

# HYBRID

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WINDOW COLLECTION

SEE THE WORLD DIFFERENTLY  
WITH YOU FOR OVER 60 YEARS

2022 CATALOG /



01

SEE THE WORLD DIFFERENTLY

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## ABOUT US

Established more than 60 years ago, Qualum is the former aluminum window manufacturing division of AlSCO, Alcan and Gentek. Under new ownership in 2020 the company was restructured, and its headquarters relocated from Boucherville to Montreal's bustling design district.

Qualum International continues to specialize in **high quality aluminum windows** and maintain the same reliable product lines as the former Qualum Inc., including the high performing hybrid collection. In addition, through a series of mergers and acquisitions, Qualum International acquired the technology and manufacturing capabilities to launch a new division; Qualum Commercial. We are delighted to announce that we now offer a full range of upscale commercial products to our highly diversified customer base.

We are proud to offer **years of experience, innovative technology,** and **business savvy** to meet the evolving needs of our customers.

## OUR MISSION

At Qualum International our mission is simple; **to provide high quality efficient fenestration solutions.** We strive to manufacture windows that are superior in ***design, energy efficiency & ease of maintenance.***

With industry experience in fenestration and construction we have the competitive advantage to produce exceptional **windows, doors, and commercial goods.** Our vast range of product allows us to work with different sectors and bid on projects of all sizes.



## OUR WINDOW COLLECTIONS

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### ALUMINUM

- Made-to-order aluminum window products that meet your specific needs.
- Custom options include paint colour, mouldings & extensions, glass, and decorative grilles.
- Designed to satisfy the performance requirements of residential, commercial, and institutional sectors.

### HYBRID

Hybrid window systems that combine two of the most high-performance materials in fenestration: **aluminum and PVC**. The benefits of hybrid products merge the aesthetics and strength of aluminum with the **energy efficiency, ease of assembly** and **virtually maintenance-free qualities of PVC**. We are proud to announce that our entire line of hybrid windows is both **NFRC and ENERGY STAR v5 certified**.

### COMMERCIAL

Qualum International has recently acquired the capabilities to manufacture a wider range of commercial products. The commercial line includes a wide range of **high grade, proprietary products including curtain wall, commercial doors, commercial lobby and entrance designs, modern aluminum and glass balustrades, as well as other customizable high grade aluminum materials for building envelope solutions**. Our commercial division is qualified to collaborate directly with architects and/or coordinate with contractors to provide solutions to their complex needs.

# HYBRID 4600 SERIES

## PERFORMANCE & DURABILITY/

The hybrid window system combines the best of both worlds: **the aesthetics and durability** of **aluminum** combined with the recognized **energy efficiency and ease of maintenance** offered by PVC products.

### ADVANTAGES

- The aluminum frame profiles are mechanically fastened with steel screws through integrated grooves for maximum strength.
- The aluminum sash profiles are assembled with adjustable corner keys for a perfect fit and finish.
- Sealed double or triple energy-efficient glass unit for greater comfort
- Different combinations and configurations available
- The vinyl profile window thermal insulation system is fusion welded, contributing to maximum protection against air and water infiltration.
- Wide choice of options for finishes
- Aesthetics, comfort and security

### TYPES OF HYBRID MODELS

#### H4600

#### ALUMINUM\* 1 SIDE

ALUMINUM\* EXTERIOR AND PVC INTERIOR



#### A4600

#### ALUMINUM\* 2 SIDES

ALUMINUM\* EXTERIOR AND INTERIOR



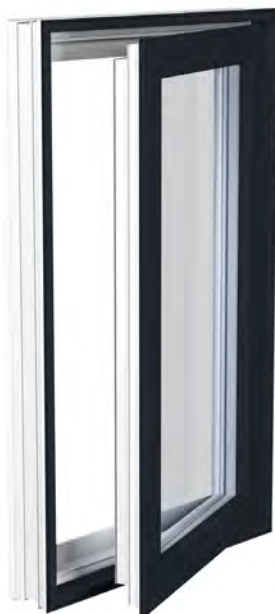
\*Aluminum-clad vinyl/PVC



### FIXED WINDOW

#### OPTIMAL SEALING

- High air tightness and water resistance
- No hardware
- Low cost
- Excellent visibility



### CASEMENT WINDOW

#### AESTHETICS, COMFORT AND SECURITY

- High air tightness and water resistance
- Relatively efficient use of space



### AWNING WINDOW

#### SPECIALLY DESIGNED TO MEET MARKET TRENDS, USER NEEDS

- Excellent ventilation
- High air tightness
- Large opening area possible
- Cleaning effected from interior



# H4600

HYBRID SERIES/

## H4600

ALUMINUM\* 1 SIDE

ALUMINUM\* EXTERIOR AND PVC INTERIOR

\*Aluminum-clad vinyl/PVC



## MODELS

### FIXED

Panoramic  
Slim Frame

### CASEMENT

Outward opening  
Slim Frame

### AWNING

Slim Frame

### FIXED

Bold Frame

### CASEMENT

Outward opening  
Bold Frame

### AWNING

Bold Frame

## FRAME DEPTHS

5  $\frac{3}{4}$

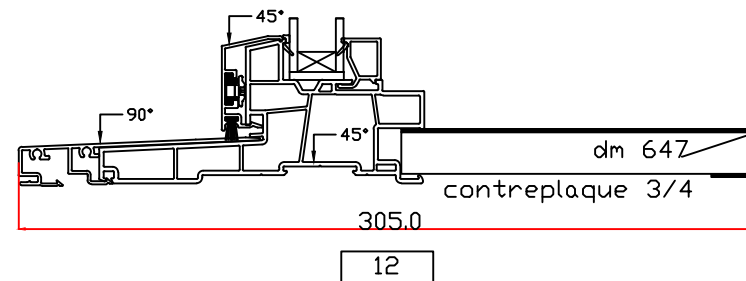
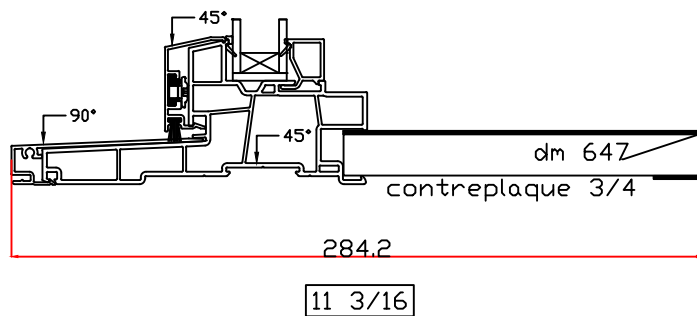
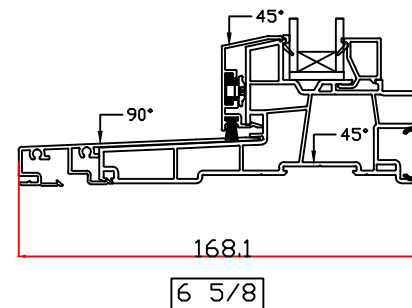
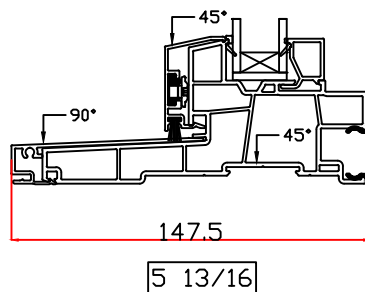
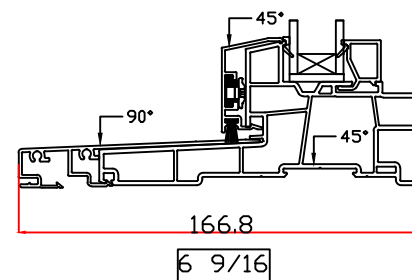
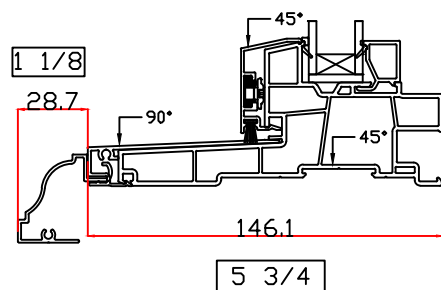
5  $\frac{13}{16}$

6  $\frac{9}{16}$

6  $\frac{5}{8}$

JAMB EXTENSION H4600 (MAX 12")





# A4600

HYBRID SERIES/

## A 4600

ALUMINUM\* 2 SIDES  
ALUMINUM\* EXTERIOR AND INTERIOR

\*Aluminum-clad vinyl/PVC



## FRAME DEPTHS

5 13/16	7 1/4
5 7/8	7 9/16
6 1/2	7 5/8
6 5/8	7 7/8
6 11/16	8 1/2
6 3/4	8 3/4

JAMB EXTENSION A4600 (MAX 12")

## MODELS

**FIXED**  
Panoramic  
Slim Frame

**FIXED**  
Bold Frame

**CASEMENT**  
Outward opening  
Slim Frame

**CASEMENT**  
Outward opening  
Bold Frame

**CASEMENT**  
Inward opening

**CASEMENT**  
Window-Door

**AWNING**  
Slim Frame

**AWNING**  
Bold Frame

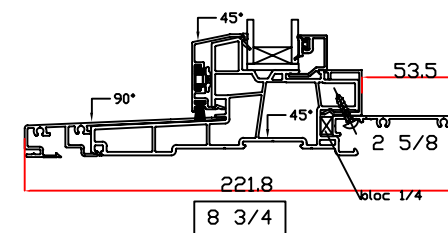
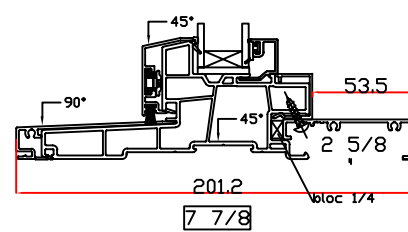
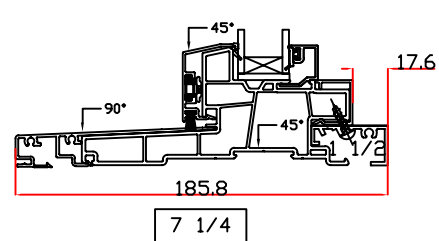
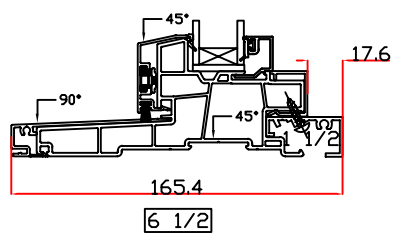
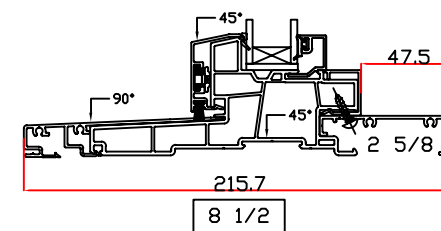
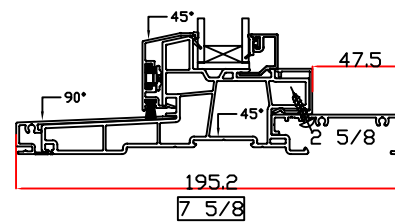
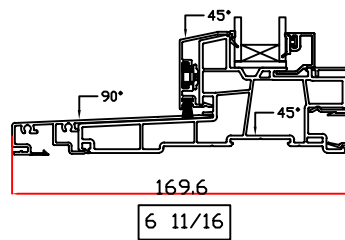
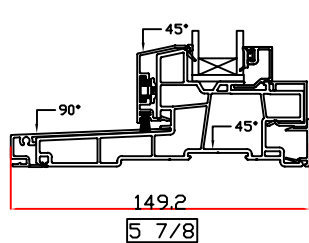
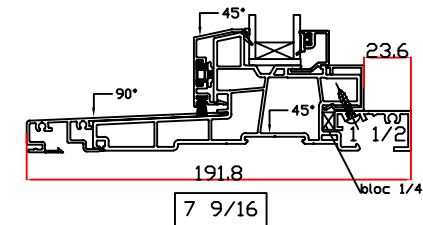
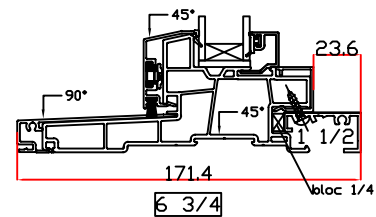
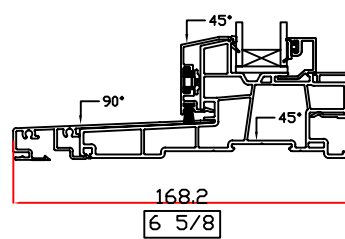
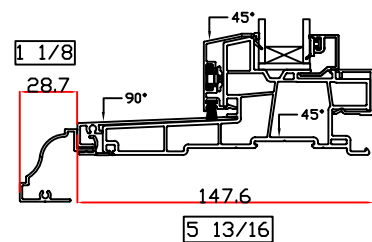
**HOPPER**





# TECHNICAL FRAME DRAWINGS

A4600/





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