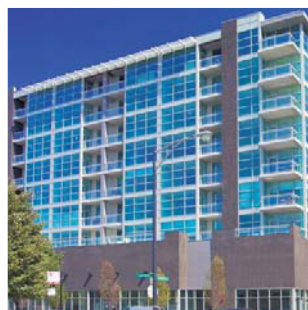**Quest**
Window Systems

NC 82 STH
Door System

Features

- 6063-T5 Aluminum Alloy Frame
- Frame Depth 82 mm [3 $^1/_4$"]
- Max Glass Size 38 mm [1 $^1/_2$"]
- Weather Stripping: EPDM Gaskets
- Thermal Barrier: Polyamide
- Heavy Duty Hinges
- Multi-Point Lock System
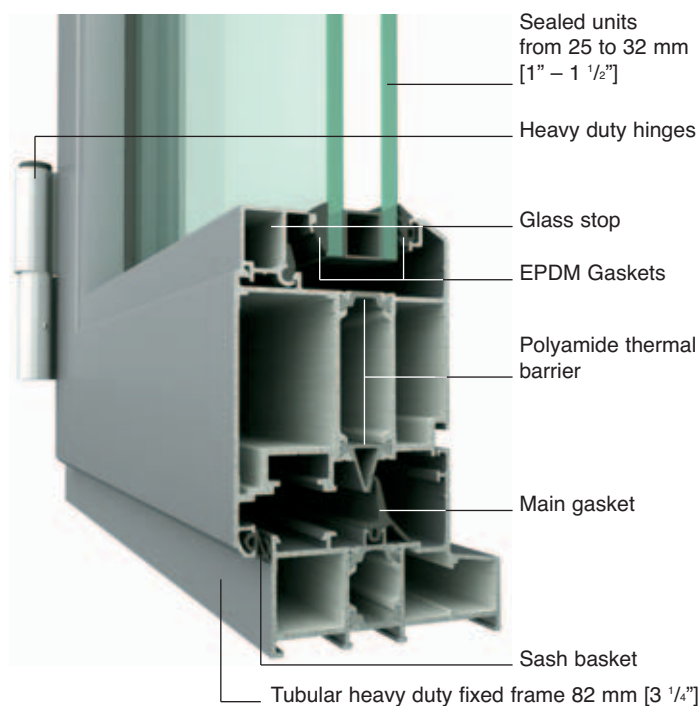- Durable Components

Benefits

- Acoustic Insulation
- Thermal Insulation
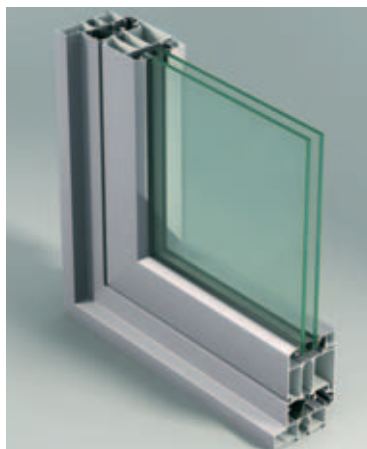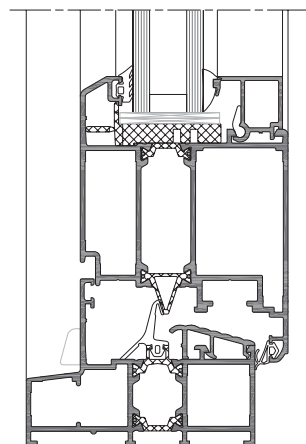- Quiet and Smooth Closing System
- Easy Maintenance

Applications
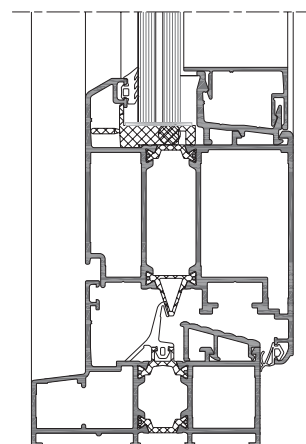
- Doors
- Fixed Windows
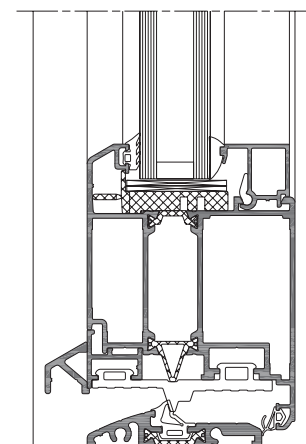- Operable Windows

Technology

Sealed units from 25 to 32 mm [1" – 1 $^1/_2$"]

Heavy duty hinges

Glass stop

EPDM Gaskets

Polyamide thermal barrier

Main gasket

Sash basket

Tubular heavy duty fixed frame 82 mm [3 $^1/_4$"]

Standard solution

Hurricane-proof solution

ADA solution

Performance data

Tested Configuration	Specimen Size	Threshold	AAMA/WDMA/CSA 101/I.S.2/A440-05		TAS
			AAMA	CSA	
Side lite	1220 x 2440 mm [48" x 96"]	-	**C 90** Design pressure: 6436 Pa [135 psf] Water penetration: 720 Pa [15 psf] -	-	**DP100** Structural load: DP100 Cycling test: DP100 -
Transom	2440 x 762 mm [96" x 30"]	-	**C 90** Design pressure: 6436 Pa [135 psf] Water penetration: 720 Pa [15 psf] -	-	-
Single Door Opening Inward	1220 x 2440 mm [48" x 96"]	Standard threshold	**ATD-AW75** Design pressure: 5386 Pa [112 psf] Water penetration: 720 Pa [15 psf] -	**ATD-AW75** Forced entry: F20 Water resistance: B7 Wind load: C5 Air infiltration: A3	-
		ADA threshold	**ATD-AW 55 / SHD-AW 55** Design pressure: 3926 Pa [82 psf] Water penetration: 720 Pa [15 psf]	-	-
Double Door Opening Inward	2440 x 2440 mm [96" x 96"]	Standard threshold	**ATD-AW70** Design pressure: 5027 Pa [105 psf] Water penetration: 720 Pa [15 psf] -	**ATD-AW70** Forced entry: F20 Water resistance: B7 Wind load: C5 Air infiltration: A3	**DP100 *** Structural load: DP100 Cycling test: DP70 -
		ADA threshold	**SHD-C35** Design pressure: 1675 Pa [35 psf] Water penetration: 720 Pa [15 psf]	-	-

*: TAS large missile impact test performed on Opening Outward Double Door

Configurations

Fixed glazing

Single door opening outward

Single door opening inward

French double door opening outward

French double door opening inward

Single door opening outward-inward with sidelight and transom

Double door opening outward-inward with with sidelights and transom
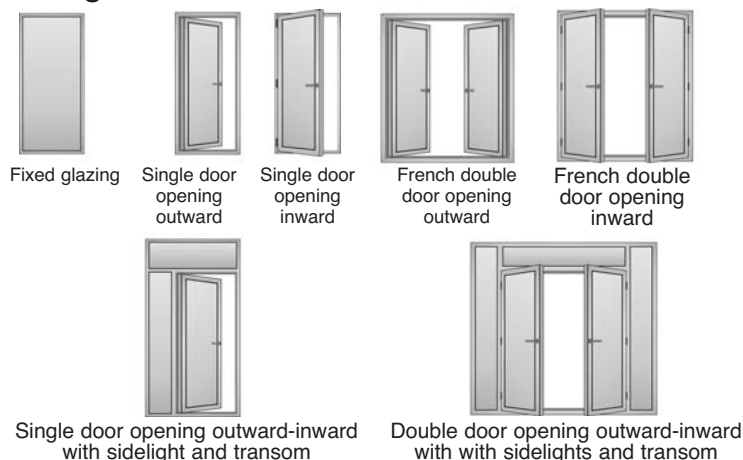
Quality

METRA stands for quality and optimal performance.
Only original METRA profiles and accessories can certify the highest performance.
Original METRA products have an ''M'' mark on the interior surface.
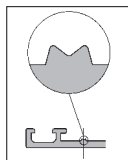
METRA quality is certified by ISO 9001.
METRA controls the entire process of production for the extrusions.
Manufacturing and installation of final products are performed through a network of independent specialists.
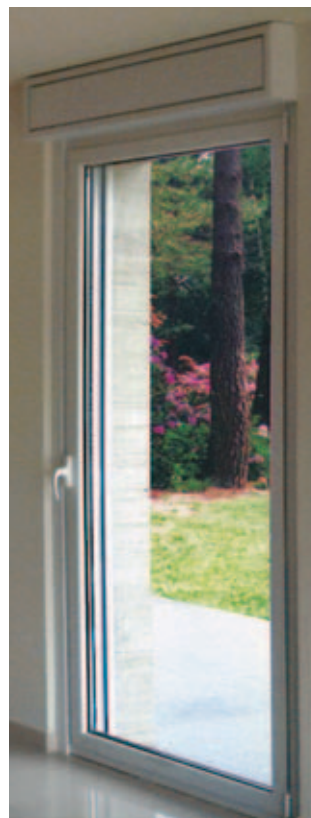
METRA prints on ecologically friendly paper and uses printing products with low environmental impact.

METRA Products

Architectural Envelope

Entrances & Windows

Special Systems

Sliding Systems

Accessories

01/2009