

FENÊTRE SÉRIE 68STH

La gamme de profilés d'aluminium de la Série 68 STH permet la production de différents cadres de volets fixes ou intégrant des ouvrants vers l'intérieur et vers l'extérieur (battant, trémie, auvent, oscillo-battant et porte terrasse). Le système de fenêtres Série 68 STH, fabriqué par Alumico Architectural inc., est en conformité avec les caractéristiques suivantes:

La fabrication du système de fenêtres est faite selon le principe de l'écran pluvial. Les profilés d'aluminium extérieurs et intérieurs du cadre et du volet sont reliés par le système SUPERTHERMIK 68™ composé de deux barrettes de polyamide de nylon 6/6 renforcé de fibre de verre, extrudées mécaniquement, munies sur toute leur longueur de deux cordons de colle et assemblées par moletage et sertissage de façon à obtenir un ensemble solidaire résistant à une pression minimale en cisaillement de 400 Kg sur une longueur de 100mm. Le moletage et sertissage des profilés est réalisé en continu assurant la solidarité et l'étanchéité entre les profilés. Les coins des volets sont coupés à onglets, réunis et renforcés par des équerres d'assemblage pressées mécaniquement pour obtenir des joints robustes. L'assemblage hors tout du cadre a une **profondeur de 60mm (2 3/8"), 68mm (2 11/16"), 114mm (4 1/2") ou de 152mm (6")**. Les volets réguliers, robustes, classiques et dissimulés ont une **profondeur de 68mm (2 11/16")**. L'étanchéité au périmètre de l'unité scellée est assurée par le système EUROLOK™ ou EUROLOK PLUS™ composé d'une parclose auto-scillante carrée ou ronde et de garnitures de vitrage flexibles en continu et soudées en un seul point dans la partie supérieure centrale du vitrage. Le système est compatible avec le triple coupe froid V83 lorsque combiné avec un ouvrant. Les joints sont assemblés avec précision. Les coupes sont droites et exemptes de bavures.

Toutes les composantes d'aluminium sont faites de l'alliage 6063 de la trempe T5.

Finis

Toutes les surfaces exposées seront traitées selon les options suivantes:

a) Traitement anodique:

- Naturel n°100: conforme à AA-M12C22A31 (classe 2)/41 (classe 1)
- Champagne n°101: conforme à AA-M12C22A44
- Bronze pâle n°103: conforme à AA-M12C22A44
- Bronze arch. n°106: conforme à AAM12C22A44
- Noir n°109: conforme à AAM12C22A44

b) Peinture:

L'aluminium subira un prétraitement et sera recouvert d'un fini à la poudre, rencontrant les normes suivantes:

- AAMA 2603
- AAMA 2604
- AAMA 2605

Installation

Tous les systèmes de fenêtres SÉRIE 68 STH doivent être installés par des techniciens qualifiés. Ceux-ci doivent d'abord s'assurer que les ouvertures ont été préparées convenablement d'aplomb, d'équerre et de niveau. Tout le travail doit être exécuté en harmonie avec les travaux adjacents.

68STH WINDOW SERIES

The complete range of 68 STH Series aluminum profiles enables the production of various types of fixed frames or the integration of sash (casement, hopper, awning, tilt-and-turn, and terrace doors). The 68 STH Series window systems, manufactured by Alumico Architectural inc., complies with the following specifications:

Manufacturing of the window system follows the rainscreen principle. External and internal aluminum frame and sash extrusions are connected using the SUPERTHERMIK 68™ system, which consists of two mechanically extruded glass-reinforced polyamide nylon 6/6 struts, each equipped along its entire length with two adhesive strips, knurled and crimped to achieve a solid assembly resistant to a minimum shearing pressure of 400 kg over a length of 100 mm. The knurling and crimping of the profiles are continuous, ensuring the integrity and seal between them. The corners of the sash are miter-cut, joined, and reinforced by mechanically pressed assembly brackets to create robust joints. The frame assembly can accommodate **depths of 60 mm (2 3/8"), 68 mm (2 11/16"), 114 mm (4 1/2"), and 152 mm (6")**. Regular, Heavy-Duty, Classic, and Concealed sashes have a **depth of 68 mm (2 11/16")**. The insulated glazing units will be sealed by the EUROLOK™ or EUROLOK PLUS™ system, consisting of self-sealing square or rounded glass stops with a continuous flexible glazing gasket, welded and sealed at the top. The system will be compatible with V83 triple weatherstripping when combined with a sash. Joints will be assembled precisely, with cuts true, free of burrs and rough edges.

All aluminum components are made from 6063 alloy with T5 temper.

Finishes

All exposed surfaces will be coated with one of the following options:

a) Anodizing:

- Clear #100: as per AA-M12C22A31 (class 2) / 41 (class 1)
- Champagne # 101: as per AA-M12C22A44
- Light bronze # 103: as per AA-M12C22A44
- Arch. bronze # 106: as per AA-M12C22A44
- Black # 109: as per AA-M12C22A44

b) Paint:

Aluminum will undergo a pretreatment and be covered with a powder finish, and will meet the following specifications:

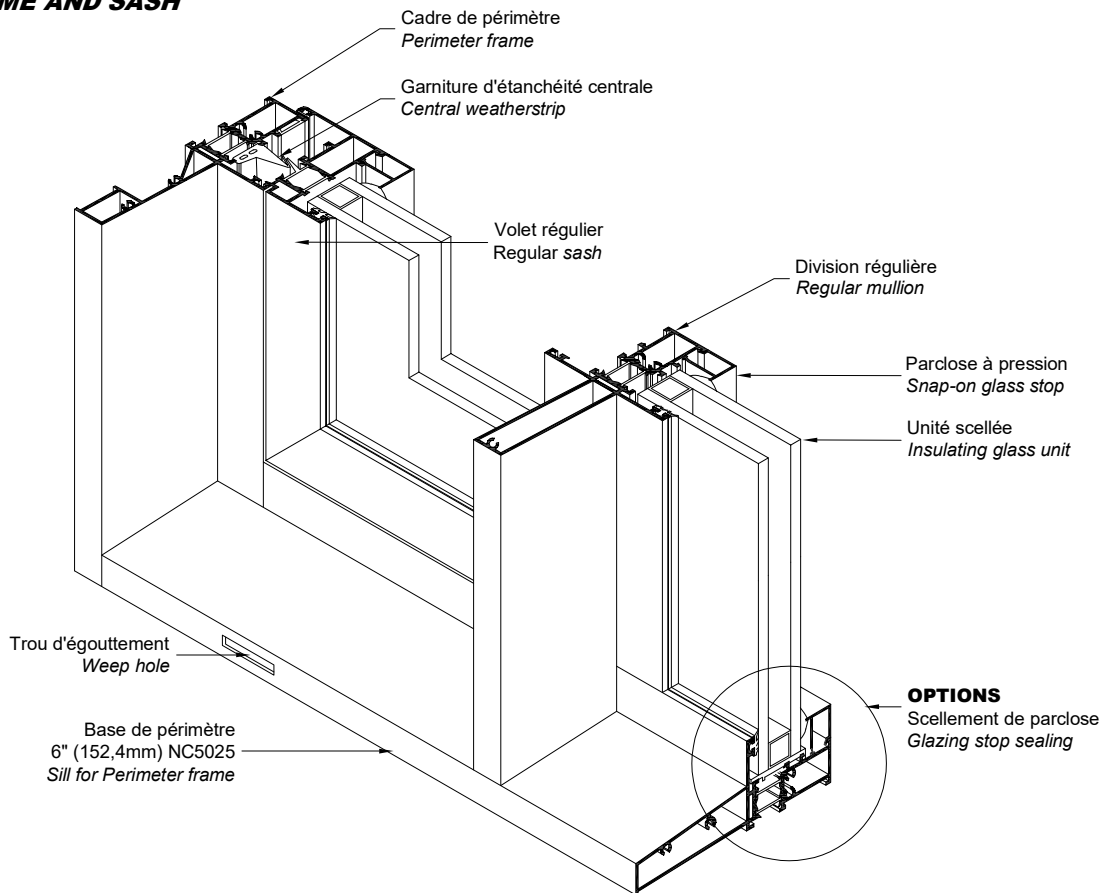
- AAMA2603
- AAMA2604
- AAMA2605

Installation

All 68 STH SERIES systems shall be installed by experienced technicians in properly prepared openings. They shall be set plumb, square and level. All the work must be carried out in harmony with the adjacent work.

PÉRIMÈTRE ET VOLET STANDARD

STANDARD FRAME AND SASH



SCELLEMENT DE PARCLOSE

STANDARD

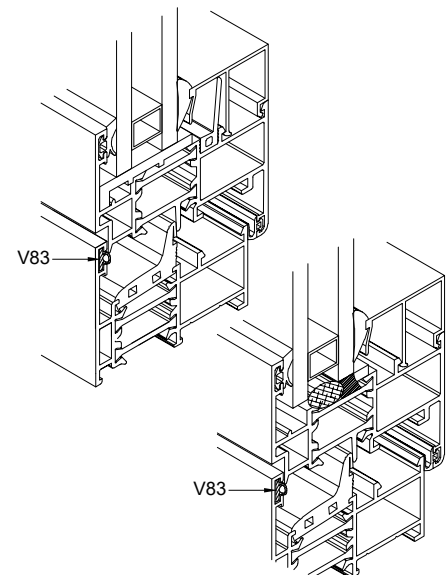
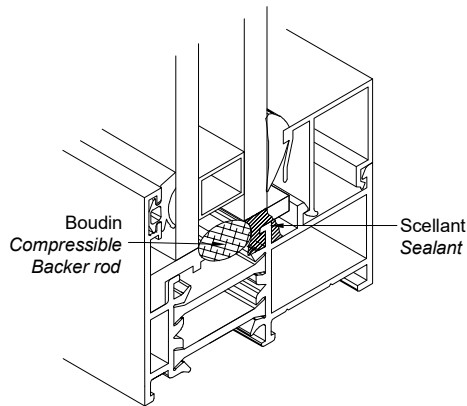
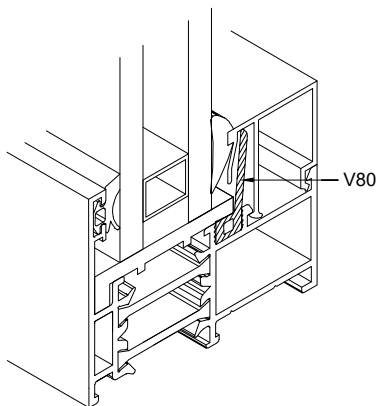
GLASS STOP SEALING

OPTIONS:
Scellement de parclose / Glazing stop sealing

EUROLOK PLUS

EUROLOK

TRIPLE COUPE FROID
 TRIPLE WEATHERSTRIPPING



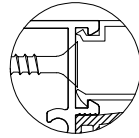
Installation

Positionner le cadre de fenêtre le plus près possible du fini intérieur pour permettre un chauffage adéquat dans le but d'éviter la condensation superficielle et de minimiser les déperditions thermiques à travers la liaison "fenêtre-mur de fond".
Install the window frame as close as possible to the interior finish so that the interior surface remains at an optimal temperature thereby to prevent superficial condensation and minimizing thermal loss through the "window-back wall" junction.

Position au mur / Wall position

À ÉVITER TO AVOID	
MINIMUM	
PRÉFÉRABLE PREFERABLE	

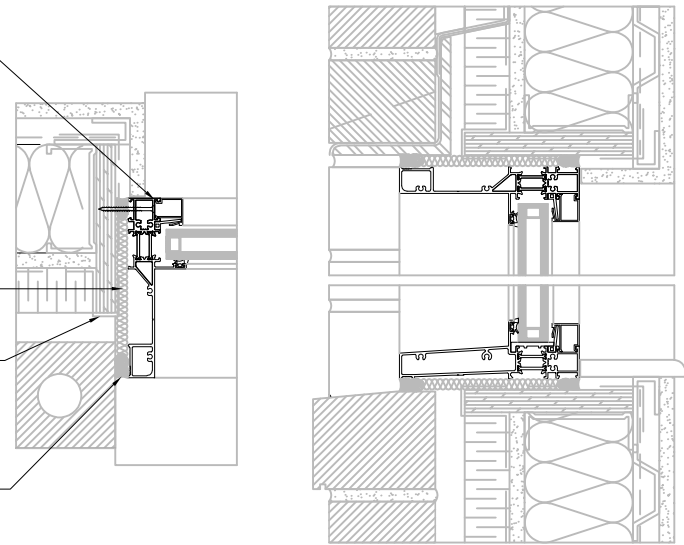
Vis en acier inoxydable
Stainless steel screw



Laine minérale ou
mousse d'uréthane giclée
Insulating wool or
urethane sprayfoam

Membrane d'étanchéité
par-air
Air barrier

Scellant avec
boudin compressible
Sealant with backer rod

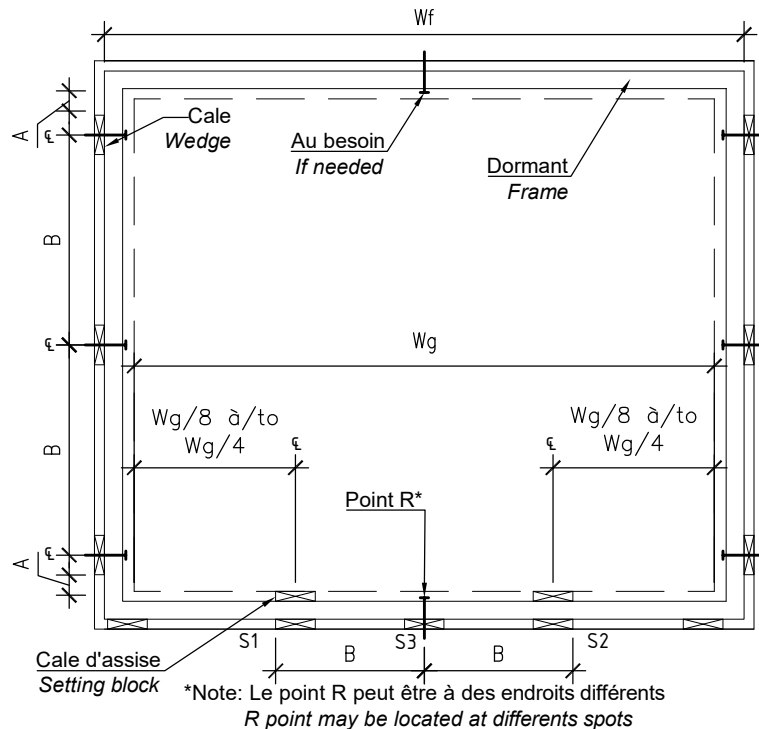


Matériaux: Isoler l'interface entre le dormant de fenêtre et le mur de fond avec de la laine minérale non compactée ou à l'aide de mousse d'uréthane à faible expansion, appliquer en plusieurs cordons.

Materials: Insulate the interface between the window frame and the back wall with uncompressed mineral wool or low-expansion urethane spray foam, applied in multiple layers.

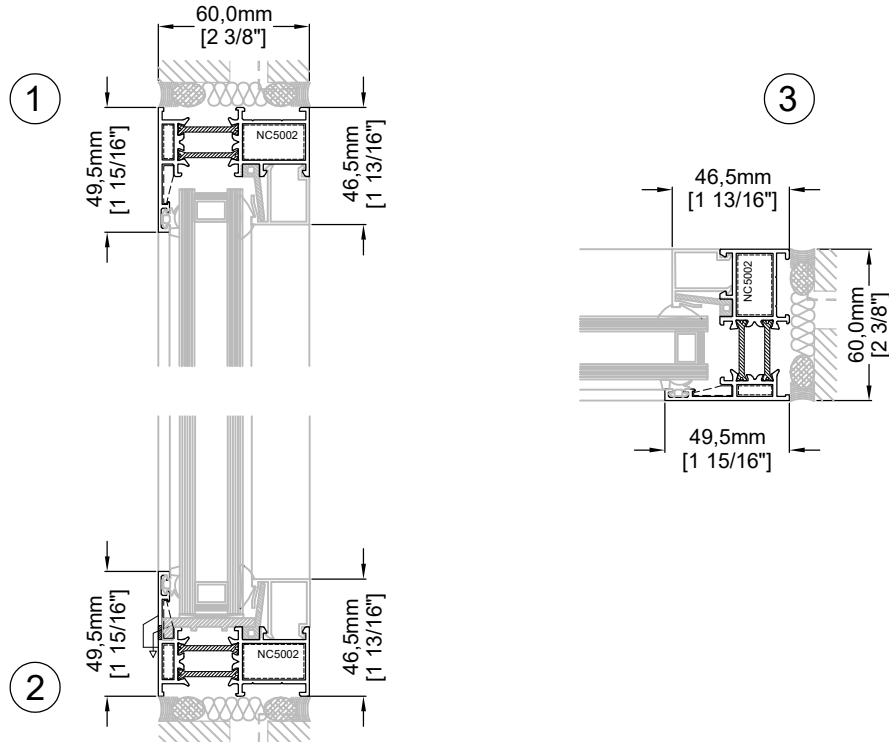
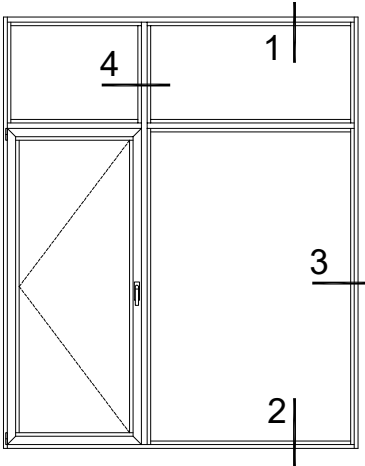
Position des cales - Wedges position

Installation des cales pour cadre d'aluminium Wedge installation in aluminium frame	Jambage / Jamb	Min. A.	150mm 6"
		Min. B.	800mm 30"
	Support Ancre / Anchor	Max. Wf pour 2 cales, (S1, S2) Wf. Max. for 2 wedges, (S1, S2)	1800mm 72"
		Max. Wf pour 3 cales, (S1, S2, S3) Max. Wf for 3 wedges, (S1, S2, S3)	3000mm 120"
	Cales / Wedges	Max. Wf, sans ancre Max Wf, without anchor	1800mm 72"
		Max. Wf, pour un ancre, (point R*) Max. Wf, for anchor, (R point*)	3000mm 120"



Cadre Régulier 60mm - 2 3/8" Regular Frame

ÉLÉVATION ET DÉTAILS STANDARDS STANDARD ELEVATION AND DETAILS



Ouvrants compatibles Compatible openings

Intérieur / Inswing

Trémie / Hopper
Battant / Casement
Oscillo-battant / Tilt and turn
Dissimulé / Concealed
Amovible / Removable

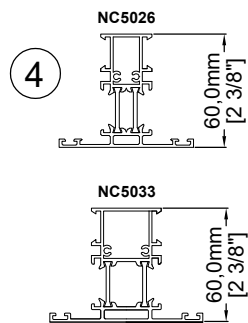
Extérieur / Outswing

Battant / Casement
Auvent / Awning
Sécurité / Security

Porte / Door

Porte fenêtre ouvrant int. et ext.
Inswing & Outswing French door
Porte terrasse ouvrant int. et ext.
Inswing & Outswing Terrace door

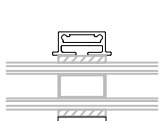
DIVISIONS



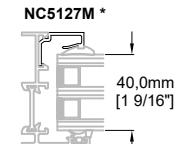
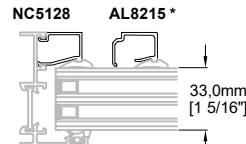
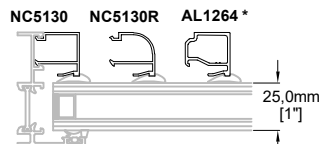
Détails techniques disponibles
www.alumico.com.
Technical details available

Barrotins

AL8651



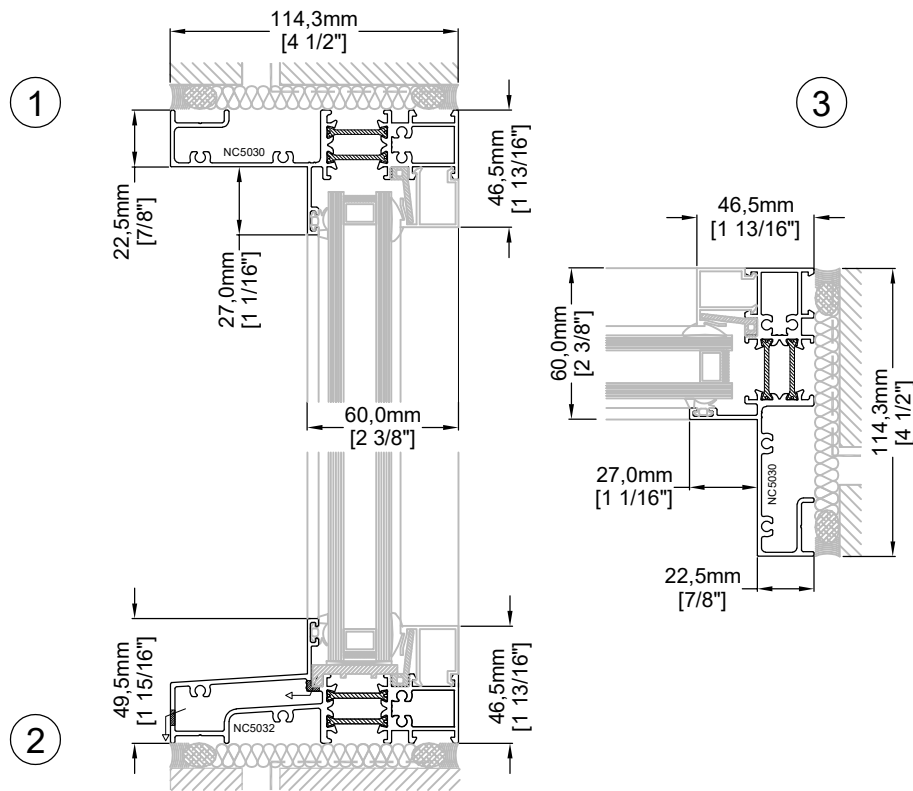
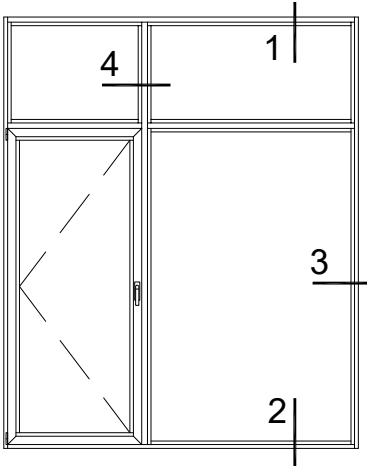
Parcloles et épaisseurs de vitrage / Glass stops and glazing thicknesses



* Parcloles / Glass stop performance: AW

Cadre Régulier 114mm - 4 1/2" Regular Frame

ÉLÉVATION ET DÉTAILS STANDARDS STANDARD ELEVATION AND DETAILS



Ouvrants compatibles Compatible openings

Intérieur / Inswing

Trémie / Hopper
Battant / Casement
Oscillo-battant / Tilt and turn
Dissimulé / Concealed
Amovible / Removable

Extérieur / Outswing

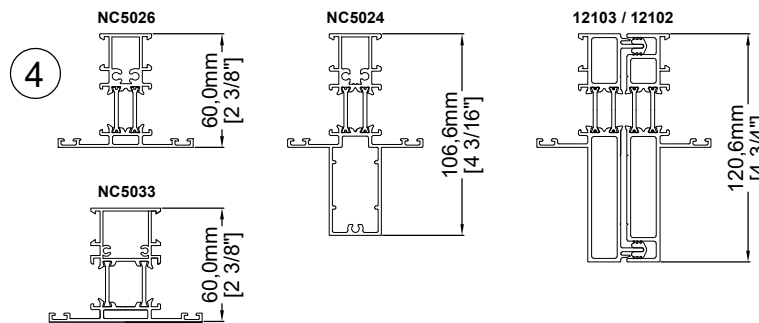
Battant / Casement
Auvent / Awning
Sécurité / Security

Porte / Door

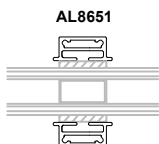
Porte fenêtre ouvrant int. et ext.
Inswing & Outswing French door
Porte terrasse ouvrant int. et ext.
Inswing & Outswing Terrace door

Détails techniques disponibles
www.alumico.com.
Technical details available

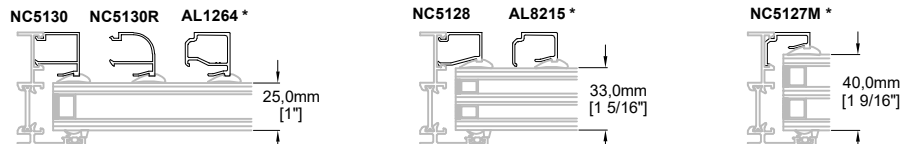
DIVISIONS



Barrotins



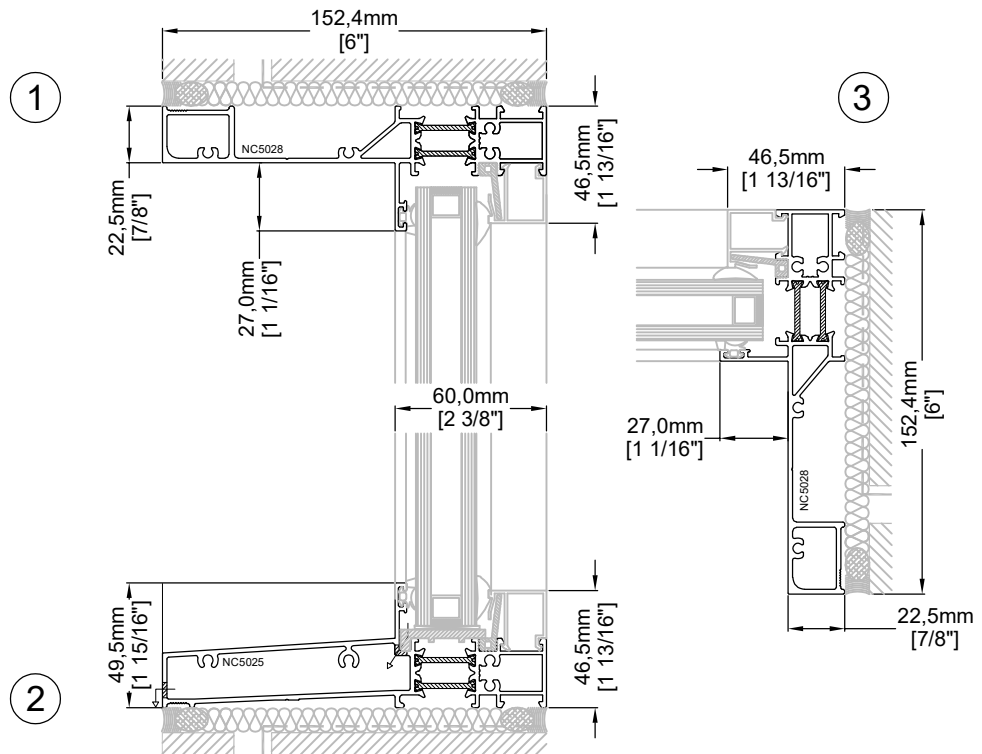
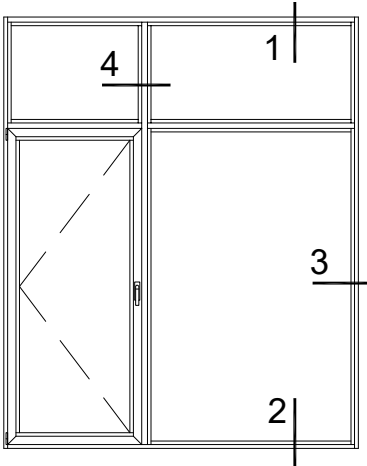
Parcloles et épaisseurs de vitrage / Glass stops and glazing thicknesses



* Parcloles / Glass stop performance: AW

Cadre Régulier 152mm - 6" Regular Frame

ÉLÉVATION ET DÉTAILS STANDARDS STANDARD ELEVATION AND DETAILS



Ouvrants compatibles Compatible openings

Intérieur / Inswing

Trémie / Hopper
Battant / Casement
Oscillo-battant / Tilt and turn
Dissimulé / Concealed
Amovible / Removable

Extérieur / Outswing

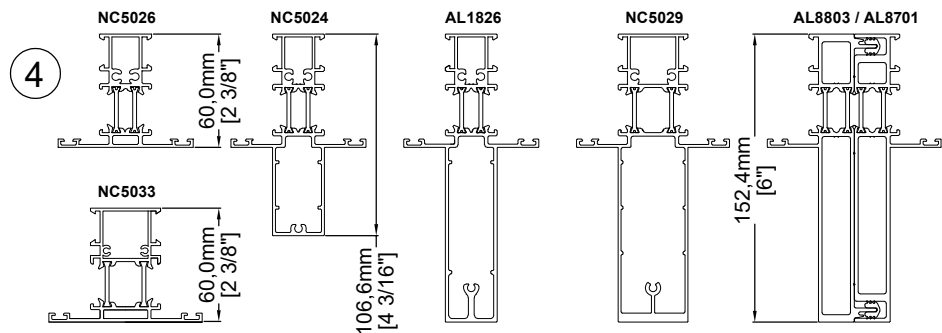
Battant / Casement
Auvent / Awning
Sécurité / Security

Porte / Door

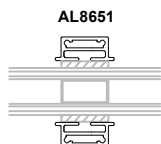
Porte fenêtre ouvrant int. et ext.
Inswing & Outswing French door
Porte terrasse ouvrant int. et ext.
Inswing & Outswing Terrace door

Détails techniques disponibles
www.alumico.com
Technical details available

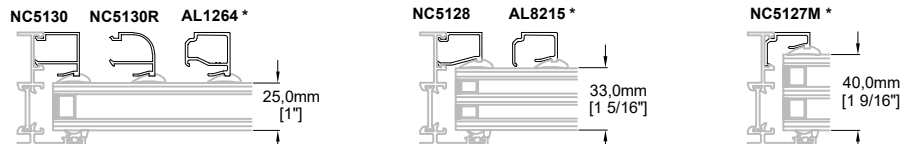
DIVISIONS



Barrotins



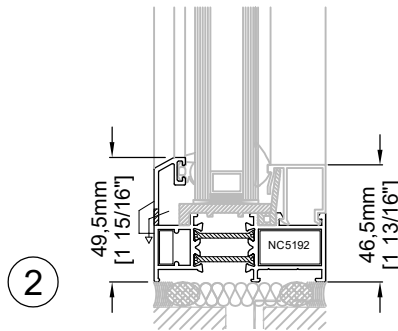
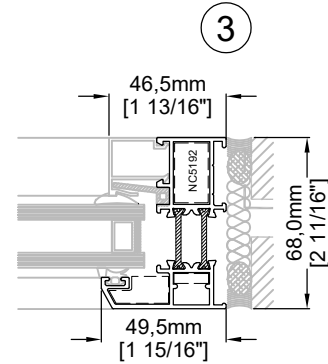
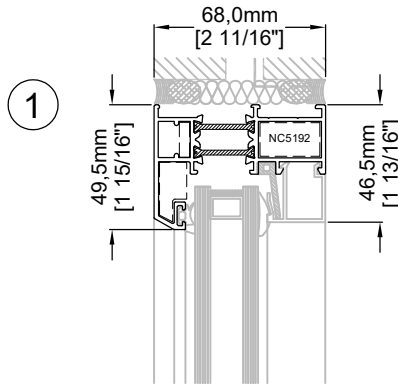
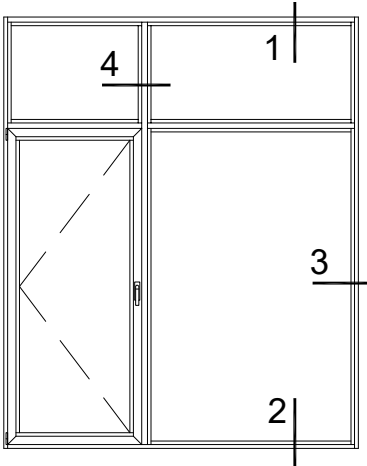
Parcloles et épaisseurs de vitrage / Glass stops and glazing thicknesses



* Parcloles / Glass stop performance: AW

Cadre Classique 68mm - 2 11/16" Classic Frame

ÉLÉVATION ET DÉTAILS STANDARDS STANDARD ELEVATION AND DETAILS



Ouvrants compatibles Compatible openings

Intérieur / Inswing

Trémie / Hopper
Battant / Casement
Oscillo-battant / Tilt and turn
Dissimulé / Concealed
Amovible / Removable

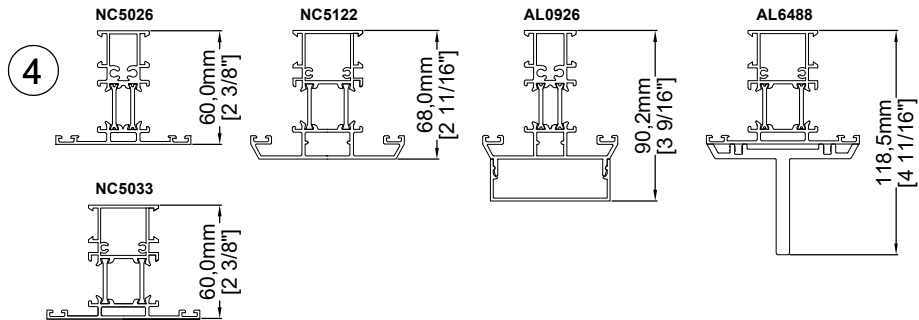
Extérieur / Outswing

Aucun ouvrant extérieur
No outswing opening

Porte / Door

Porte fenêtre ouvrant int. et ext.
Inswing & Outswing French door
Porte terrasse ouvrant int. et ext.
Inswing & Outswing Terrace door

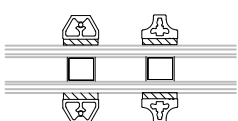
DIVISIONS



Détails techniques disponibles
www.alumico.com
Technical details available

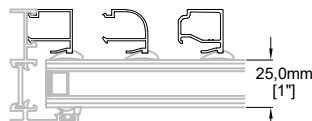
Barrotins

NC5103 999955



Parcloles et épaisseurs de vitrage / Glass stops and glazing thicknesses

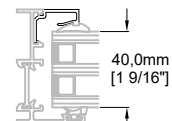
NC5130 NC5130R AL1264*



NC5128 AL8215*



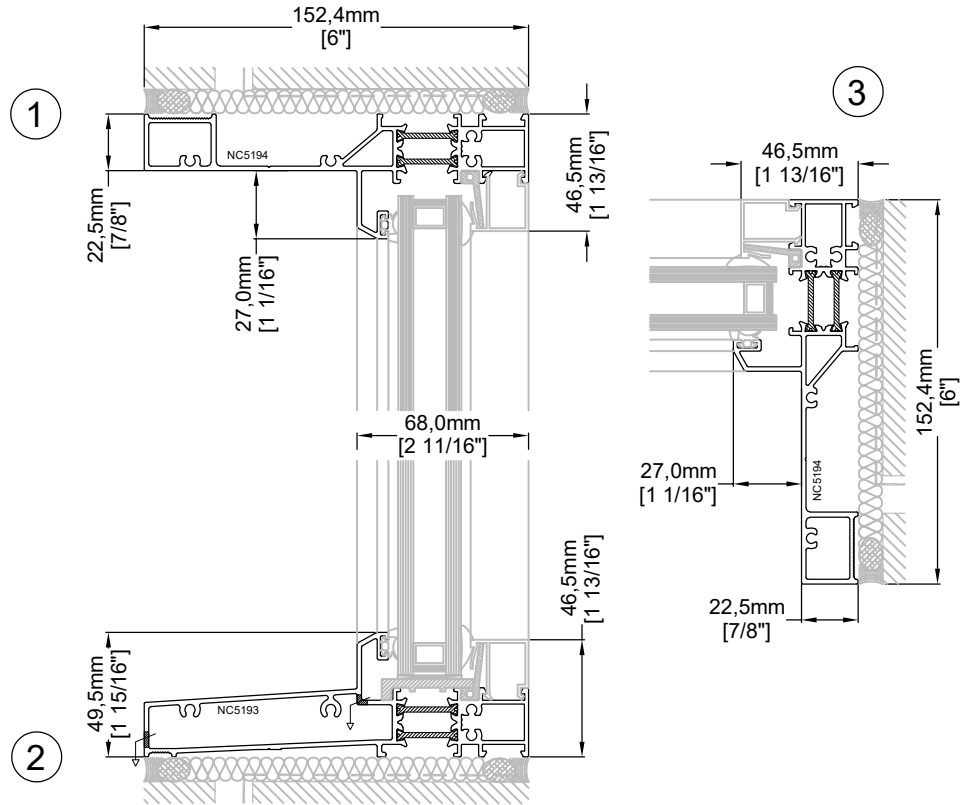
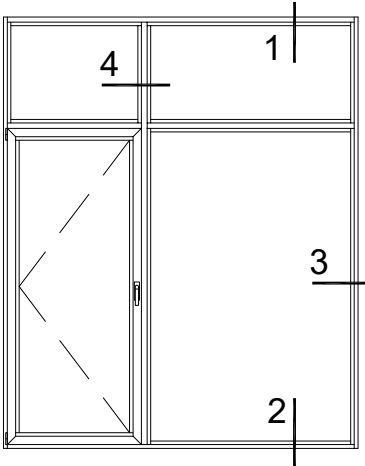
NC5127M*



* Parcloles / Glass stop performance: AW

Cadre Classique 152mm - 6" Classic Frame

ÉLÉVATION ET DÉTAILS STANDARDS STANDARD ELEVATION AND DETAILS



Ouvrants compatibles Compatible openings

Intérieur / Inswing

Trémie / Hopper
Battant / Casement
Oscillo-battant / Tilt and turn
Dissimulé / Concealed
Amovible / Removable

Extérieur / Outswing

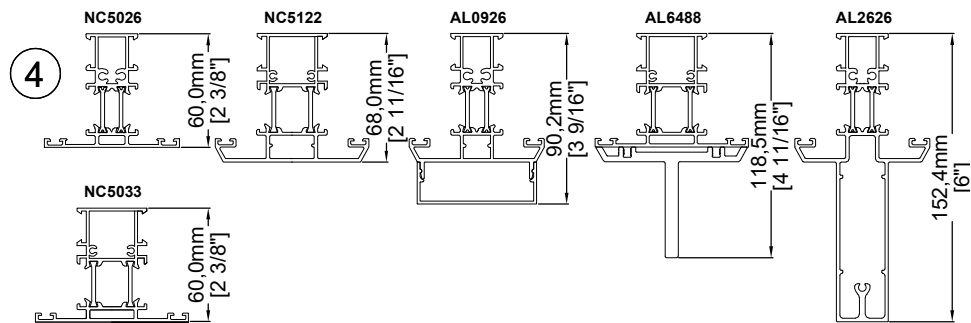
Aucun ouvrant extérieur
No outswing opening

Porte / Door

Porte fenêtre ouvrant int. et ext.
Inswing & Outswing French door
Porte terrasse ouvrant int. et ext.
Inswing & Outswing Terrace door

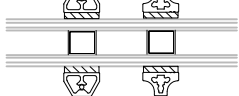
Détails techniques disponibles
www.alumico.com.
Technical details available

DIVISIONS



Barrotins

NC5103 999955



Parcloles et épaisseurs de vitrage / Glass stops and glazing thicknesses

NC5130 NC5130R AL1264*



NC5128 AL8215*



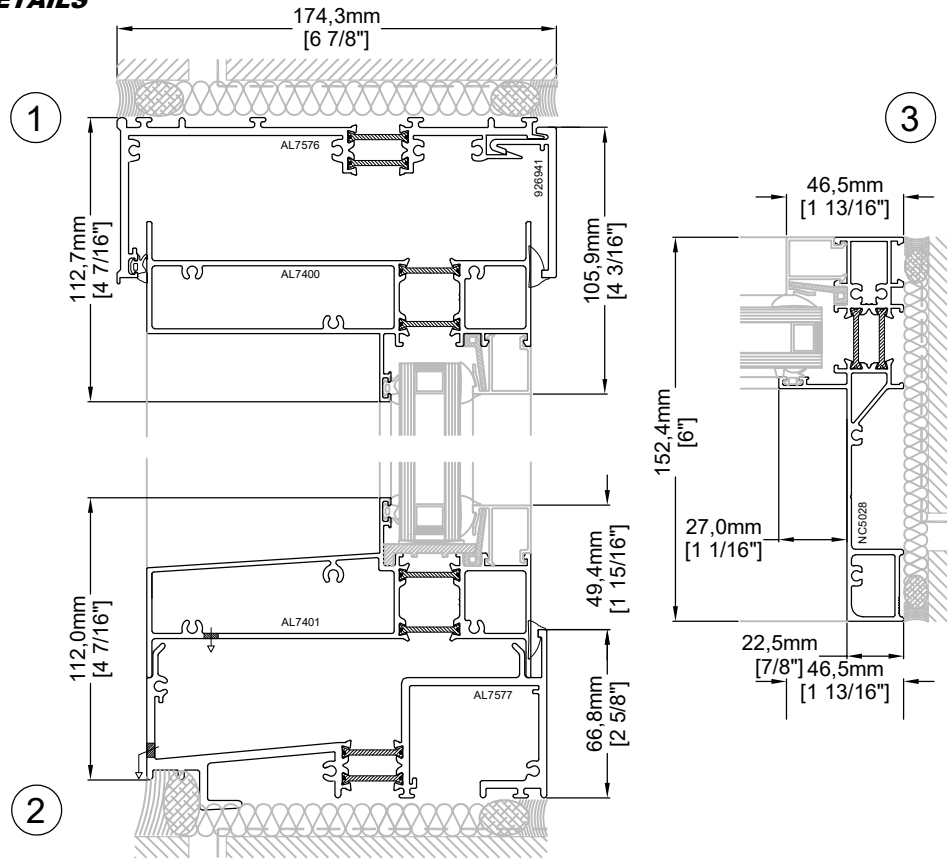
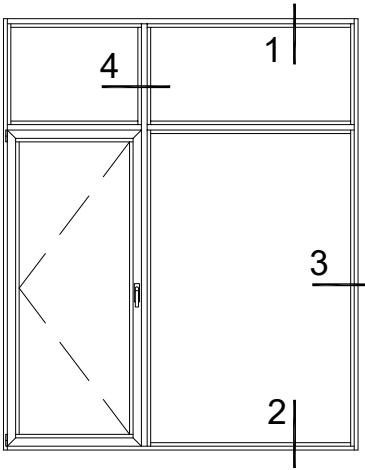
NC5127M*



* Parcloles / Glass stop performance: AW

Cadre Goutière 174mm - 6 7/8" Gutter Frame

ÉLÉVATION ET DÉTAILS STANDARDS STANDARD ELEVATION AND DETAILS



Ouvrants compatibles Compatible openings

Intérieur / Inswing

Trémie / Hopper
Battant / Casement
Oscillo-battant / Tilt and turn
Dissimulé / Concealed
Amovible / Removable

Extérieur / Outswing

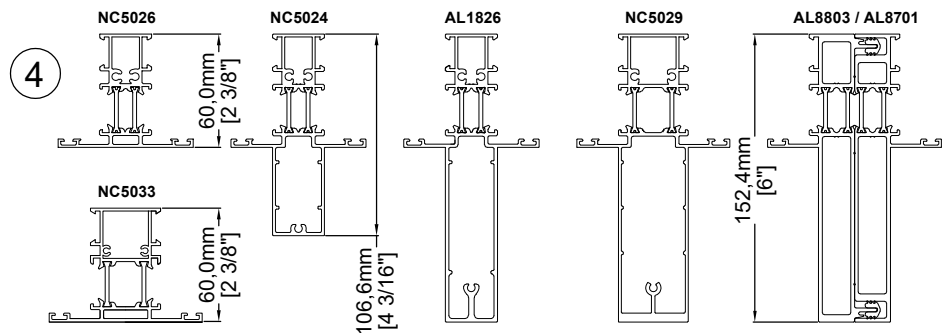
Battant / Casement
Auvent / Awning
Sécurité / Security

Porte / Door

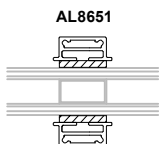
Porte fenêtre ouvrant int. et ext.
Inswing & Outswing French door
Porte terrasse ouvrant int. et ext.
Inswing & Outswing Terrace door

Détails techniques disponibles
www.alumico.com
Technical details available

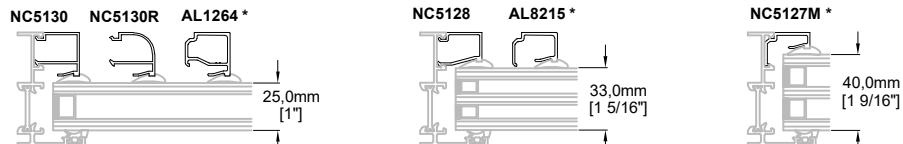
DIVISIONS



Barrotins

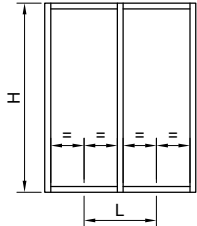


Parcloles et épaisseurs de vitrage / Glass stops and glazing thicknesses

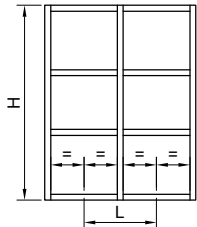
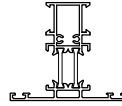
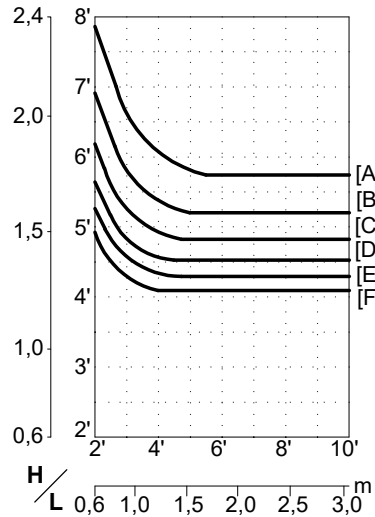


* Parcloles / Glass stop performance: AW

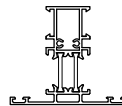
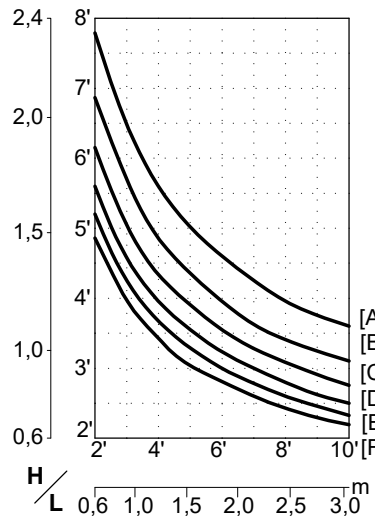
CHARGE LIMITE DES MENEUX VERTICAUX LOAD LIMITATION FOR VERTICAL MULLIONS



Division régulière
Sans traverse
60mm (2 3/8")
NC5026
Standard division
Without intermediate



Division régulière
Avec traverses
60mm (2 3/8")
NC5026
Standard division
With intermediate



[A] 15 lbs/pi ² - psf (0,72kPa)	[B] 20 lbs/pi ² - psf (0,96kPa)
[C] 25 lbs/pi ² - psf (1,2kPa)	[D] 30 lbs/pi ² - psf (1,44kPa)
[E] 35 lbs/pi ² - psf (1,68kPa)	[F] 40 lbs/pi ² - psf (1,93kPa)

Flèche maximale / Maximum deflection
H/175 ou/or 3/4" (19mm)

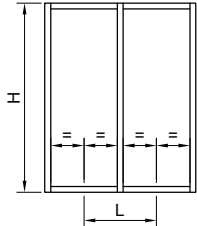
Charge limite des meneaux verticaux / Load limitation for vertical mullions

Les courbes tiennent compte du critère le plus restrictif, soit la flèche maximale ou la contrainte maximale.

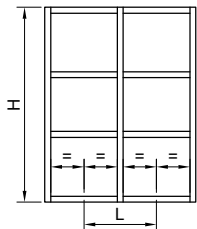
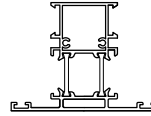
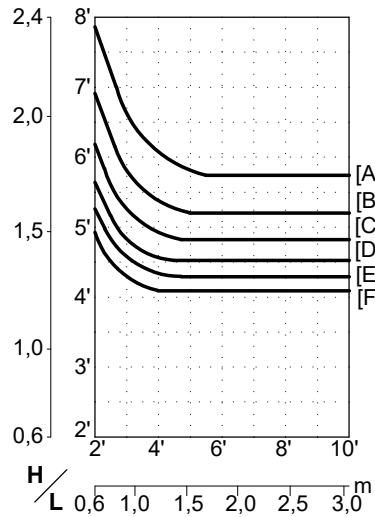
The curves take into account the most restrictive criterion, i.e. the maximum deflection or the allowable stress.

Calculs selon NAFS - WDMA I.S.11 et assemblages selon AAMA450 / State design as per NAFS - WDMA I.S.11 and assembly as per AAMA450

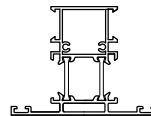
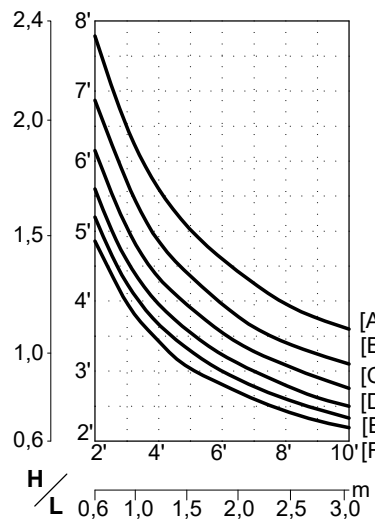
CHARGE LIMITE DES MENEaux VERTICAUX LOAD LIMITATION FOR VERTICAL MULLIONS



Division robuste
Sans traverse
60mm (2 3/8")
NC5033
*Heavy-duty division
Without intermediate*



Division robuste
Avec traverses
60mm (2 3/8")
NC5033
*Heavy-duty division
With intermediate*



[A] 15 lbs/pi ² - psf (0,72kPa)	[B] 20 lbs/pi ² - psf (0,96kPa)
[C] 25 lbs/pi ² - psf (1,2kPa)	[D] 30 lbs/pi ² - psf (1,44kPa)
[E] 35 lbs/pi ² - psf (1,68kPa)	[F] 40 lbs/pi ² - psf (1,93kPa)

Flèche maximale / *Maximum deflection*
H/175 ou/ou 3/4" (19mm)

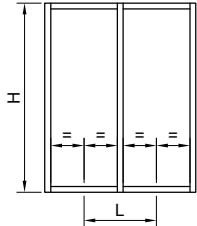
Charge limite des meneaux verticaux / *Load limitation for vertical mullions*

Les courbes tiennent compte du critère le plus restrictif, soit la flèche maximale ou la contrainte maximale.

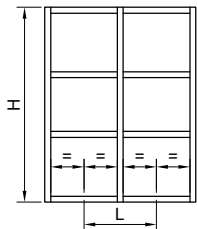
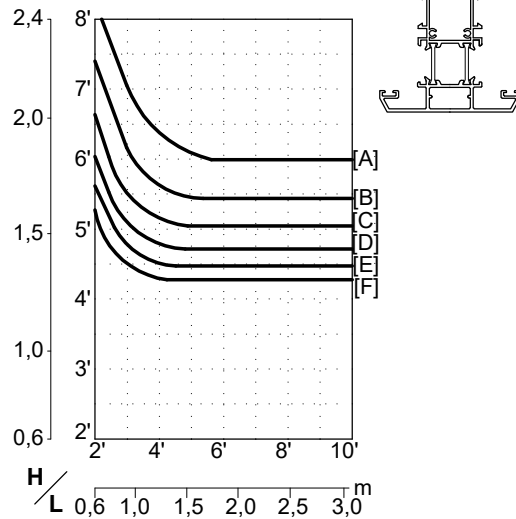
The curves take into account the most restrictive criterion, i.e. the maximum deflection or the allowable stress.

Calculs selon NAFS - WDMA I.S.11 et assemblages selon AAMA450 / *State design as per NAFS - WDMA I.S.11 and assembly as per AAMA450*

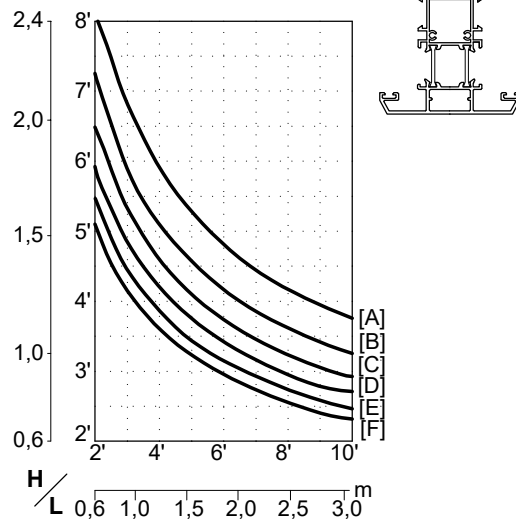
CHARGE LIMITE DES MENEUX VERTICAUX LOAD LIMITATION FOR VERTICAL MULLIONS



Division robuste
Sans traverse
68mm (2 11/16")
NC5122
*Heavy-duty division
Without intermediate*



Division robuste
Avec traverses
68mm (2 11/16")
NC5122
*Heavy-duty division
With intermediate*



[A] 15 lbs/pi ² - psf (0,72kPa)	[B] 20 lbs/pi ² - psf (0,96kPa)
[C] 25 lbs/pi ² - psf (1,2kPa)	[D] 30 lbs/pi ² - psf (1,44kPa)
[E] 35 lbs/pi ² - psf (1,68kPa)	[F] 40 lbs/pi ² - psf (1,93kPa)

Flèche maximale / *Maximum deflection*
H/175 ou/or 3/4" (19mm)

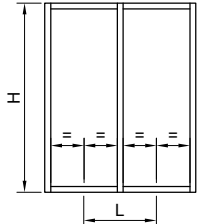
Charge limite des meneaux verticaux / *Load limitation for vertical mullions*

Les courbes tiennent compte du critère le plus restrictif, soit la flèche maximale ou la contrainte maximale.

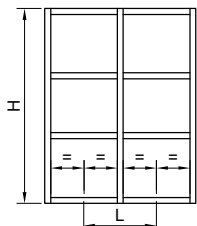
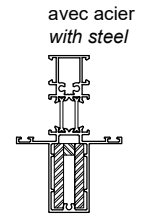
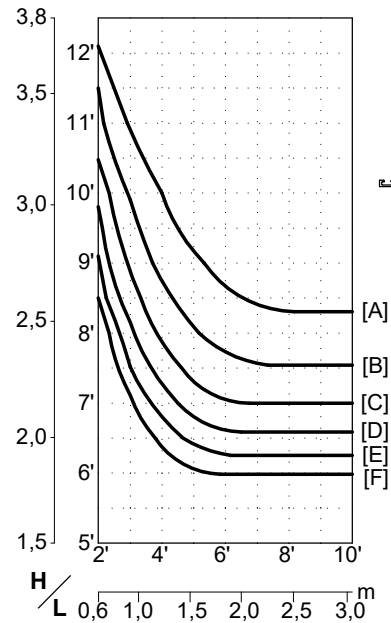
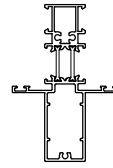
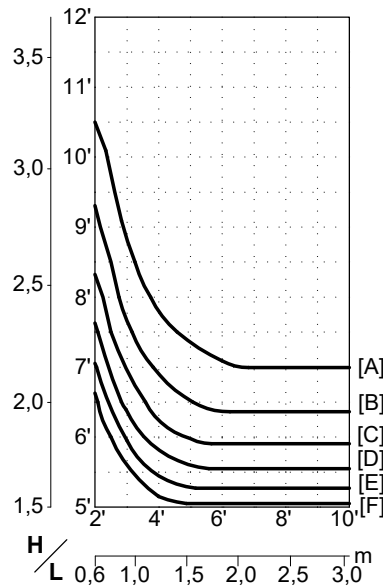
The curves take into account the most restrictive criterion, i.e. the maximum deflection or the allowable stress.

Calculs selon NAFS - WDMA I.S.11 et assemblages selon AAMA450 / *State design as per NAFS - WDMA I.S.11 and assembly as per AAMA450*

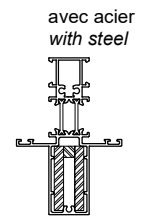
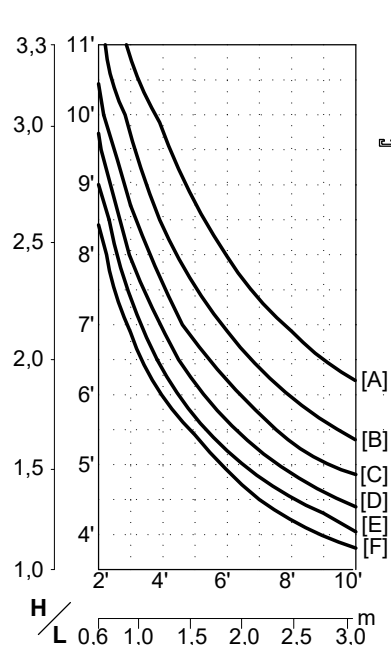
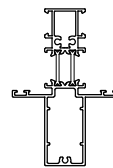
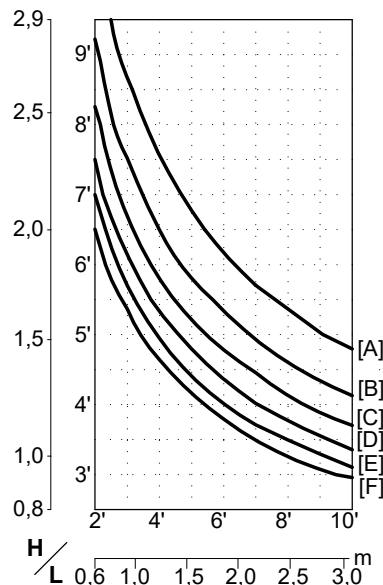
CHARGE LIMITE DES MENEaux VERTICAUX LOAD LIMITATION FOR VERTICAL MULLIONS



Division régulière
Sans traverse
106mm (4 3/16")
NC5024
Standard division
Without intermediate



Division régulière
Avec traverse
106mm (4 3/16")
NC5024
Standard division
With intermediate



[A] 15 lbs/pi ² - psf (0,72kPa)	[B] 20 lbs/pi ² - psf (0,96kPa)
[C] 25 lbs/pi ² - psf (1,2kPa)	[D] 30 lbs/pi ² - psf (1,44kPa)
[E] 35 lbs/pi ² - psf (1,68kPa)	[F] 40 lbs/pi ² - psf (1,93kPa)

Flèche maximale / Maximum deflection
H/175 ou/or 3/4" (19mm)

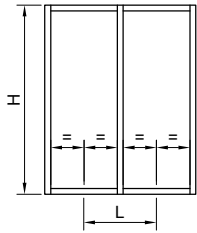
Charge limite des meneaux verticaux / Load limitation for vertical mullions

Les courbes tiennent compte du critère le plus restrictif, soit la flèche maximale ou la contrainte maximale.

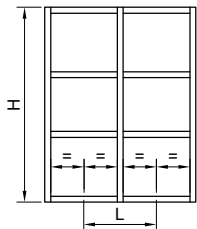
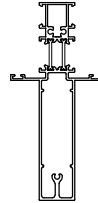
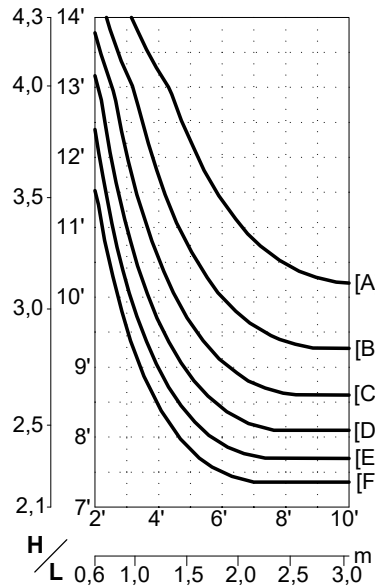
The curves take into account the most restrictive criterion, i.e. the maximum deflection or the allowable stress.

Calculs selon NAFS - WDMA I.S.11 et assemblages selon AAMA450 / State design as per NAFS - WDMA I.S.11 and assembly as per AAMA450

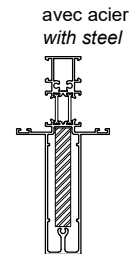
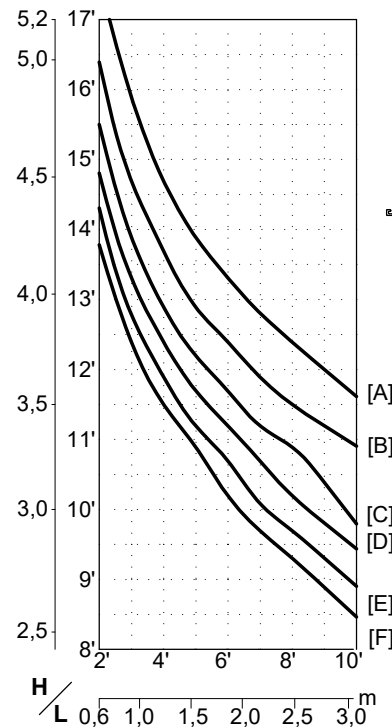
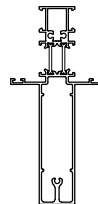
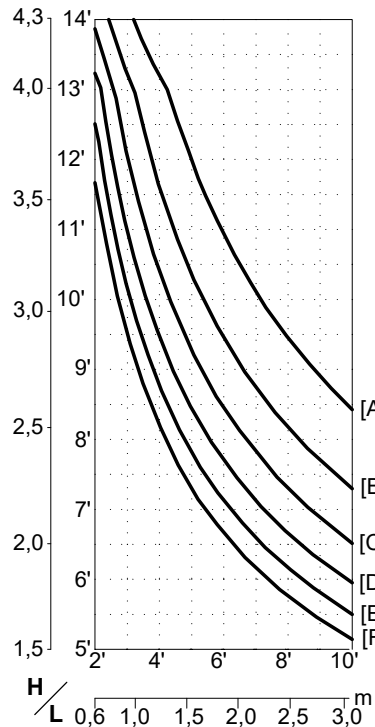
CHARGE LIMITE DES MENEUX VERTICAUX LOAD LIMITATION FOR VERTICAL MULLIONS



Division régulière
Sans traverse
152mm (6")
AL1826
Standard division
Without intermediate



Division régulière
Avec traverses
152mm (6")
AL1826
Standard division
With intermediate



[A] 15 lbs/pi ² - psf (0,72kPa)	[B] 20 lbs/pi ² - psf (0,96kPa)
[C] 25 lbs/pi ² - psf (1,2kPa)	[D] 30 lbs/pi ² - psf (1,44kPa)
[E] 35 lbs/pi ² - psf (1,68kPa)	[F] 40 lbs/pi ² - psf (1,93kPa)

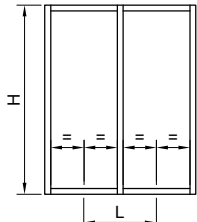
Flèche maximale / Maximum deflection
H/175 ou/ou 3/4" (19mm)

Charge limite des meneaux verticaux / Load limitation for vertical mullions

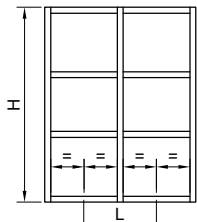
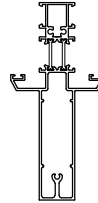
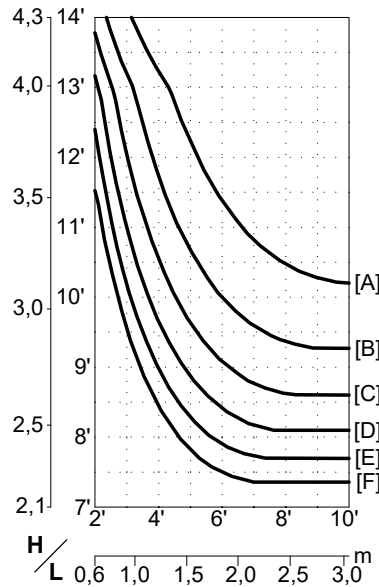
Les courbes tiennent compte du critère le plus restrictif, soit la flèche maximale ou la contrainte maximale.
The curves take into account the most restrictive criterion, i.e. the maximum deflection or the allowable stress.

Calculs selon NAFS - WDMA I.S.11 et assemblages selon AAMA450 / State design as per NAFS - WDMA I.S.11 and assembly as per AAMA450

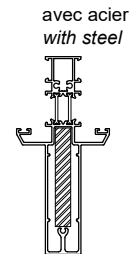
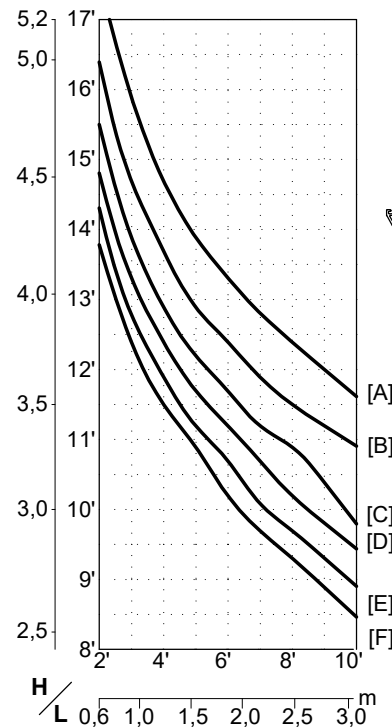
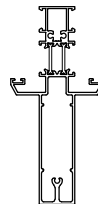
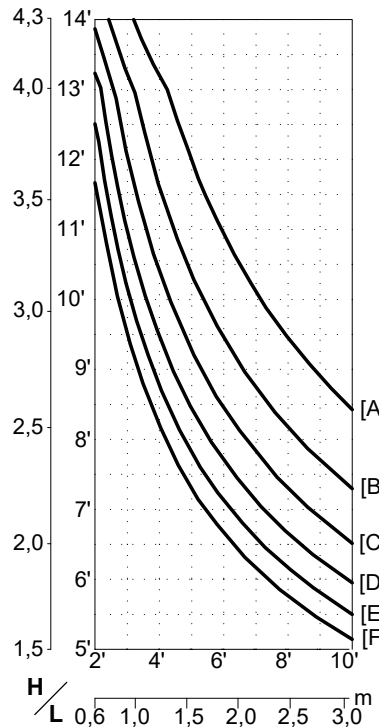
CHARGE LIMITE DES MENEUX VERTICAUX LOAD LIMITATION FOR VERTICAL MULLIONS



Division classique
Sans traverse
152mm (6")
AL2626
Classic division
Without intermediate



Division classique
Avec traverses
152mm (6")
AL2626
Classic division
With intermediate



[A] 15 lbs/pi ² - psf (0,72kPa)	[B] 20 lbs/pi ² - psf (0,96kPa)
[C] 25 lbs/pi ² - psf (1,2kPa)	[D] 30 lbs/pi ² - psf (1,44kPa)
[E] 35 lbs/pi ² - psf (1,68kPa)	[F] 40 lbs/pi ² - psf (1,93kPa)

Flèche maximale / Maximum deflection
H/175 ou/ou 3/4" (19mm)

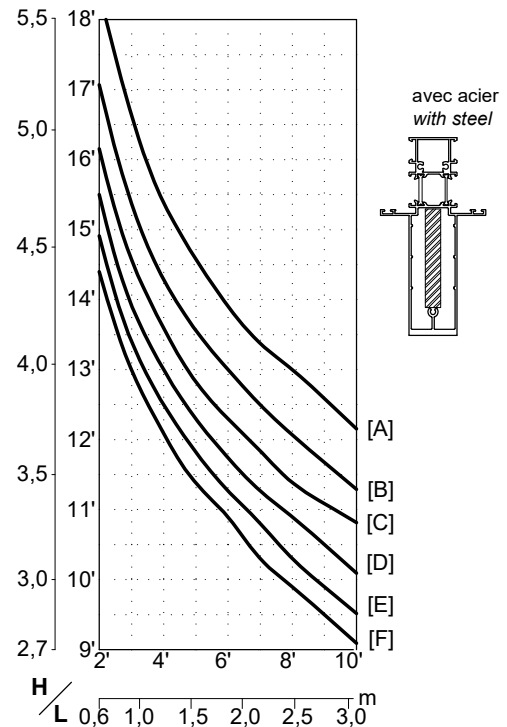
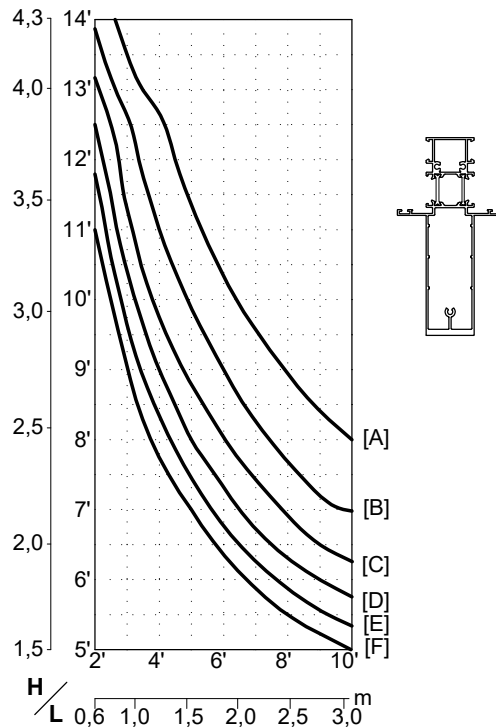
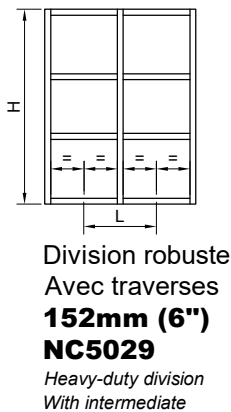
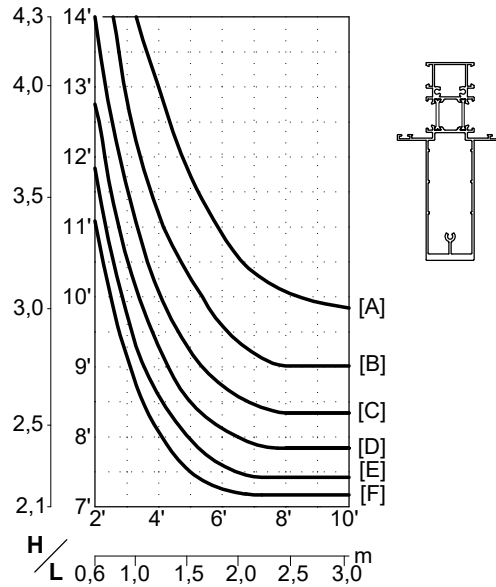
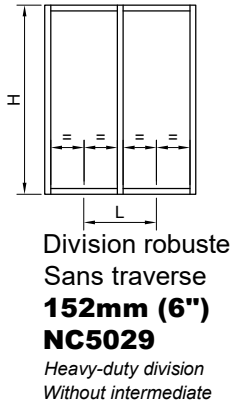
Charge limite des meneaux verticaux / Load limitation for vertical mullions

Les courbes tiennent compte du critère le plus restrictif, soit la flèche maximale ou la contrainte maximale.

The curves take into account the most restrictive criterion, i.e. the maximum deflection or the allowable stress.

Calculs selon NAFS - WDMA I.S.11 et assemblages selon AAMA450 / State design as per NAFS - WDMA I.S.11 and assembly as per AAMA450

CHARGE LIMITE DES MENEUX VERTICAUX LOAD LIMITATION FOR VERTICAL MULLIONS



[A] 15 lbs/pi ² - psf (0,72kPa)	[B] 20 lbs/pi ² - psf (0,96kPa)
[C] 25 lbs/pi ² - psf (1,2kPa)	[D] 30 lbs/pi ² - psf (1,44kPa)
[E] 35 lbs/pi ² - psf (1,68kPa)	[F] 40 lbs/pi ² - psf (1,93kPa)

Flèche maximale / Maximum deflection
H/175 ou/ou 3/4" (19mm)

Charge limite des meneaux verticaux / Load limitation for vertical mullions

Les courbes tiennent compte du critère le plus restrictif, soit la flèche maximale ou la contrainte maximale.
The curves take into account the most restrictive criterion, i.e. the maximum deflection or the allowable stress.

Calculs selon NAFS - WDMA I.S.11 et assemblages selon AAMA450 / State design as per NAFS - WDMA I.S.11 and assembly as per AAMA450