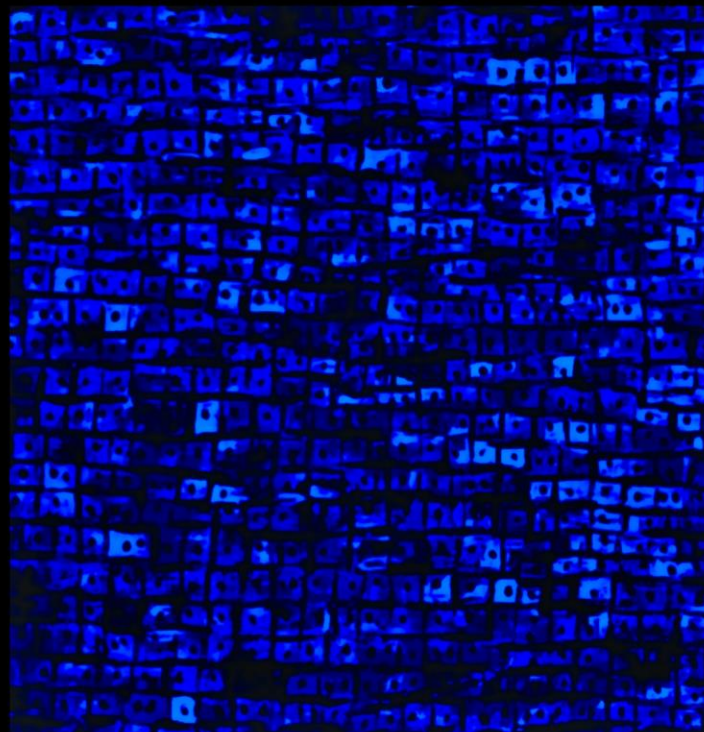


CIA

CONSTRUCCIONES 1A



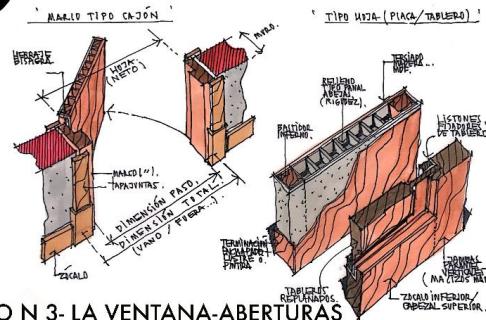
CIA
CONSTRUCCIONES 1A

LA VENTANA





CONSTRUCCIONES 1A



GE 3

ESQUICIO N 3- LA VENTANA-ABERTURAS

■ OBJETIVO GENERAL

Reconocimiento de alternativas tecnológicas para la resolución de aberturas, formas, dimensiones, funcionamiento, elementos constructivos y materiales. Ejercitación sobre la realización de la documentación gráfica correspondiente.

■ DESARROLLO

Ejecute planilla de aberturas de puertas y ventanas interiores y exteriores, indicando:

1. Designación.
2. Cantidad.
3. Ubicación.
4. Forma de abrir.
5. Material marco.
6. Material hojas.
7. Herrajes.
8. Tipo de vidrio.
9. Observaciones.
10. Vista esc. 1:25 de cada abertura.
11. Detalles esc. 1:10 / 1:5 de corte de abertura.

■ PRESENTACIÓN

Técnica libre.

Carpeta con caratula y rótulos oficiales

Trabajo individual

Referencia bibliográfica: Documentación de la cátedra (Apunte contenidos básicos- Cuaderno 1- Arquitectura y Materialidad) y teórico de la cátedra.

EL VAND : UN SÍMBOLO DE ESPACIO VIVO ...



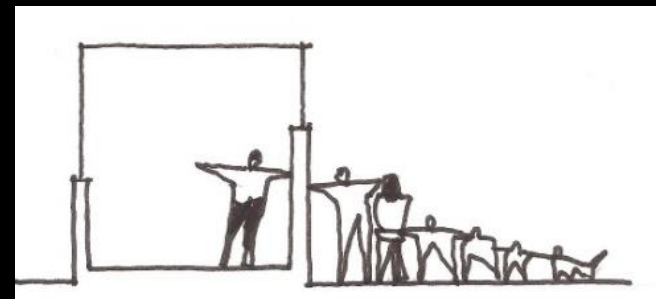
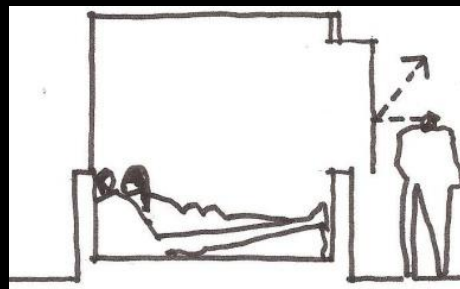
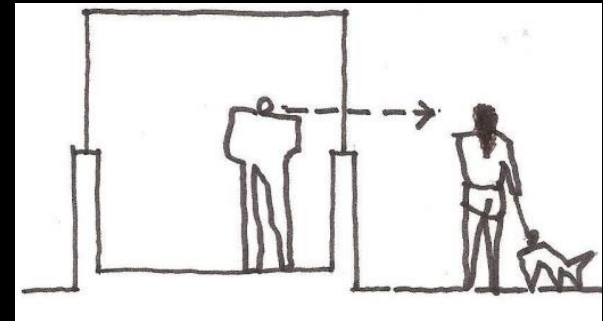
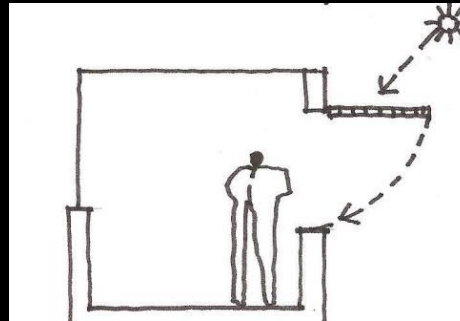
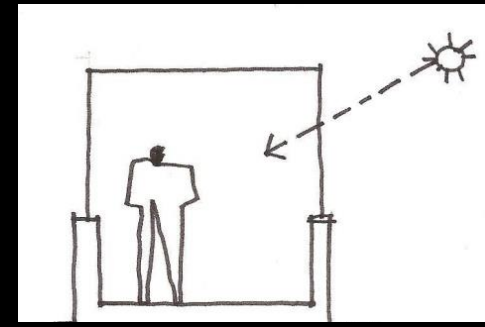
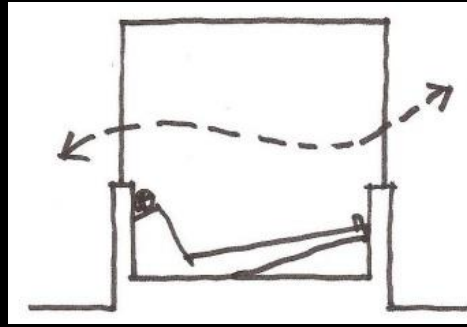
... LA ARQUITECTURA ES EL TRABAJO DE ABRIR HUECOS PARA LOGRAR
CONEXIONES CON EL MUNDO EXTERIOR.....
... ESTOS HUECOS QUE PERMITEN LA CONEXIÓN CON EL EXTERIOR SON LOS
QUE POSIBILITAN LA CREACIÓN DEL 'ESPACIO VIVO'.....

HINOSHI HARADA / discrete City vol 7.



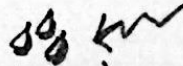
LA VENTANA

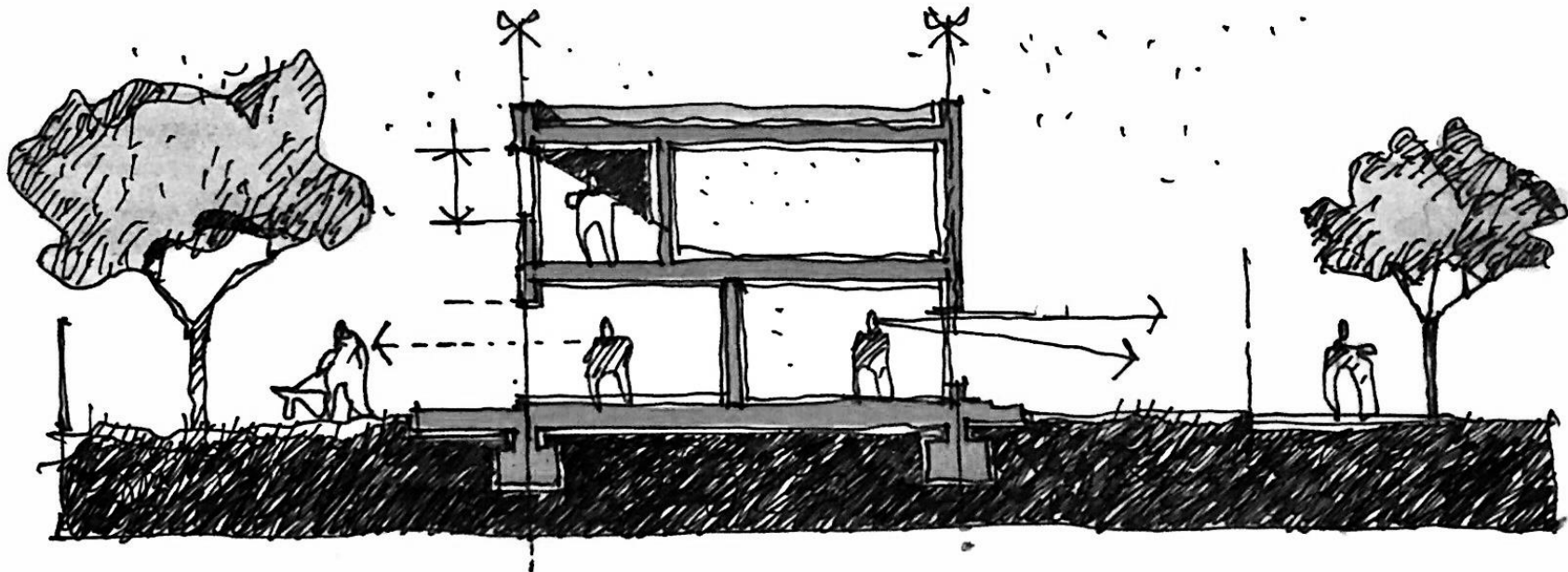
- Iluminación
- Ventilación
- Asoleamiento
- Comunicación
- Seguridad
- Cerramiento
- Ornamental



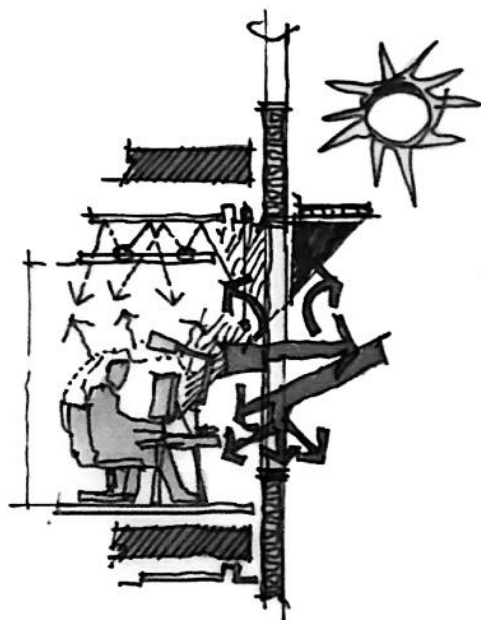
' EL HUECO '

OBJETO/FUNCIÓN

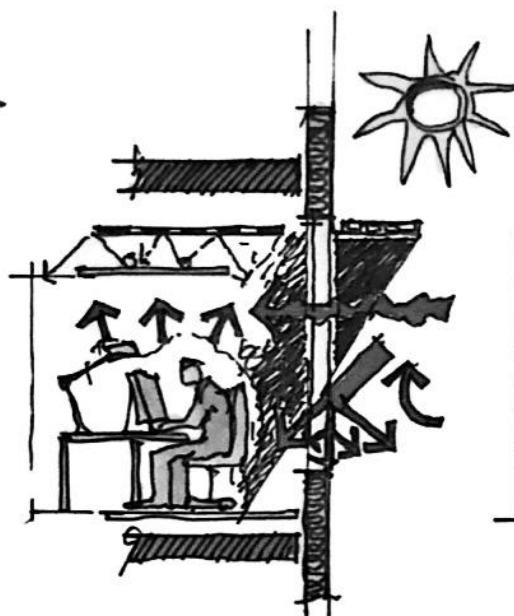
ILUMINACIÓN: $I: \frac{SUP.}{70}$ VENTILACIÓN $V: \frac{1}{2}$	 PRIVACIDAD SEGURIDAD, CONTENCIÓN INTERIOR.	 PERMITIR VISUALES PASE VINCULO EXTERIOR/INT.	 IMPEDIR RUIDOS, AGUA, VIENTO ESTABILIDAD.	 SEGURIDAD PROTECCIÓN.
---	---	--	--	--



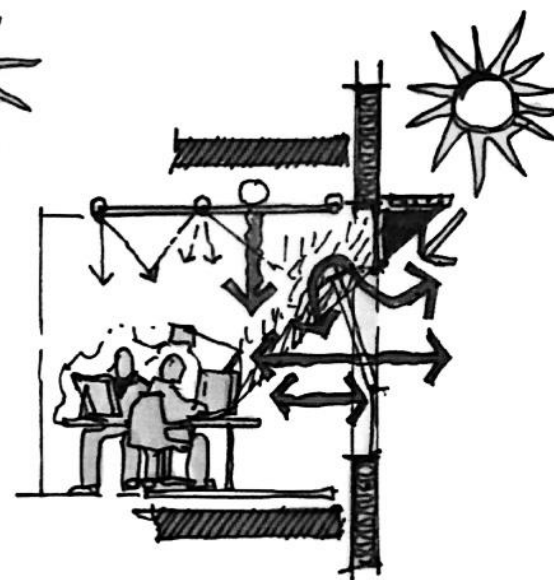
ANÁLISIS DE INTERCAMBIOS ENERGÍAS.



INTERCAMBIOS EN
ÉPOCAS DE CALENTACIÓN
INVIERNO

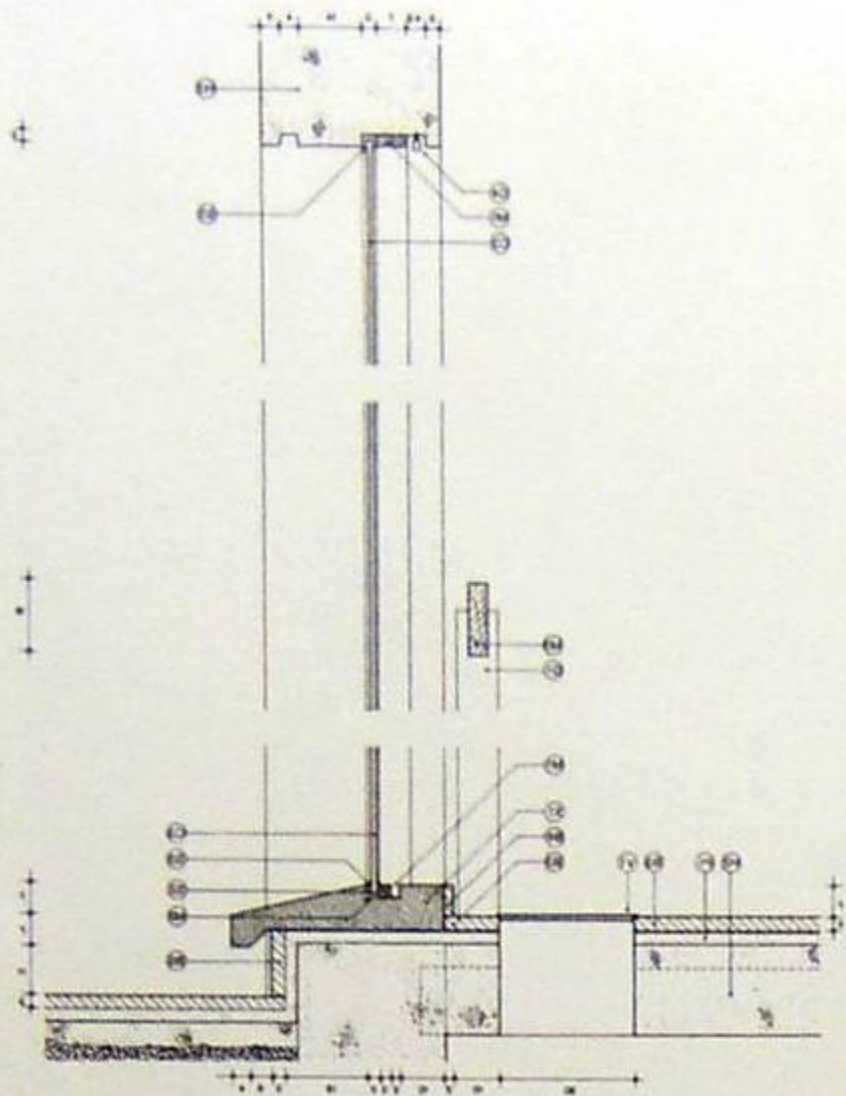


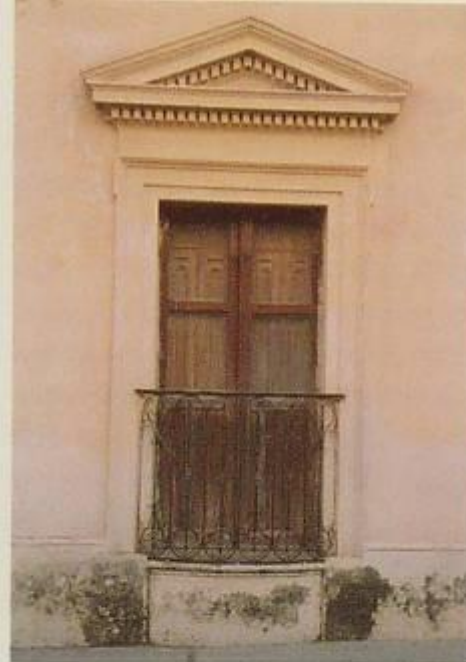
INTERCAMBIOS EN
ÉPOCAS DE REFRIGERACIÓN
VERANO

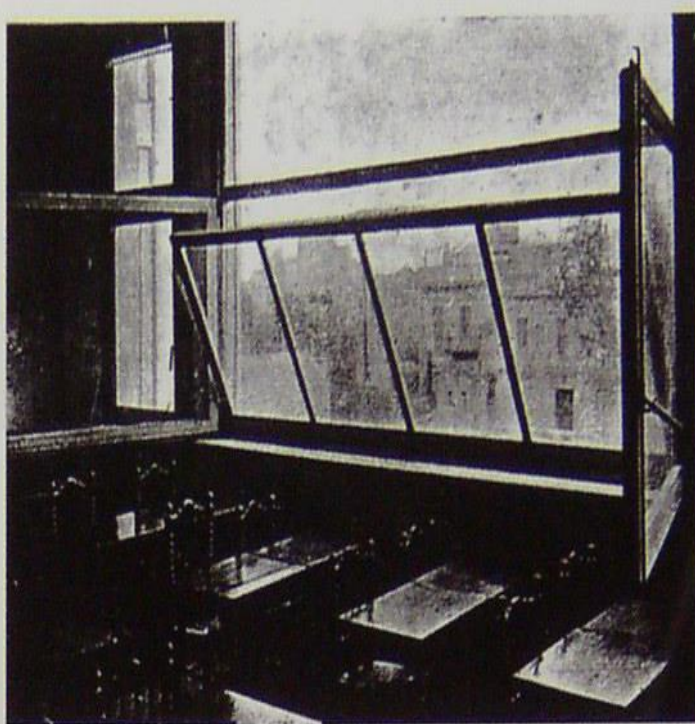
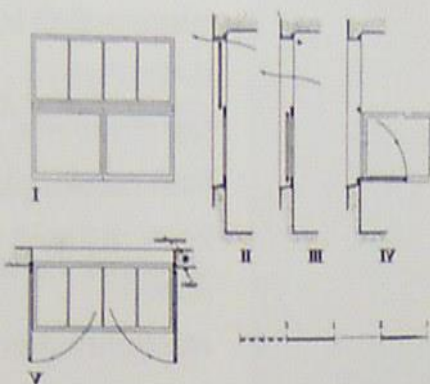
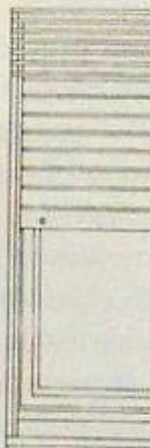
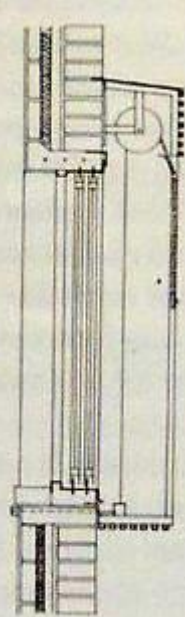


INTERCAMBIOS A TRAVÉS DE
FACIAS
ALTERNAN SITUACIONES DE CONFORT.

LA VENTANA



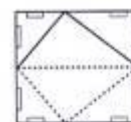




Fijo



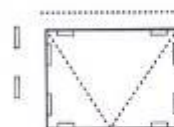
Abrir



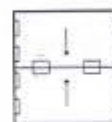
Basculante



Banderola



Proyectante



Guillotina



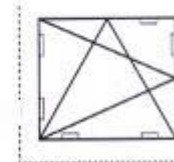
Corrediza



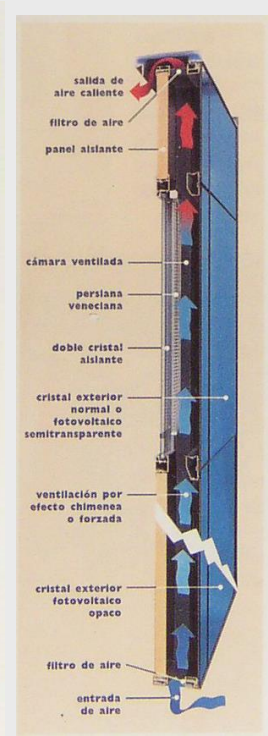
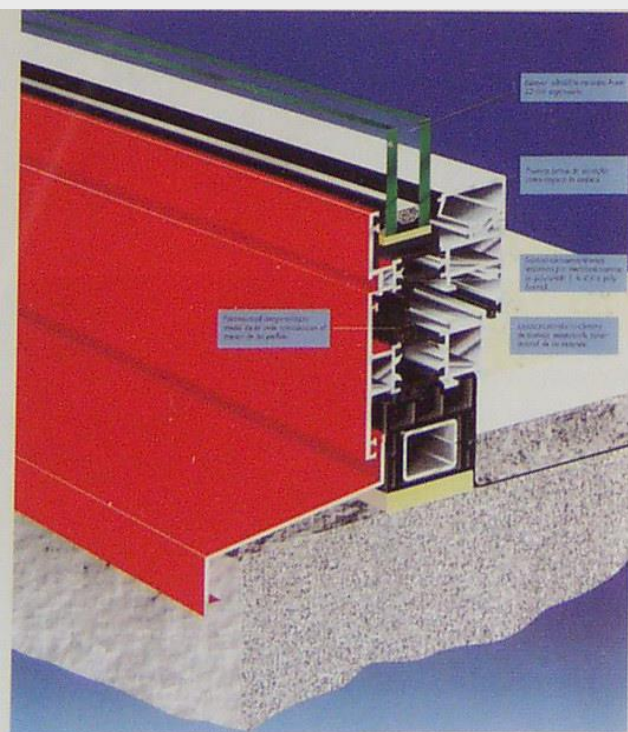
Pivotante



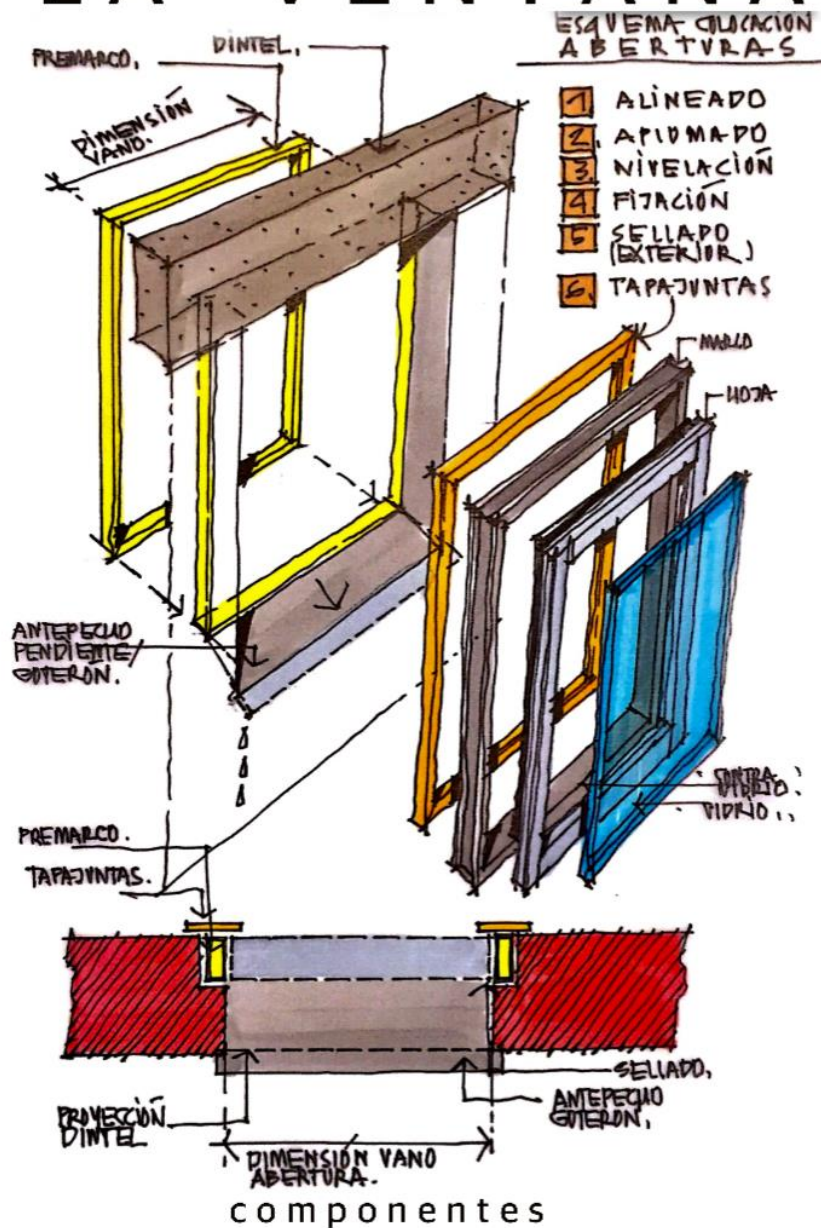
Pivotante
vertical central



Oscilo-batiente

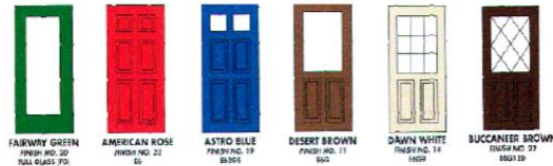


LA VENTANA



CARPINTERIAS

- PUERTAS Y PORTONES



- VENTANAS



- CELOSIAS, PERSIANAS, POSTIGONES Y CORTINAS DE ENROLLAR



- MUROS CORTINA



- REJAS, BARANDAS
- ROPEROS, PLACARES
- TABIQUES DIVISORIOS

FIJAS

•DE ABRIR

•CIEGAS

•TRANSPARENTES

Las partes móviles necesitan mecanismos que permitan movimiento y la posibilidad de cerrar la hoja móvil

•HERRAJES



DE ACCIONAMIENTO:

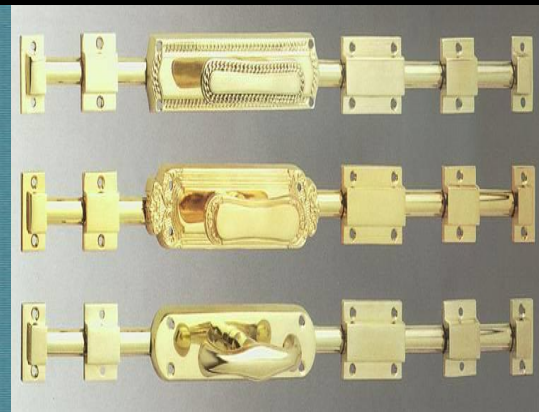
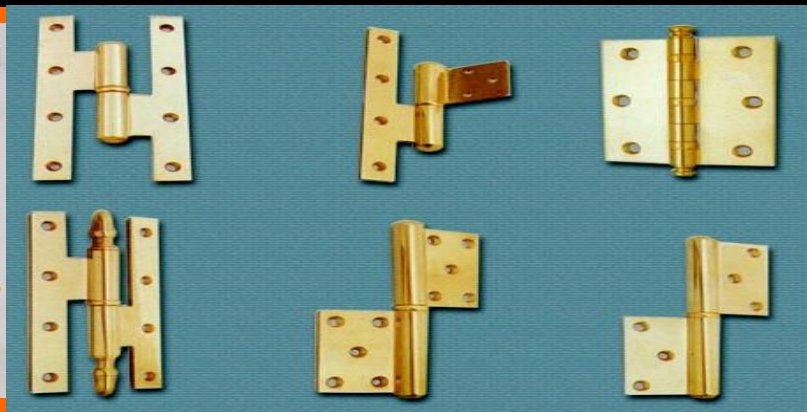
- manijas
- manijones
- pomos
- cubetas
- simplones
- palancas
- tiradores

DE MOVIMIENTO:

- bisagras: fichas, pomelas, de resortes, invisibles.
- rodamientos
- pivotes
- especiales.

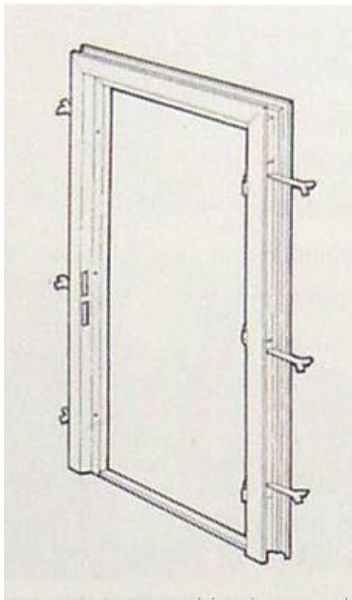
DE RETENCIÓN:

- cerraduras
- pasadores
- aldabas
- fallebas
- retenes o ganchos
- candados
- barras de empuje
- enrolladores manuales o mecánicos
- dispositivos electrónicos – mecánicos
- dispositivos electro-mecánicos.



Carpinterías:

- Impermeabilidad al aire
- Estanqueidad al agua
- Transmitancia térmica y sonora
- Resistencia al viento y temperatura
- Resistencia mecánica
- Facilidad de manejo
- Seguridad contra violaciones



SLATE BLUE
FINISH NO. 24
FLUSH (F)



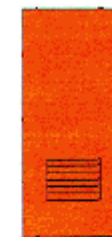
SOUTHWEST VIOLET
FINISH NO. 26
HALF GLASS (G)



JAMAICA GREEN
FINISH NO. 25
NARROW LITE (N)



CARNIVAL RED
FINISH NO. 21
VISION LITE (V)



CAROUSEL ORANGE
FINISH NO. 18
BOTTOM LOUVER (BL)



SUNDANCE YELLOW
FINISH NO. 17
DUTCH DOOR



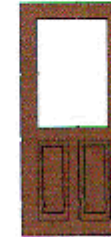
FAIRWAY GREEN
FINISH NO. 20
FULL GLASS (FG)



AMERICAN ROSE
FINISH NO. 23
EG



ASTRO BLUE
FINISH NO. 19
EG265



DESERT BROWN
FINISH NO. 11
EG2

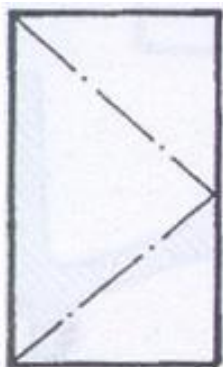


DAWN WHITE
FINISH NO. 14
EG69

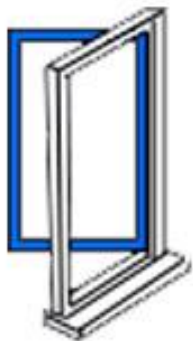


BUCCANEER BROWN
FINISH NO. 27
EG120

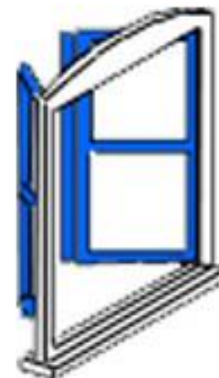
FORMAS DE ABRIR



DE ABRIR



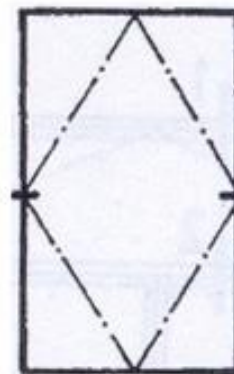
DE ABRIR 2 HOJAS



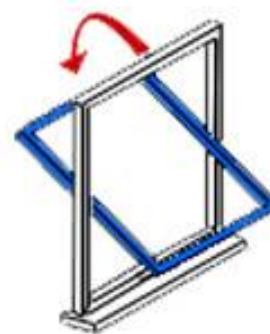
PROYECTANTE



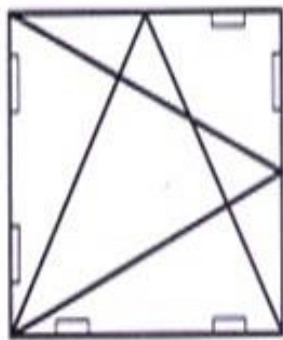
BANDEROLA



BASCULANTE



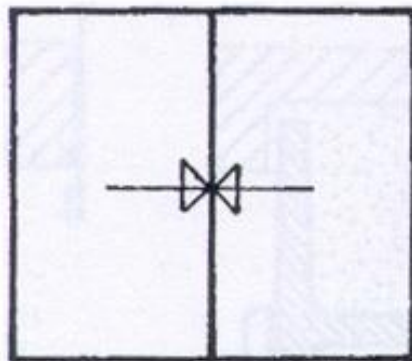
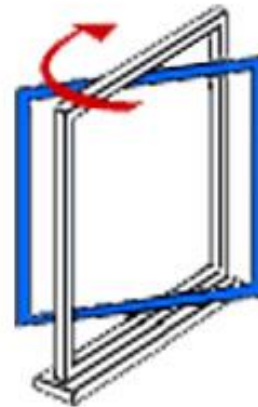
FORMAS DE ABRIR



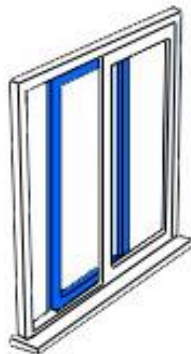
OSCILO -BATIENTE



PIVOTANTE



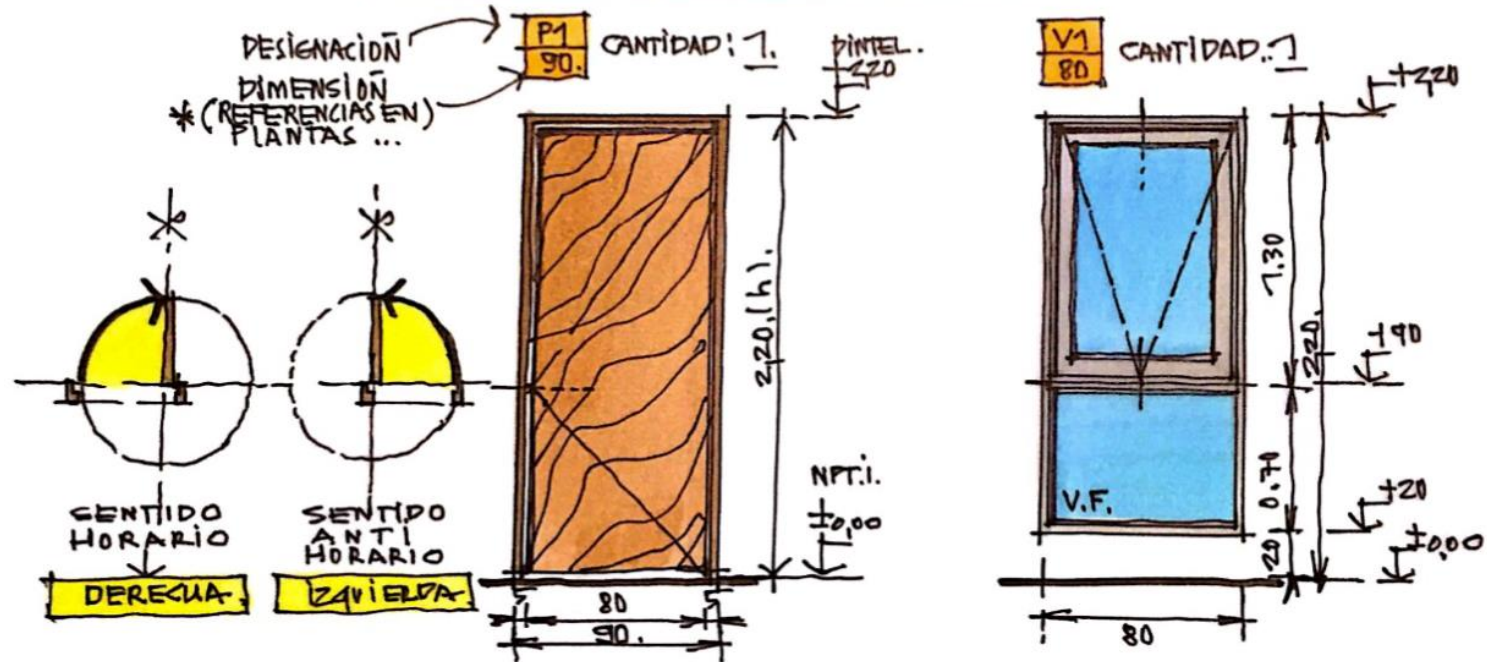
CORREDIZA 2 HOJAS



GUILLOTINA



PLANILLA DE ABERTURAS.



CANTIDAD	1. (UNA).	1. (UNA)
UBICACIÓN	ESTAR PRINCIPAL	DORMITORIO.
FORMA DE ABRIR	COMUN DERECHA.	PROYECTANTE + VIDRIO FIJO.
MARCO	DE MADERA DURA 2ª (TIPO CAJÓN).	ALUMINIO ANODIZADO NATURAL PERFIL A30
HOJA	DE MADERA TIPO PLACA PARA LISTRAR.	ALUM. ANODIZADO NATURAL PERFIL A30 P.
OBSERVACIONES.	TERM. LISTRE / LLEVACERRADORA DE SEGURIDAD TIPO ACTRA	LLEVA VIDRIO DVH, GGG 5/CAMARA 12mm.

TIPOS DE CARPINTERIAS

(según el material de su producción-fabricación)

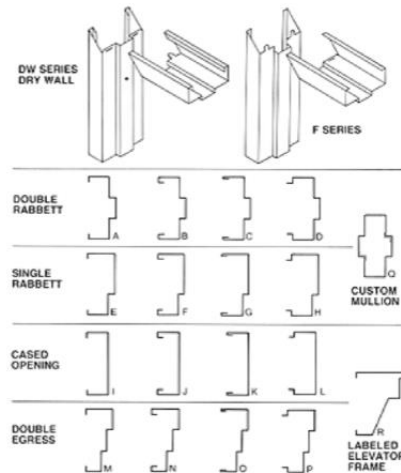
de madera

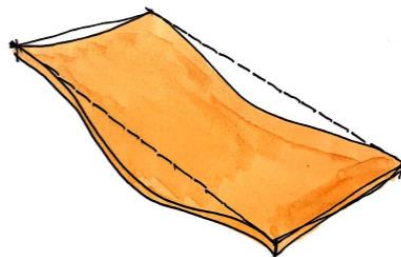
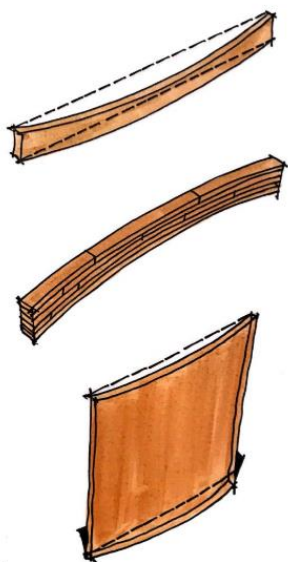
de perfiles

de chapa plegada

de aluminio

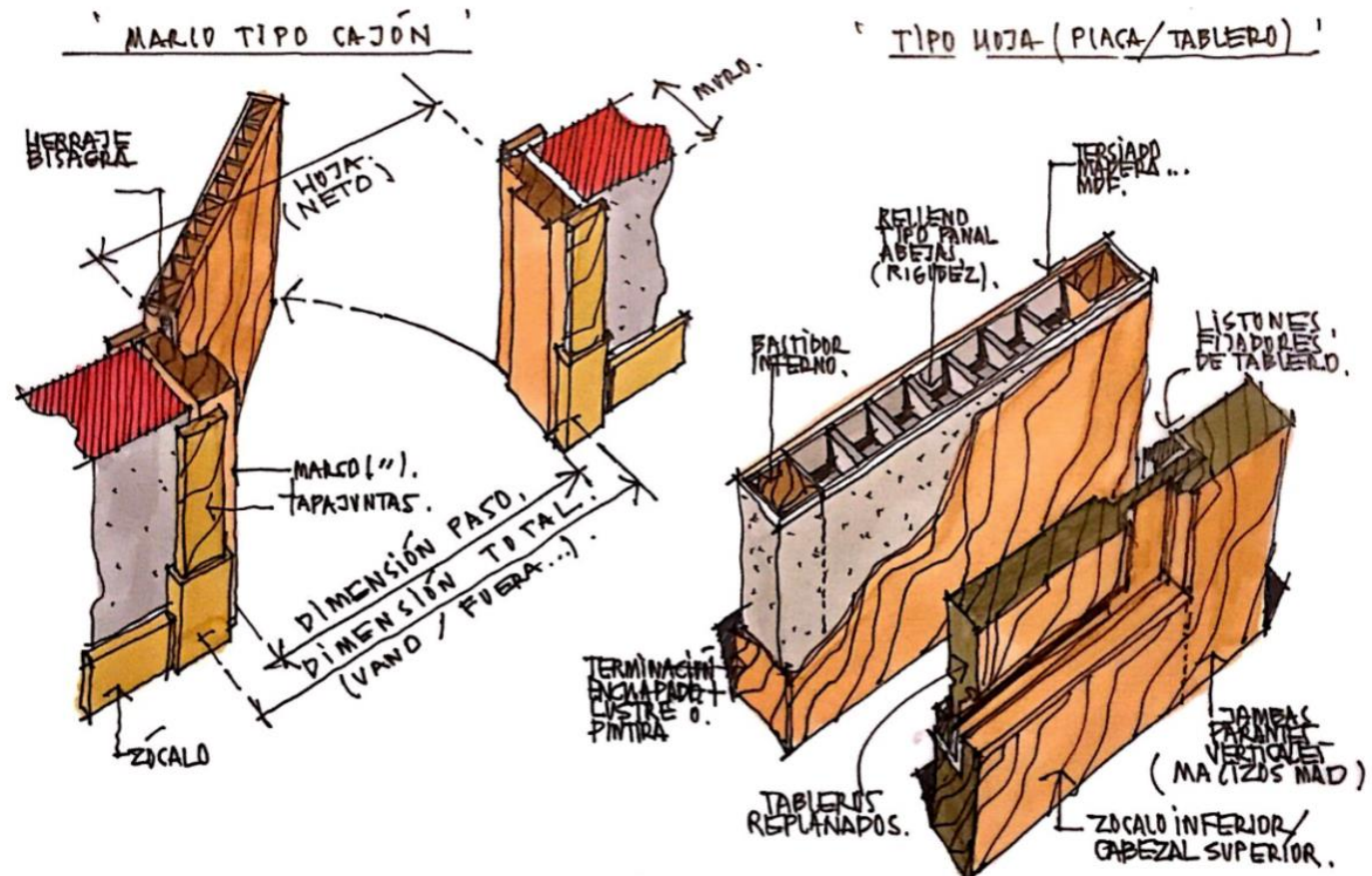
de pvc



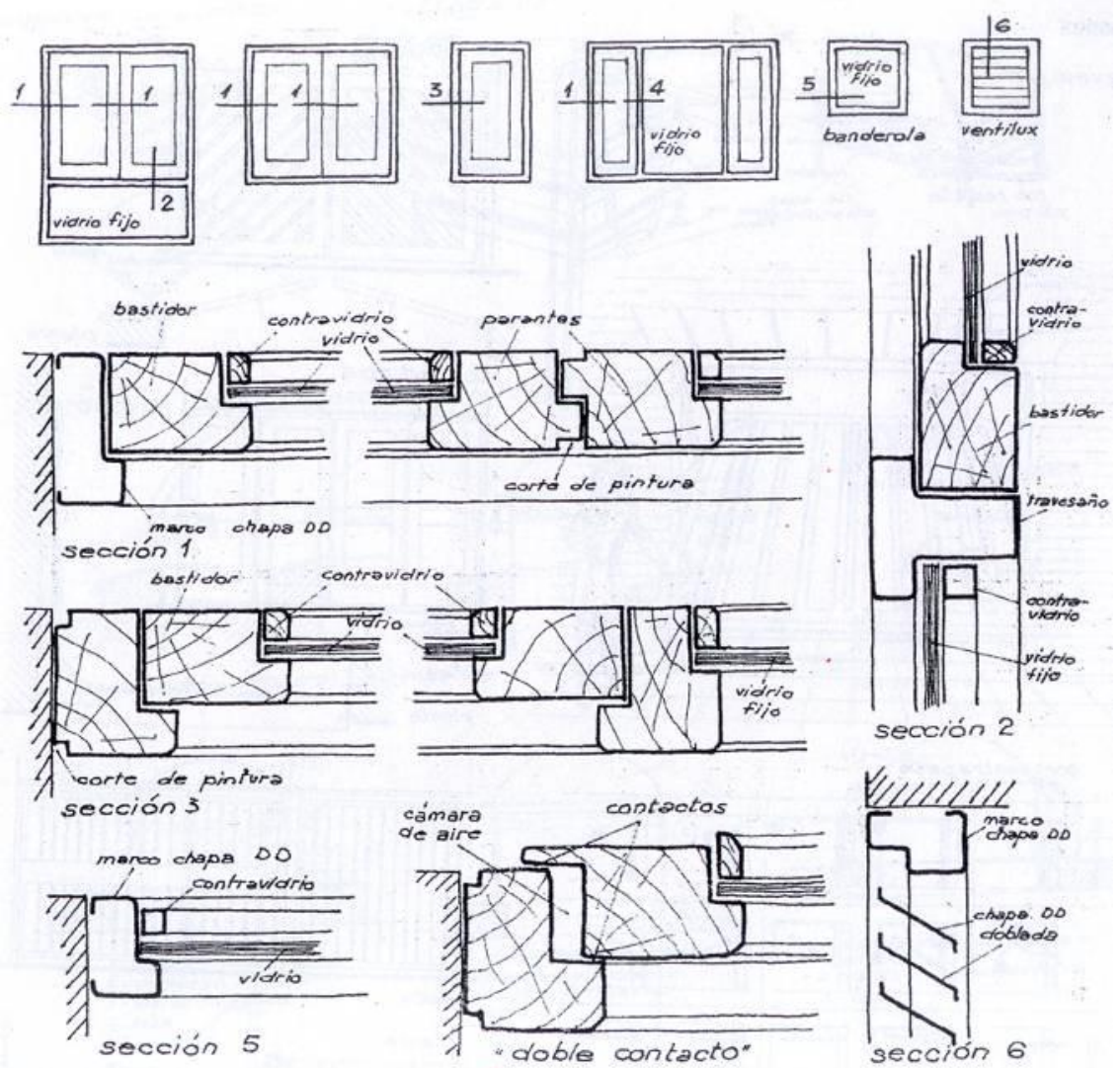


CARPINTERIA DE MADERA

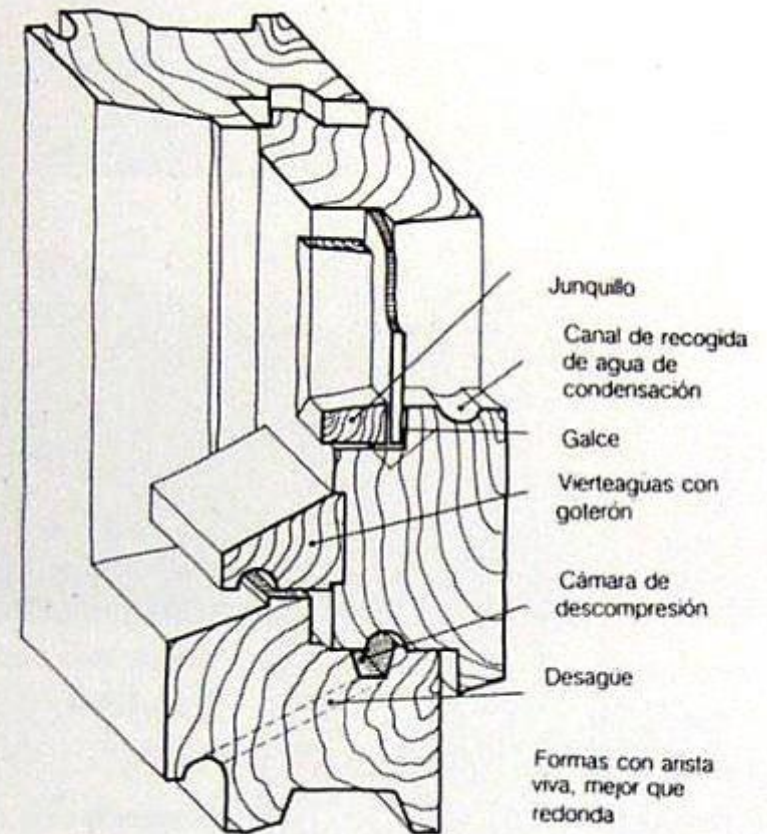
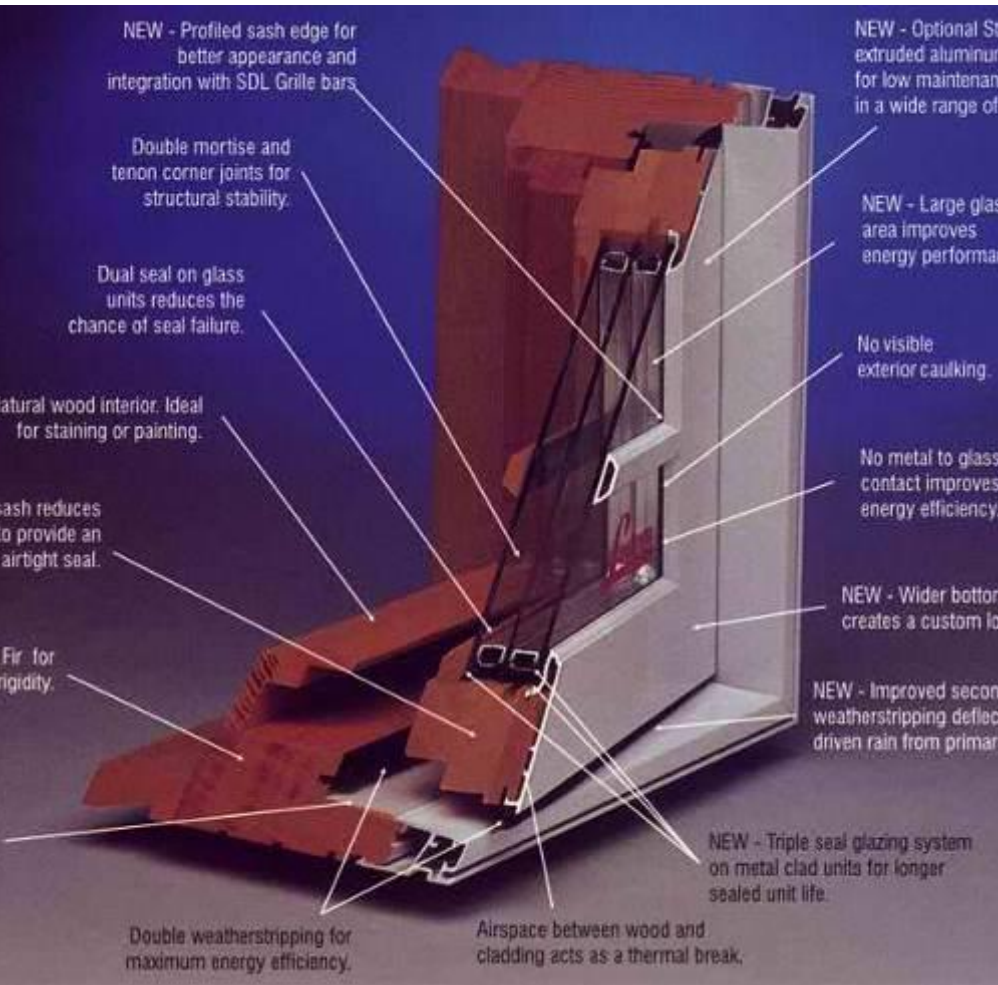
tipos de puertas

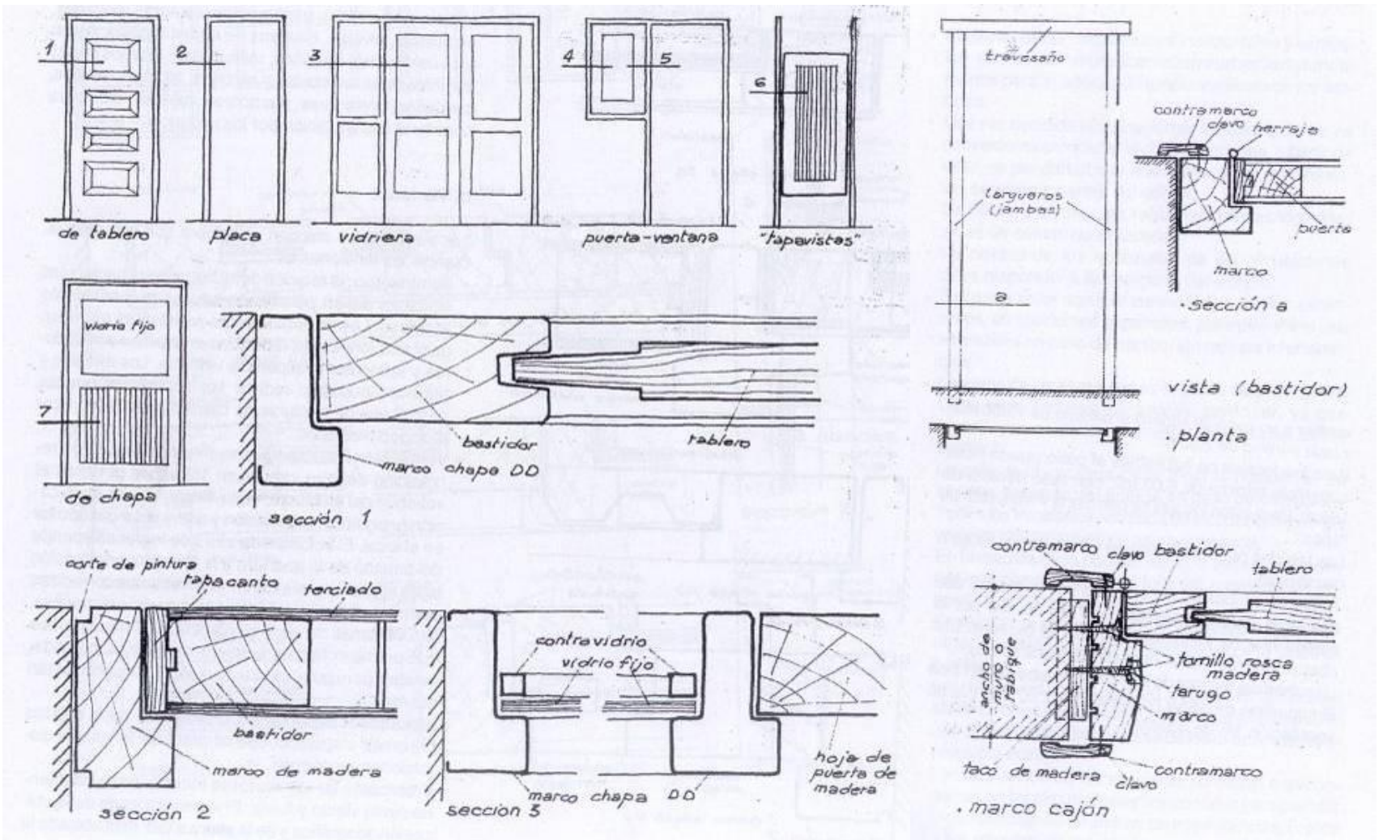


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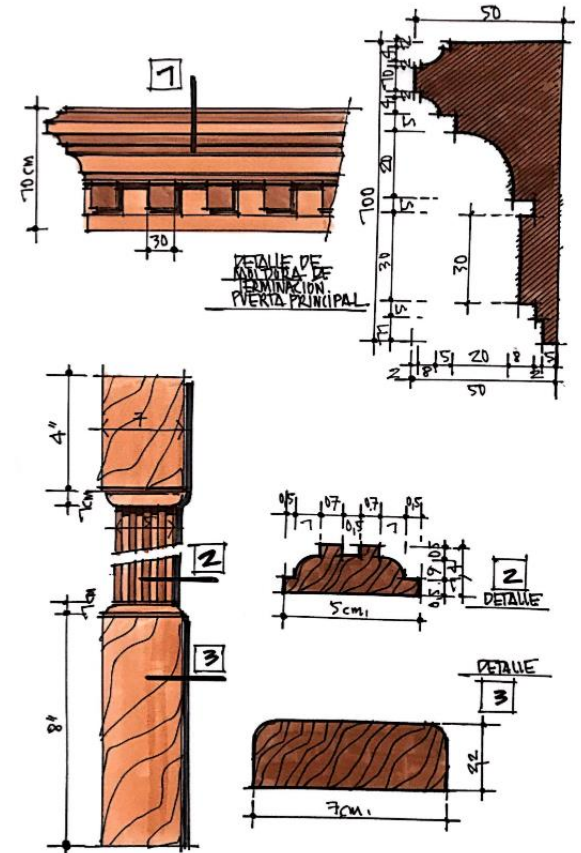
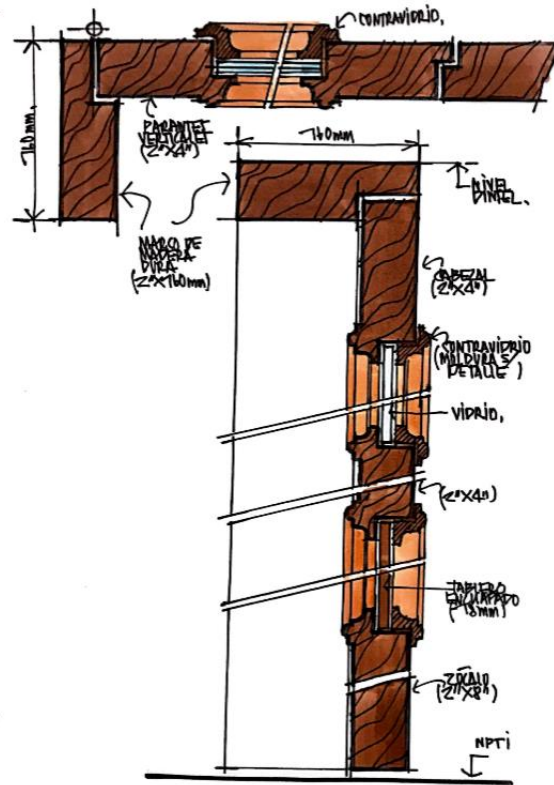
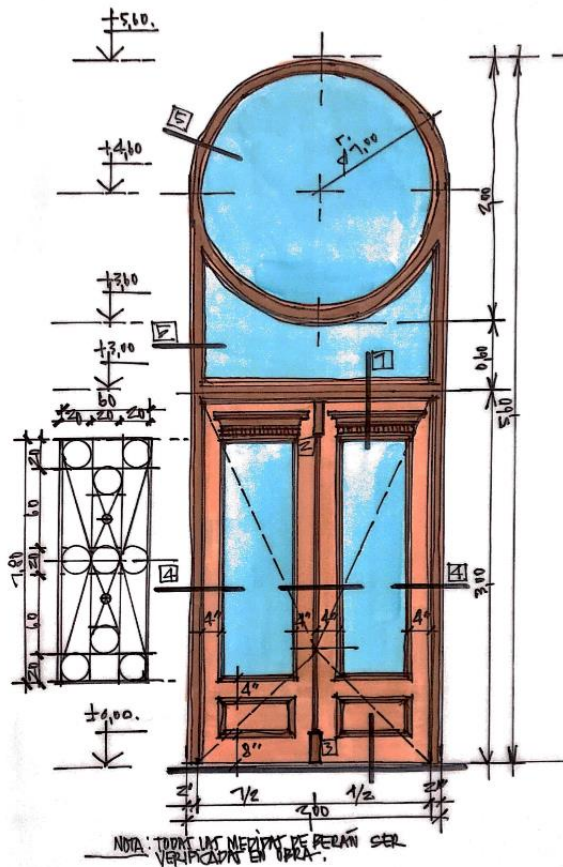


CARPINTERIA DE MADERA

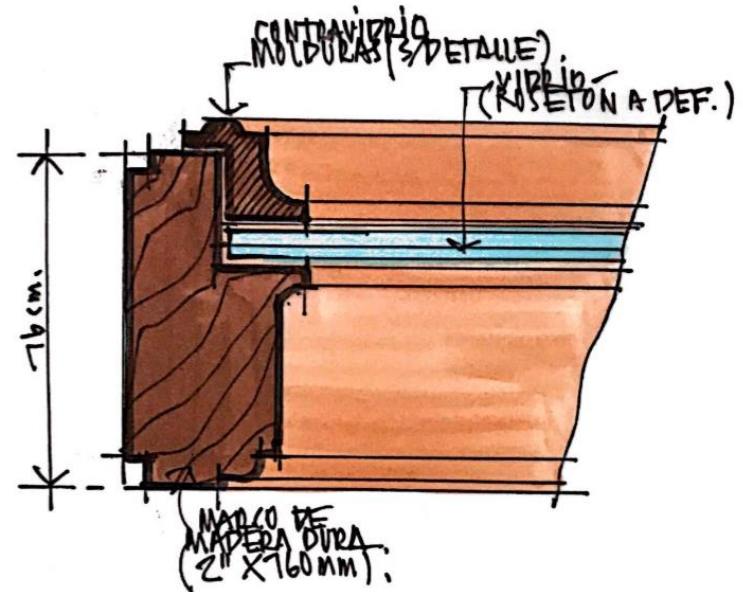
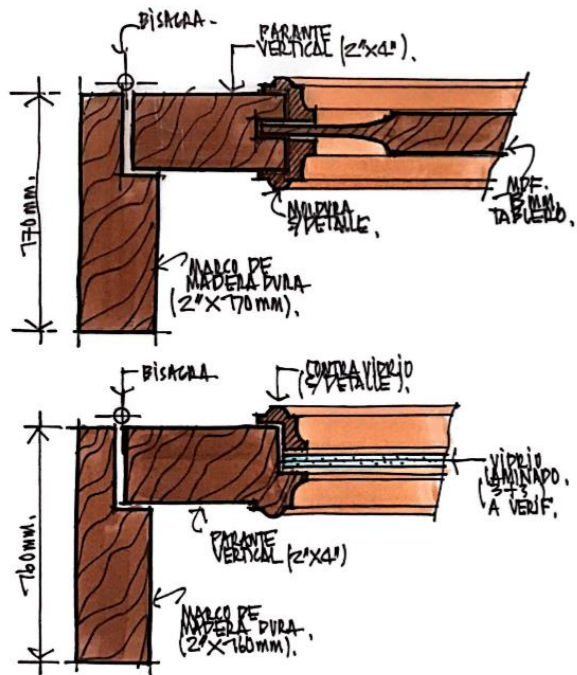




CARPINTERIA DE MADERA

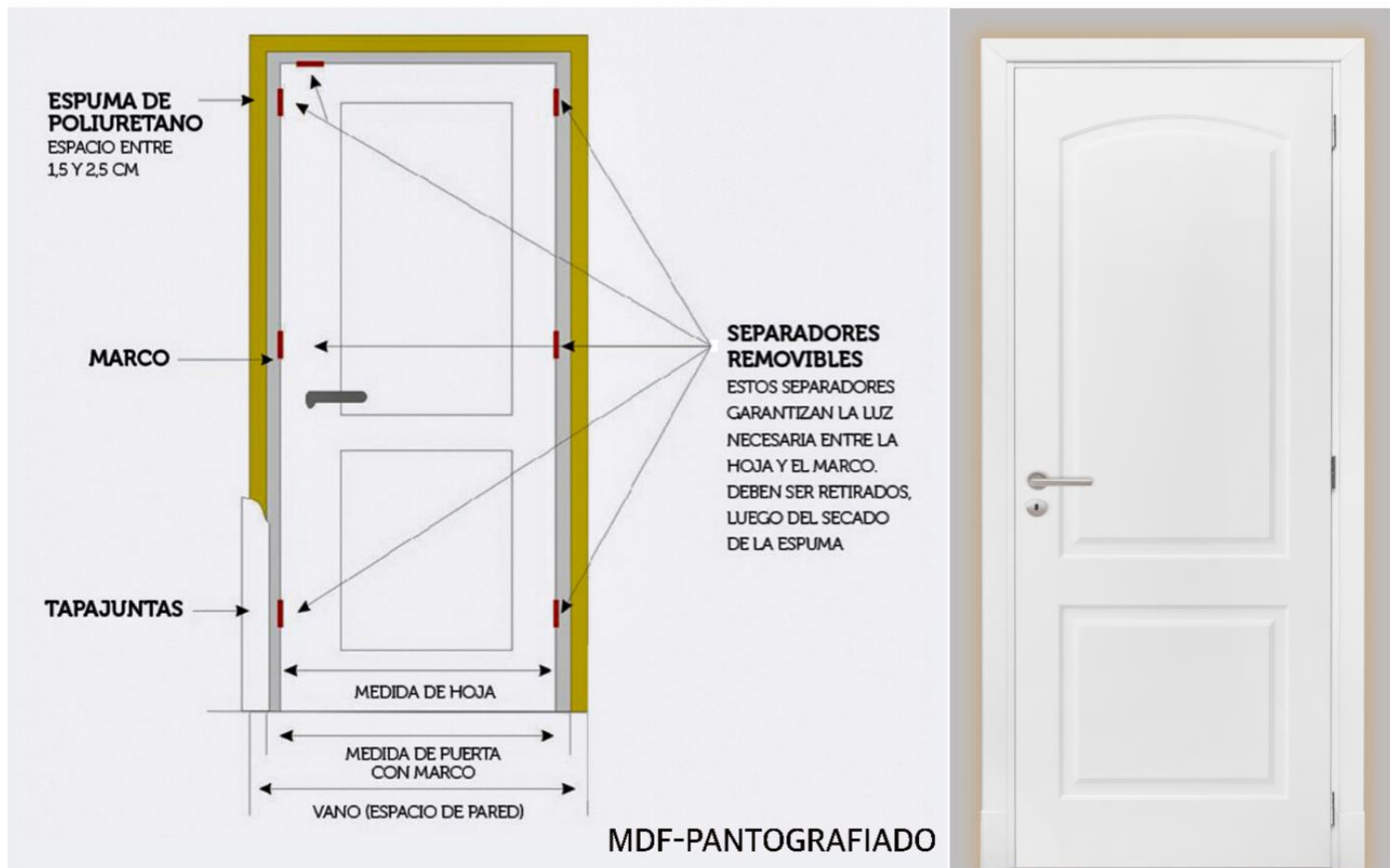


CARPINTERIA DE MADERA



detalles

CARPINTERÍA INTERIOR



CARPINTERIA INTERIOR



Puertas de interior

Espesor: 35mm

Burlete perimetral incluido: en marco Opera plus

Contramarco ajustable, ajuste de 20mm

Terminación:

para pintar

Hoja:

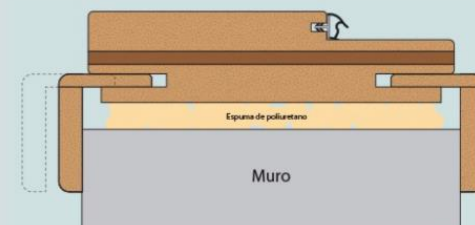
Espesor: 44mm

Mdf usado de 9-12mm

Bastidor: madera con vena de fuga

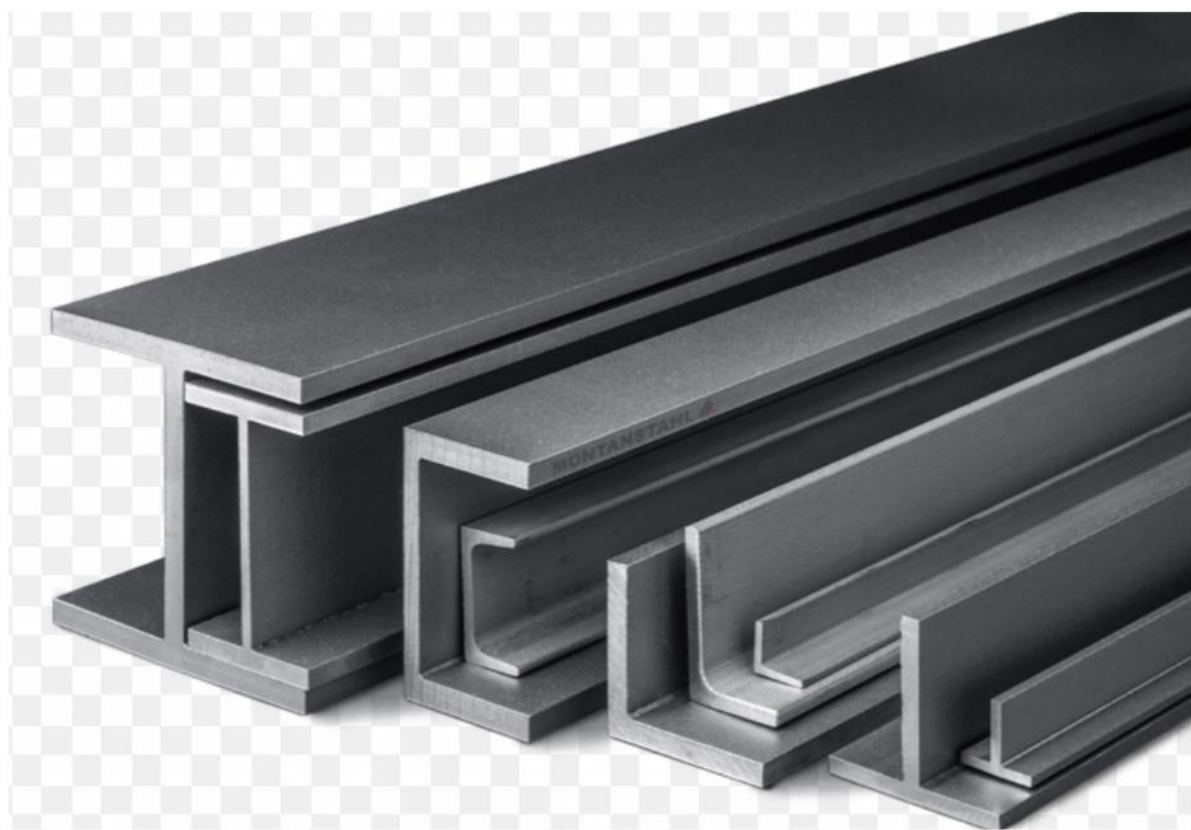
Pantografiado: ranura de 45mm

Relleno celulosico



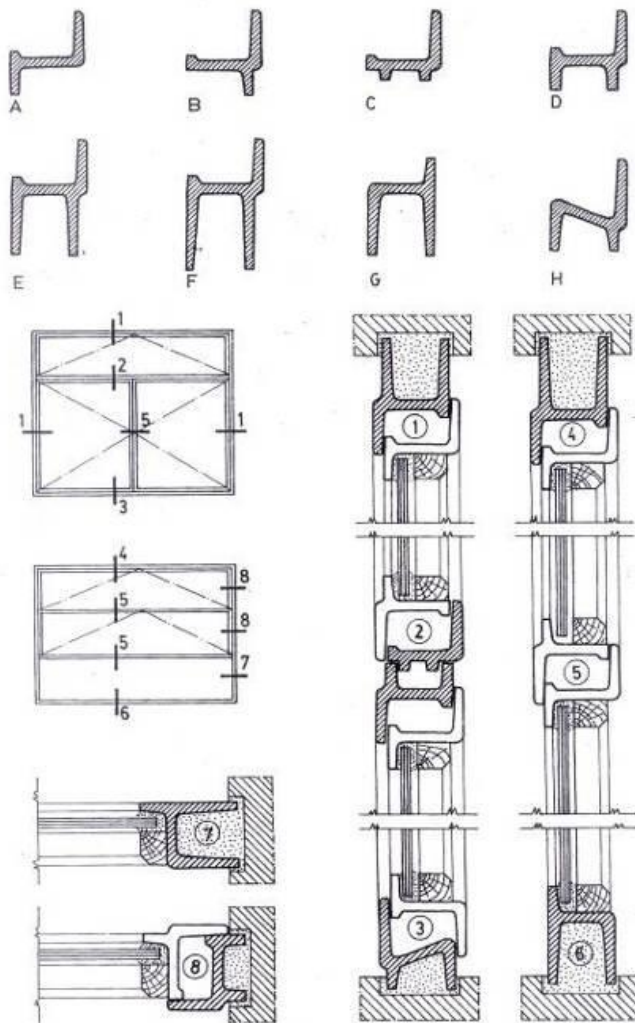
CARPINTERIA INTERIOR





CARPINTERIA DE PERFILES DE ACERO

CARPINTERIA DE PERFILES METALICOS



EB24

Silicone Capping

16mm Argon Filled Cavity

4mm Clear Float Glass
(Outer Pane)

4mm Softcoat Low 'E' Float
Glass (Inner Pane)

Aluminium Chamfered Glazing
Bead 'Easi Bead' System

Spacer Bar

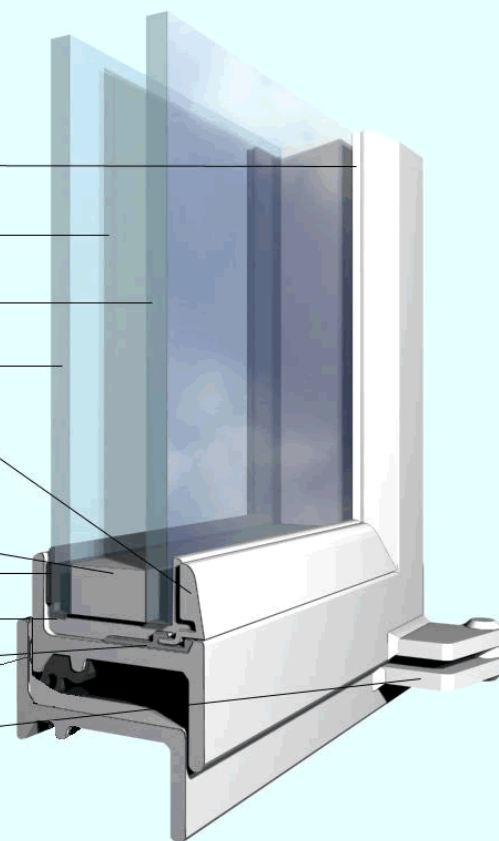
'Gasket'
Security Glazing Strip

Beads and D/G Units Bedded
in Silicone Mastic

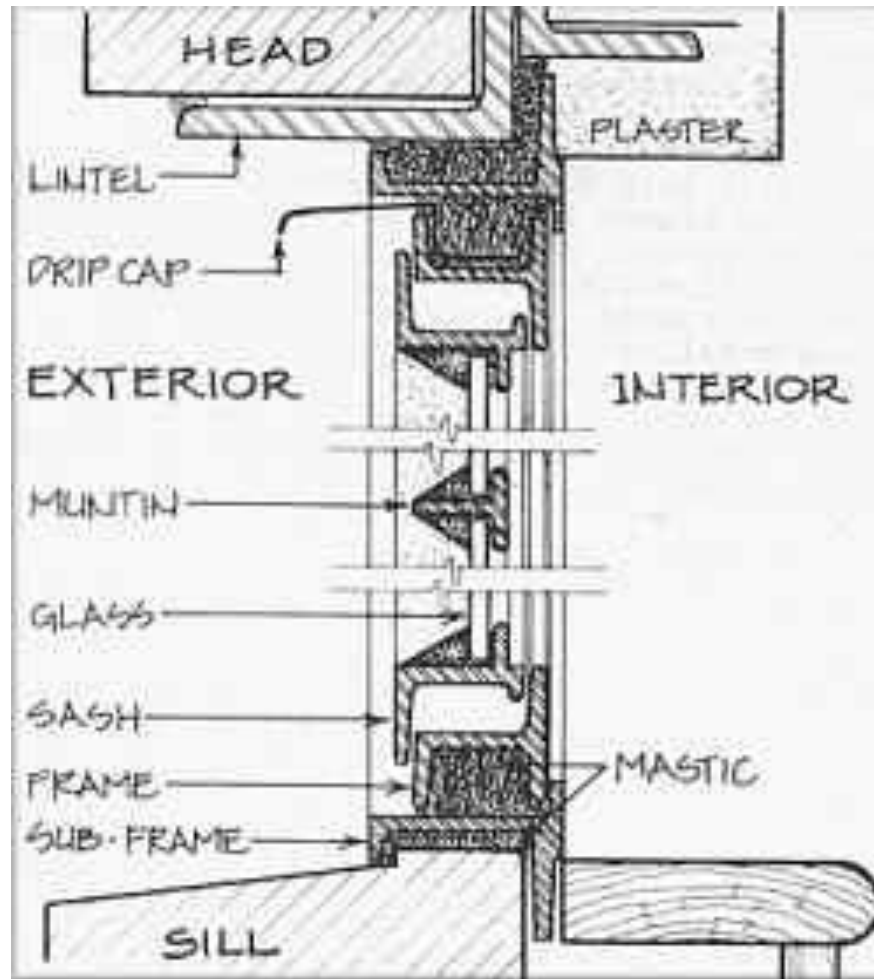
'EB' Clip

Weatherstripping

Pear Drop Hinges



CARPINTERIA DE PERFILES METALICOS





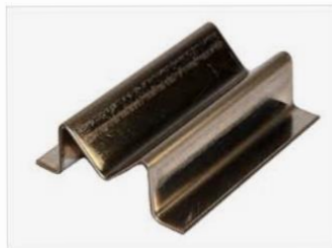
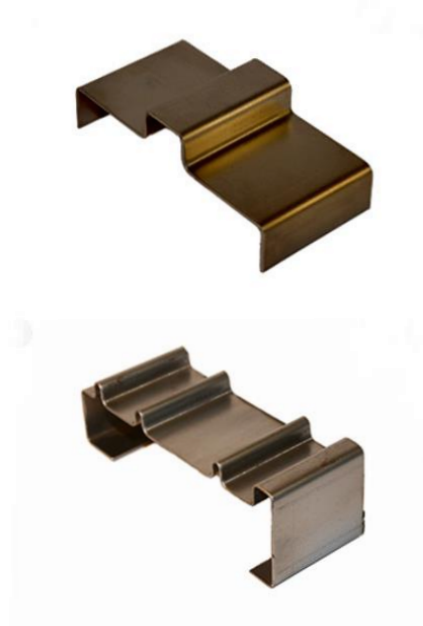
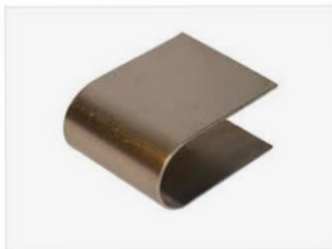
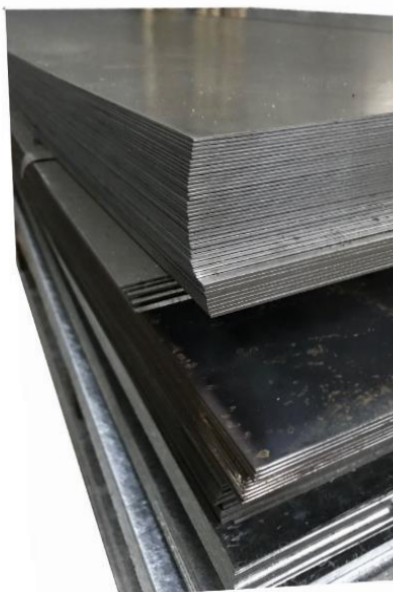
CARPINTERIA DE CHAPA PLEGADA

Carpintería de chapa doblada



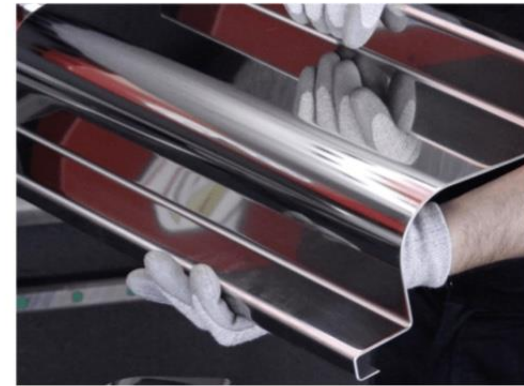
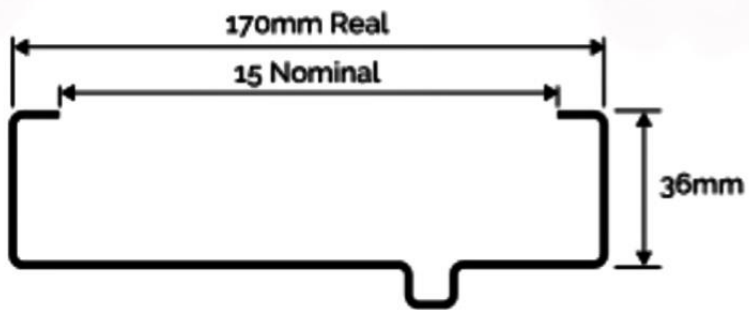
Mecanismo de plegado de chapas



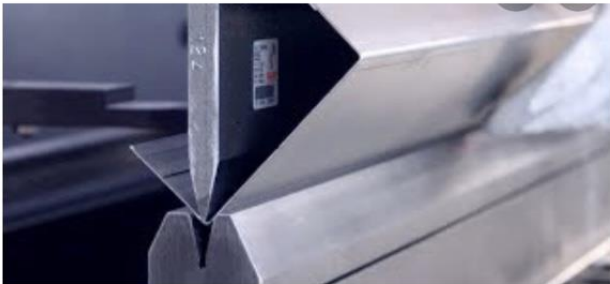


Carpintería de chapa doblada
(plegados)



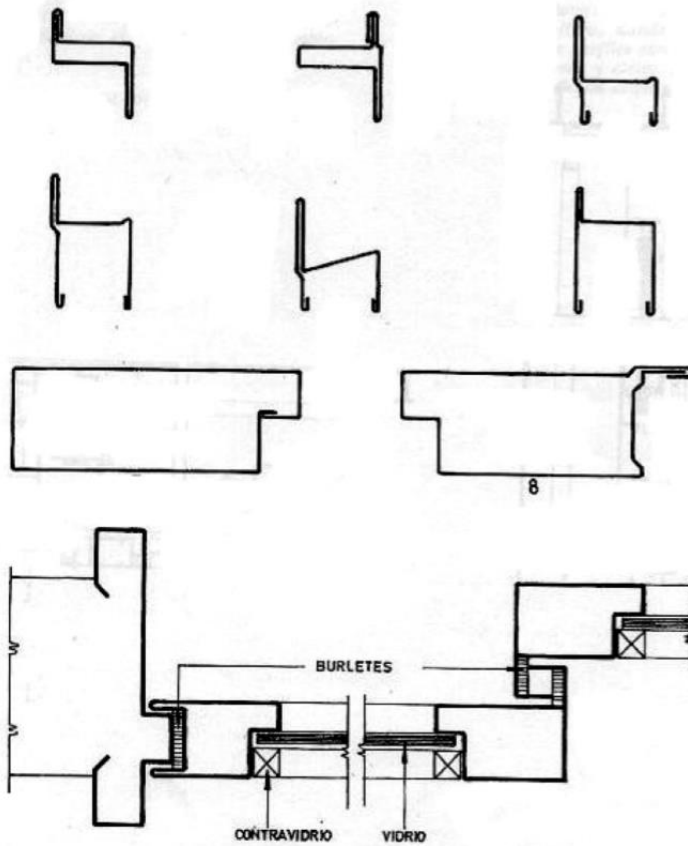


Carpintería de chapa doblada
(plegada)

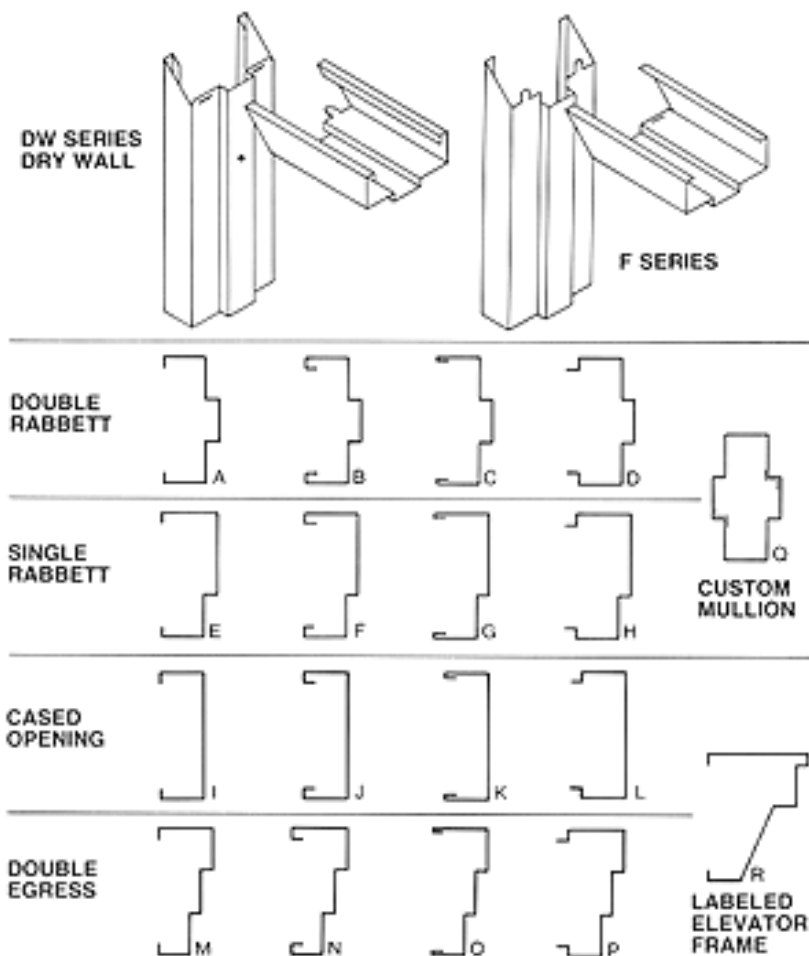
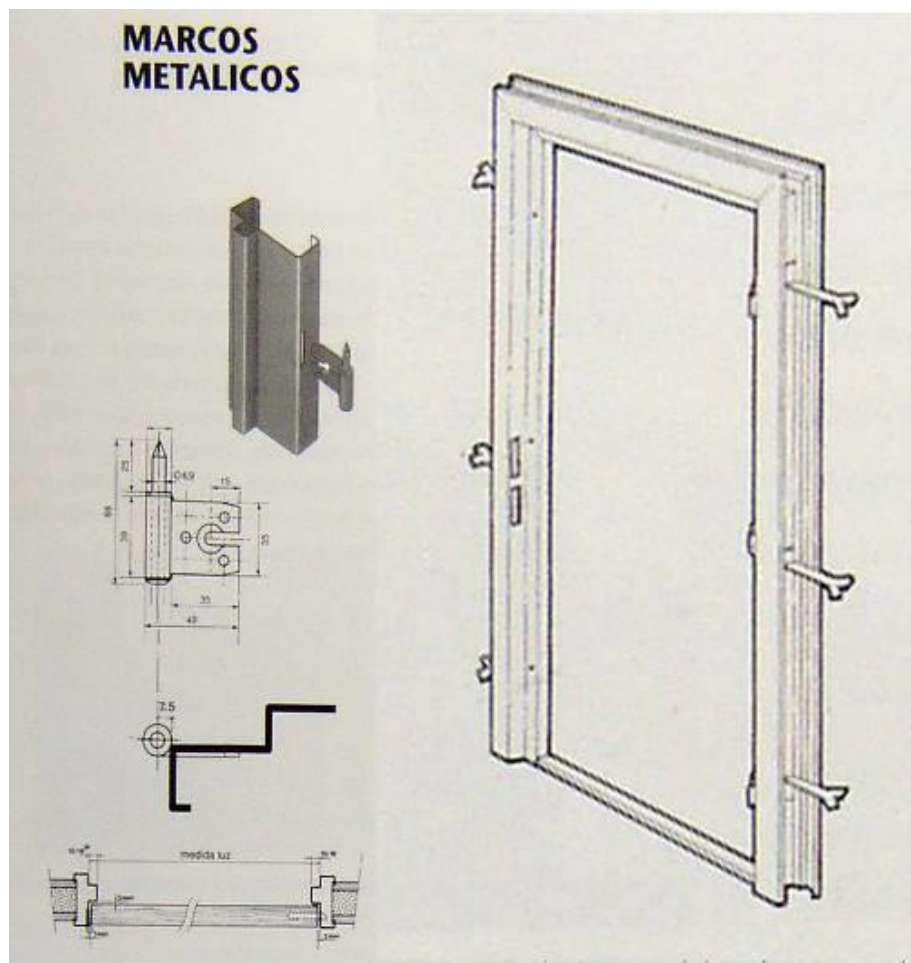


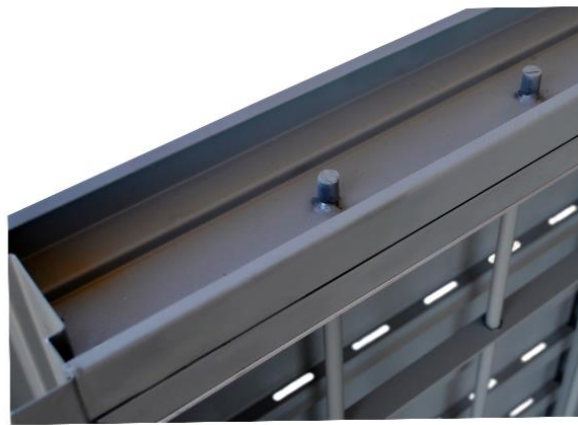
operaciones del proceso de producción -golpes-rolados-plegados

CARPINTERIA DE CHAPA PLEGADA



CARPINTERIA DE CHAPA PLEGADA





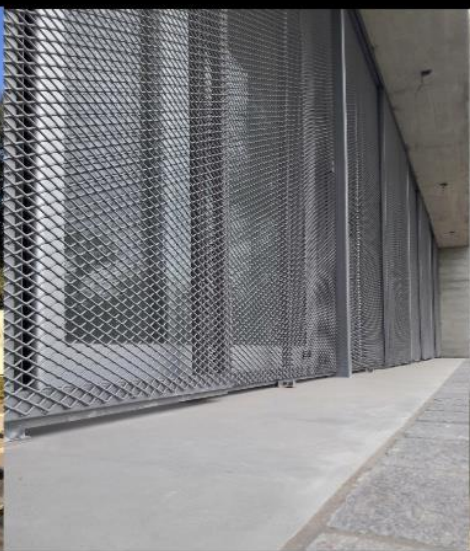
CARPITERIA DE CHAPA DOBLADA

puertas y portones



CARPINTERIA DE CHAPA DOBLADA

CERRAMIENTOS DE CHAPA-OPCIONES



CERRAMIENTOS DE CHAPA PLEGADA

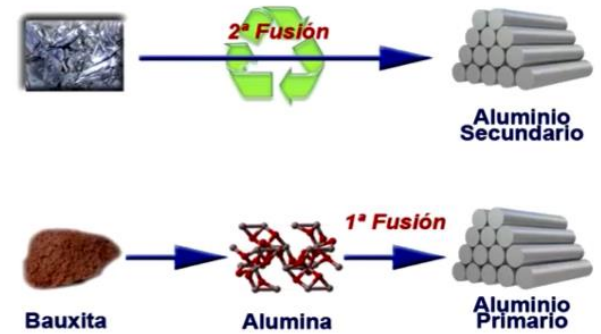




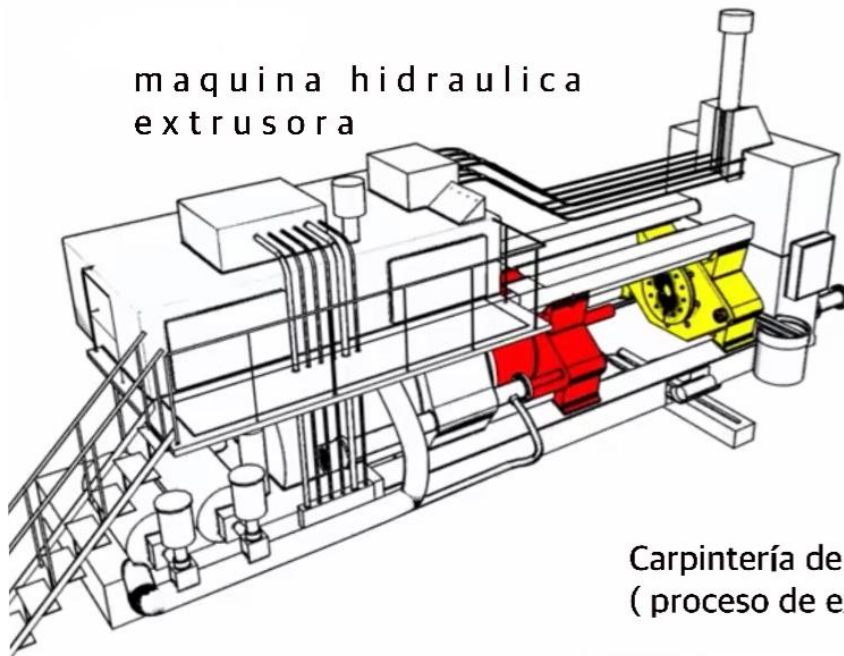
CARPINTERIA DE ALUMINIO



el material

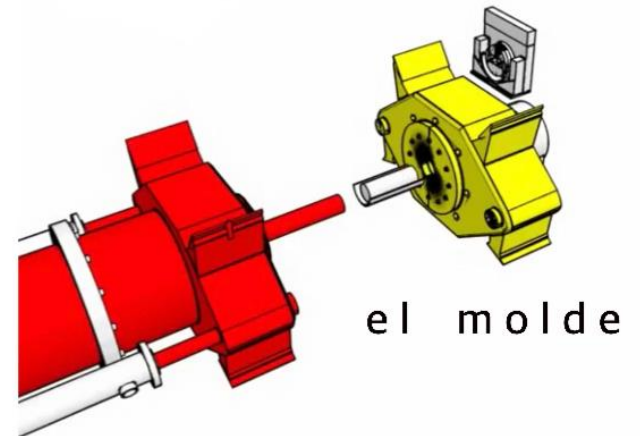


reciclado

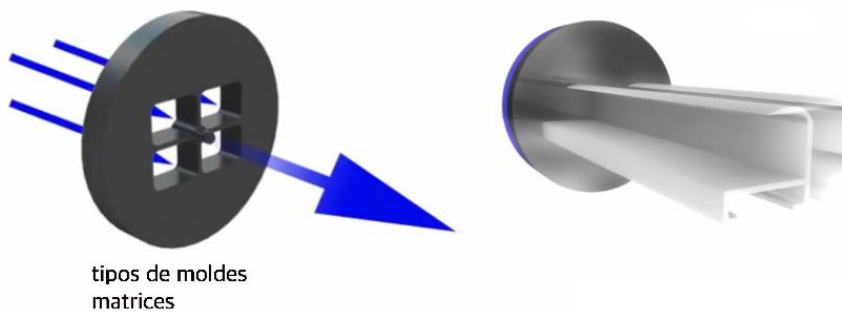


maquina hidraulica
extrusora

Carpintería de aluminio
(proceso de extruido)



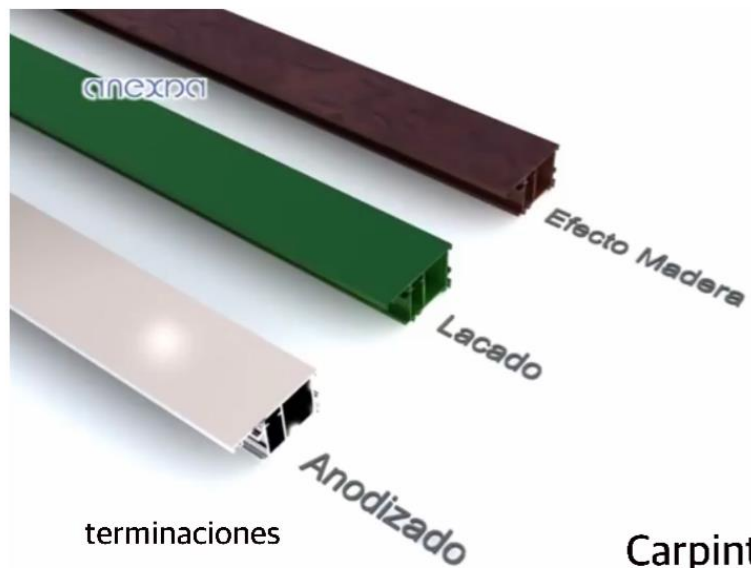
el molde



Matriz perfiles Huecos

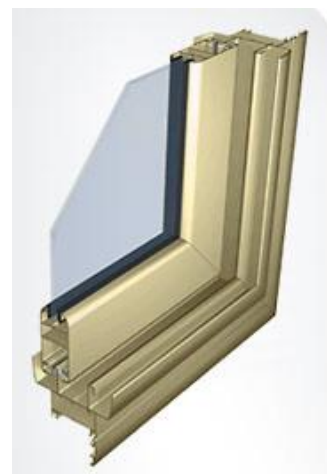
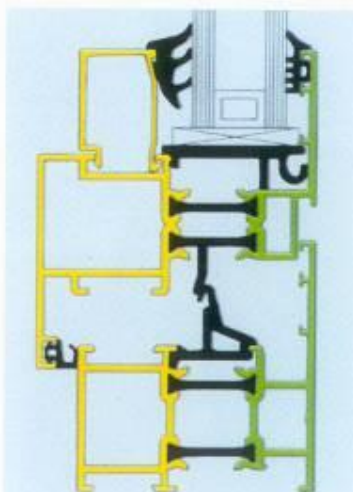
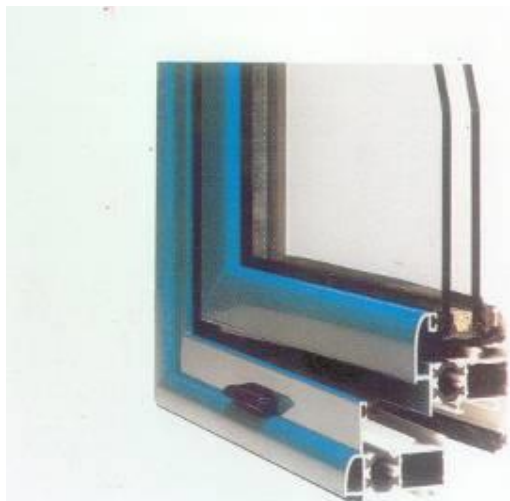


Matriz perfiles Macizos



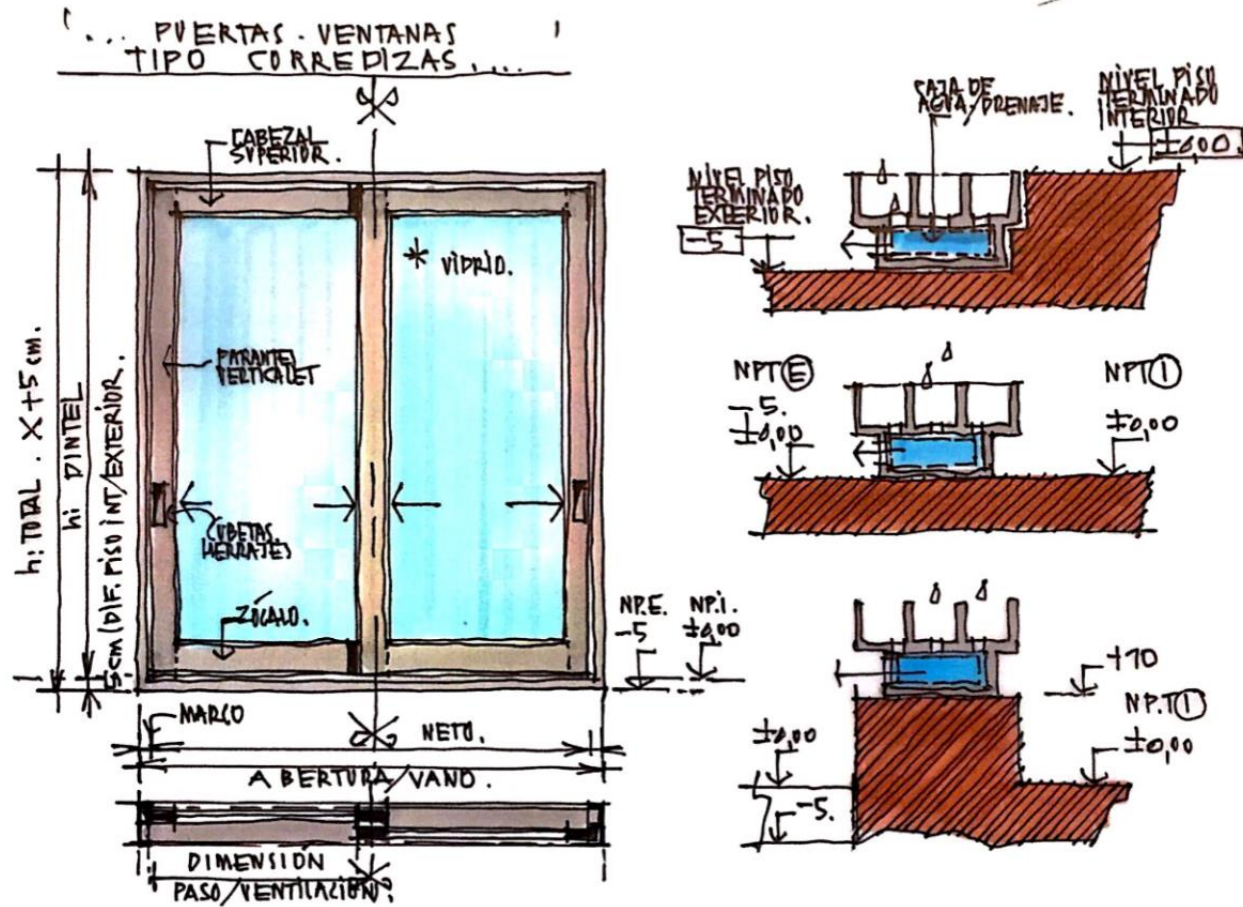
Carpintería de Aluminio
(extruidos)

CARPINTERIA DE PERFILES DE ALUMINIO



CARPINTERIA DE PERFILES DE ALUMINIO





A

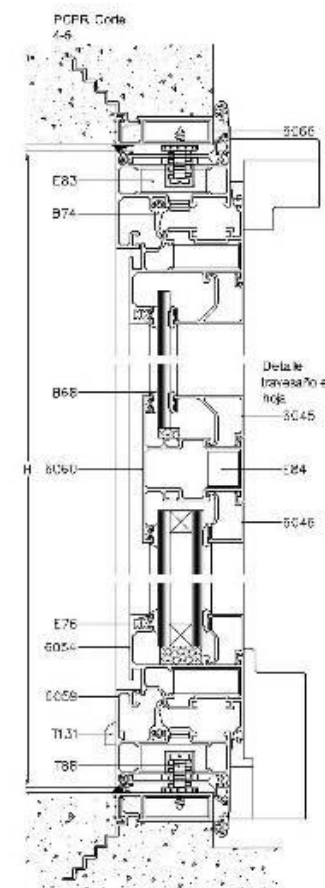
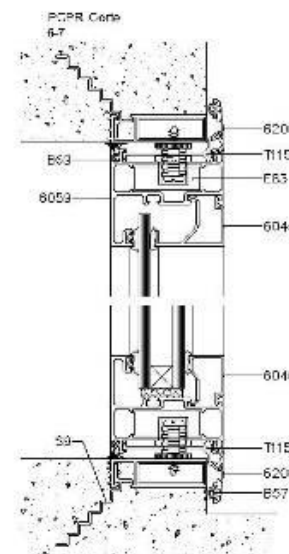
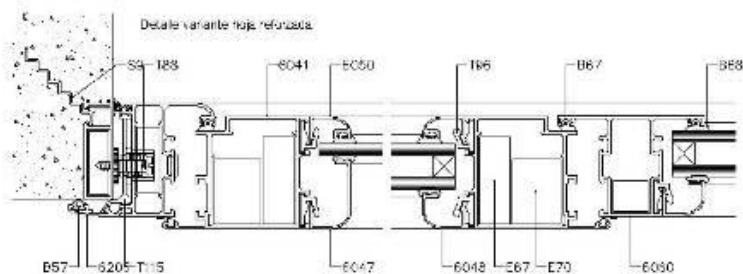
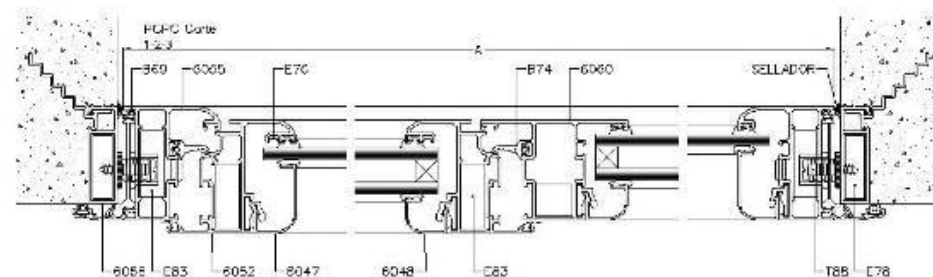
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C

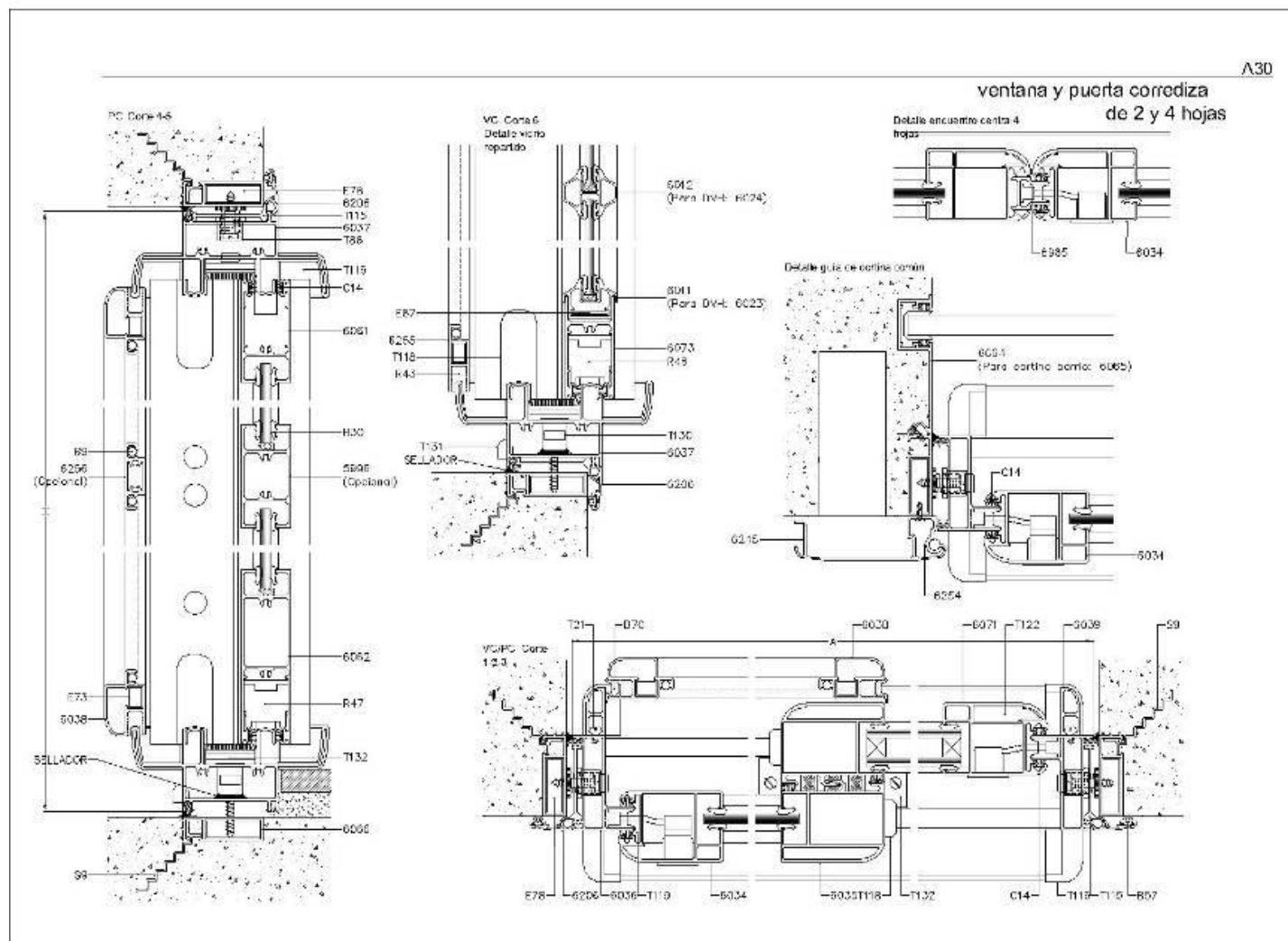
CARPINTERIA DE PERFILES DE ALUMINIO

A30

puerta corrediza paralela



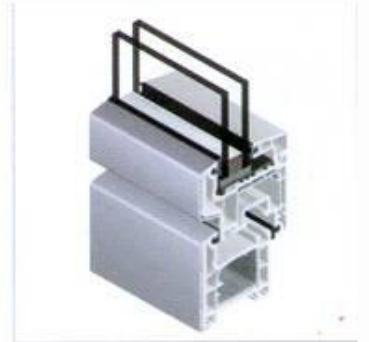
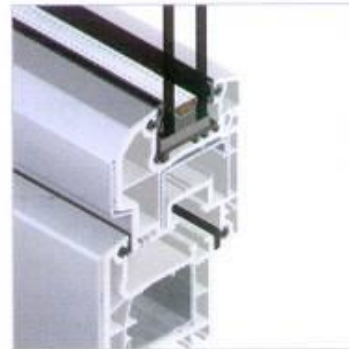
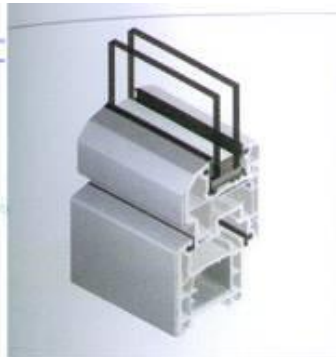
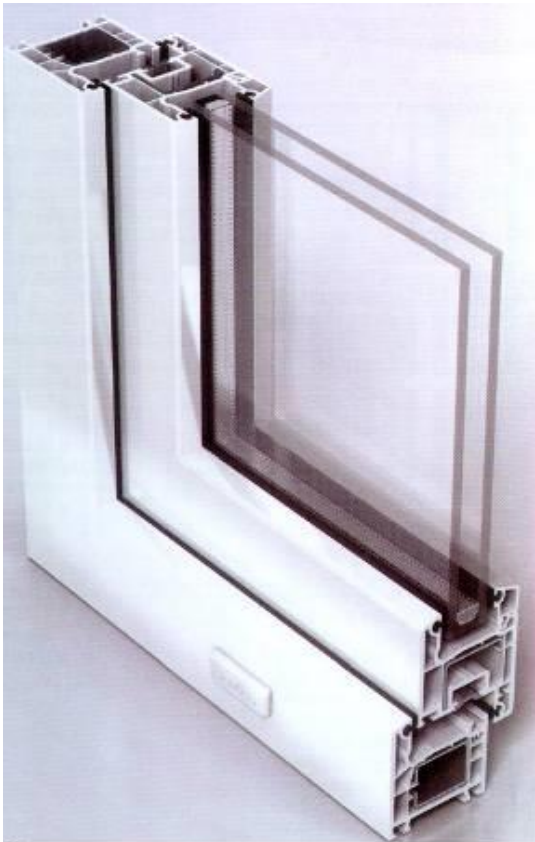
CARPINTERIA DE PERFILES DE ALUMINIO



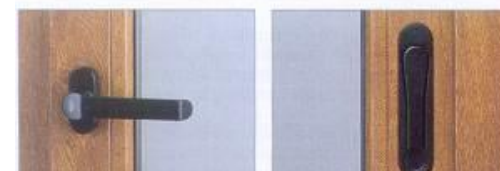
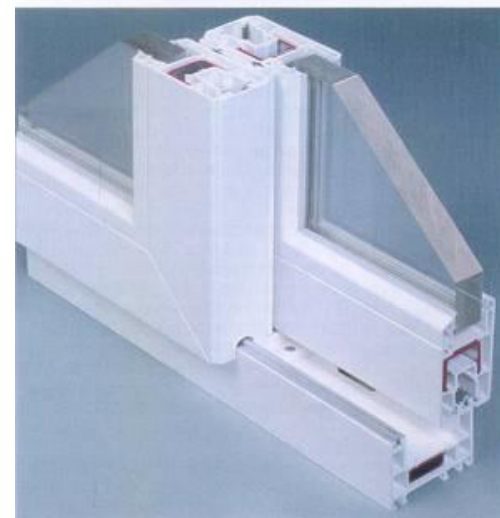


CARPINTERIA DE PERFILES DE PVC

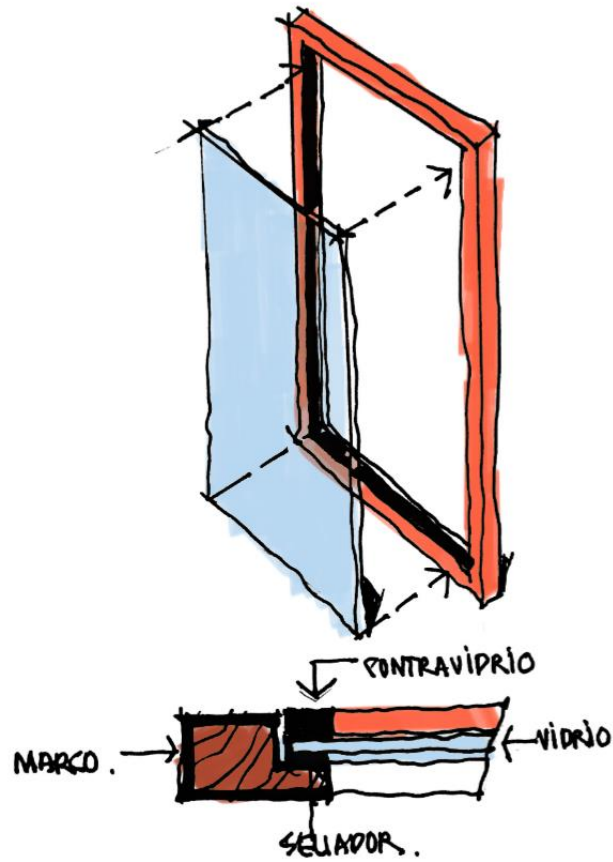
CARPINTERIA DE PERFILES DE PVC



CARPINTERIA DE PERFILES DE PVC

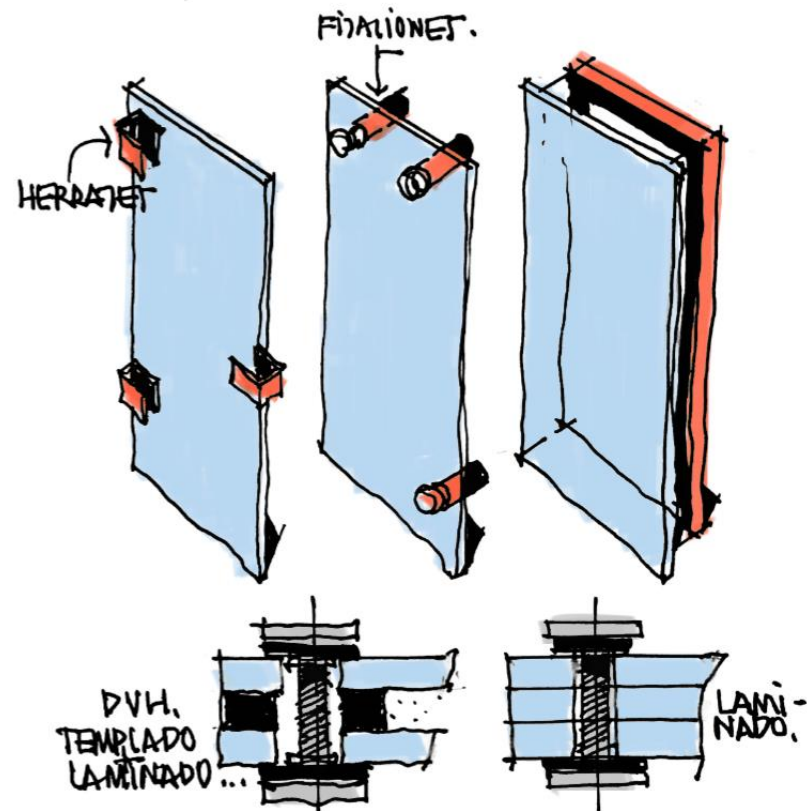


VIDRIOS SIMPLES (no portantes)



requieren de marco
bastidores para
su funcionamiento

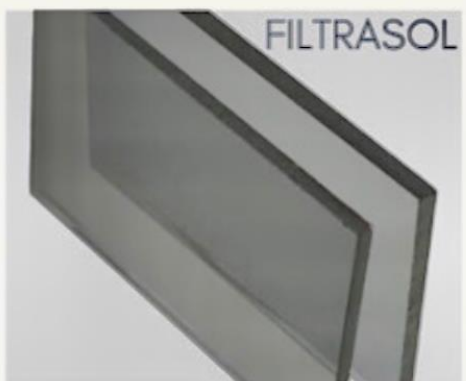
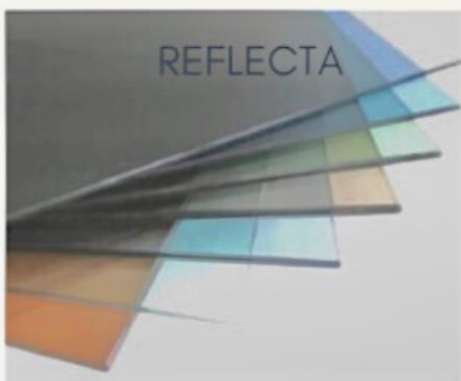
VIDRIOS AUTOPORTANTES



el mismo vidrio tiene la capacidad
de auto sostenerse, estructural

TECNOLOGIA DEL VIDRIO

(tipos)



TECNOLOGIA DEL VIDRIO

VIDRIO FLOAT

VIDRIO TEMPLADO

VIDRIOS TONALIZADOS

VIDRIO LAMINADO

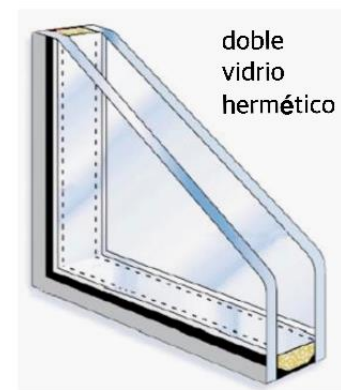
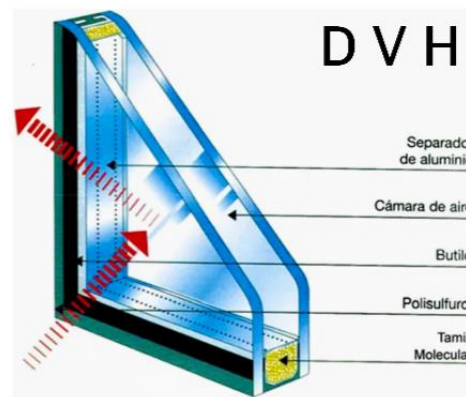
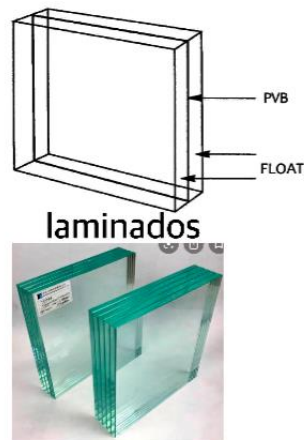
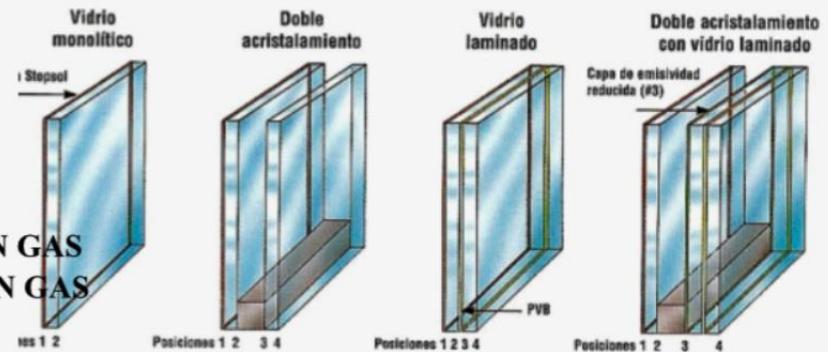
VIDRIOS CON LAMINA REFLECTIVA

VIDRIO CON BAJA EMISIVIDAD (LOW E)

DOBLE VIDRIADO HERMETICO AL VACIO O CON GAS

TRIPLE VIDRIADO HERMETICO AL VACIO O CON GAS

VIDRIOS ELECTRO CROMATICOS



TECNOLOGIA DEL VIDRIO

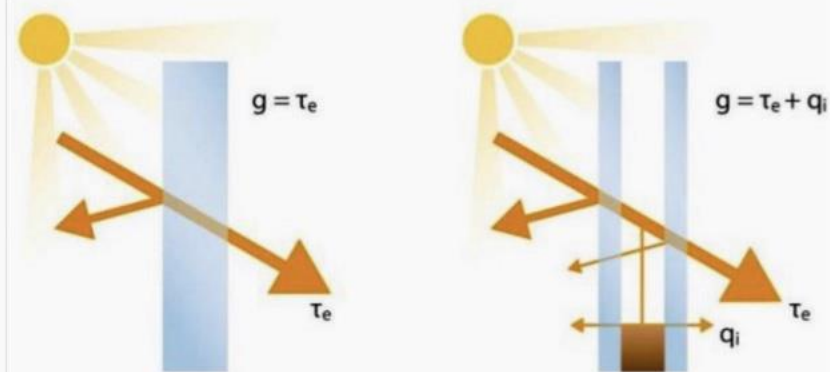


Fig. 07 - Factor solar g para vidrios simples o aislantes.

- 1- Marco módulo fachada fotovoltaica.
- 2- Sellador.
- 3- Vidrio templado.
- 4- Film EVA (acetato de vinilo).
- 5- Celdas fotovoltaicas.

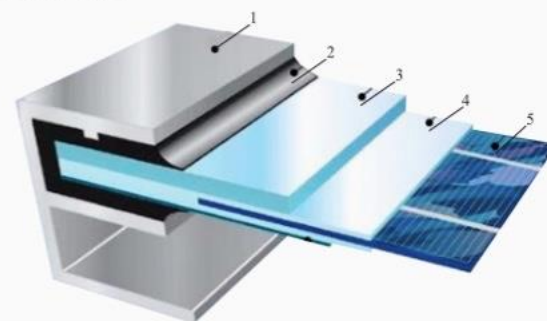


Fig. 09 - Detalle panel fotovoltaico con componentes.

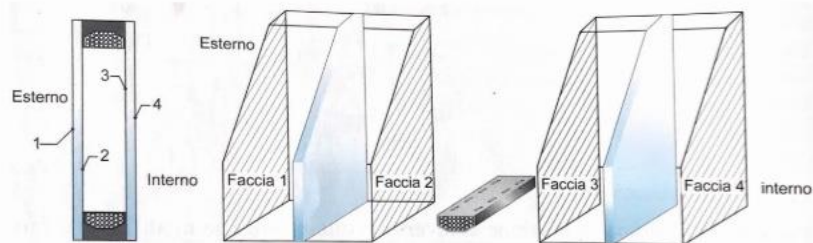


Fig. 10 - Esquematización de la numeración convencional de las caras de un vidrio aislante.

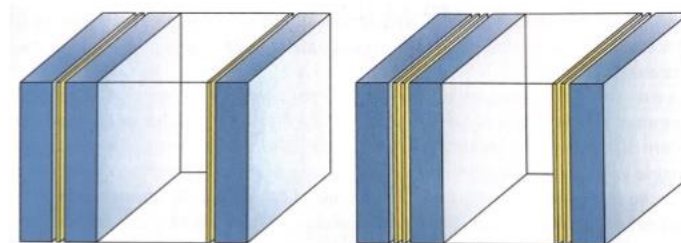
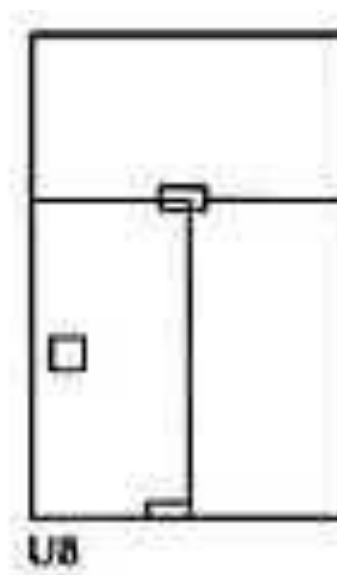
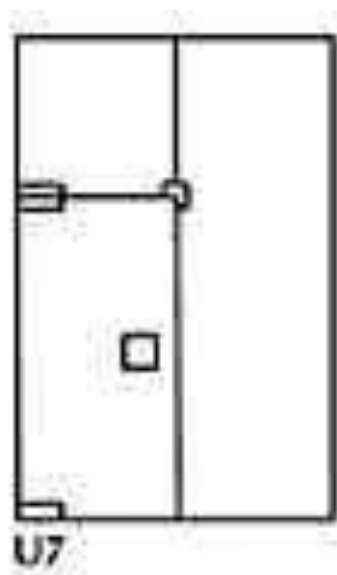
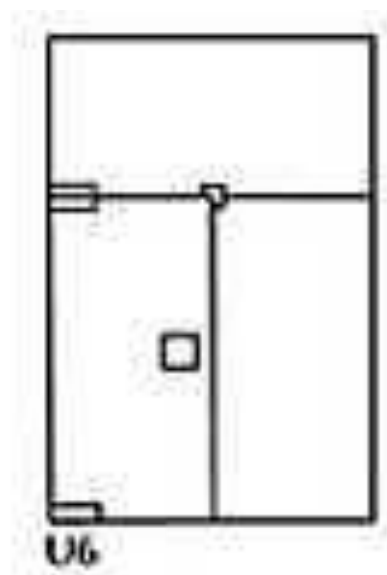
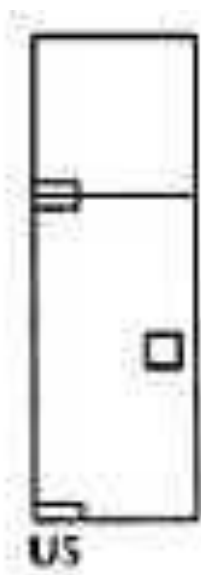
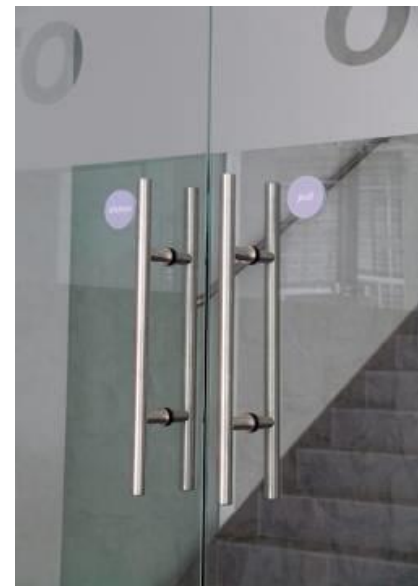


Fig. 12 - Esquema general de vidrios laminados.

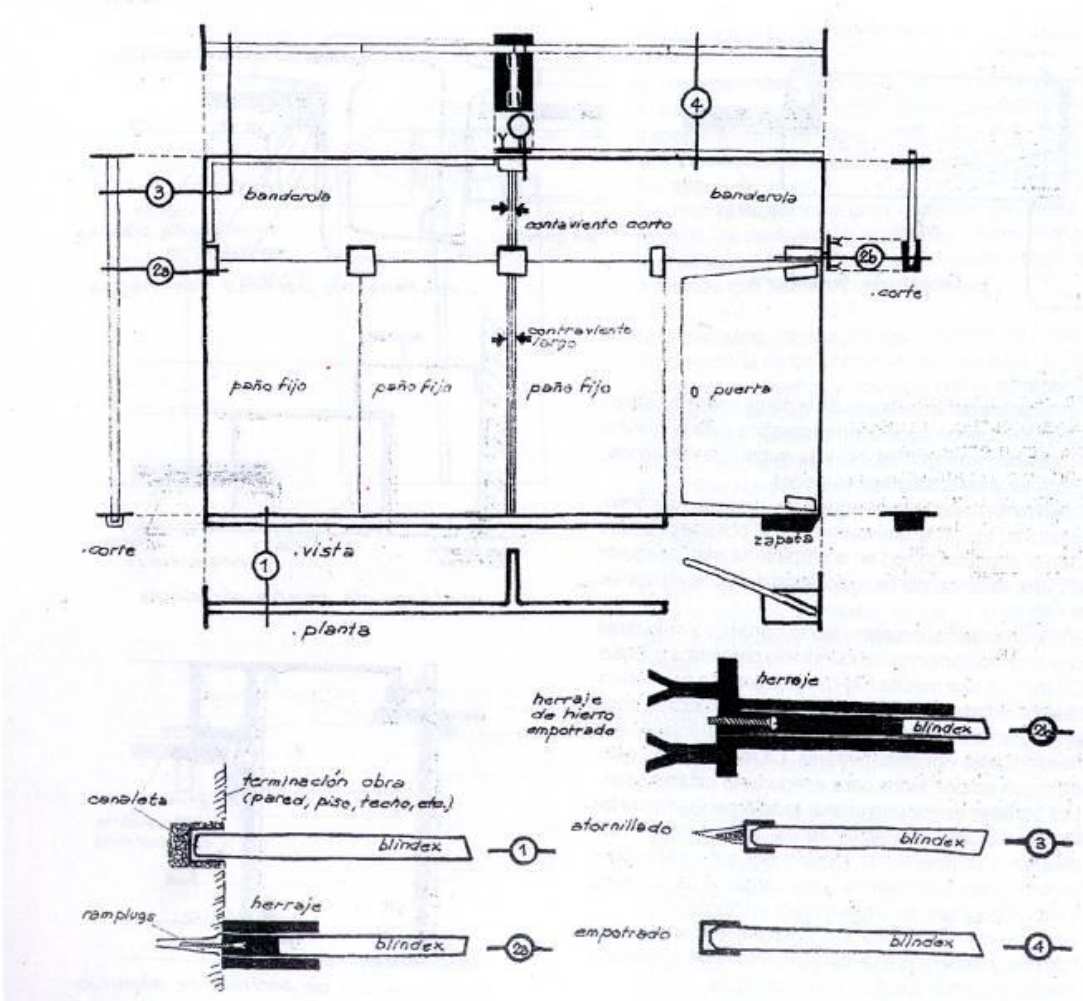


VIDRIO AUTOPORTANTE
(templado - laminado)

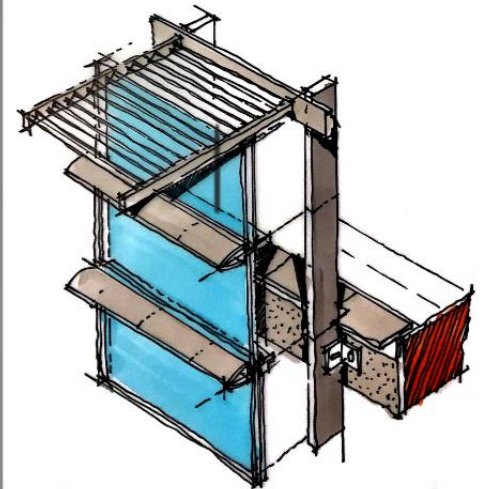
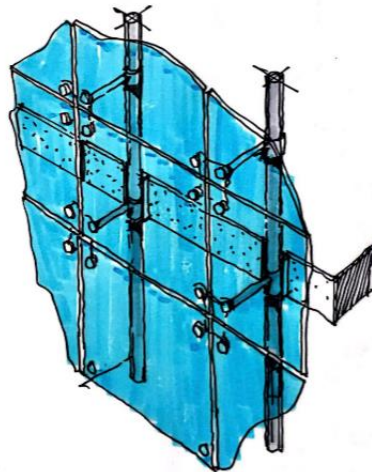
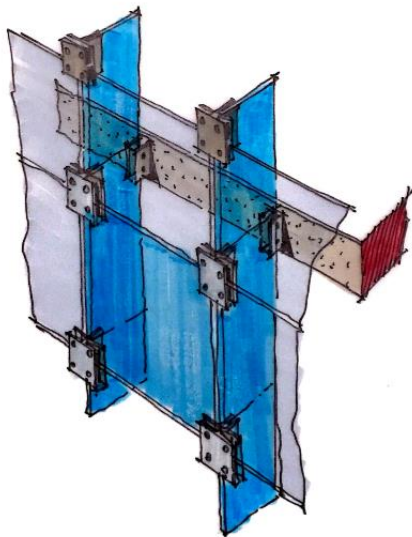
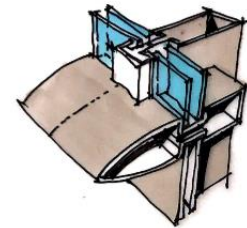
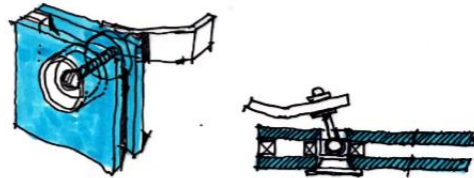
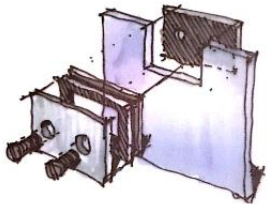
CARPINTERIA DE VIDRIO BLINDEX

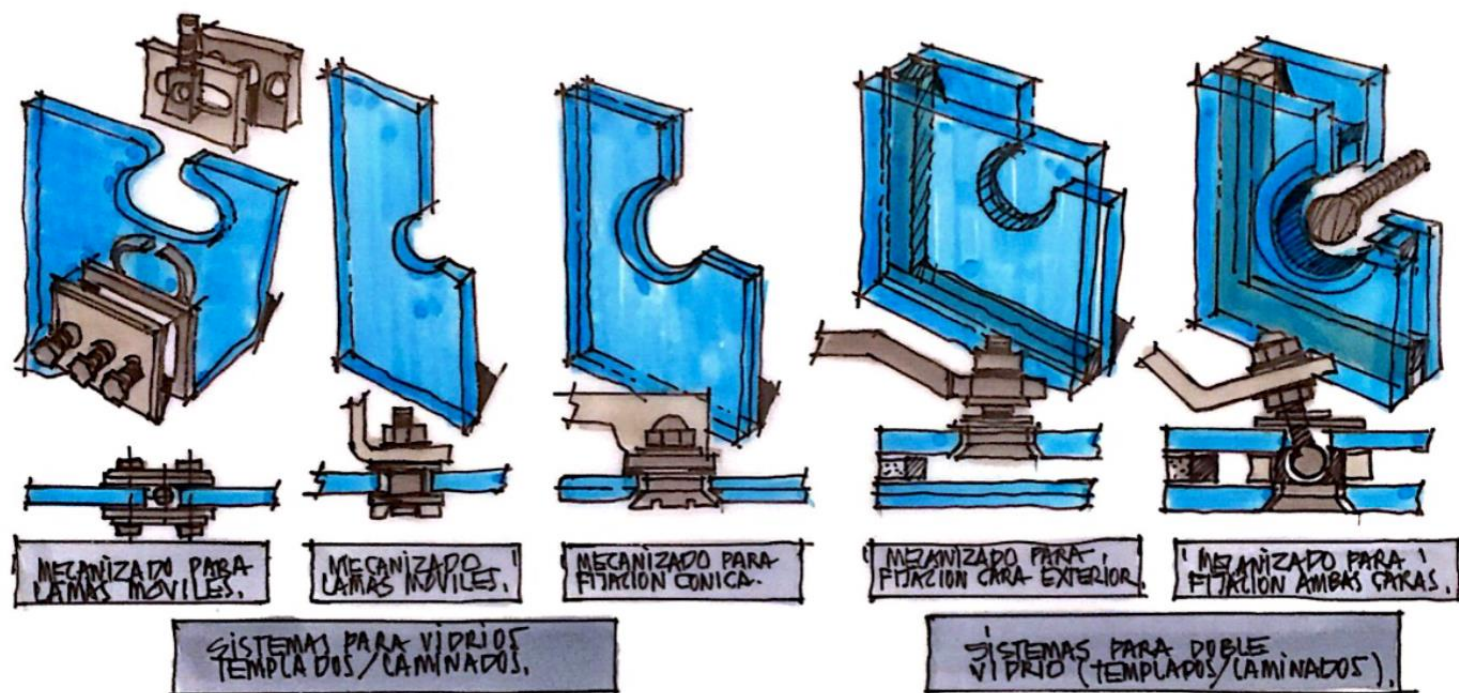


CARPINTERIA DE VIDRIO BLINDEX



SISTEMAS INTEGRALES DE CARPINTERIAS



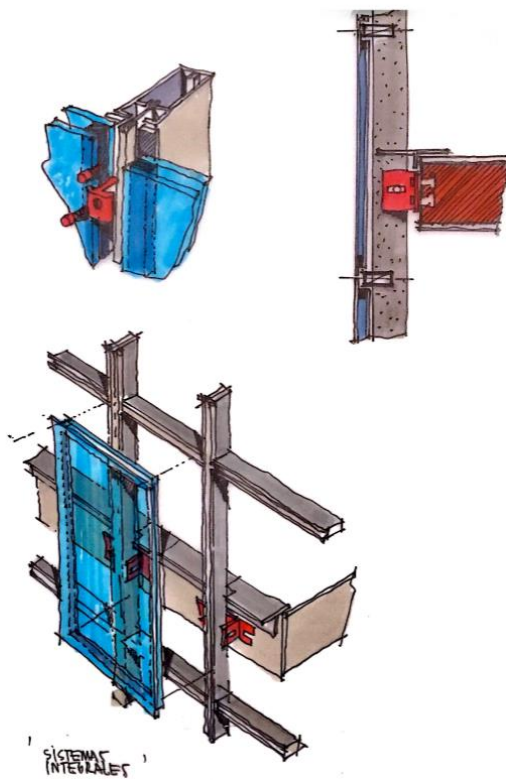
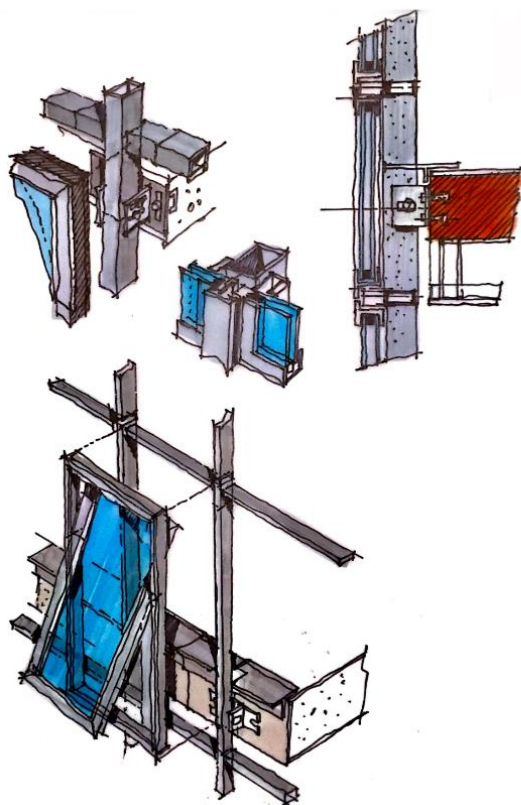


SISTEMAS - ANCLAJES/ FIJACIONES DE VIDRIOS

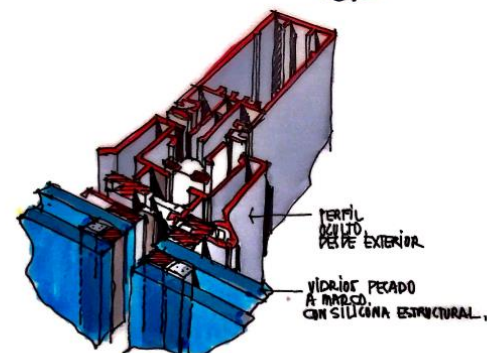
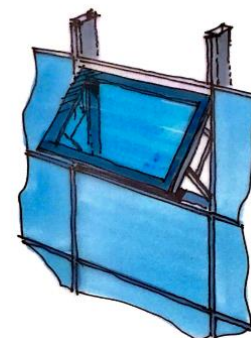
MURO CORTINA

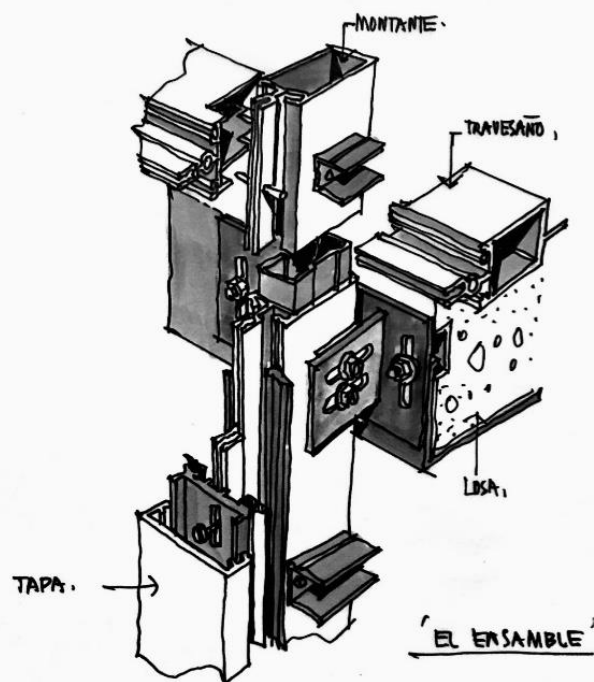


SISTEMAS INTEGRALES DE CARPINTERIAS

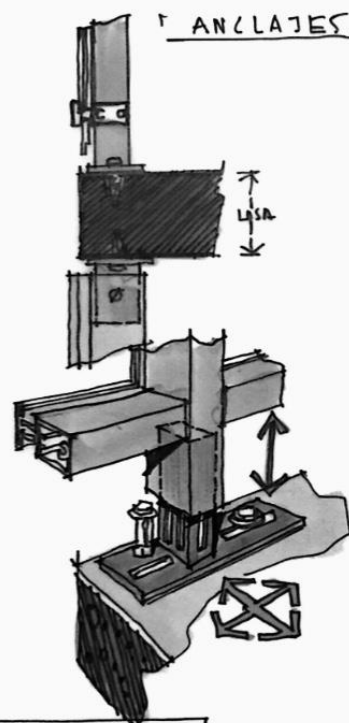


VENTANA DESLIZ/PROYECTANTE,
MURO CORTINA.

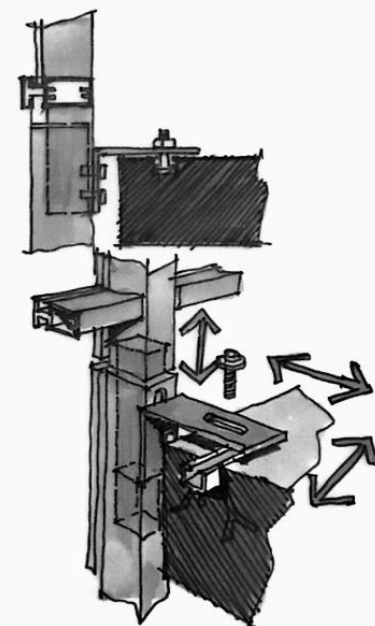




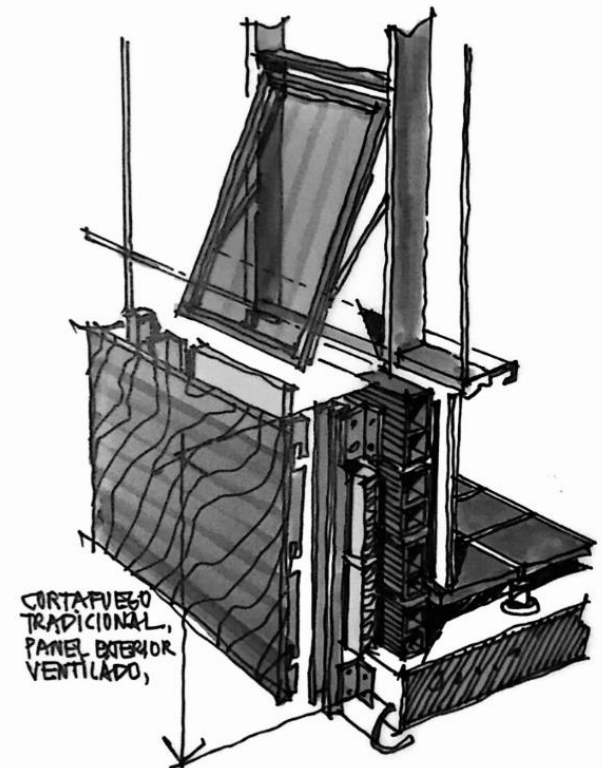
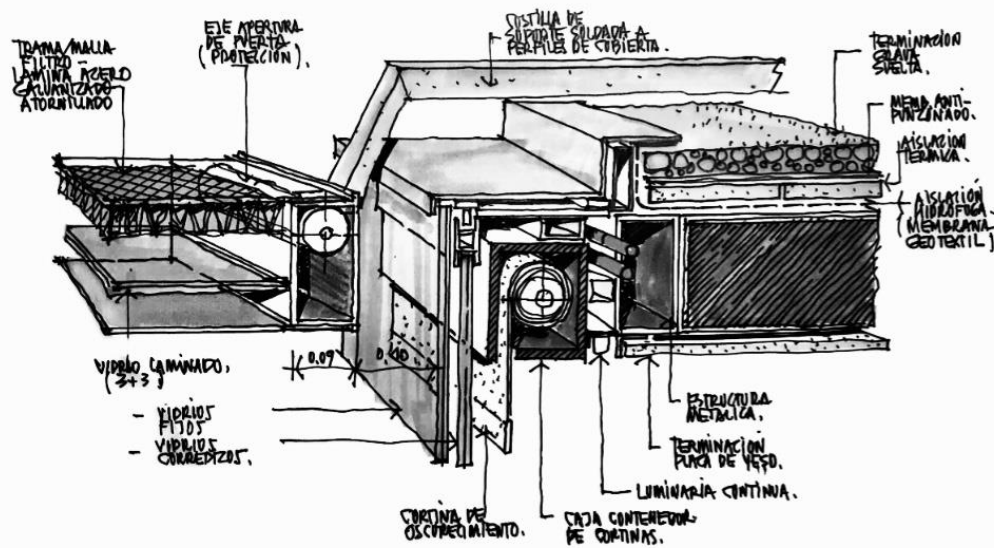
DETALLE DE ANCLAJE A LOSA,
(LATERAL).
UNION MONTANTE/TRAVESANO,



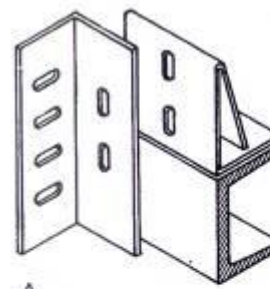
ANCLAJES/SISTEMAS



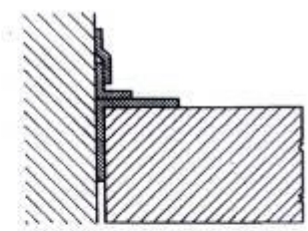
PARAPETO IGNIFUGO.



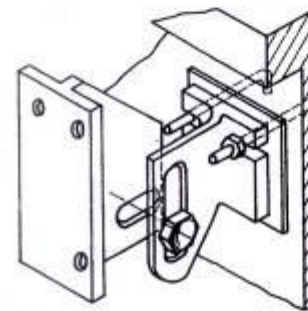
MUROS CORTINA



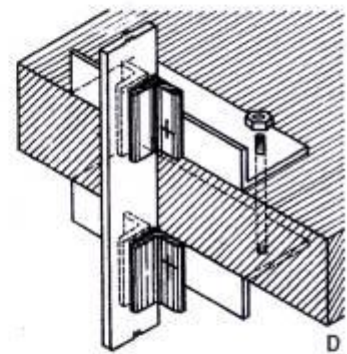
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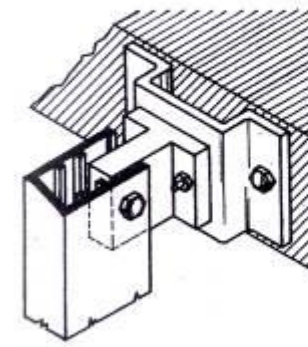
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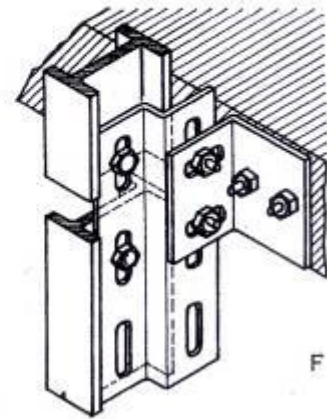
C



D

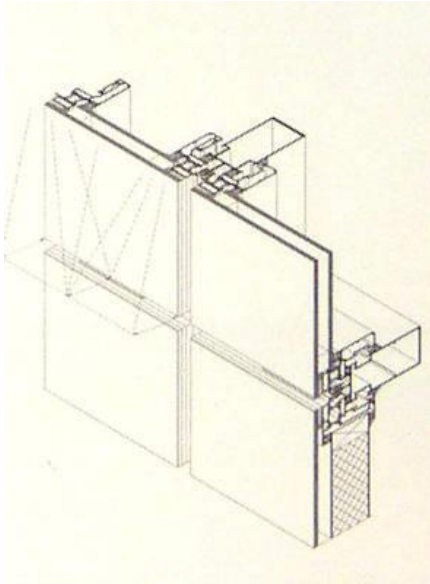


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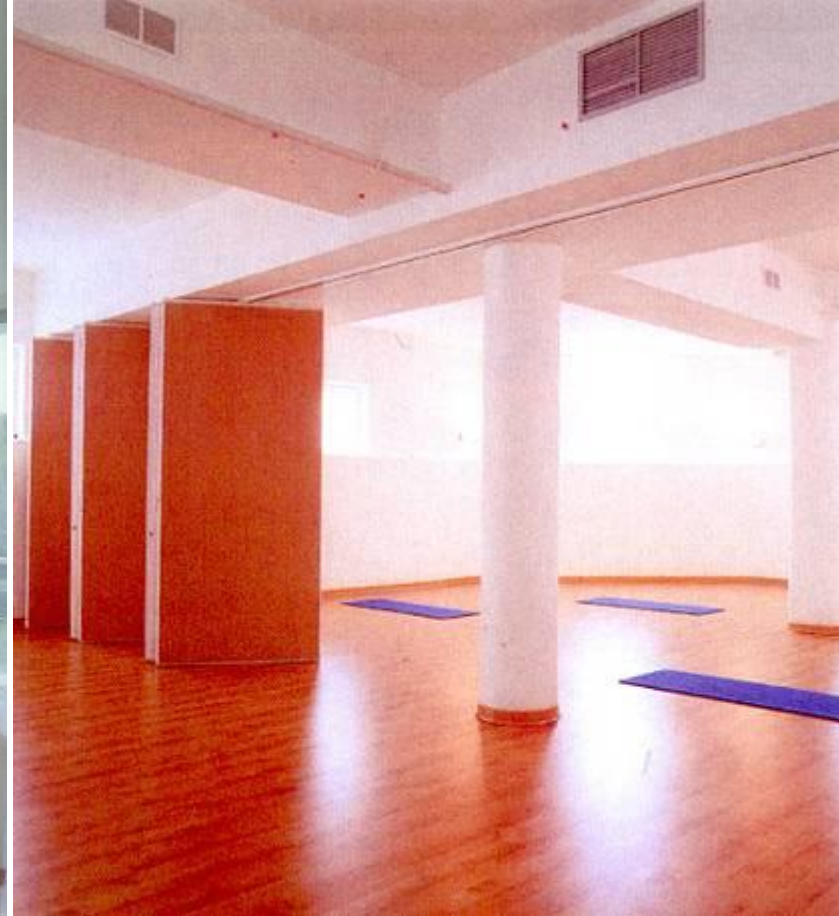


F

MUROS CORTINA



MUROS CORREDIZOS



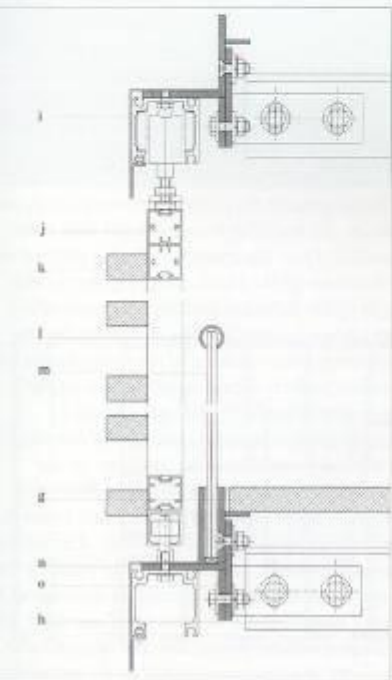
MUROS CORREDIZOS



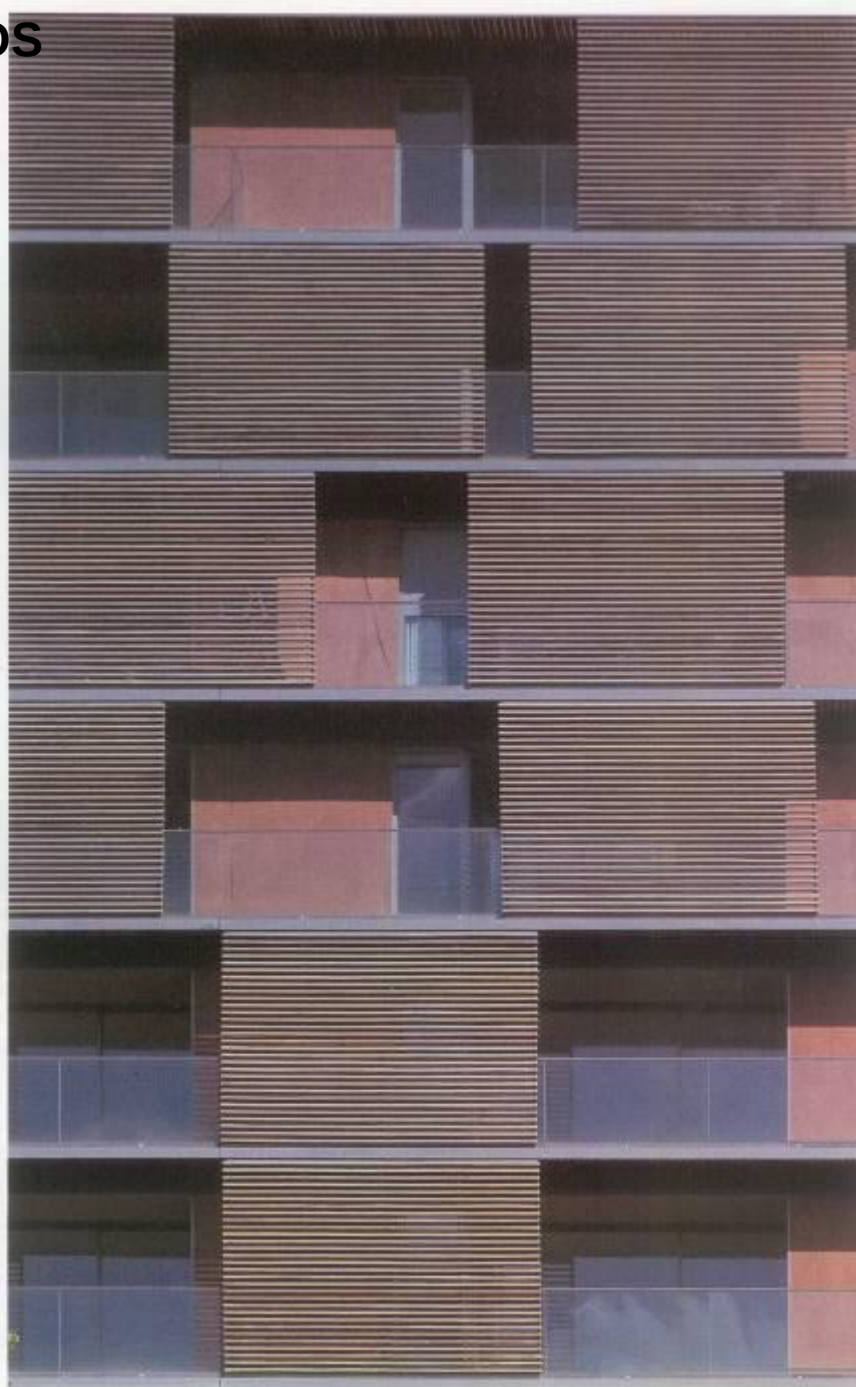
MUROS CORREDIZOS



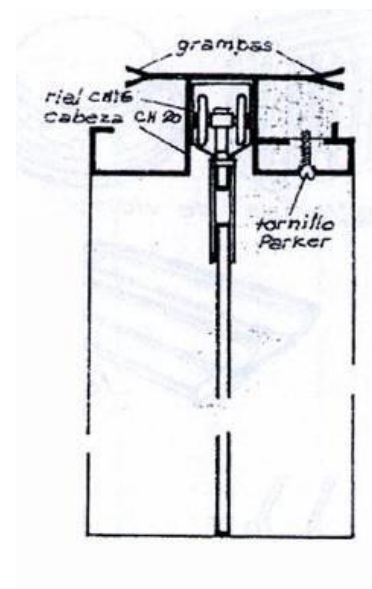
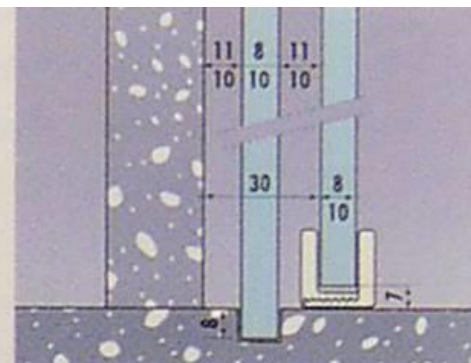
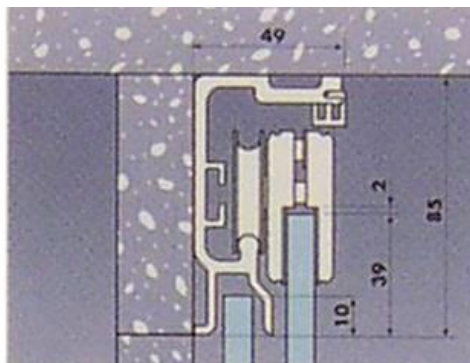
MUROS CORREDIZOS



Sección por fachada Section through facade



MUROS CORREDIZOS



HERRAJES



HERRAJES-PICAPORTES



HERRAJES



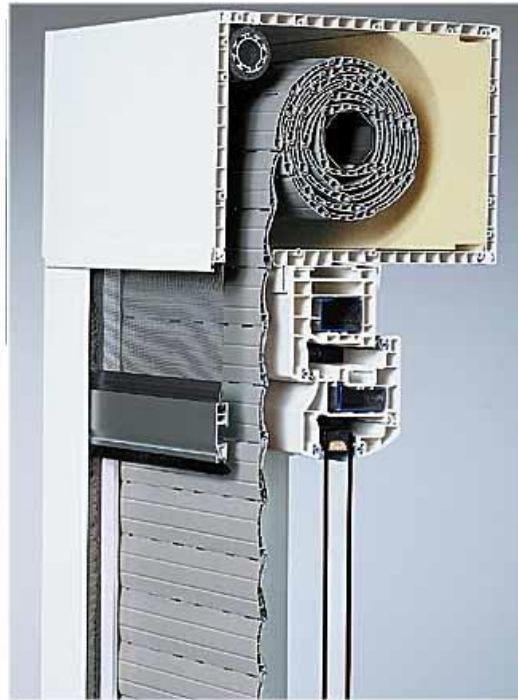
POSTIGONES



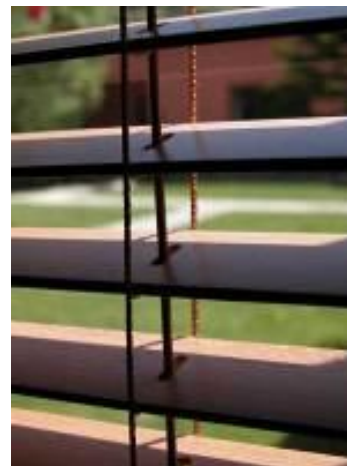
CELOSIAS



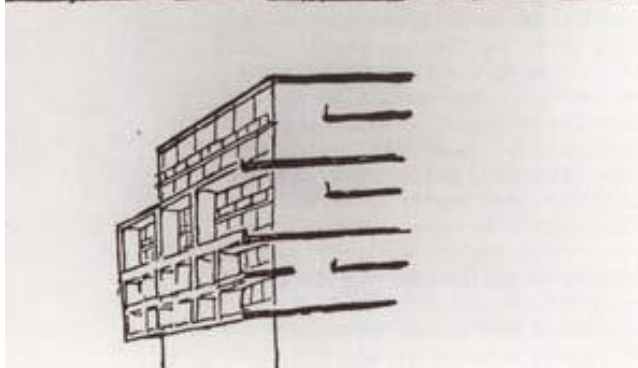
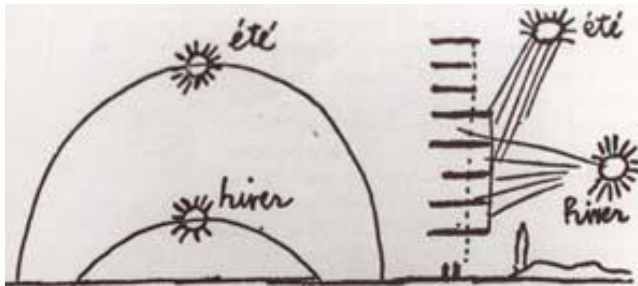
CORTINAS DE ENROLLAR



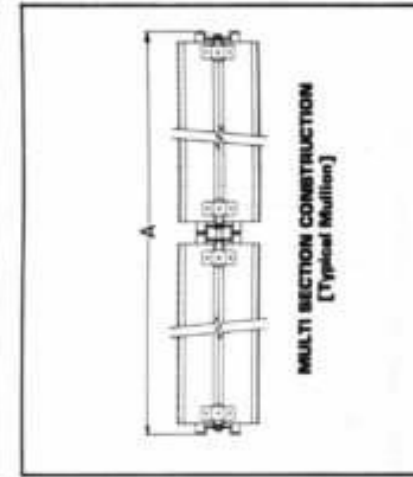
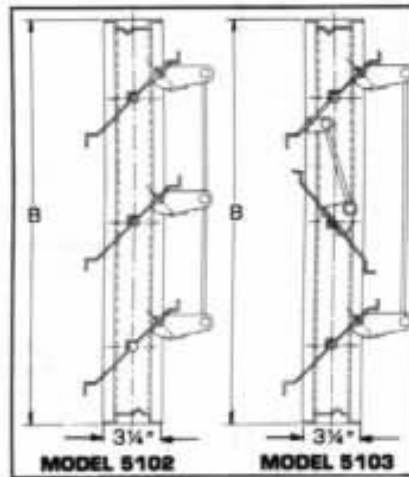
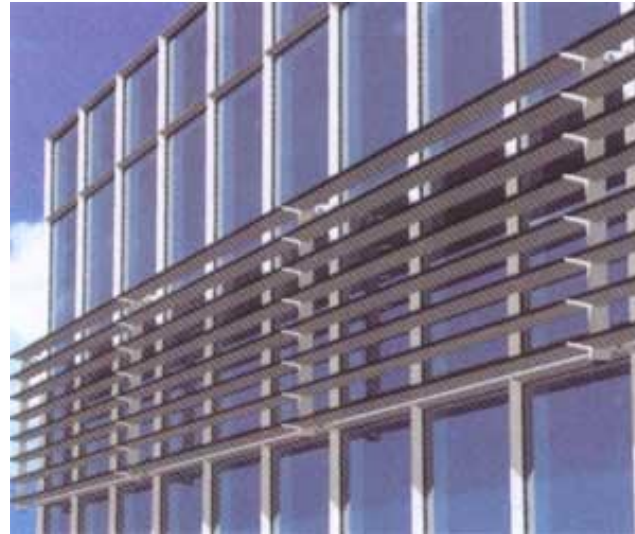
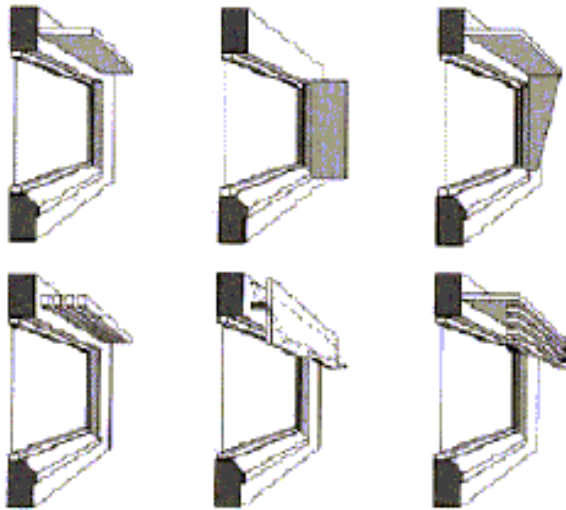
PERSIANA AMERICANA



BRISE SOLEIL



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