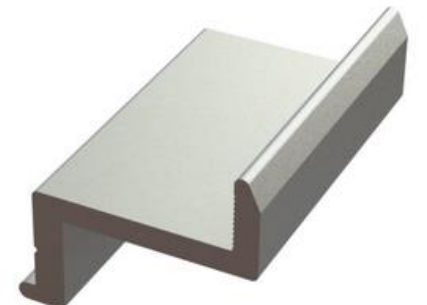


# ALUMINUM FOR SOLAR PANEL FRAME



## APPLICATIONS:

- Residential and industrial rooftop solar power systems
- Solar farms
- Floating solar power systems
- Charging stations and remote telecommunication stations
- Independent renewable energy projects offshore





# ALUMINUM FOR LADDER FRAME



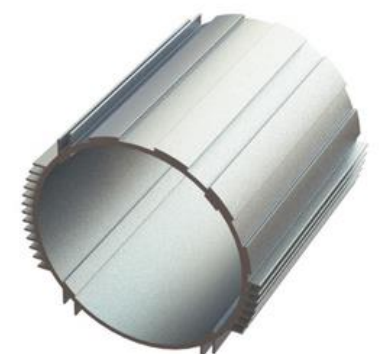
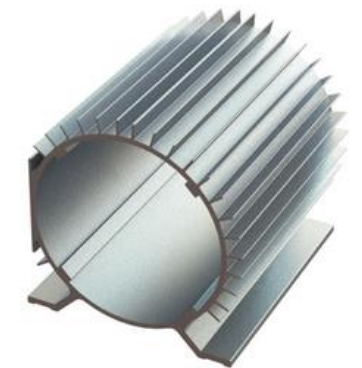
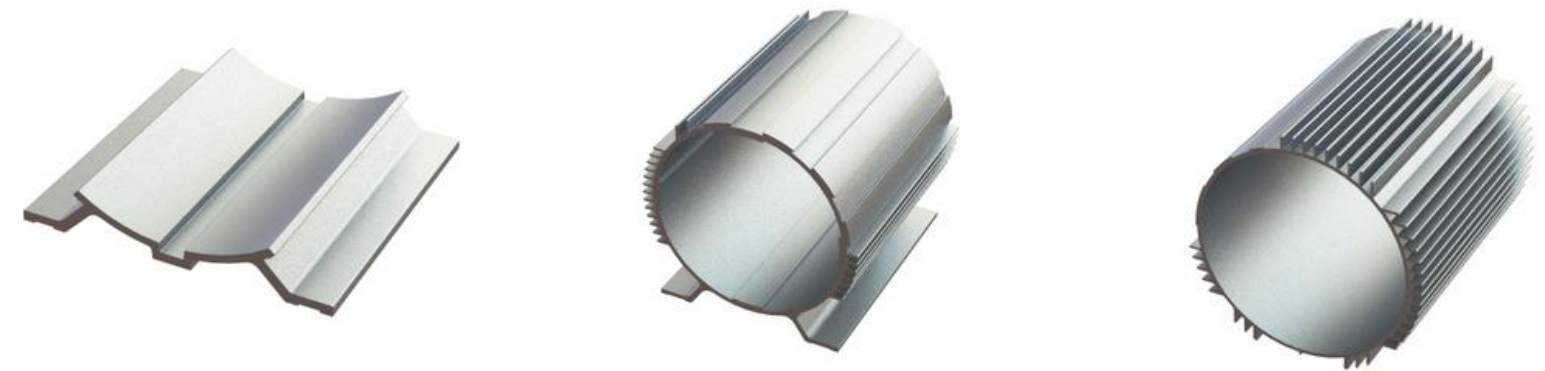
## APPLICATIONS:



- Technical ladders for factories, warehouses, and construction sites
- Outdoor emergency escape ladders, residential rooftop ladders
- Multipurpose folding ladders for households and electrical and plumbing industries
- Climbing frame components for sports or educational facilities



# ALUMINUM FOR MOTOR HOUSING

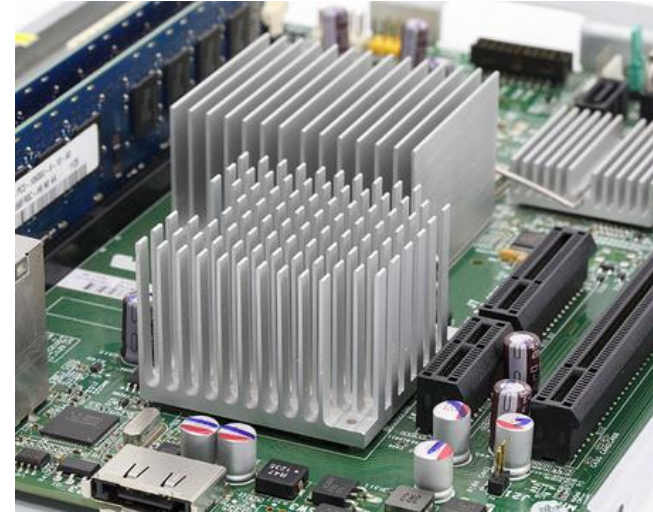
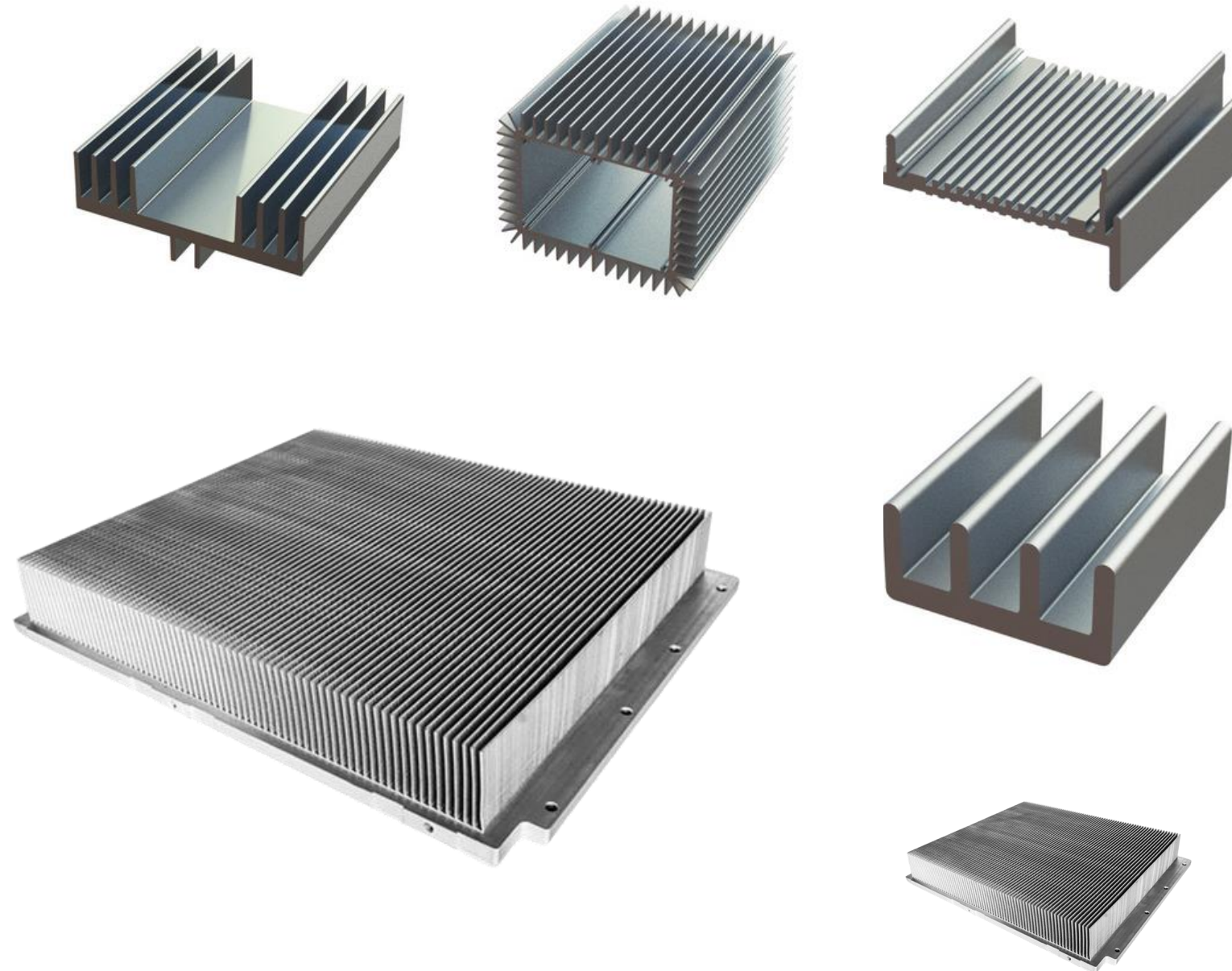


## APPLICATIONS:

- Enclosures for industrial electric motors, servo motors, and fan motors
- Casings for water pumps, air pumps, and compressors
- Generators for residential and industrial use
- Motors in precision mechanical equipment and CNC machines



# ALUMINUM HEAT SINK PLATE



## APPLICATIONS:



- Heat sink base plates for LED modules, inverters, and electrical cabinets
- Thermal bases for CPUs, GPUs, and high-power electronic devices
- Solar power systems and UPS (uninterruptible power supply) units
- Telecommunication equipment, and components for the automotive and aerospace industries



# DECORATIVE ALUMINIUM PROFILES



## Materials

- 6000 series: A6061, 6063, ...
- Heat treatment conditions: T4, T5, T6



## Surface treatment

- Anodized to enhance hardness and corrosion resistance
- Powder coating or custom surface treatments available upon request



## Technical standards

- According to international standard ISO 6362
- Vietnamese standard TCVN 12513:2018



## Certificates

- ISO 9001: 2015
- ISO 14001
- C-TPAT





# ALUMINUM FENCES



## APPLICATIONS:

- Villas, townhouses, and high-end resorts
- Residential areas, urban zones, and school campuses
- Public facilities such as parks and cultural centers
- Light-duty security fences for factories and industrial parks



# ALUMINUM SHELVES



## APPLICATIONS:



- Display cabinets and shelves for showrooms, supermarkets, and retail stores
- Filing cabinets and tool racks for use in factories
- Modular shelving systems in mechanical and electronics workshops
- Aluminum-glass cabinets for homes, laboratories, and medical facilities





# ALUMINIUM RAILINGS

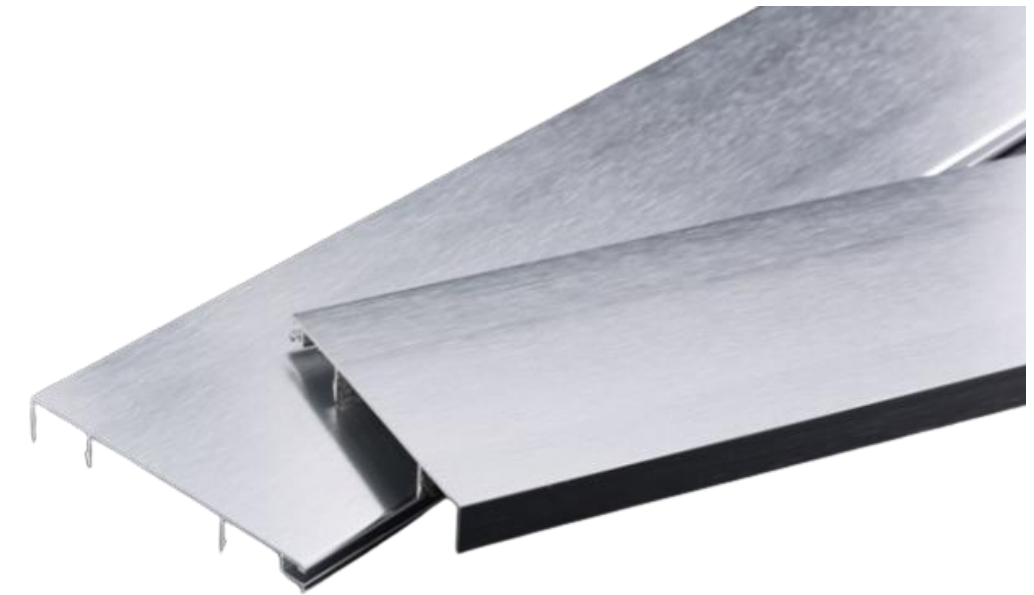


## APPLICATIONS:

- Balcony railings for houses, villas, and high-end apartments
- Stair railings for both indoor and outdoor use
- Handrails for hospital corridors, schools, and shopping centers
- Installations in hotels, resorts, and luxury retreats

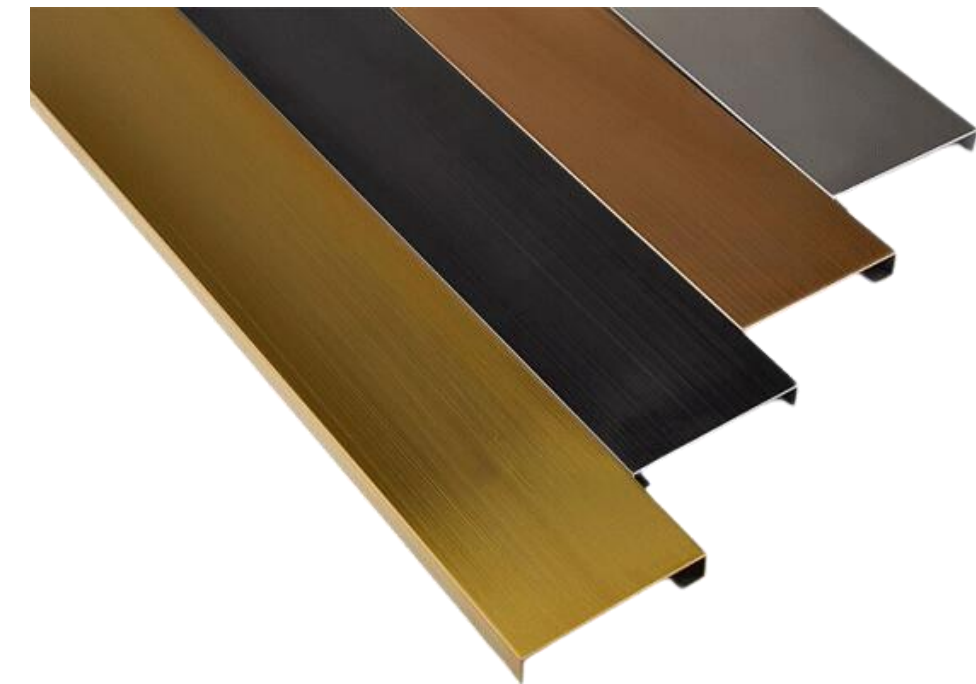


# ALUMINIUM SKIRTING PROFILES



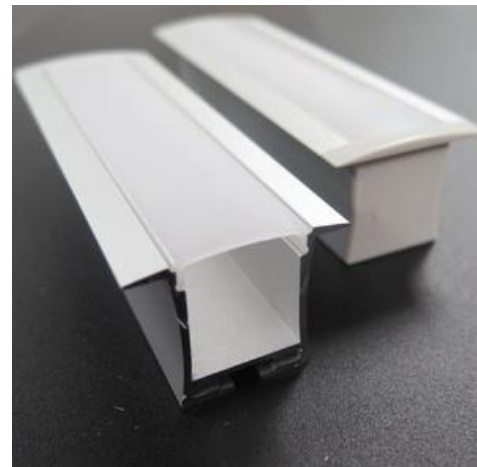
## APPLICATIONS:

- Apartments, townhouses, and villas
- Offices, showrooms, hotels, and shopping centers
- Hospitals, schools, restaurants, and public service areas
- Projects requiring high hygiene standards and easy cleaning





# ALUMINIUM HOUSING FOR LED LIGHTS



## APPLICATIONS:

- LED housings for residential lighting: ceiling lights, tube lights, cove lights
- LED fixtures for industrial use: factory lights, street lights, floodlights
- Aluminum LED strips for interior decoration, display cabinets, and showrooms
- Recessed lighting, spotlights, and aluminum frame-mounted accent lights

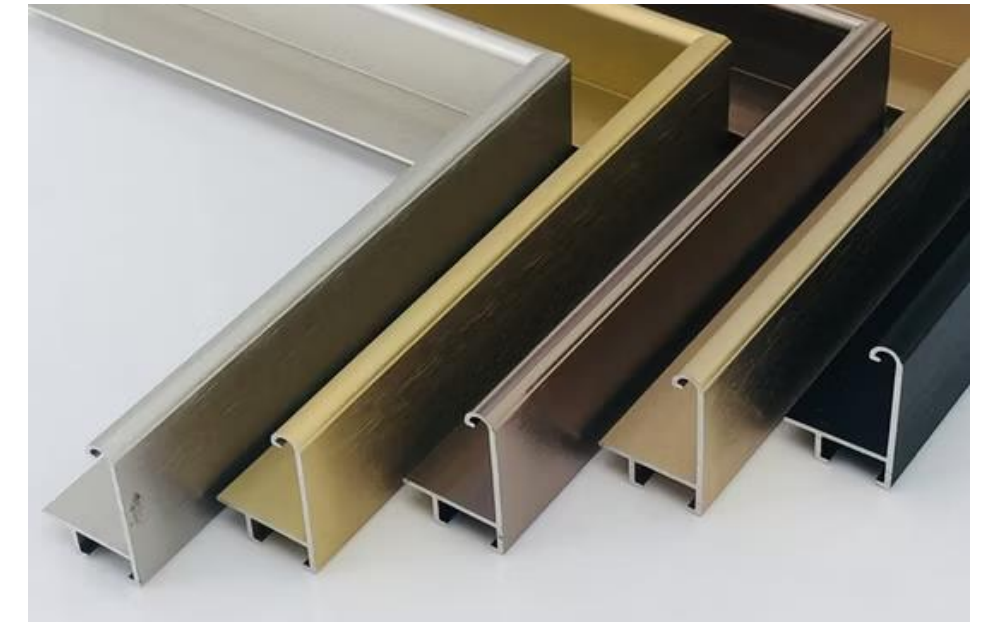


# ALUMINIUM PHOTO FRAME



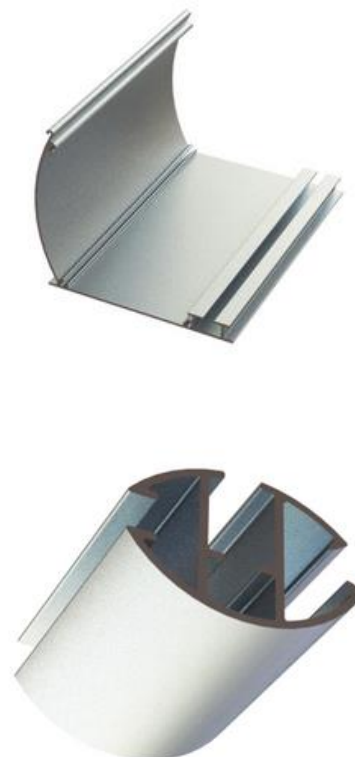
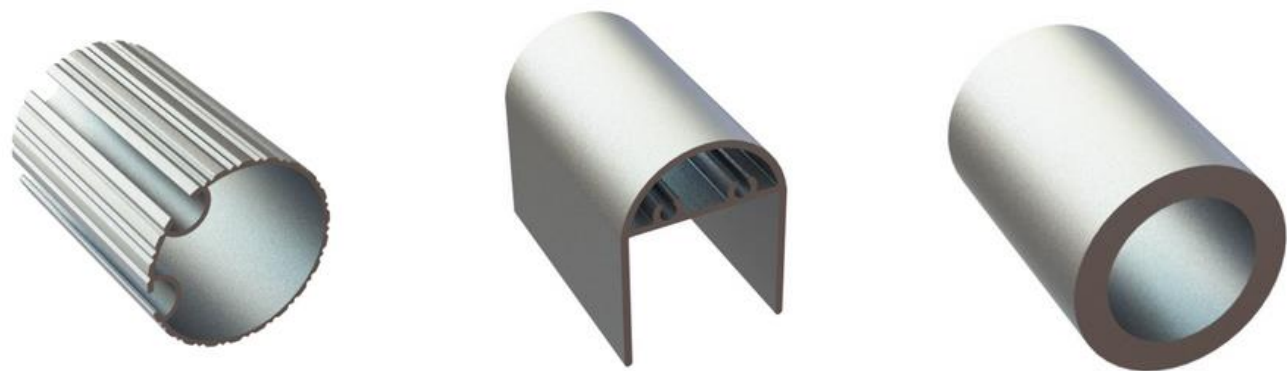
## APPLICATIONS:

- Picture frames and certificate frames for homes and offices
- Poster frames and menu frames for restaurants, showrooms, and stores
- Advertising frames, calendar frames, and wall-mounted glass frames
- Display frames for exhibitions, galleries, and museums





# ALUMINIUM CURTAIN TRACK



## APPLICATIONS:

- Curtain rods for windows and doors in homes, apartments, and hotels
- Curtain tracks for hospitals and clinics (bed dividers, partition curtains)
- Room divider curtains, decorative or thermal insulating curtains
- Motorized curtain systems



# ALUMINIUM DOORS AND WINDOWS

## APPLICATIONS



DA-40 ALUMINIUM SYSTEM

DA-48 ALUMINIUM SYSTEM

DA-XF ALUMINIUM SYSTEM

DA-MA ALUMINIUM SYSTEM

DA-AL ALUMINIUM SYSTEM

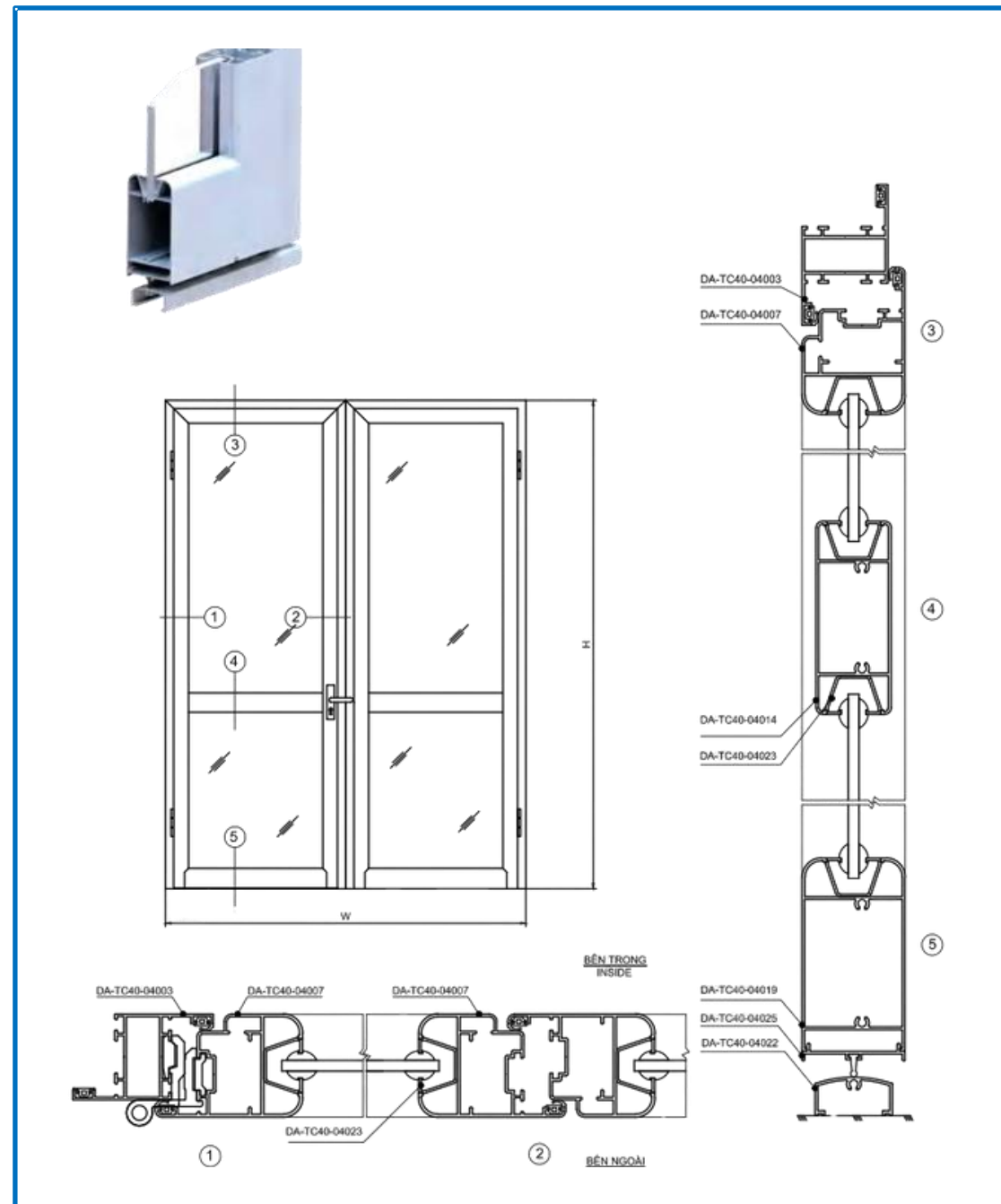
CURTAIN WALL SYSTEM



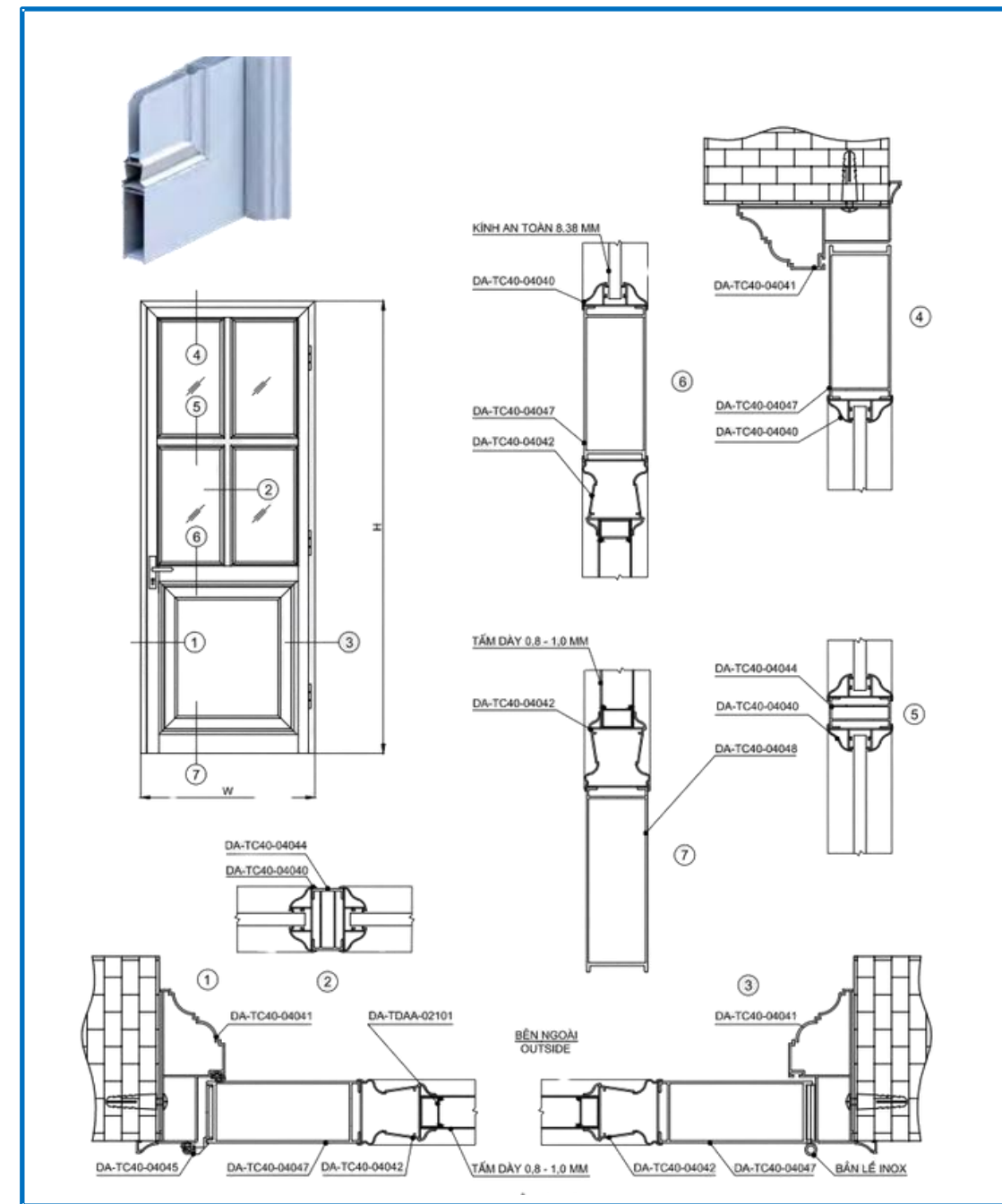
# DA-40 ALUMINIUM SYSTEM



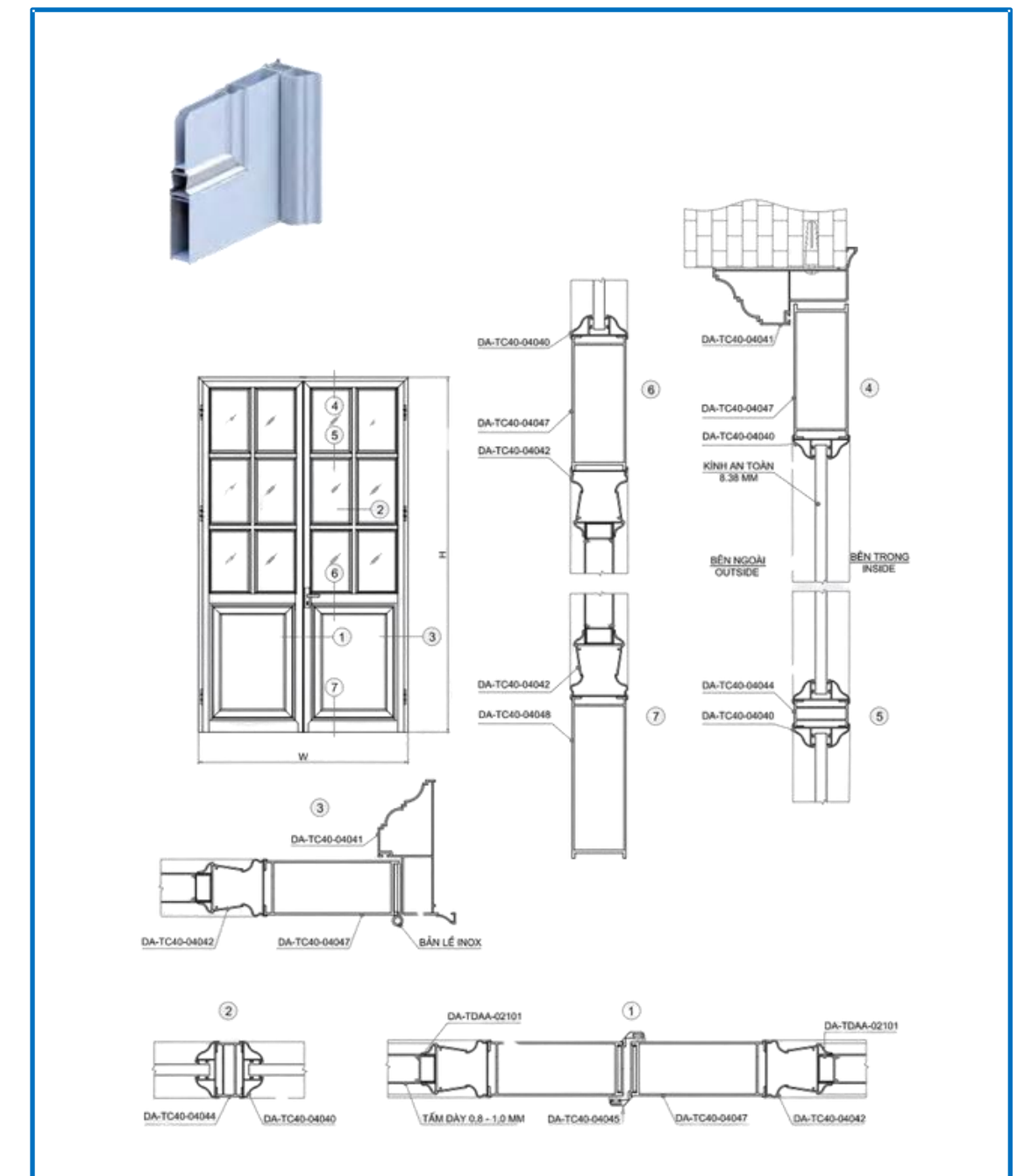
Double-leaf door structure  
– DA-40 series



Single-leaf window structure –  
DA-40D series



Double-leaf window structure  
– DA-40D series



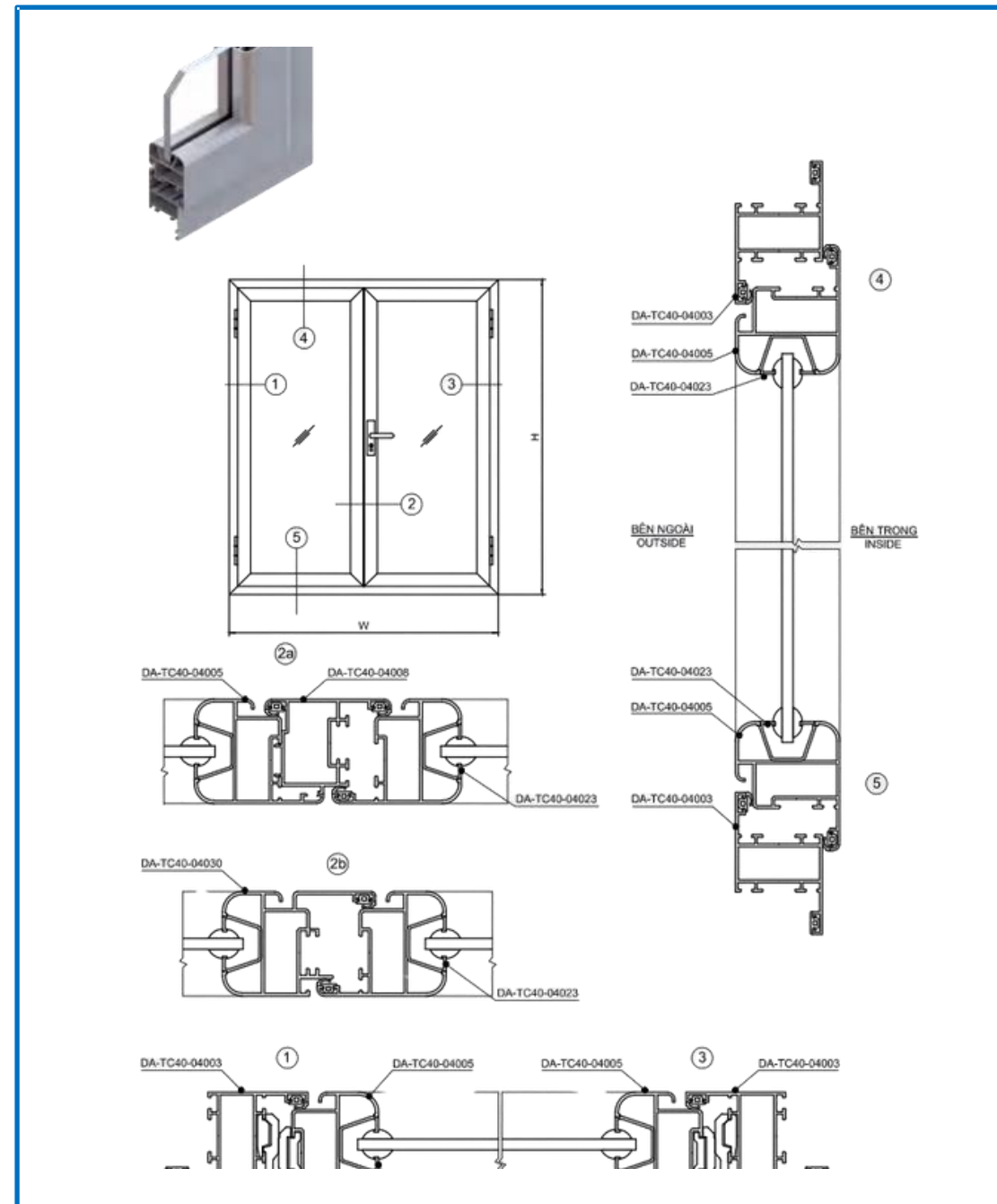
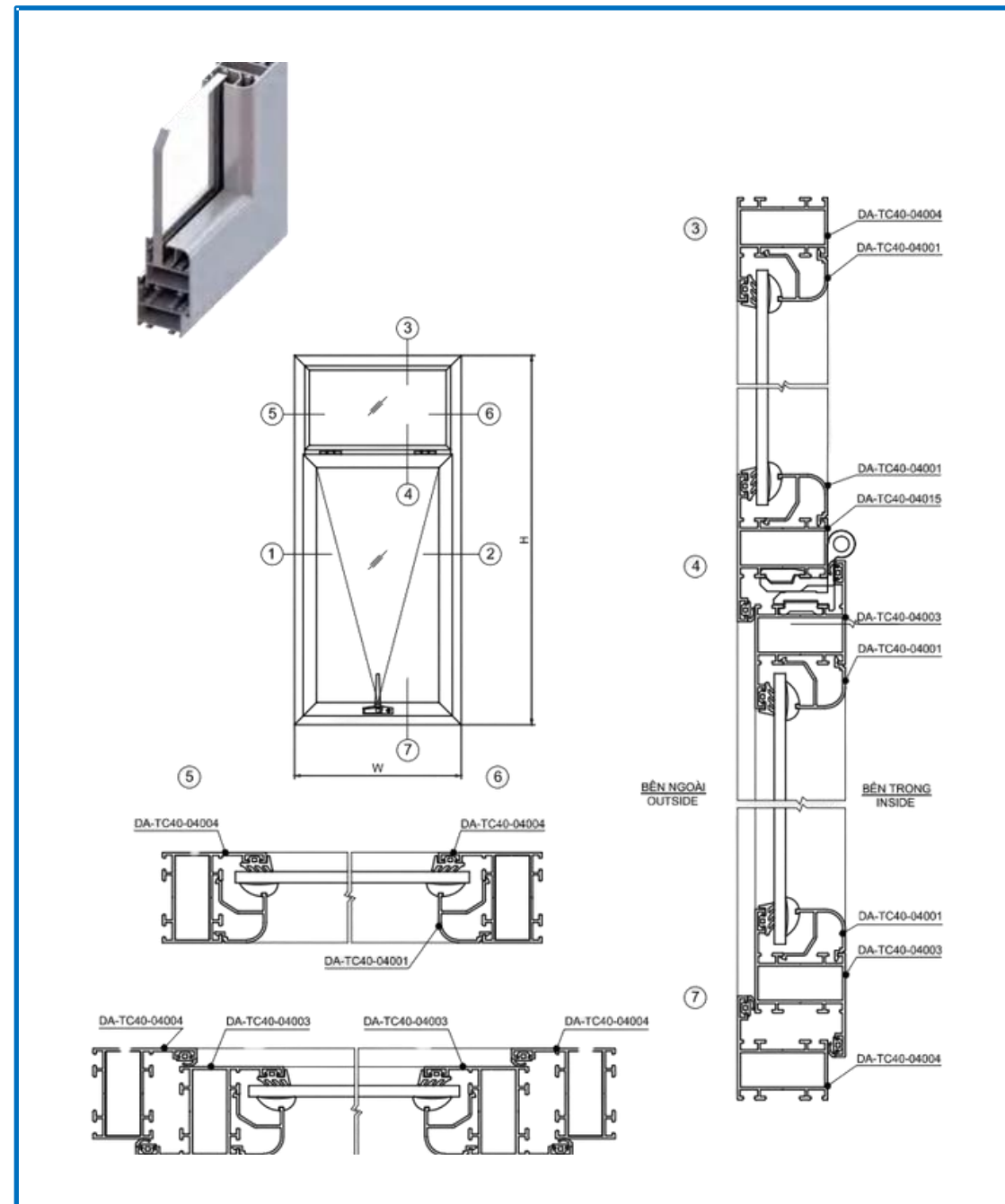


# DA-40 ALUMINIUM SYSTEM



Single-leaf window structure  
– DA-40 series

Double-leaf window structure  
– DA-40 series



## APPLICATIONS

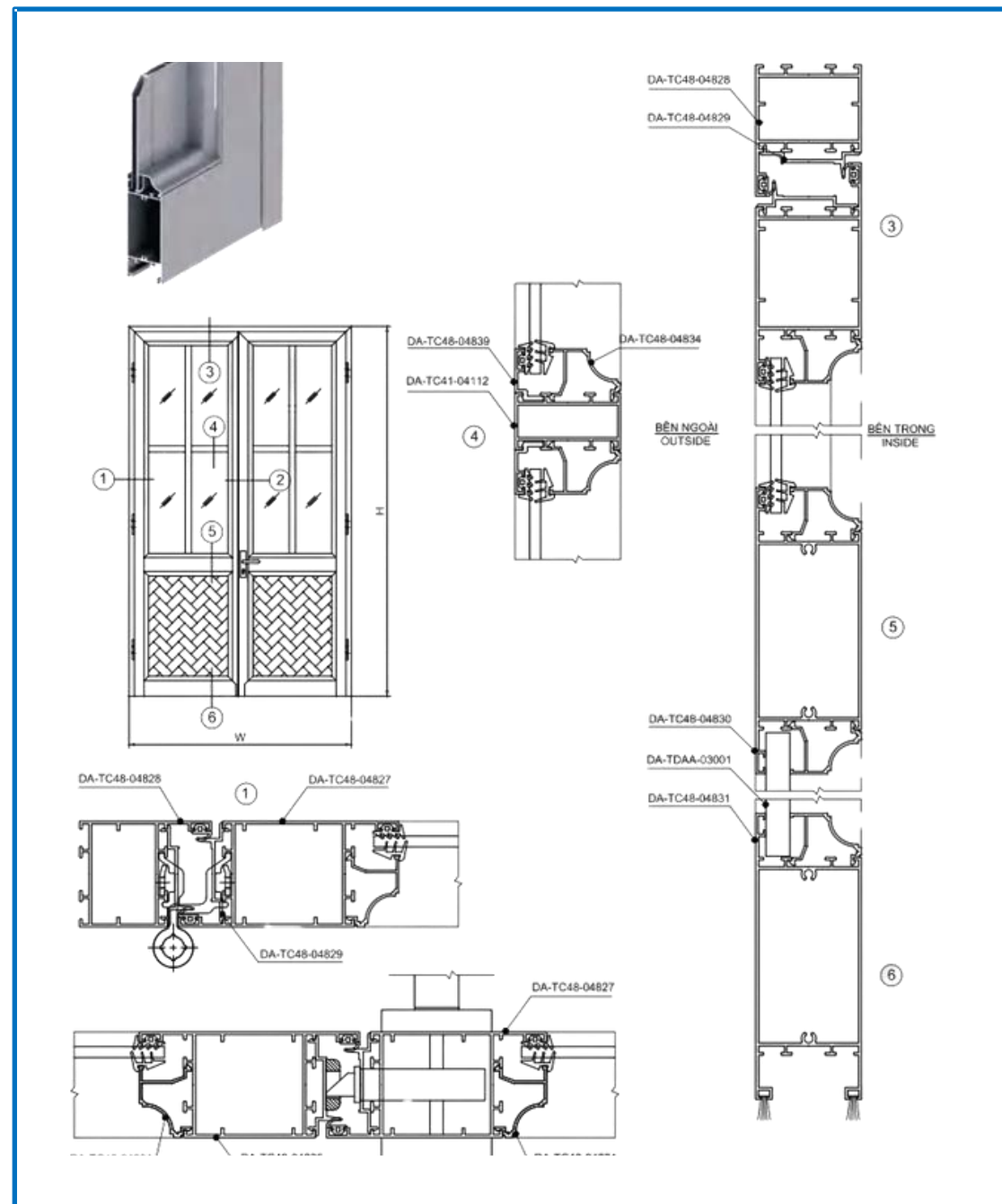
- Single and double swing doors for townhouses and apartments
- Outward-opening awning and casement windows
- Interior doors, restroom doors, and balcony doors
- Aluminum-glass doors combined with fixed panels



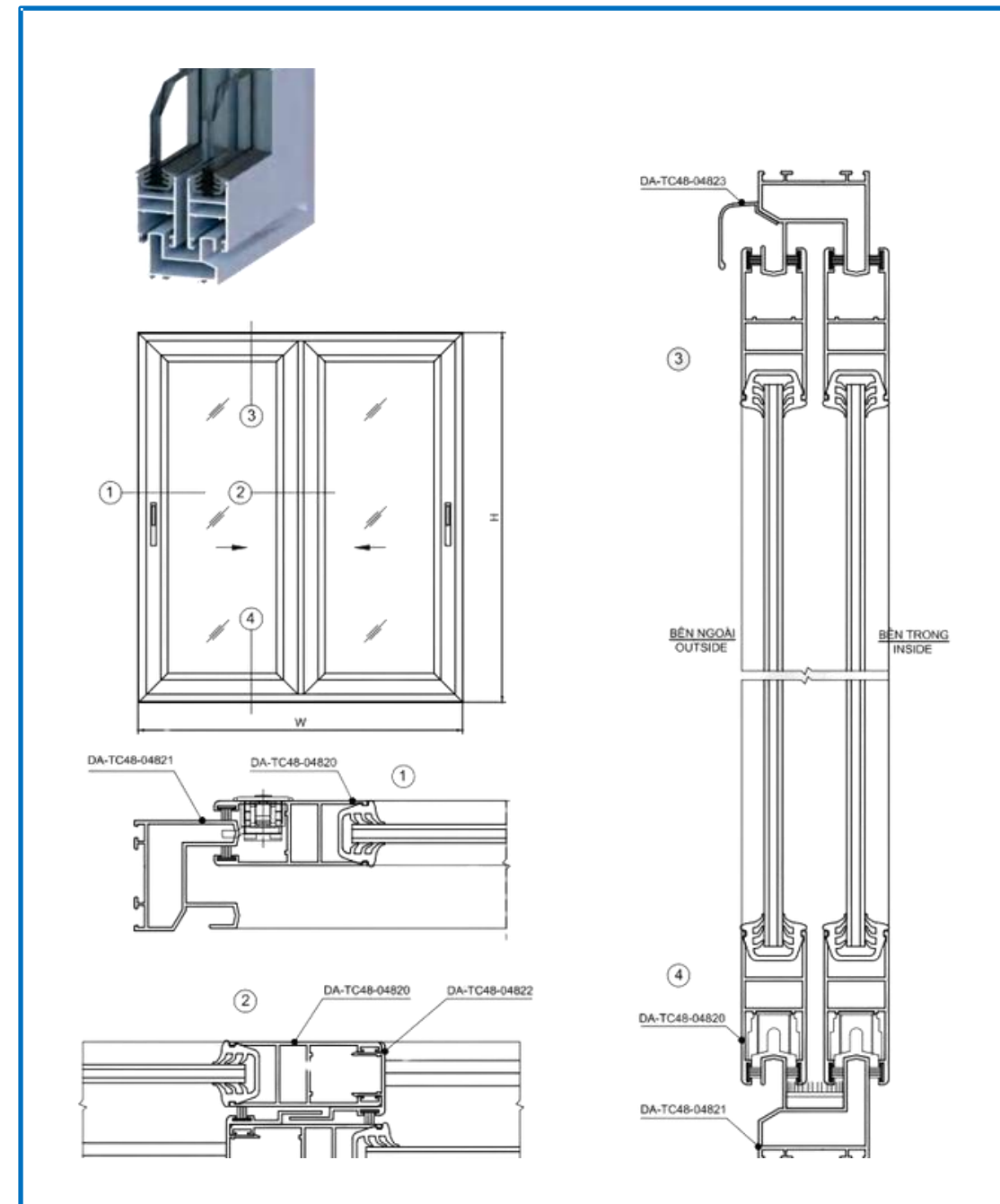
# DA-48 ALUMINIUM SYSTEM



## Door structure – DA-48 series



## Window structure – DA-48 series



## APPLICATIONS:

- Single-leaf or double-leaf doors swinging inward or outward
- Windows with top-hung, casement, or fixed glass panel combinations
- Interior doors, office doors
- Doors equipped with multi-point locks, 3D hinges, and modern handles



# DA-XF ALUMINIUM SYSTEM

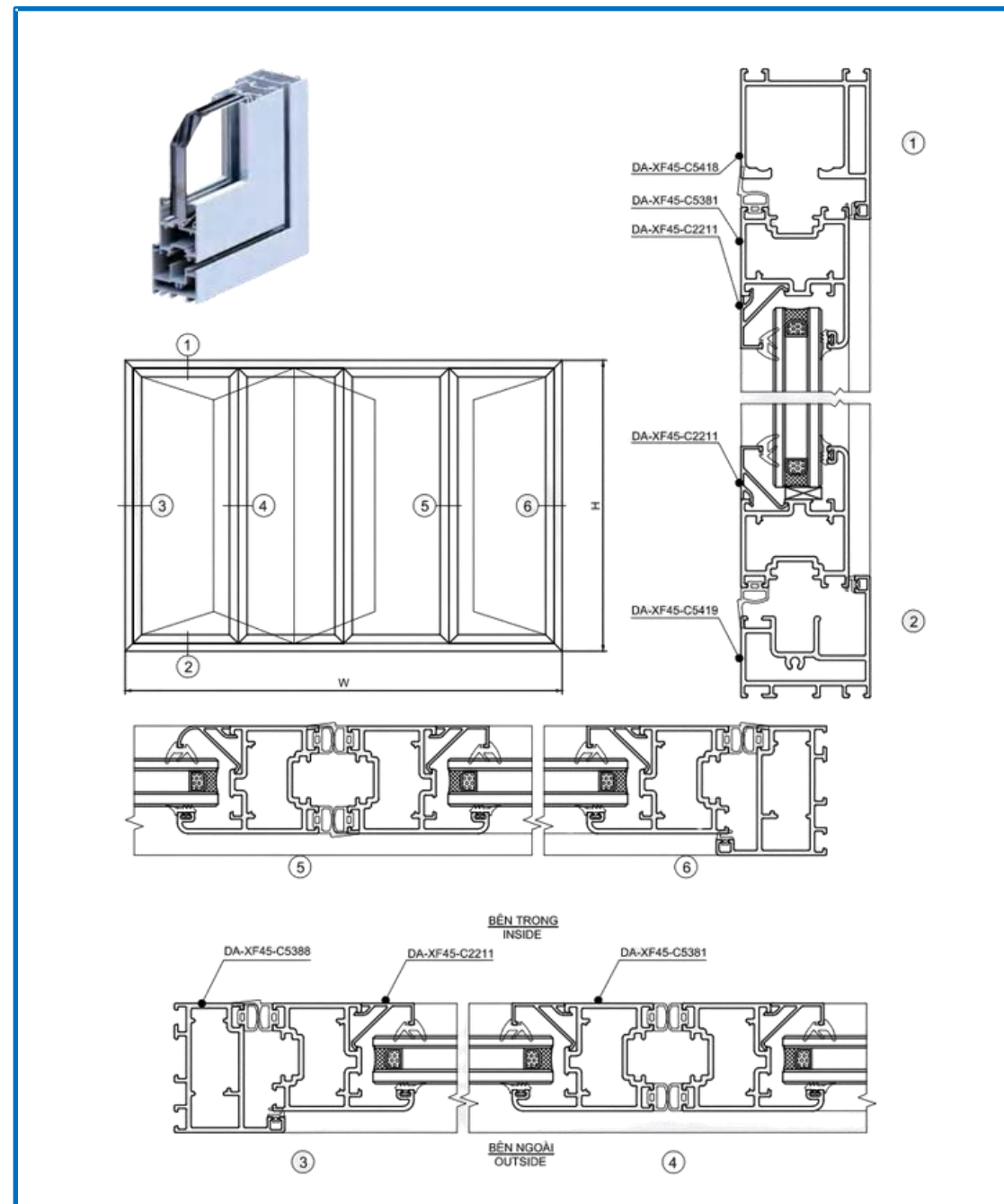


## Structure of sliding door system DA-XF45



### APPLICATIONS:

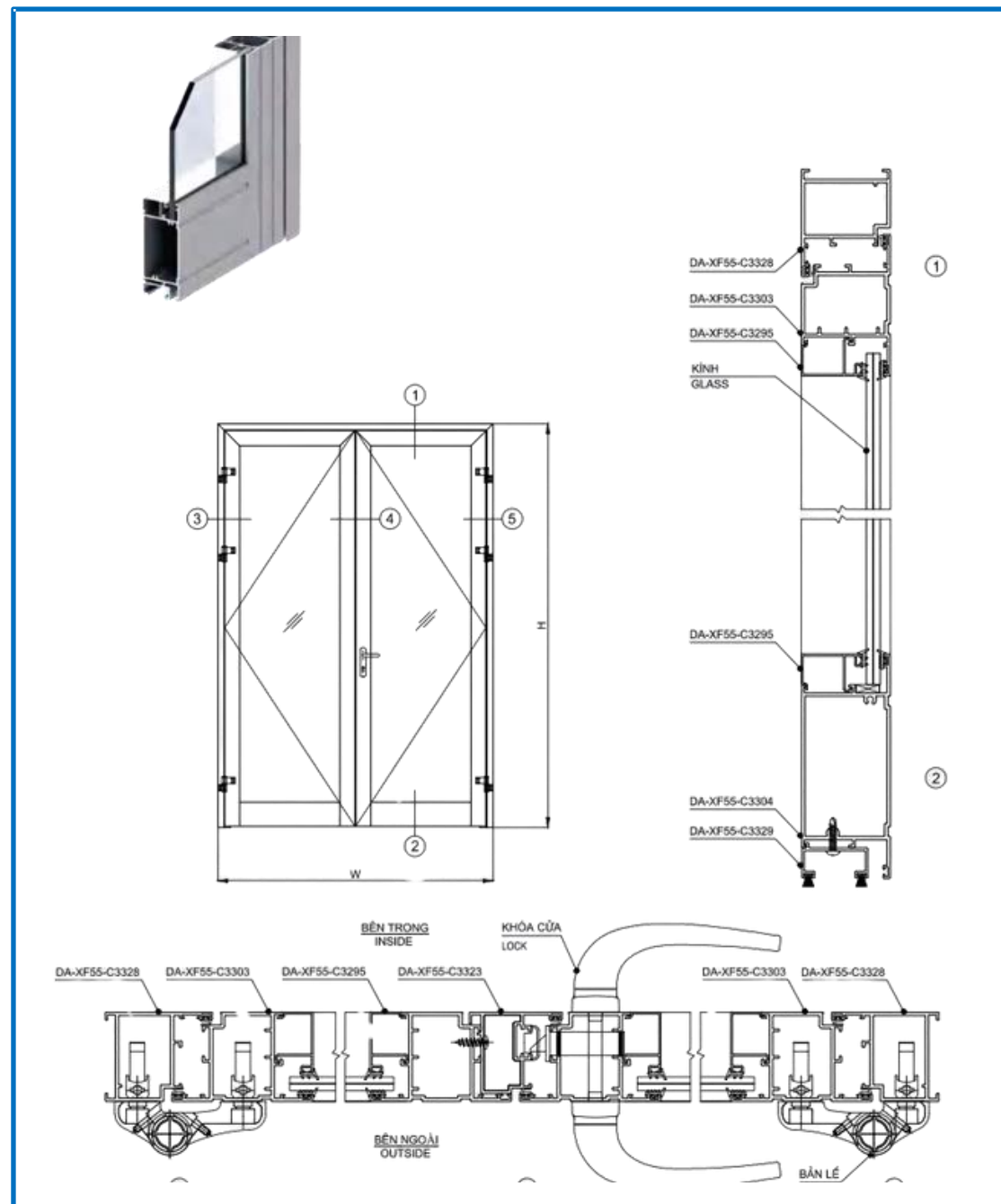
- Sliding balcony doors, garden exit doors
- Sliding windows for living rooms and bedrooms
- Sliding doors for interior partitions, restaurants, and offices
- Large door systems requiring installation of wide tempered glass panels



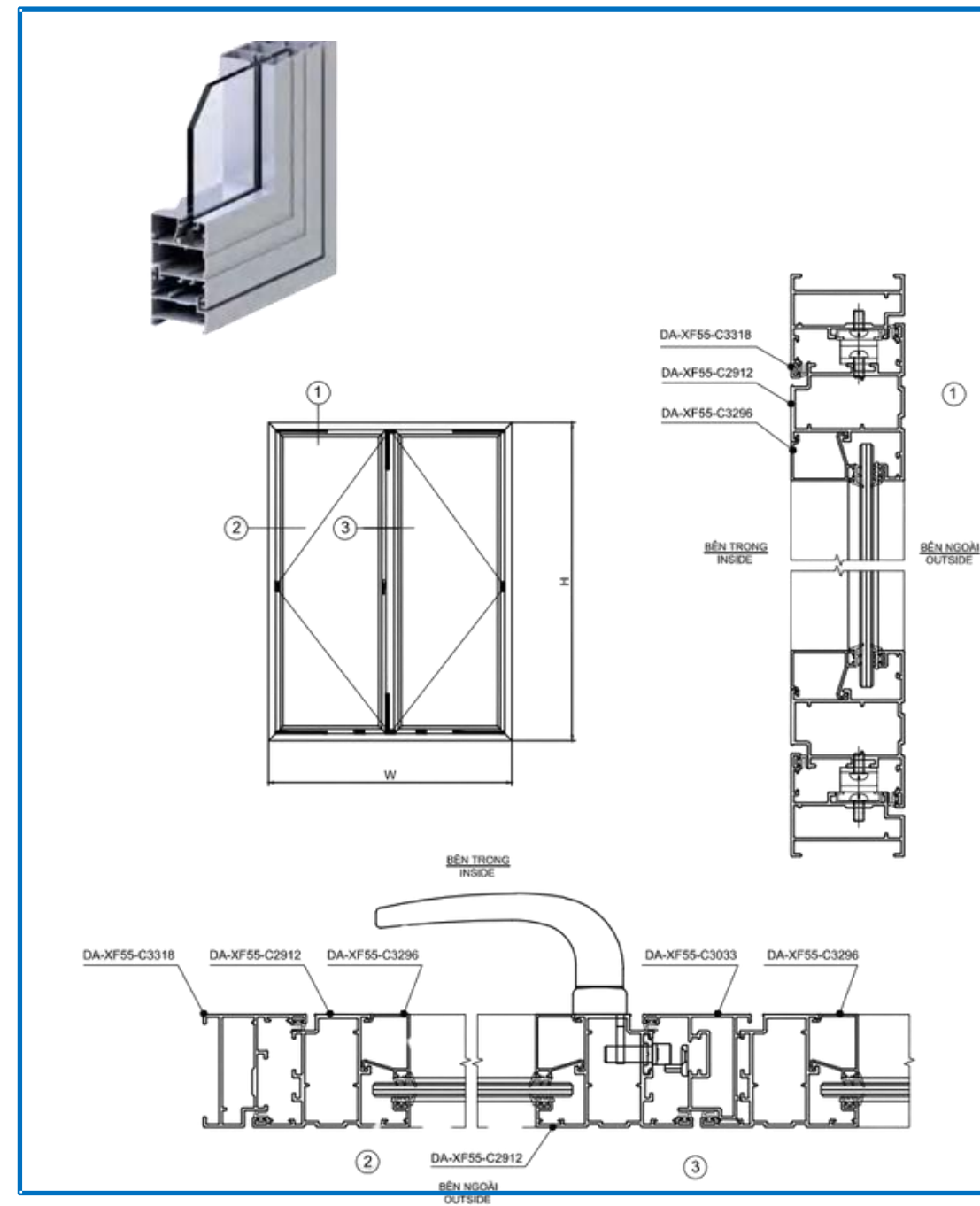
# DA-XF ALUMINIUM SYSTEM



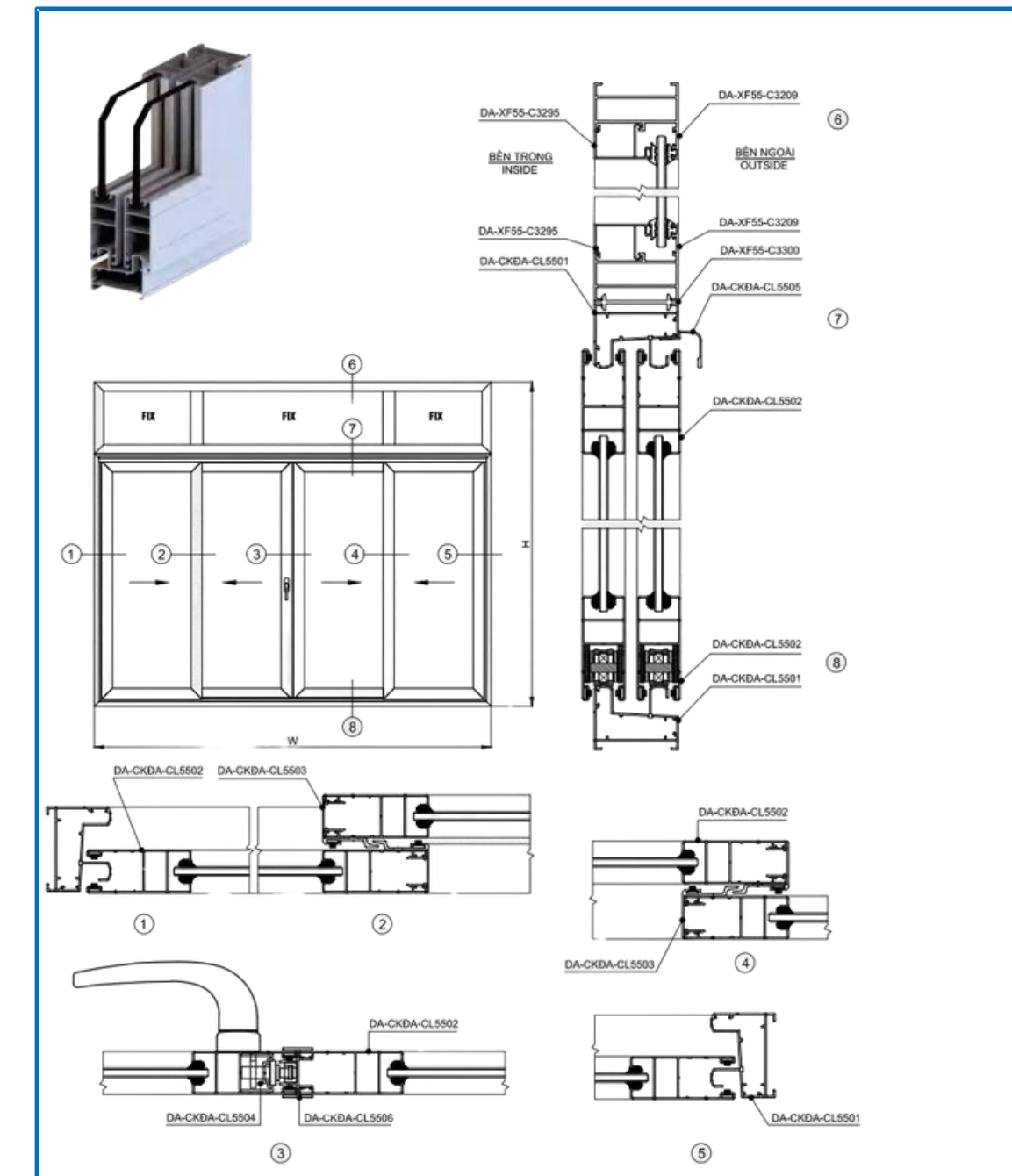
## Swing door structure – DA-XF55 system



## Window structure – DA-XF55 system



## Sliding door structure – DA-XF55 system

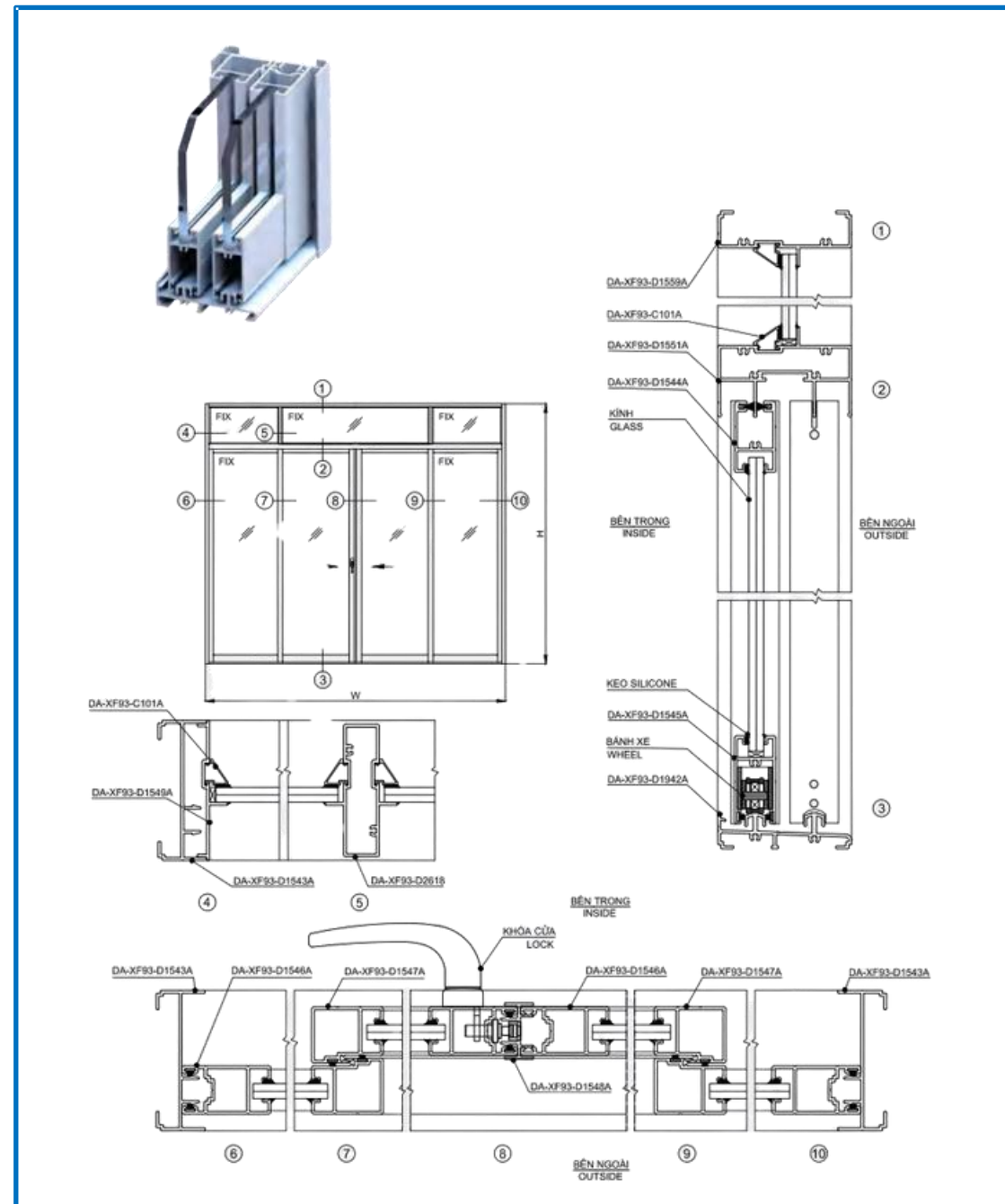




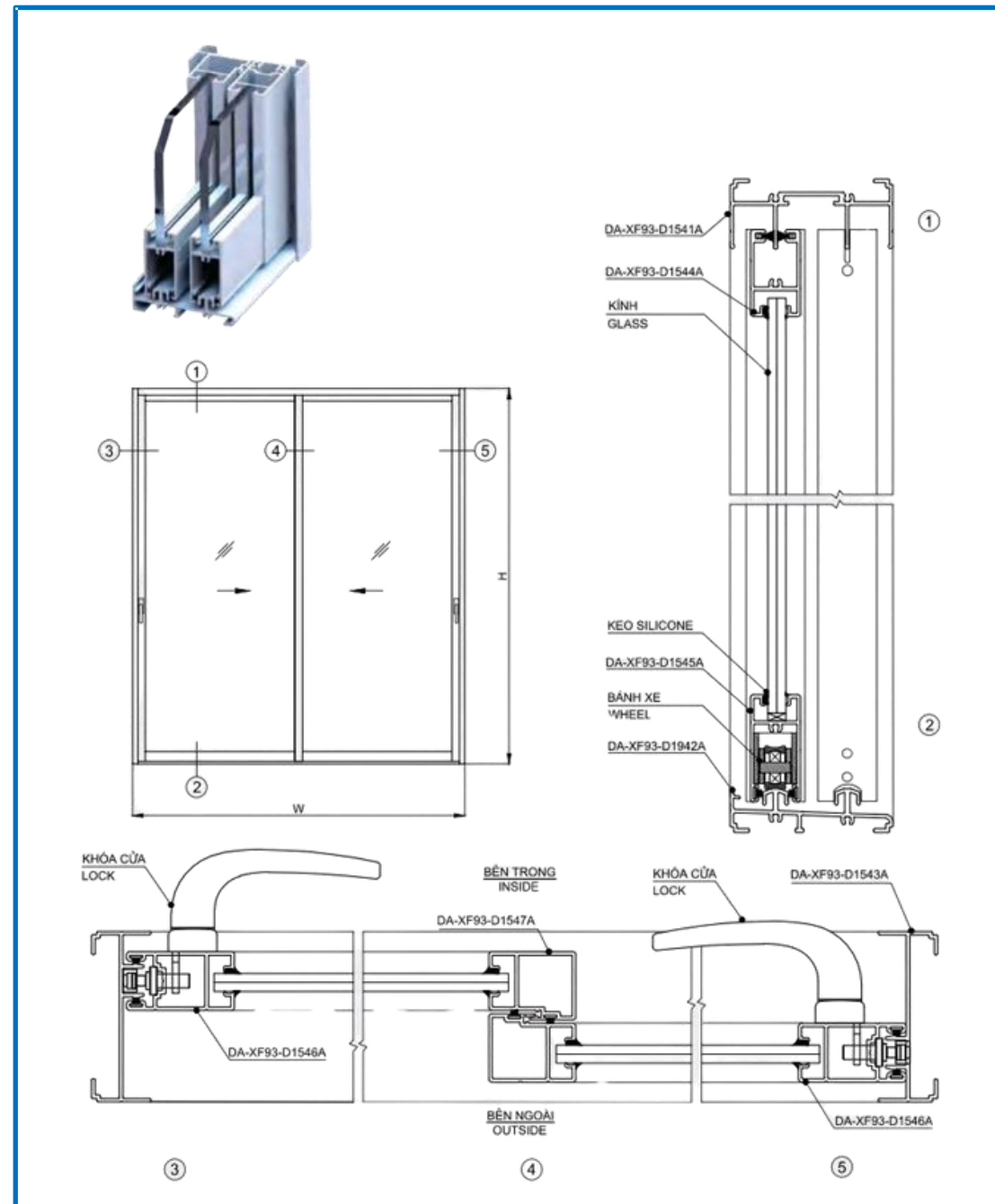
# DA-XF ALUMINIUM SYSTEM



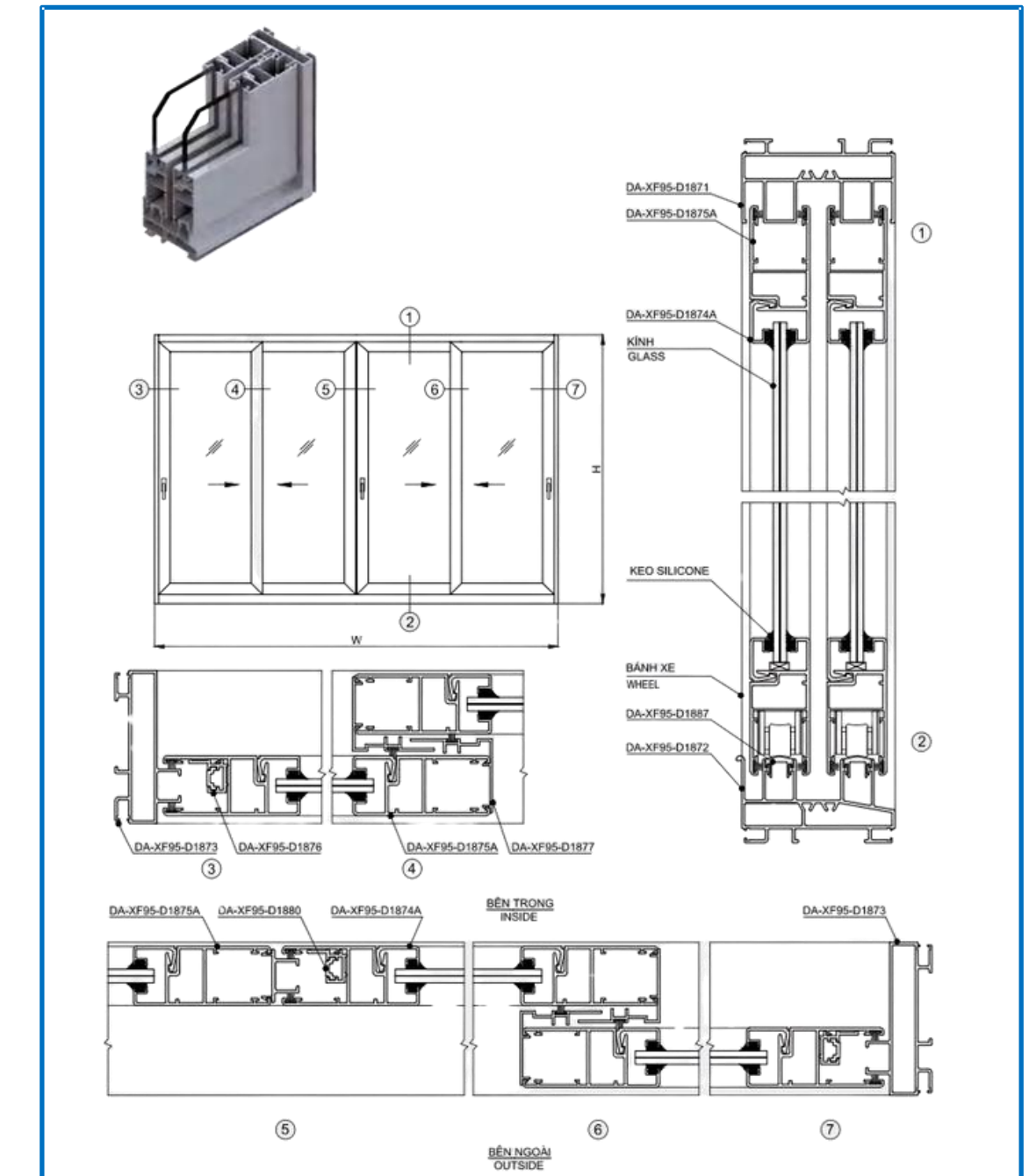
Sliding door structure – DA-XF93 system



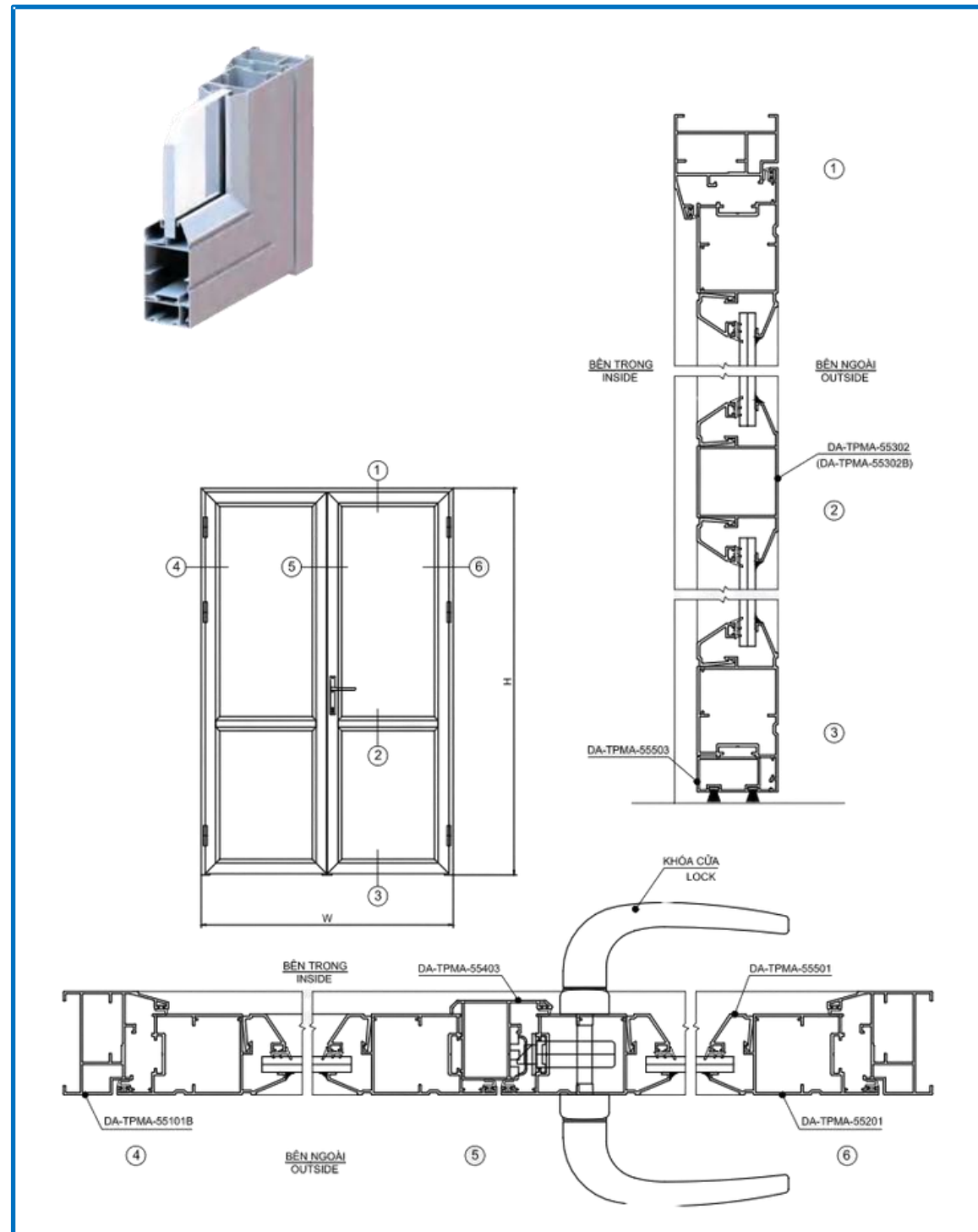
Window structure – DA-XF93 system



Sliding door structure – DA-XF95 system



# DA-MA ALUMINIUM SYSTEM



## APPLICATIONS:

- Main hinged doors, balcony doors, interior doors
- Casement windows, top-hung windows combined with fixed glass panels
- Premium aluminum and glass doors for villas, townhouses, and luxury apartments
- Doors with high requirements for sound insulation, thermal insulation, and airtightness





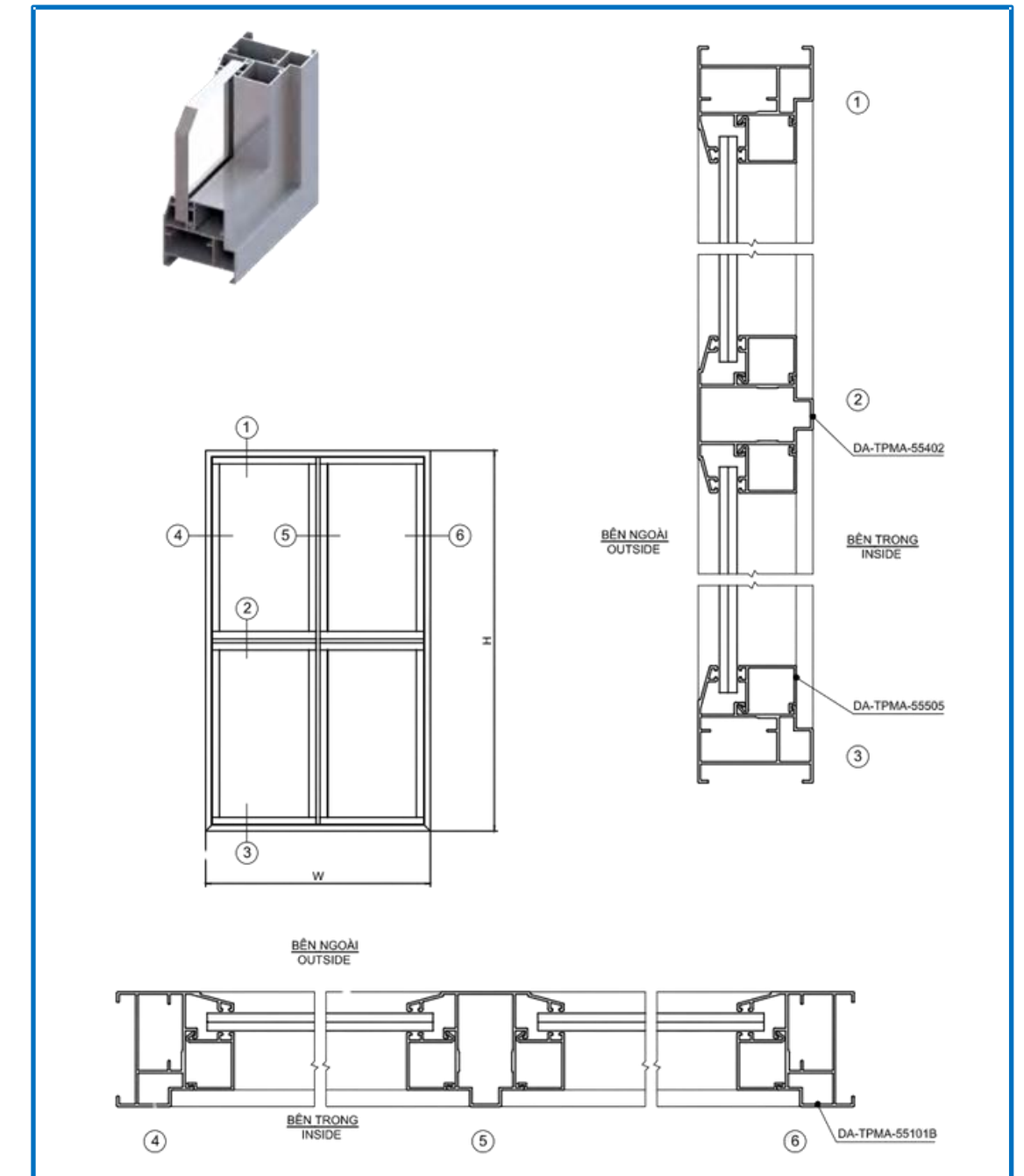
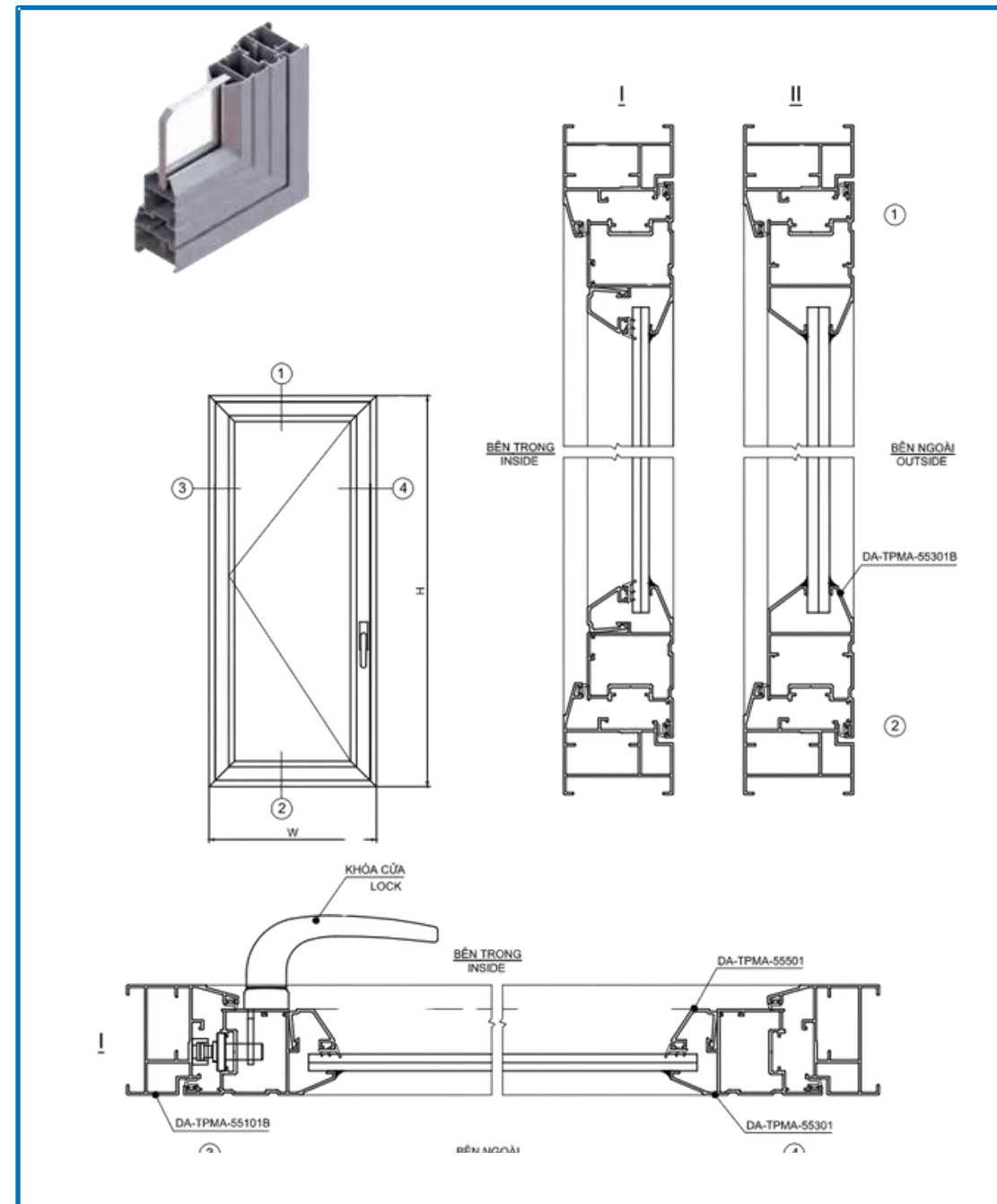
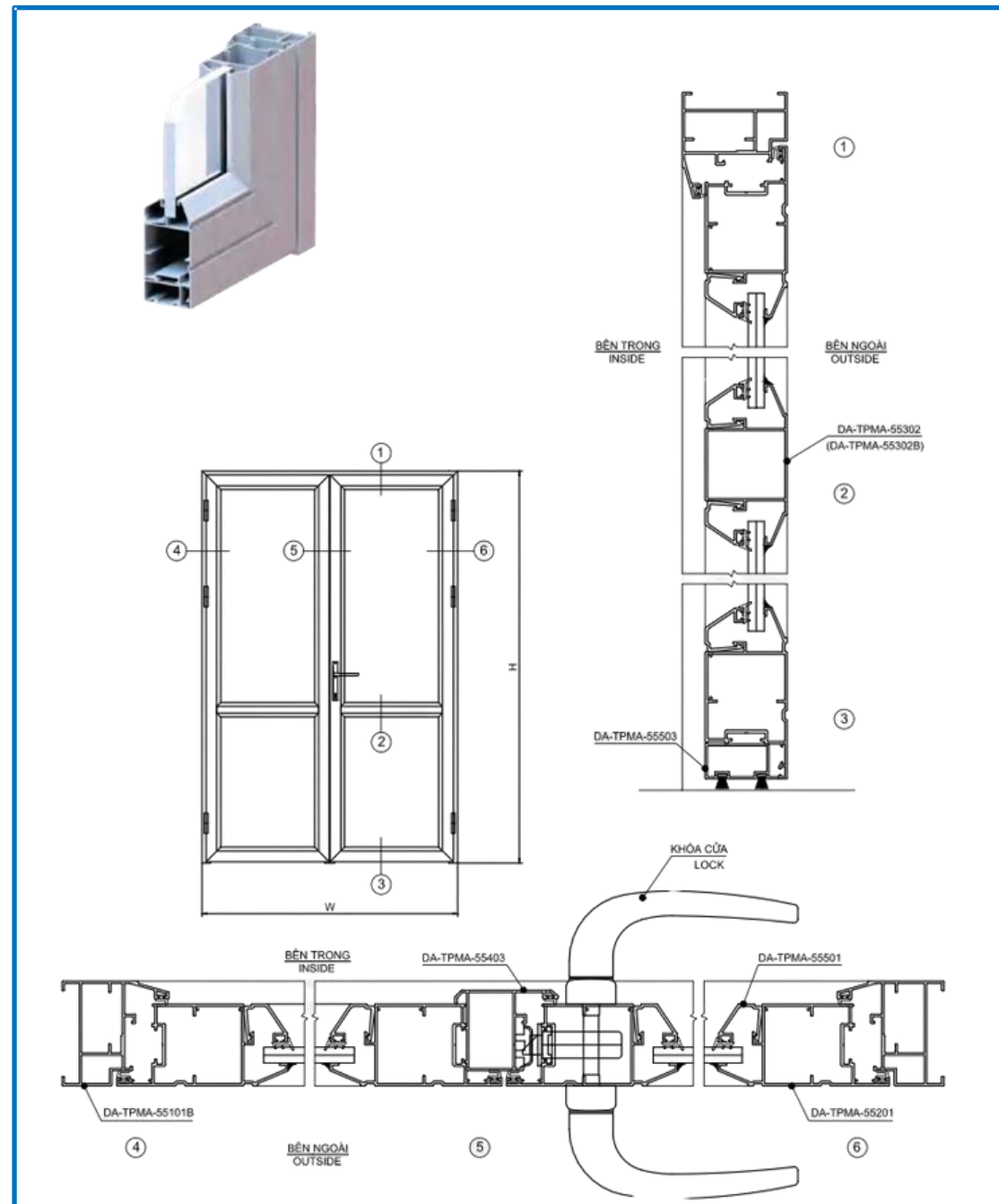
# DA-MA ALUMINIUM SYSTEM



Door structure – DA-MA series

Tilt & turn window structure – DA-MA series

Fixed glass wall structure – DA-MA series

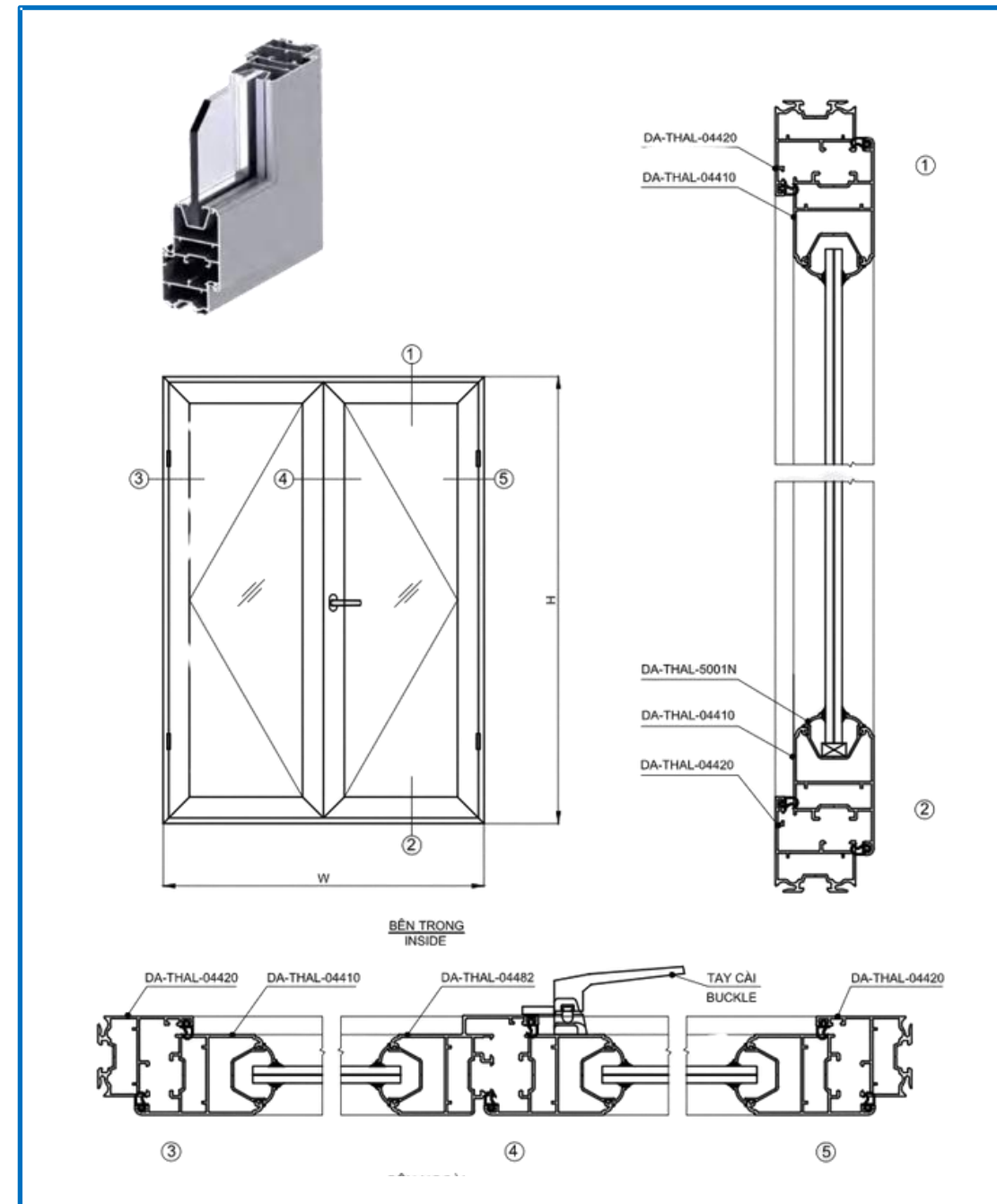
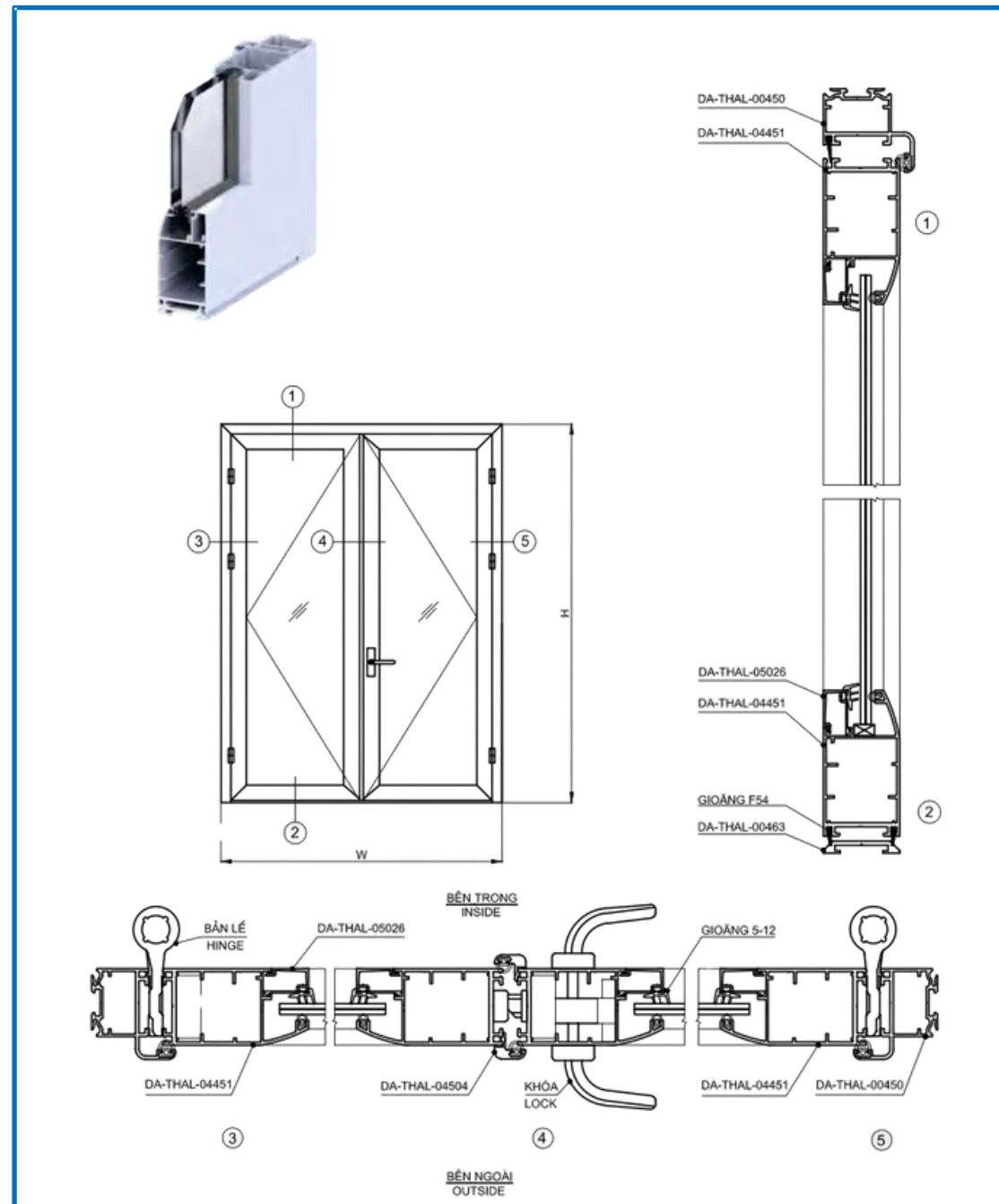


# DA-AL ALUMINIUM SYSTEM



Structure of door system DA-AL450

Structure of window system DA-AL4400



## APPLICATIONS:

- Sliding front doors for villas, townhouses, and high-end apartments
- Sliding doors for balconies, gardens, swimming pools, and patios
- Two-track and three-track sliding windows for bedrooms and living rooms
- Large aluminum-framed glass partitions combined with sliding doors



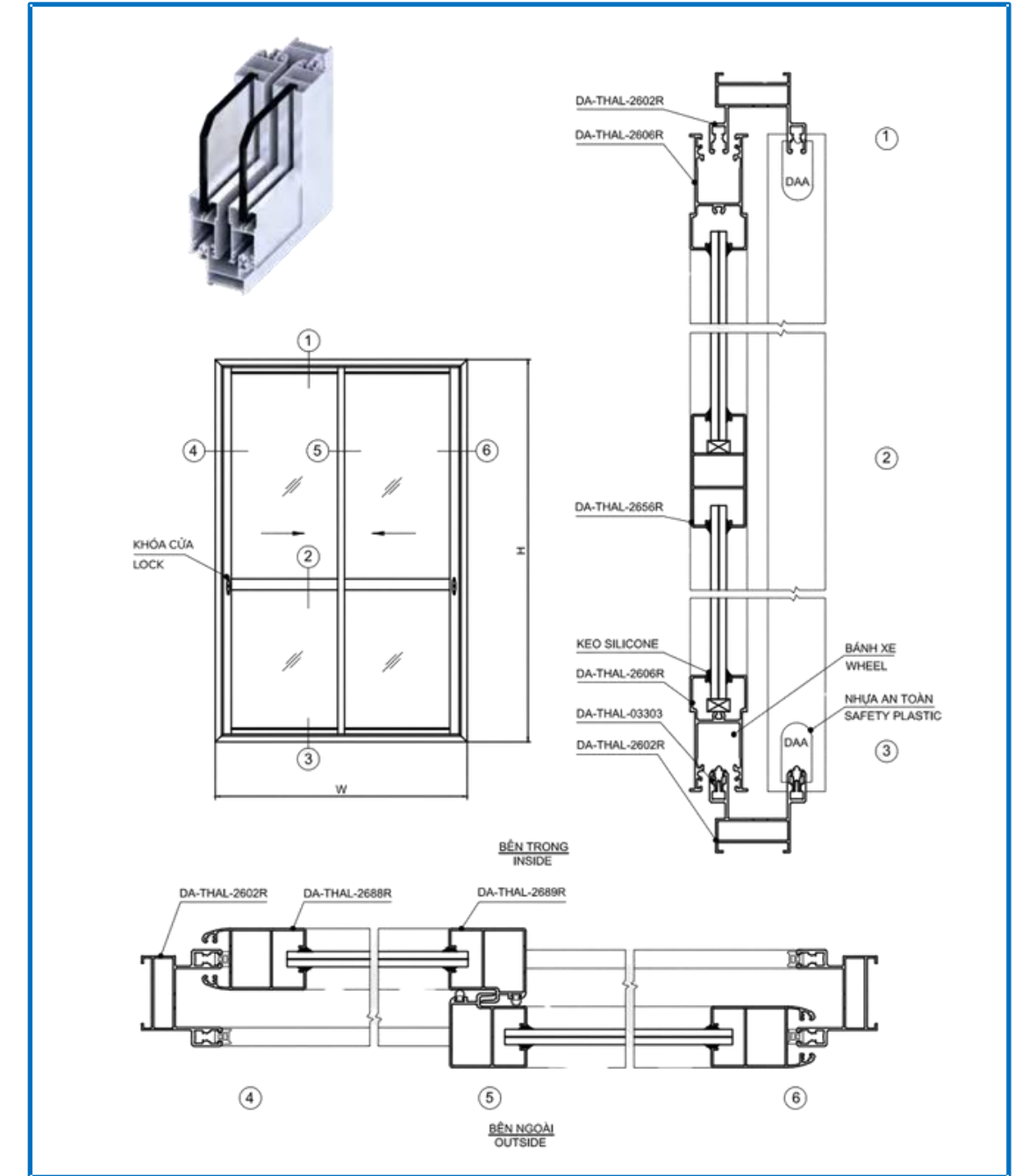
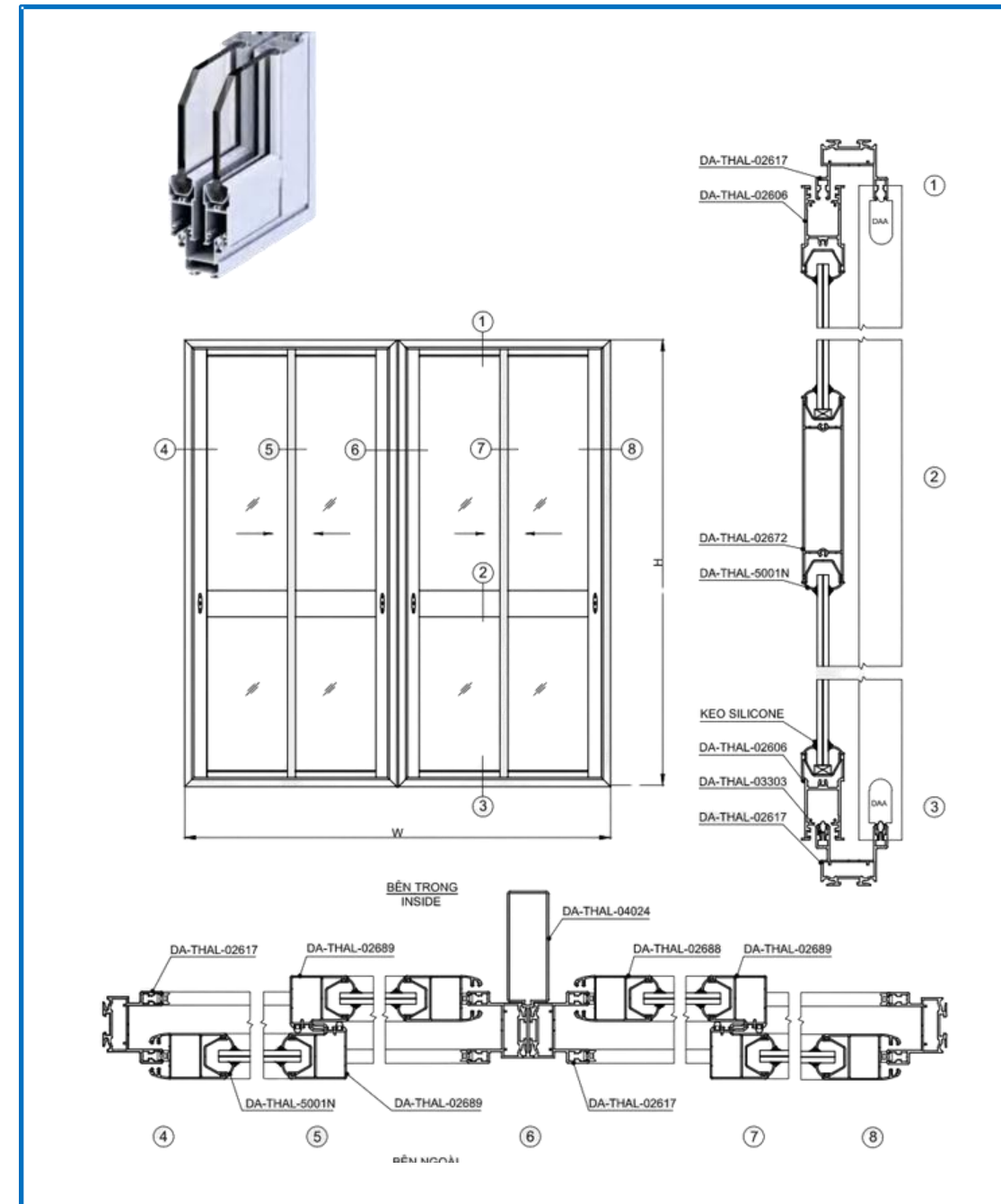
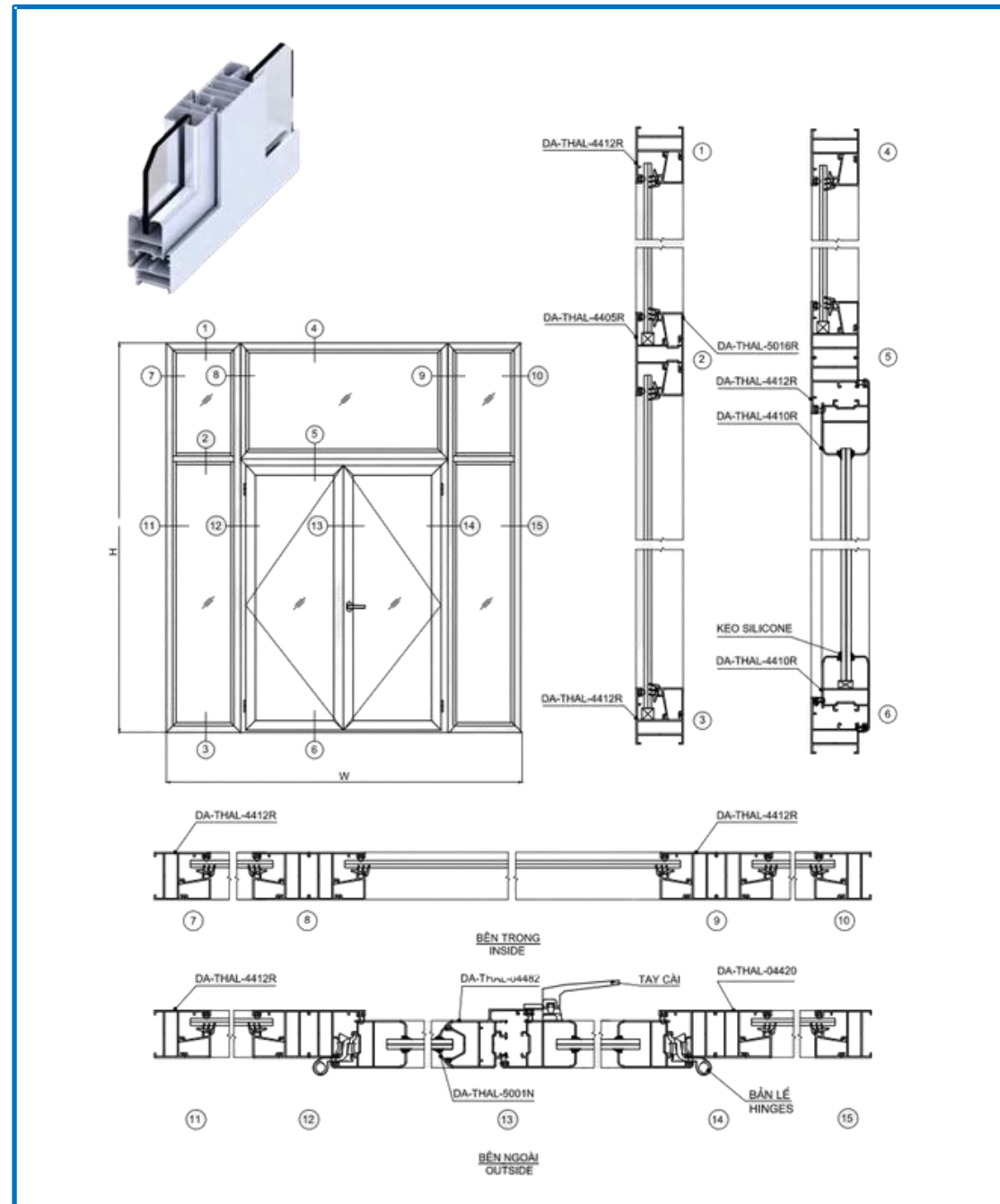
# DA-AL ALUMINIUM SYSTEM



Casement window configuration –  
DA-AL4400 system

Sliding door configuration –  
DA-AL2600 system

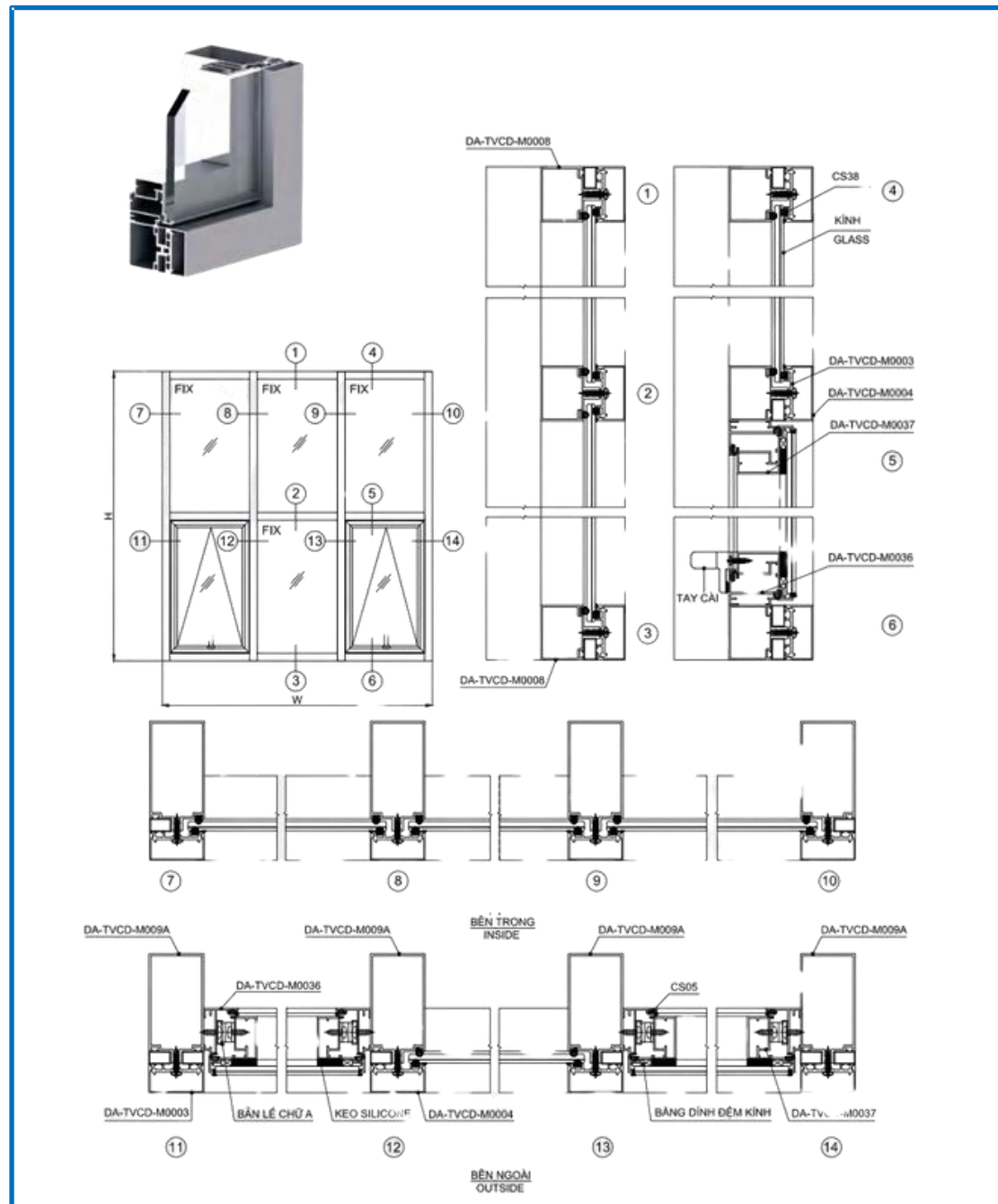
Sliding door configuration –  
DA-AL2600R system



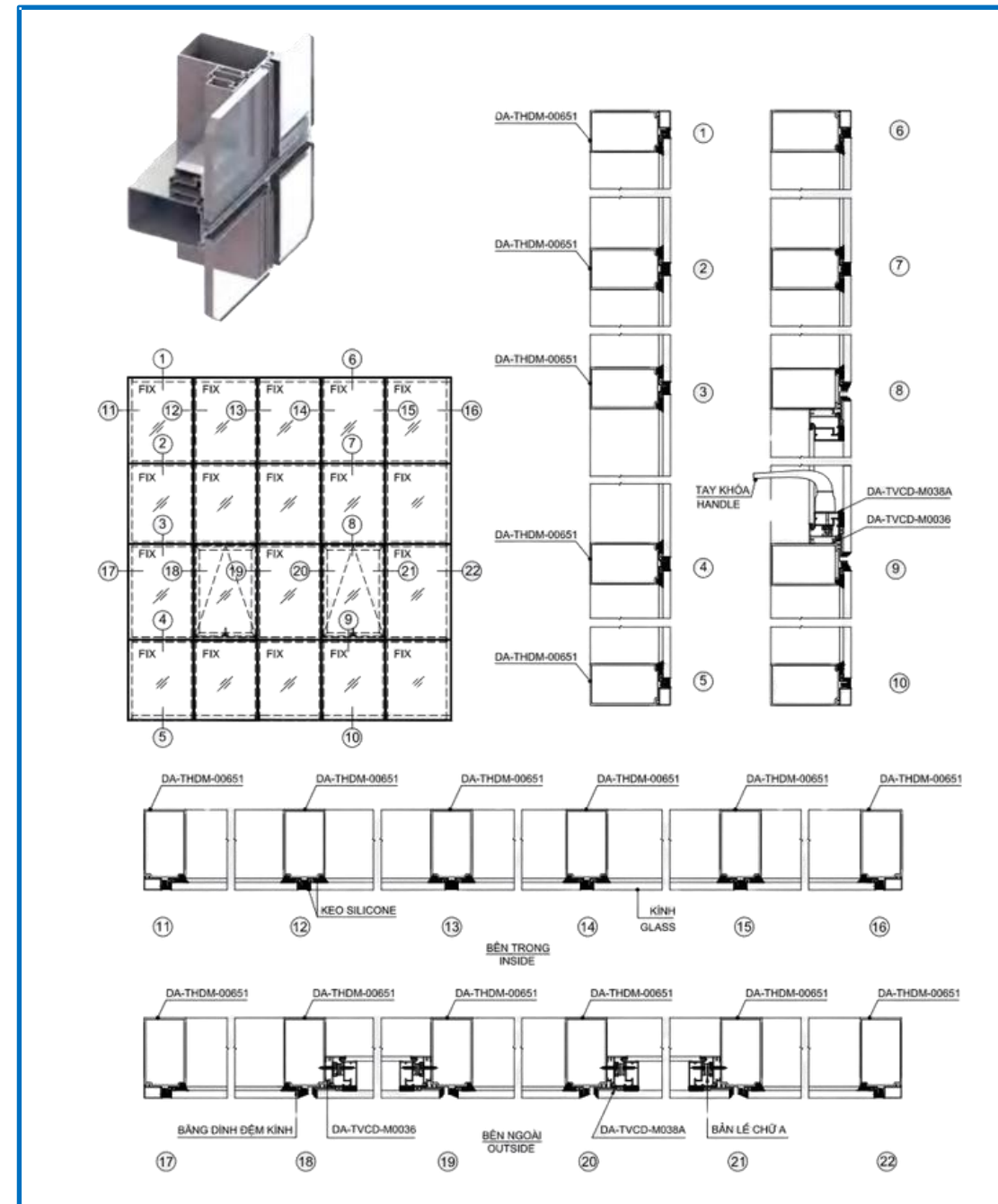
# CURTAIN WALL SYSTEM



## DAM curtain wall system structure



## DA-HDM65 curtain wall system structure



## APPLICATIONS:

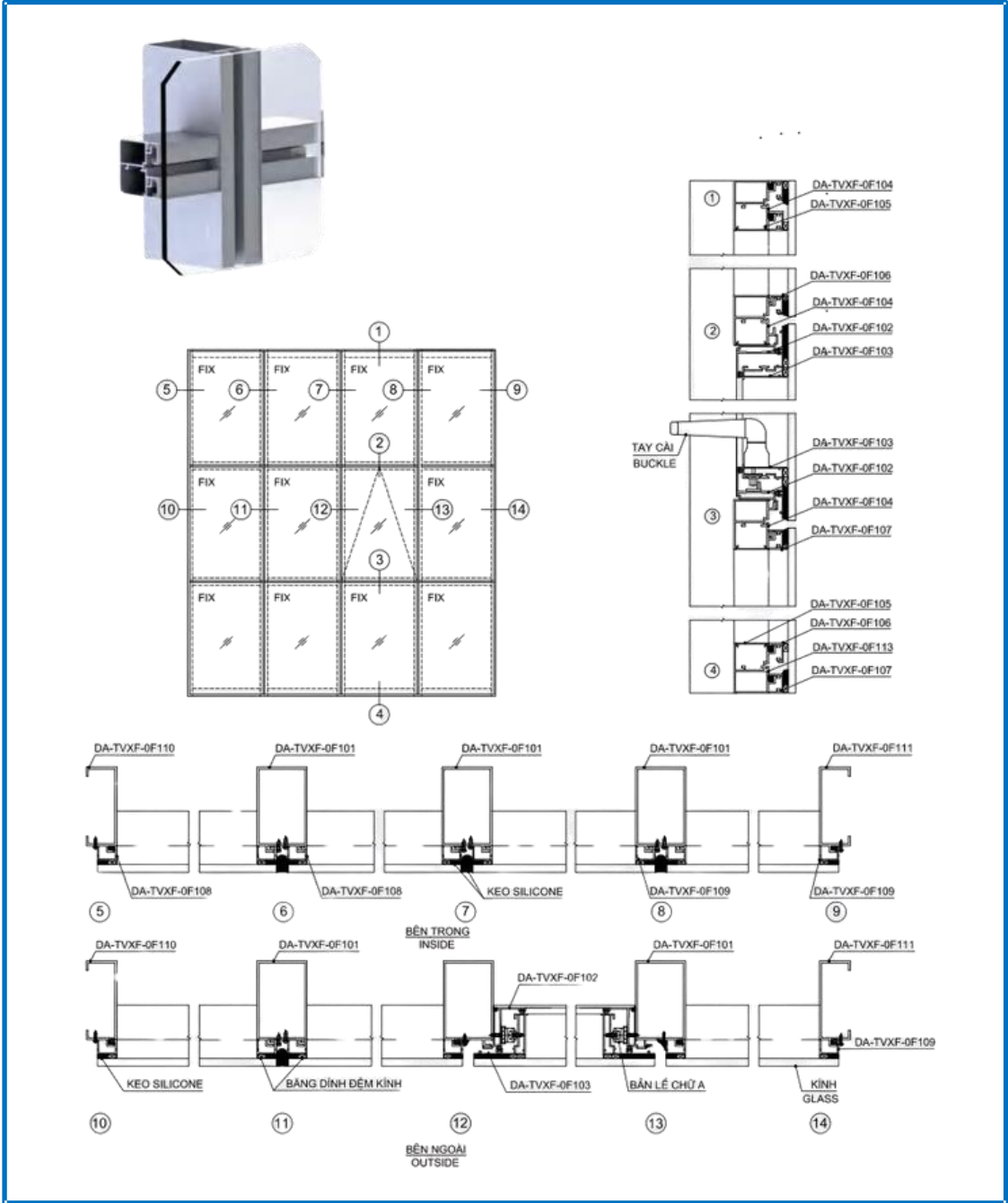
- Office buildings, high-rise towers, shopping centers
- Hotels, showrooms, premium mixed-use complexes
- Large building glass façades or sunshade glass walls



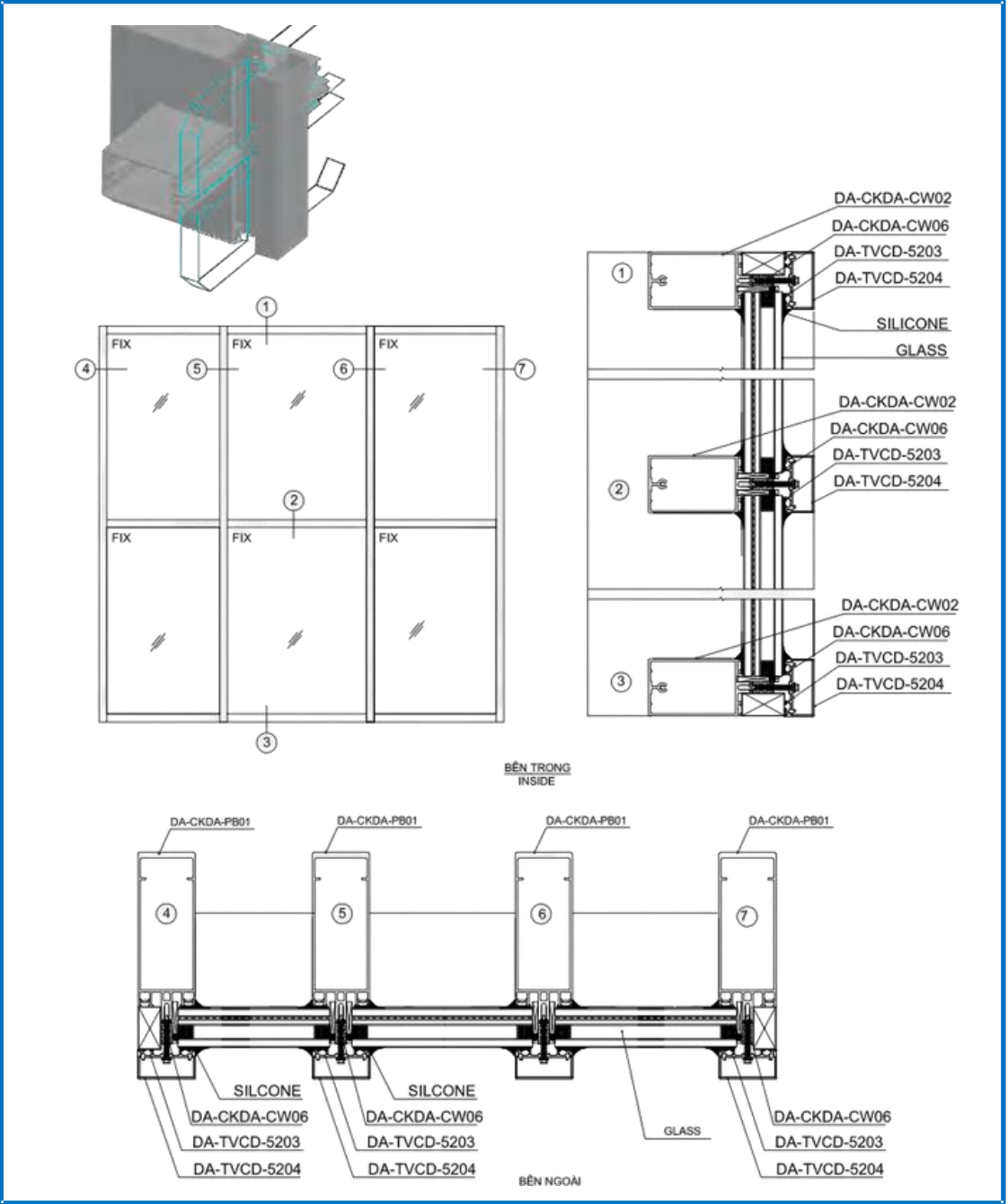
# CURTAIN WALL SYSTEM



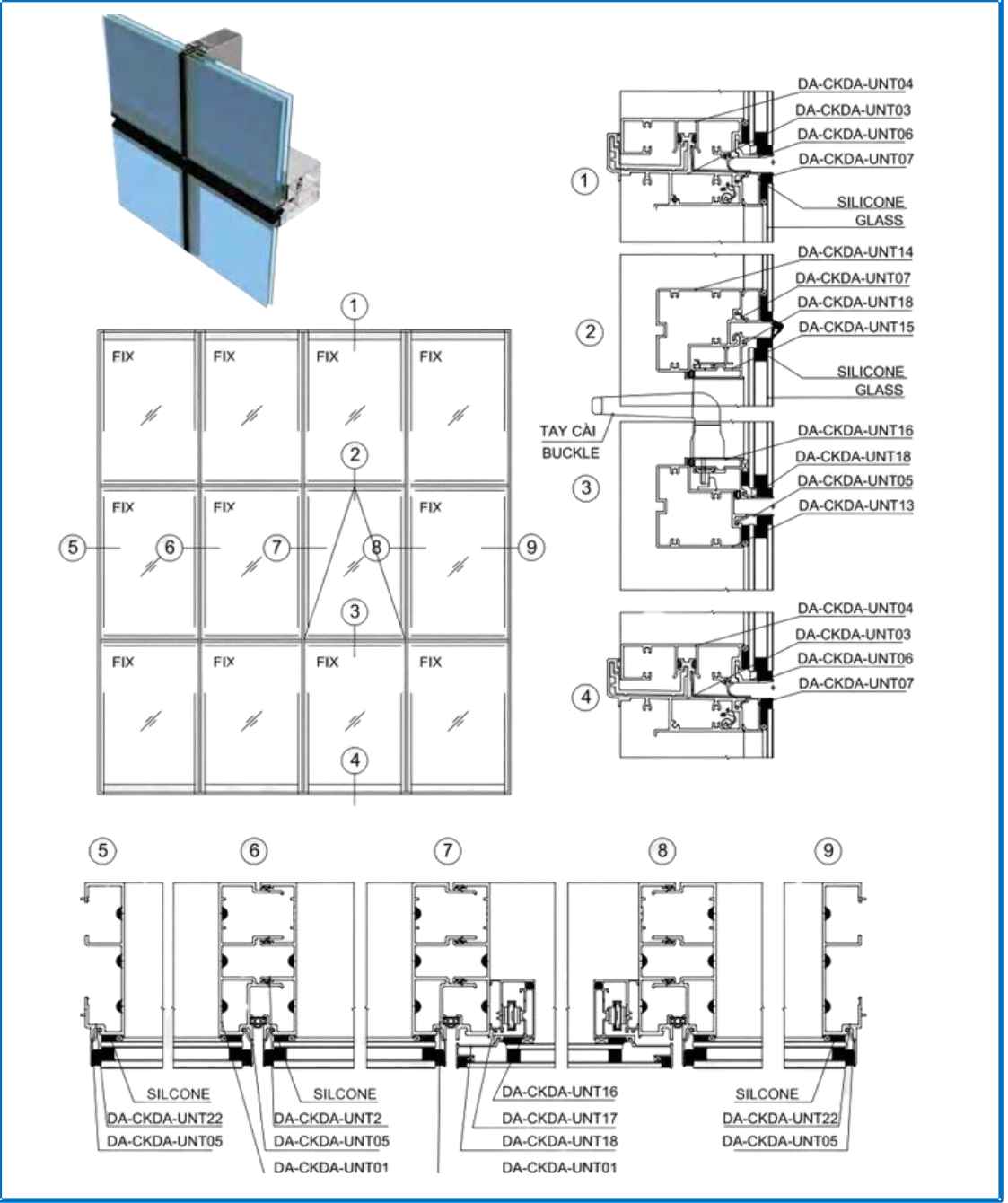
DAF curtain wall system structure



DA-CKDA-CW curtain wall system structure



DA-CKDA-UNT curtain wall system structure



# DIE-CAST ALUMINUM

- Used in automobile and motorcycle manufacturing
- Used in electronic component manufacturing
- Used in other industrial sectors



## Materials

- 6000 series: A6061, 6063, etc.
- Heat treatment: T4, T5, T6



## Surface treatment:

- Anodized to enhance hardness and oxidation resistance
- Optional: powder coating or other surface finishes upon request



## Technical standards

- Compliant with the international standard ISO 6362
- Vietnamese standard TCVN 12513:2018



## Certificates

- ISO 9001: 2015
- ISO 14001
- C-TPAT





# DIE-CAST ALUMINUM



- Used in the production of automobiles and motorcycles



## APPLICATIONS:

- Gearbox housing, engine casing, motorcycle engine cover
- Wheel rims, rear forks, handlebars, brake levers
- Chassis parts, engine covers, power transmission assemblies
- Radiators, electronic device mounts on automobiles

# DIE-CAST ALUMINUM

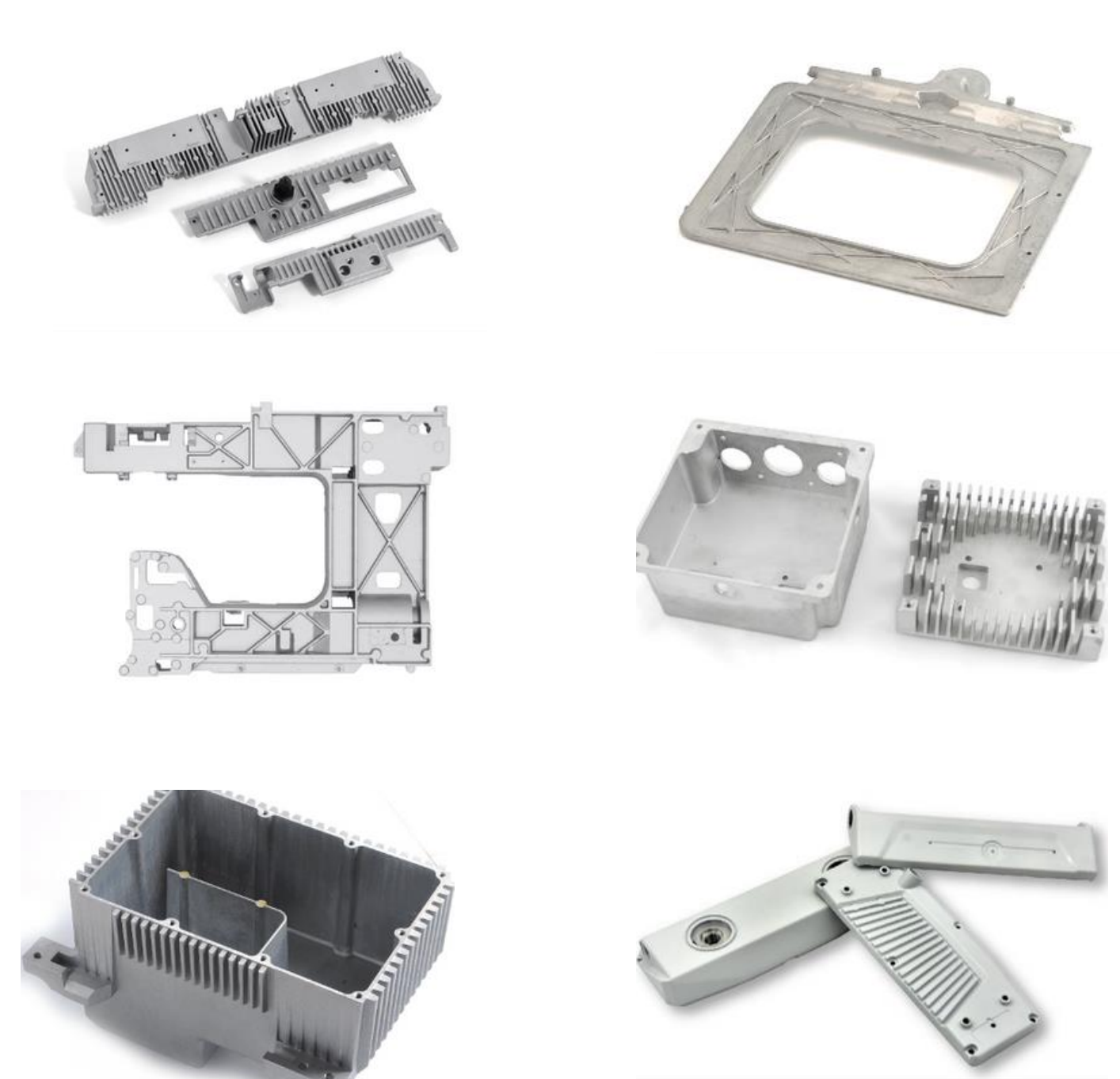


- Manufacturing of electronic and telecommunication components



## APPLICATIONS:

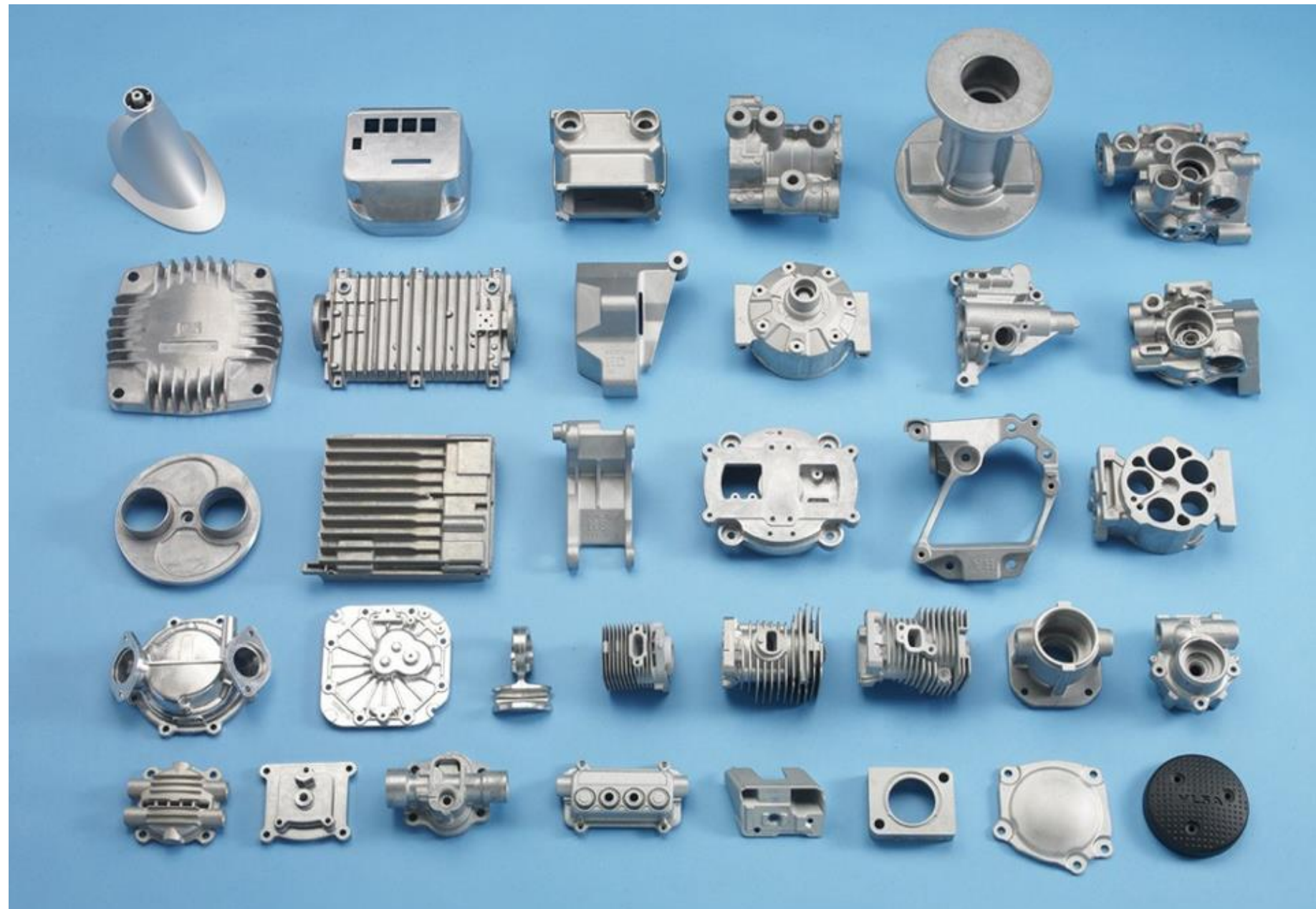
- Enclosures for transmitting devices, amplifiers, and signal boxes
- Heat sinks for chips, circuit boards, and high-power modules
- Protective frames and mounts for internal components in electronic devices
- Network device enclosures: routers, modems, 5G transceivers





# DIE-CAST ALUMINUM

- Applied in various other industries



## APPLICATIONS:

- Engine housings, pulleys, pumps, rotating shafts
- Heat sinks, protective frames, equipment enclosures
- Gearboxes, crank handles, frame components
- Jigs, precision assembly parts
- Casings and lightweight motion mechanisms