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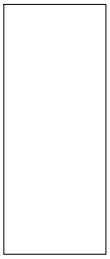
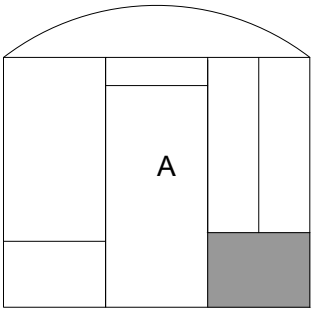
LHT= largeur hors tout = largeur de fabrication dos de dormant
HHT= hauteur hors tout = hauteur de fabrication dos de dormant

1) CHÂSSIS FIXES



Châssis fixe et baie vitrée
LHT max: illimitée*
HHT max: illiimitée*
A max: 4.5m² (air hxL)

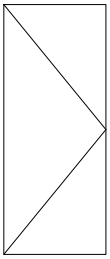


Possibilité d'intégrer:
montants, traverses, imposte, partie fixe,remplissage panneau, poteau technique, cintrage, allège

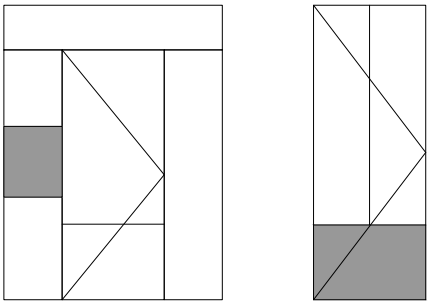
Vitrage bord à bord

* avec manchonnage

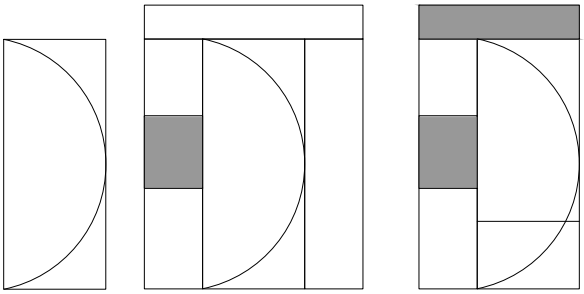
2) PORTES 1 VANTAIL



Porte 1 vantail
sur paumelles
LHT:max 1 400 mm
HHT: max 3 000 mm



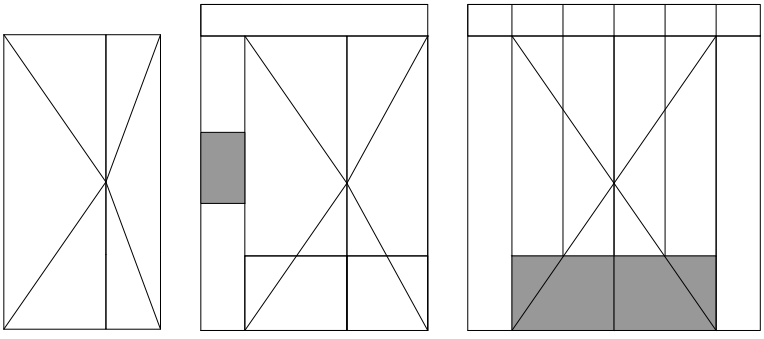
Possibilité d'intégrer:
montants, traverses, imposte, partie fixe,remplissage panneau, poteau technique, cintrage, allège



Porte 1 vantail
sur pivots
anti-pince doigts
LHT:max 1 400 mm
HHT: max 3 000 mm

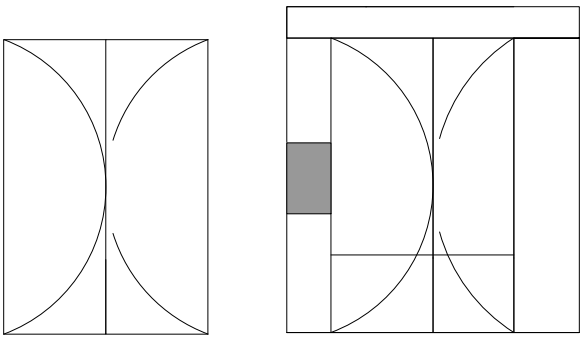
Possibilité d'intégrer:
traverses, imposte, partie fixe, remplissage panneau, poteau technique

3) PORTES 2 VANTAUX



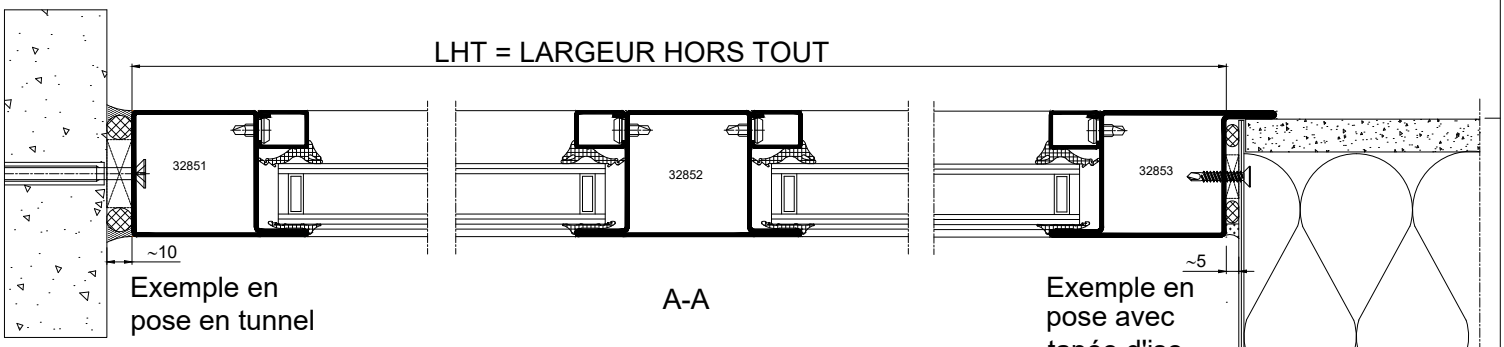
Porte 2 vantaux
sur paumelles
LHT: max 2 800 mm
HHT: max 3 000 mm

Possibilité d'intégrer:
montants, traverses, imposte, partie fixe, remplissage panneau, poteau technique



Porte 2 vantaux sur pivots anti-pince doigts, vantaux égaux ou tiercés
LHT: max 2 800 mm
HHT: max 3 000 mm

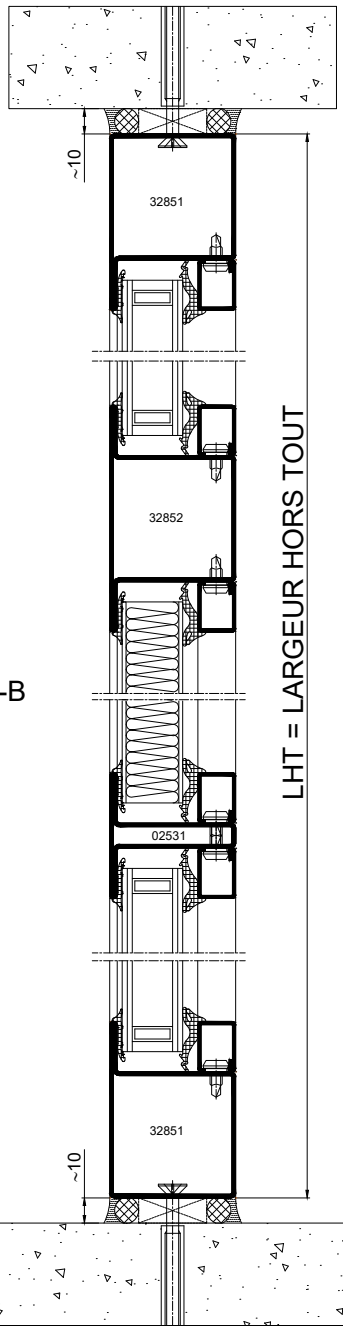
Possibilité d'intégrer:
traverses, imposte, partie fixe, remplissage panneau,
poteau technique



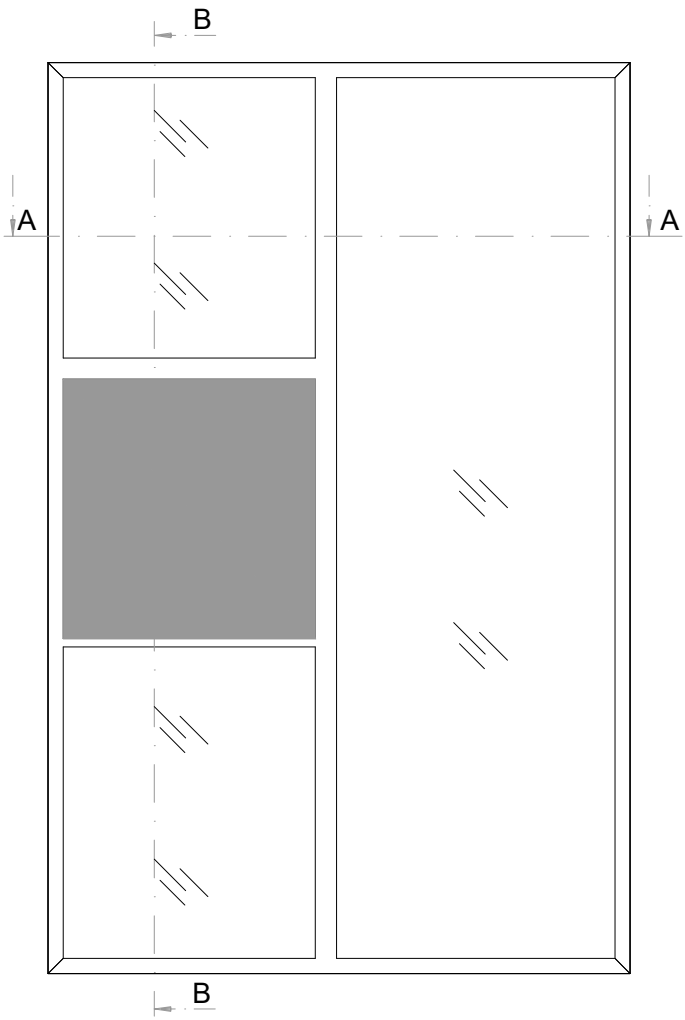
Exemple en pose en tunnel

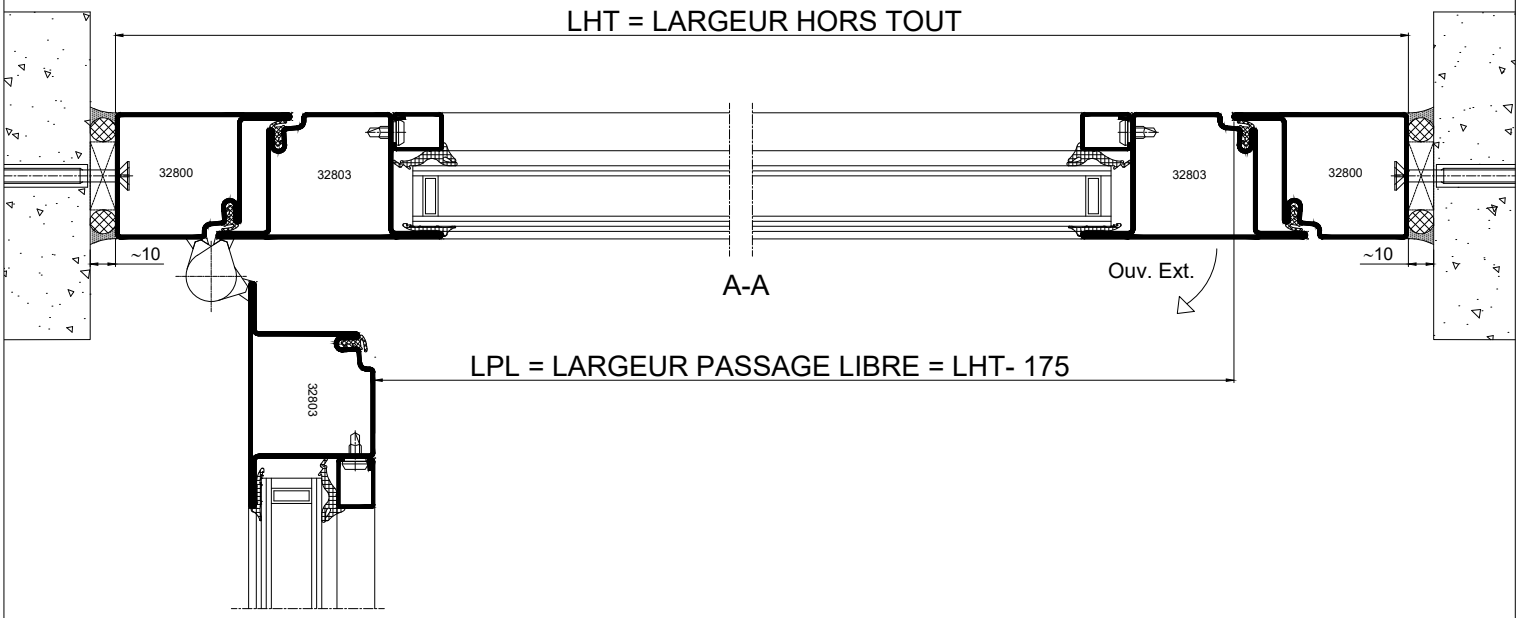
A-A

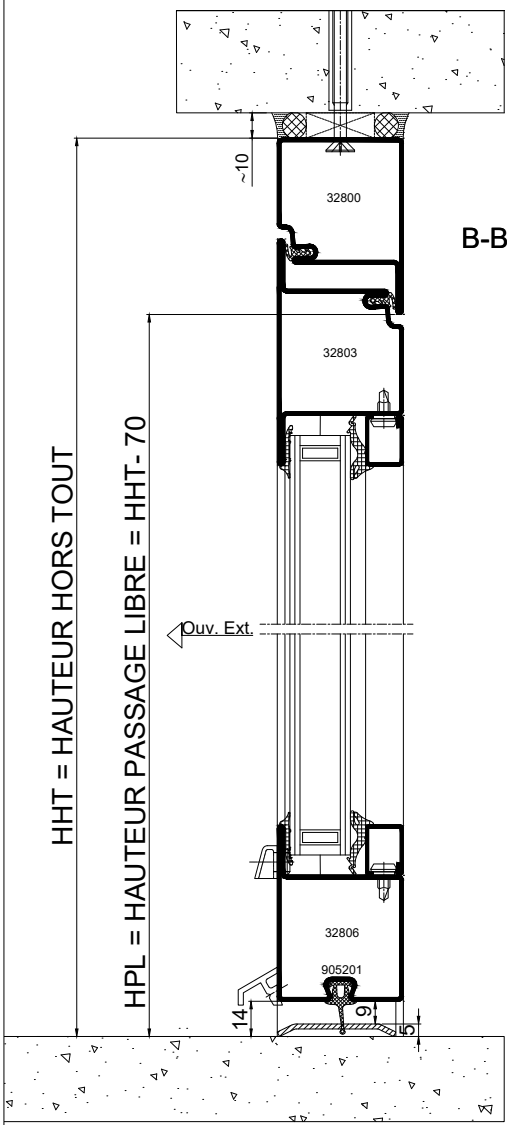
Exemple en pose avec tapée d'iso

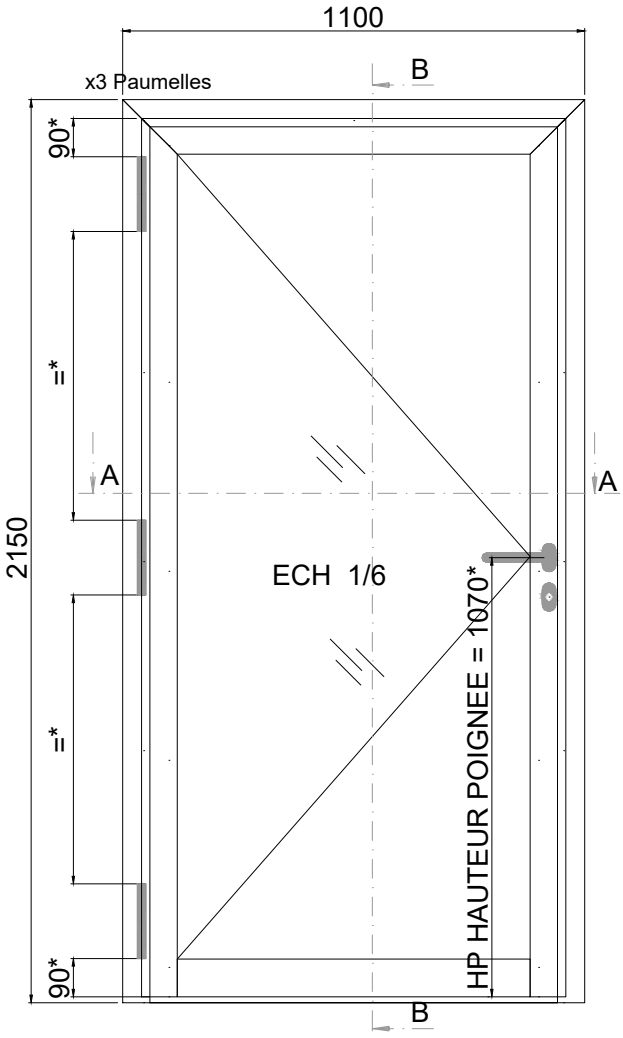


B-B

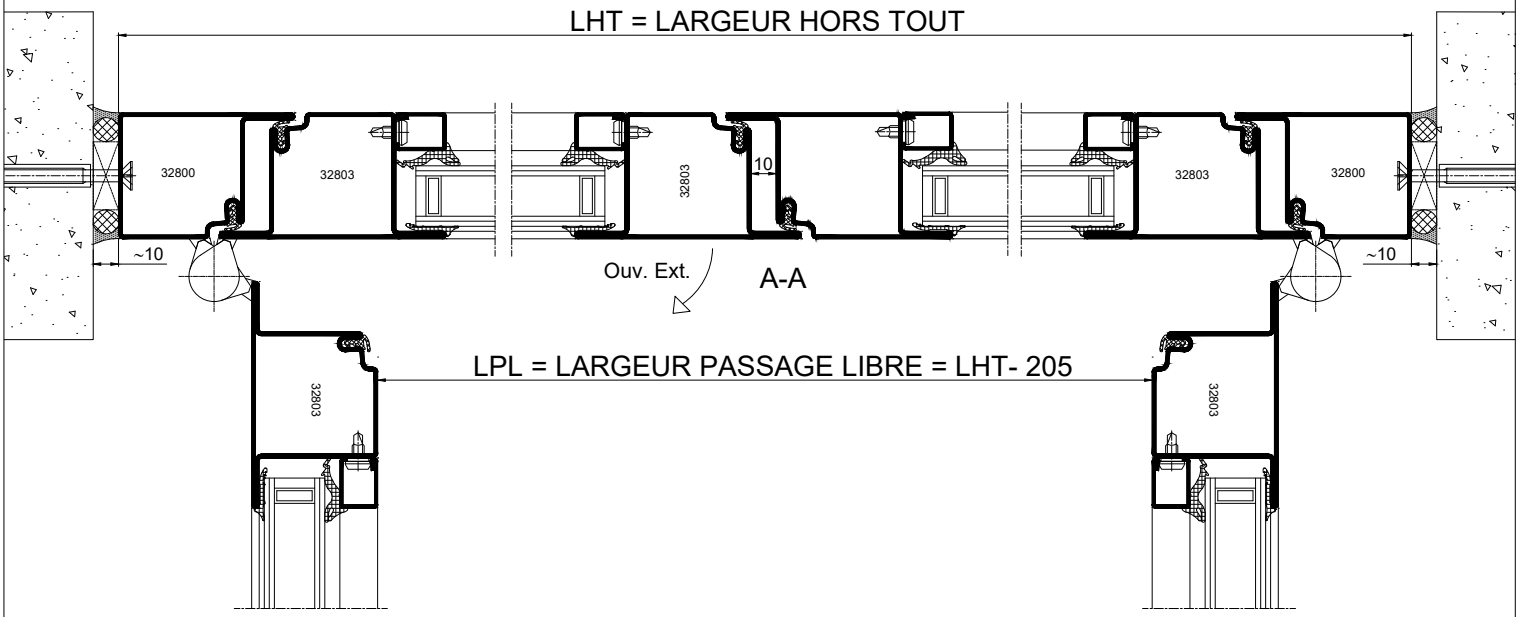


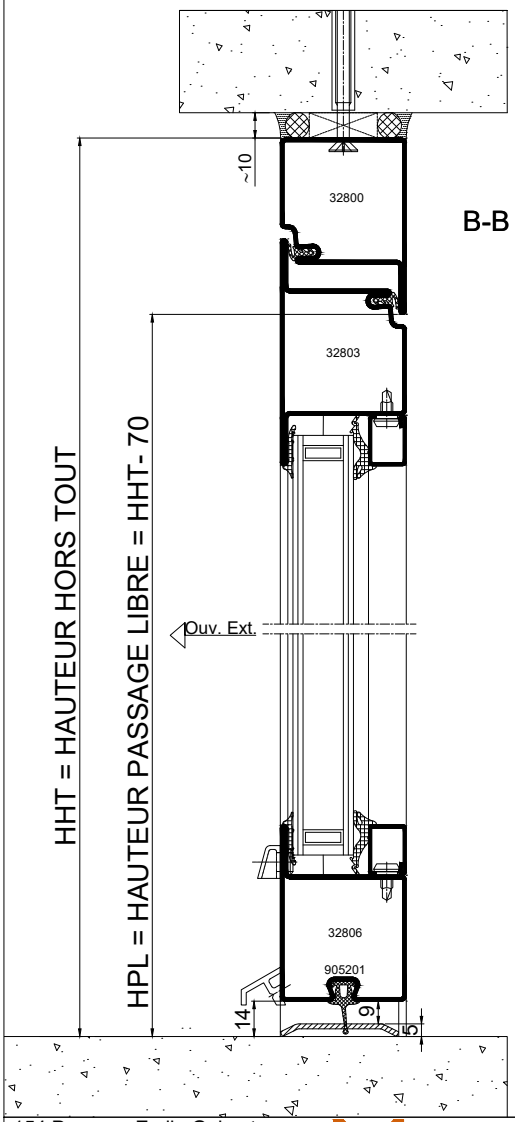


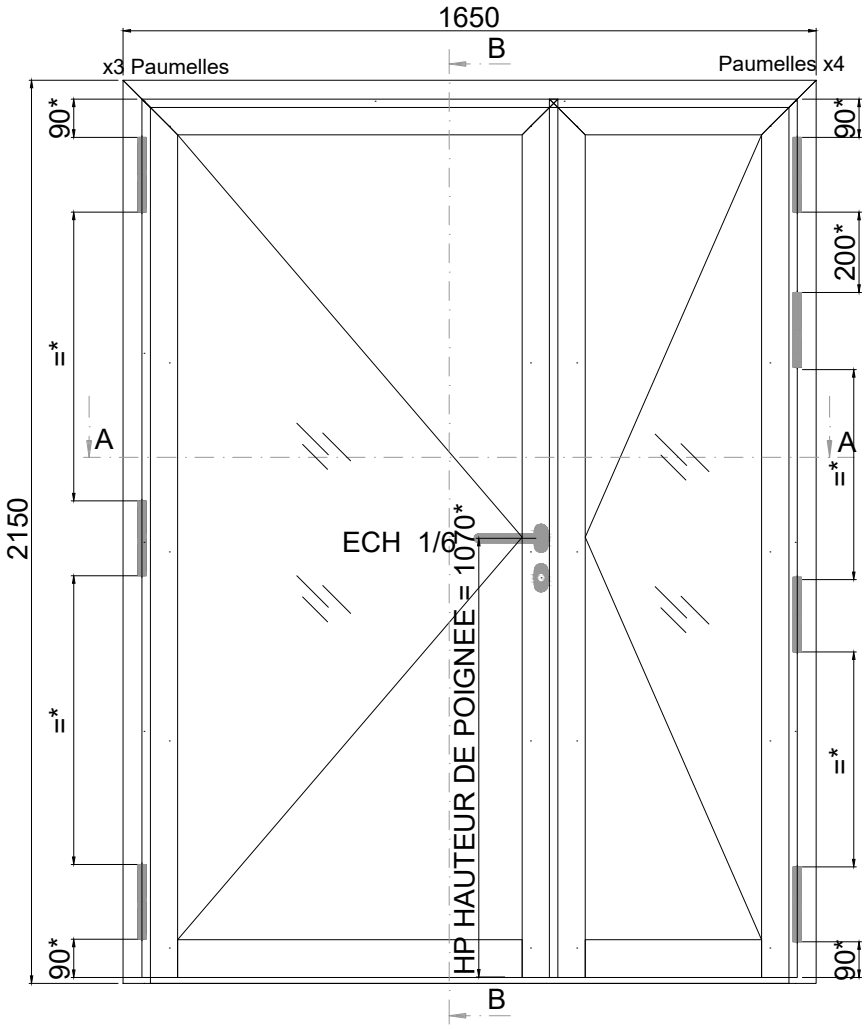




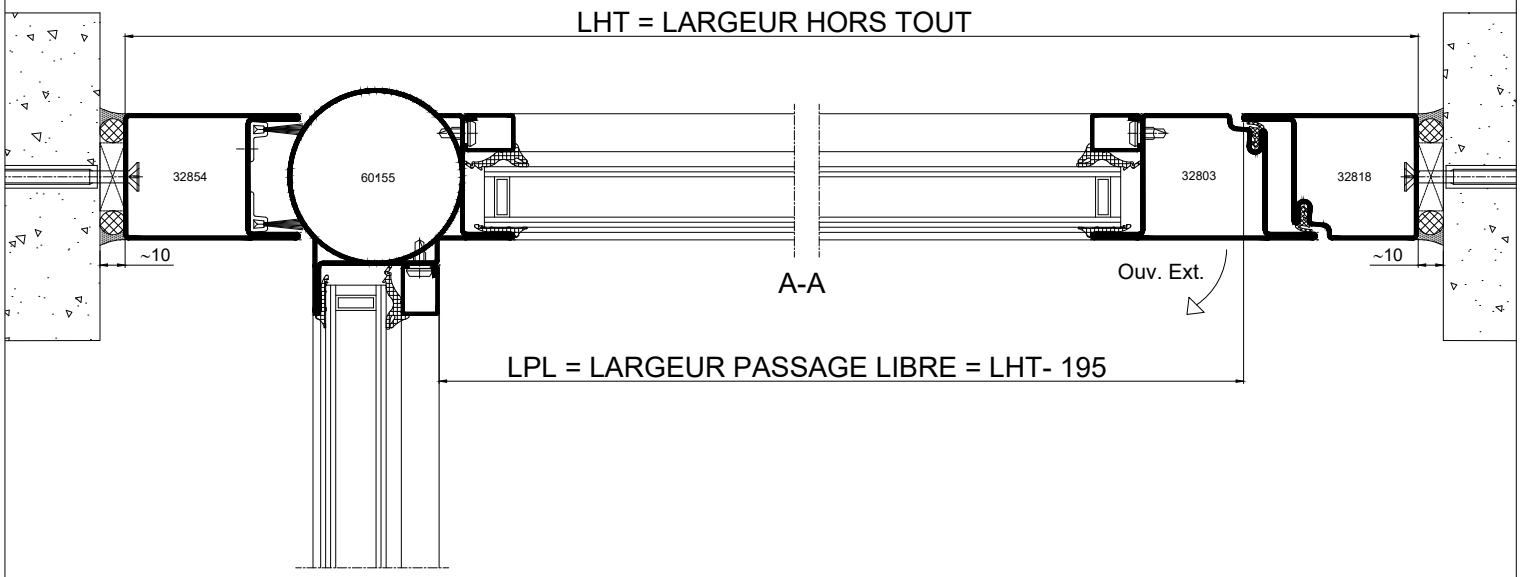
* position non contractuelle

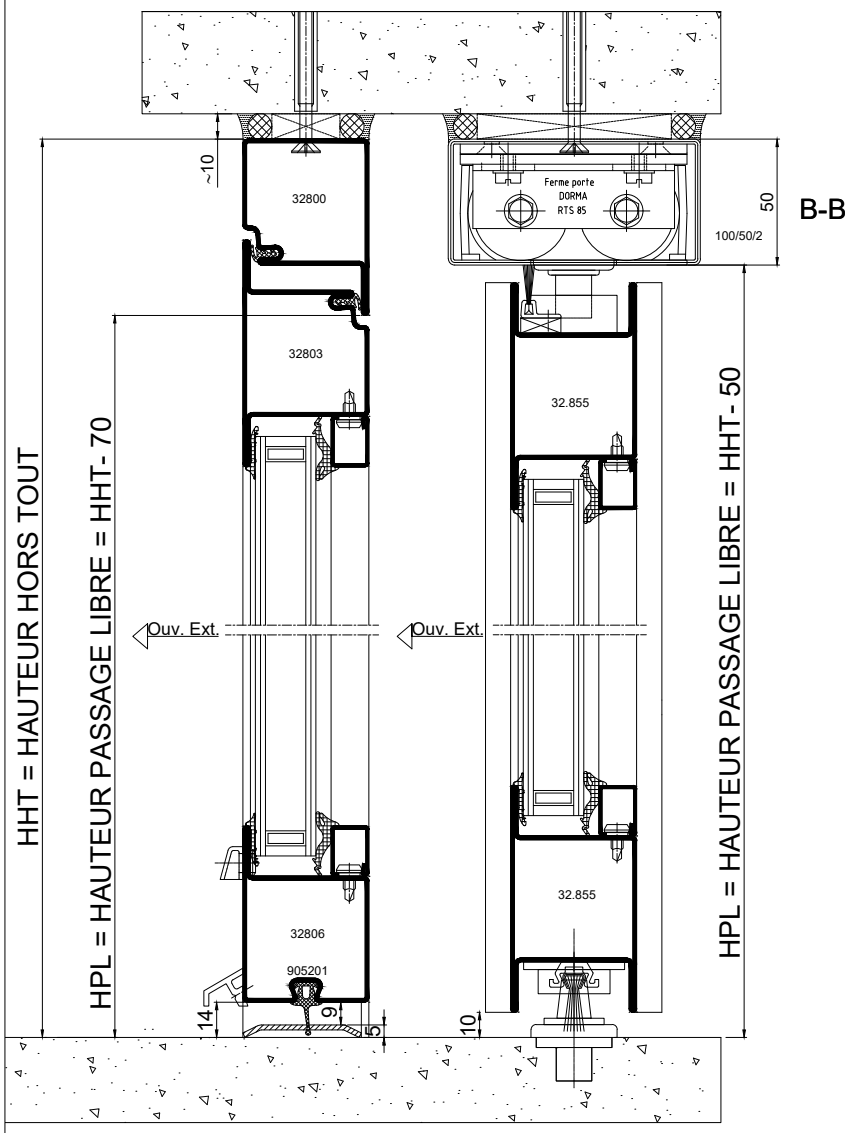


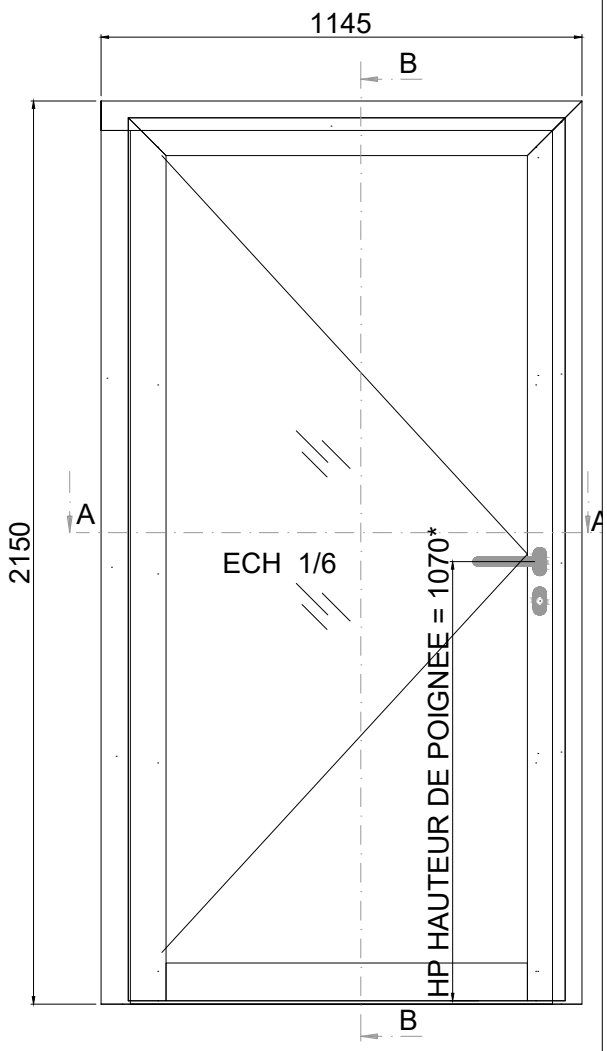




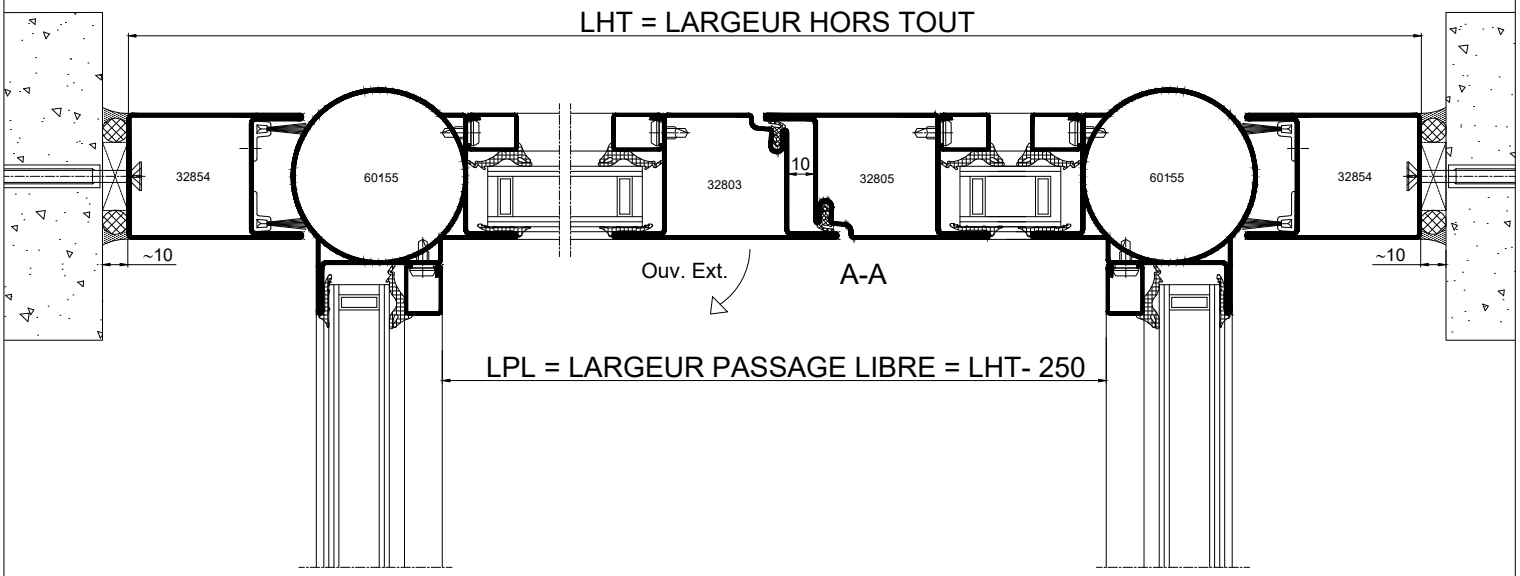
* position non contractuelle

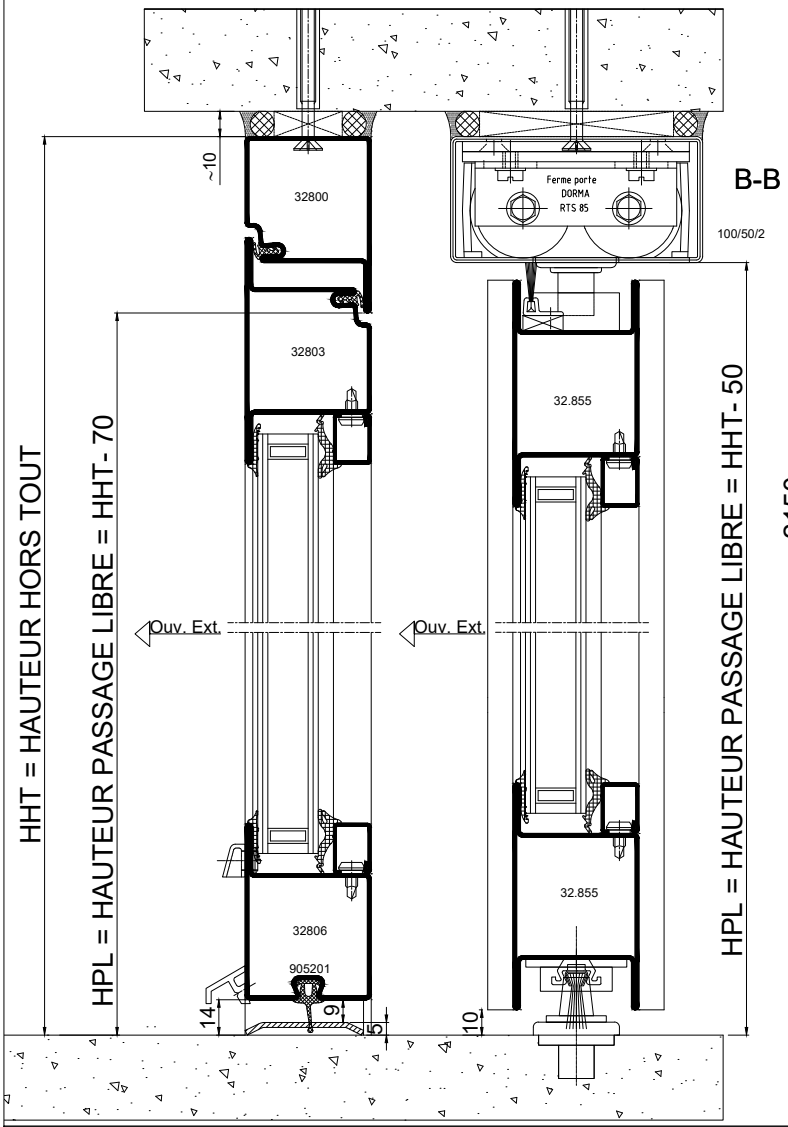


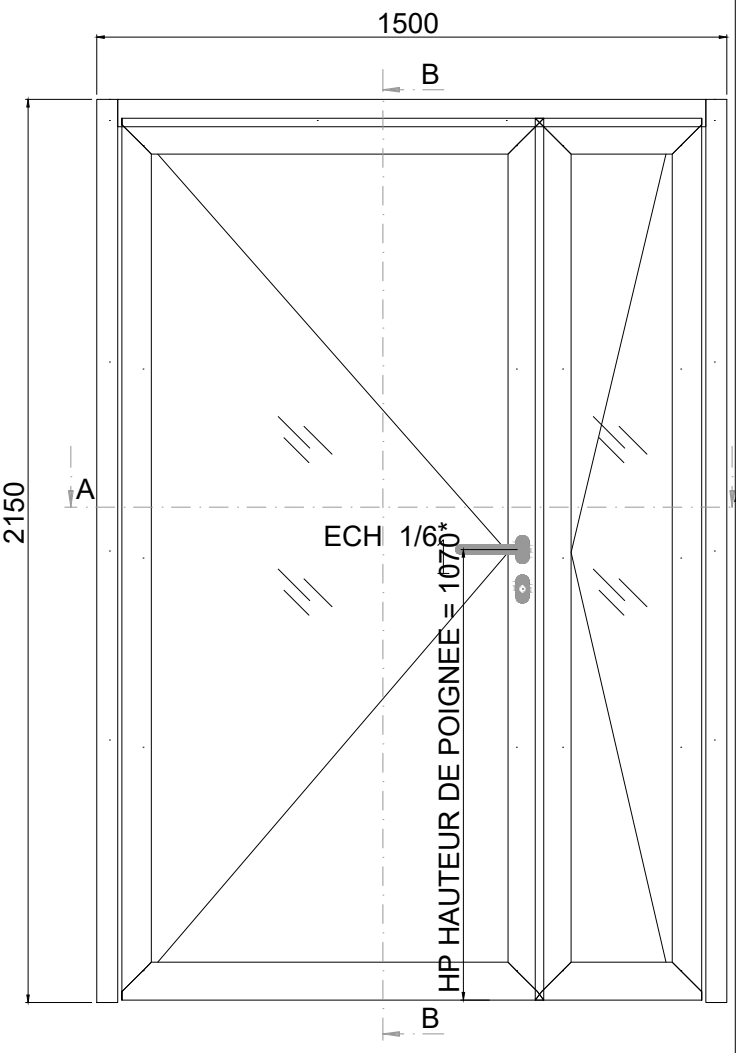




* position non contractuelle





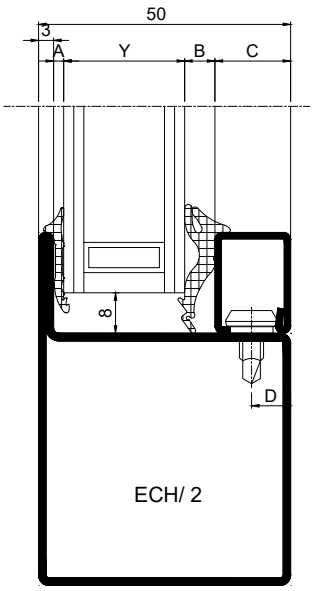


* position non contractuelle

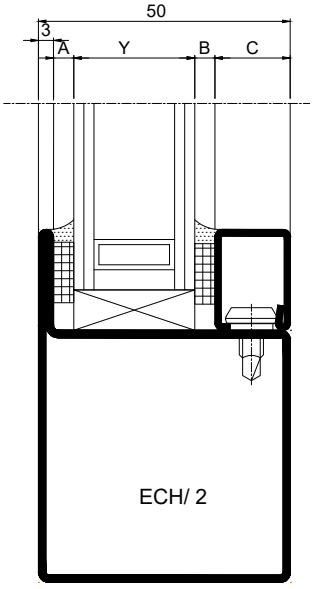
1) SYSTEME DE REMPLISSAGE ET VITRAGE

EPAISSEURS DE VITRAGE de 4 à 26 mm
PANNEAU PLEIN ISOLE 24mm

VITRAGE A SEC (EPDM)



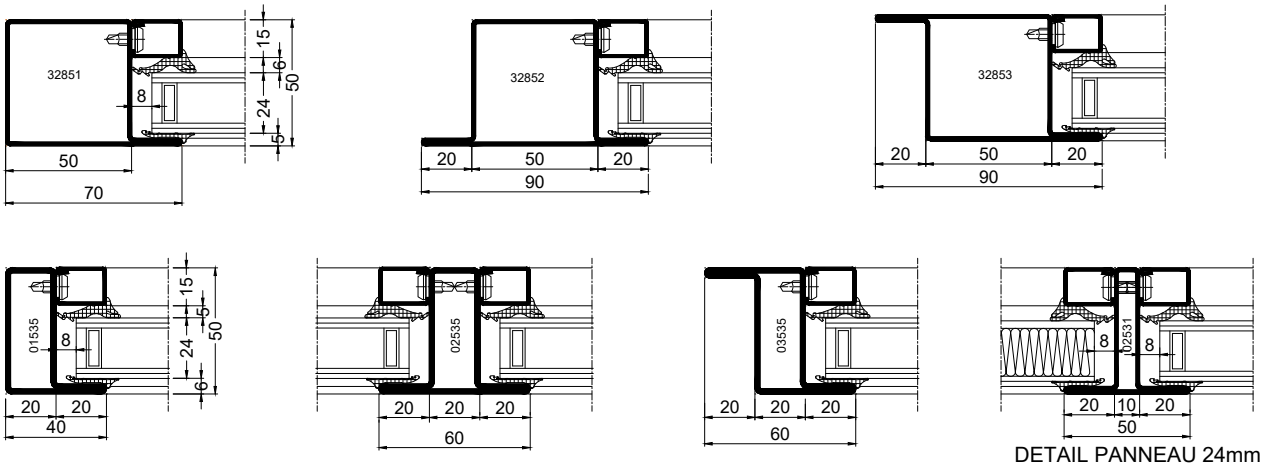
VITRAGE PAR SILCONE (BANDE DE VITRAGE)



12 988002	4mm
988003	5mm
988004	6mm
988006	8mm

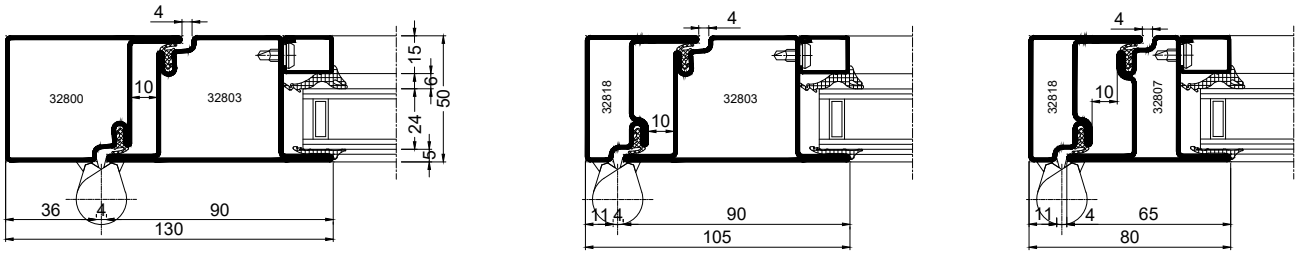
D	C	A	B						A - B									
Distance du bouton de pareclose	Pareclose Acier	Joint EPDM Extérieur	Joint EPDM Intérieur						Bande de vitrage									
		2 905312	4mm	5mm	6mm	7mm	8mm 905315 905316 9053178		A 4	B 4	A 5	B 4	A 5	B 5	A 5	B 6	A 6	B 6
13mm	35 901247	2mm	6	5	4	-	-	Y Epaisseur du Vitrage ou du panneau	4	-	-	-	-					
13mm	30 901246		11	10	9	8	7		9	8	7	6	5					
13mm	25 901228		16	15	14	13	12		14	13	12	11	10					
13mm	20 901227		21	20	19	18	17		19	18	17	16	15					
8mm	15 901226		26	25	24	23	22		24	23	22	21	20					

2) DORMANTS DE FIXE, MONTANTS ET TRAVERSES

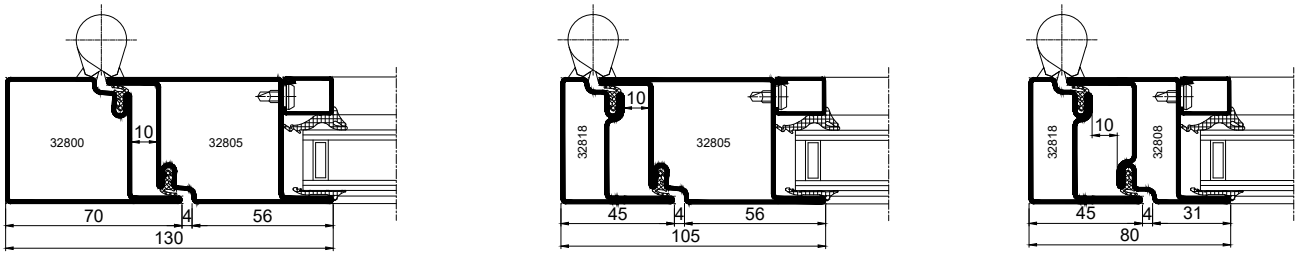


3) PORTE SUR PAUMELLES

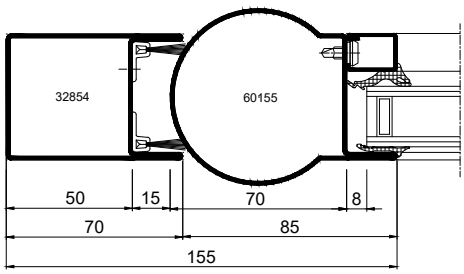
OUVERTURE EXTERIEURE



OUVERTURE INTERIEURE



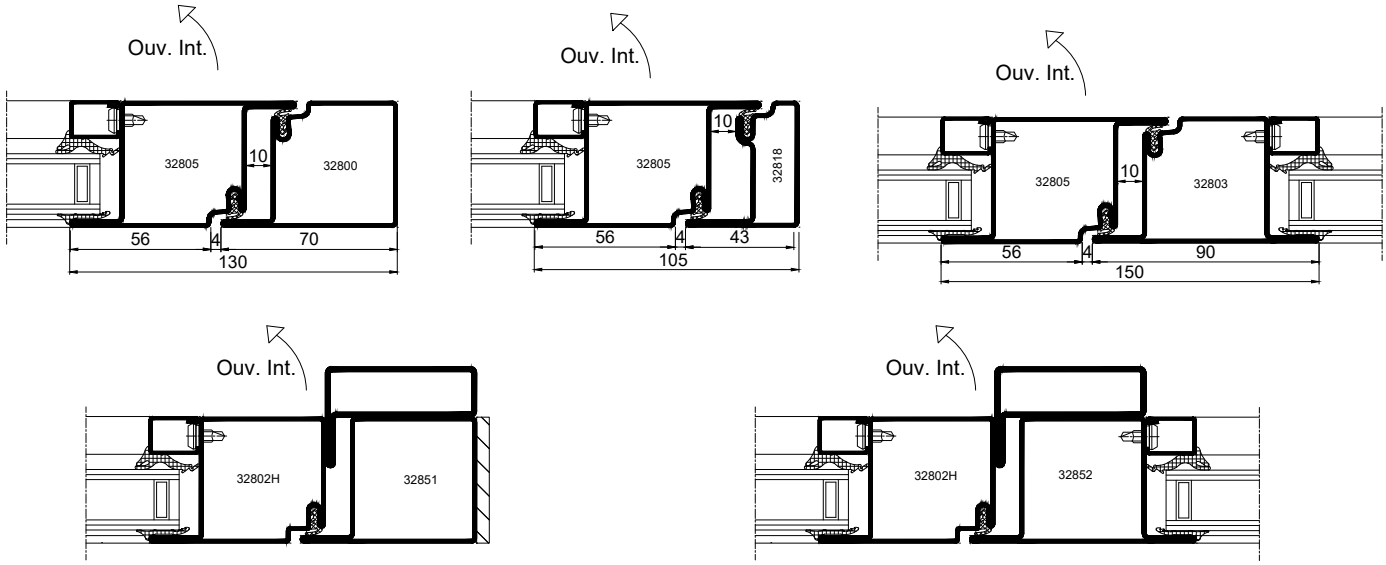
4) PORTE SUR PIVOT ANTI-PINCE DOIGTS



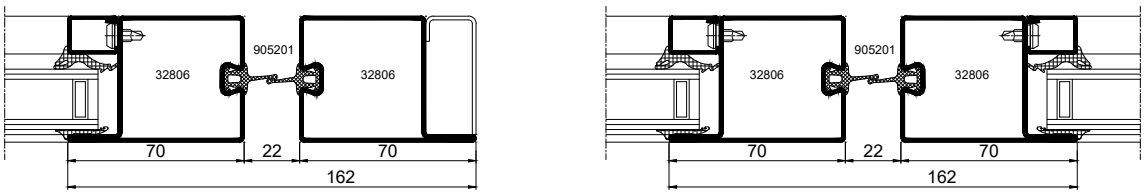
5) FERMETURE ET BATTEMENT CENTRAL

OUVERTURE EXTERIEURE

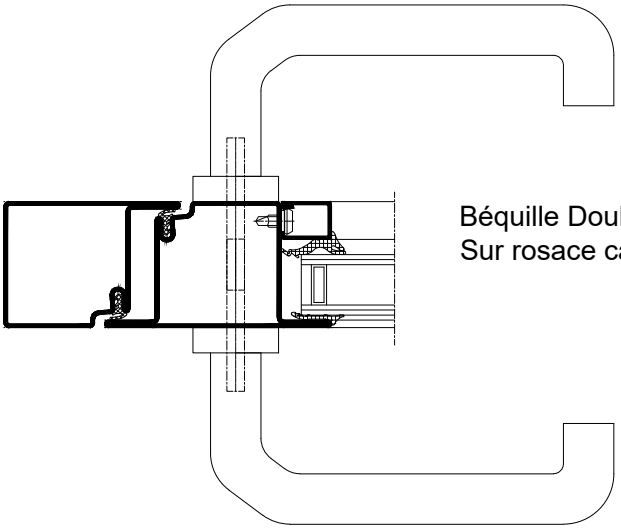
OUVERTURE INTERIEURE



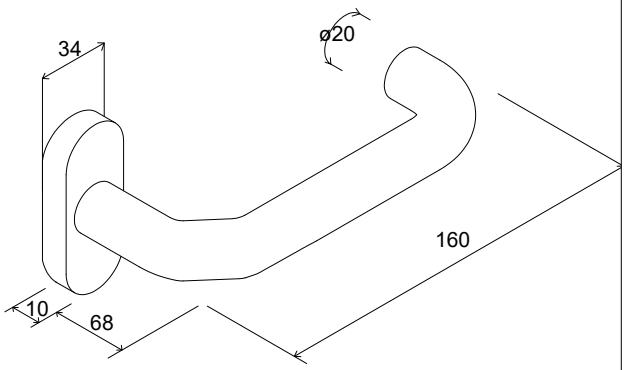
VA-ET-VIENTet ANTI-PINCE DOIGTS

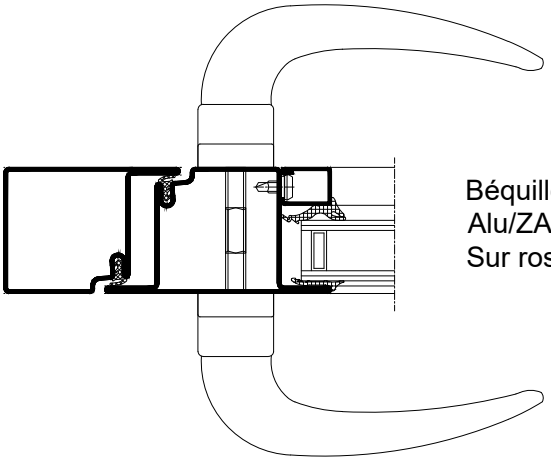


6) QUINCAILLERIE

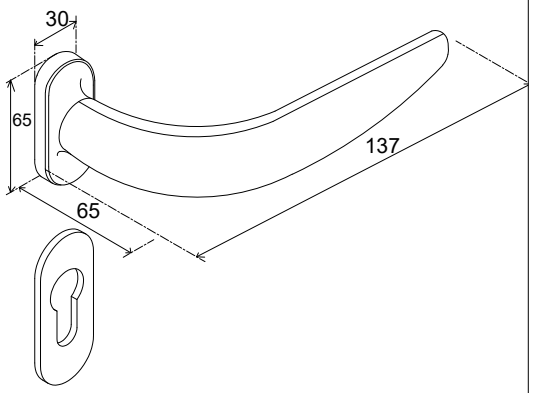


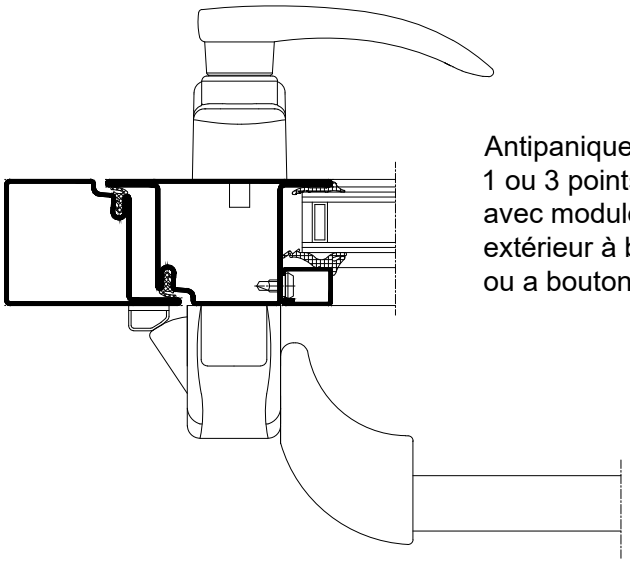
Béquille Double Inox 304
Sur rosace carré de 7mm



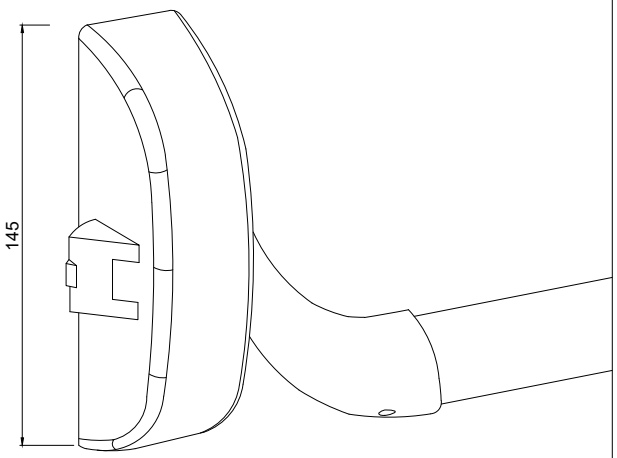


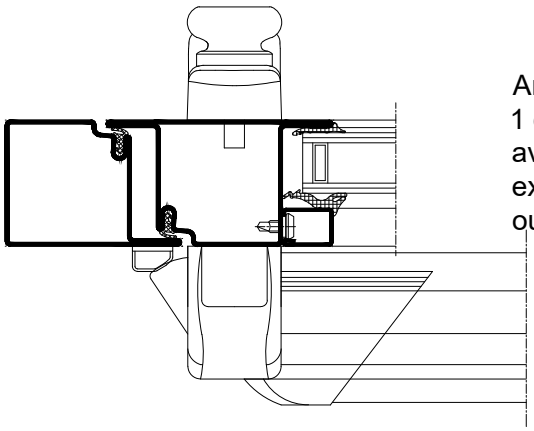
Béquille Double
Alu/ZAMAC
Sur rosace carré de 8mm



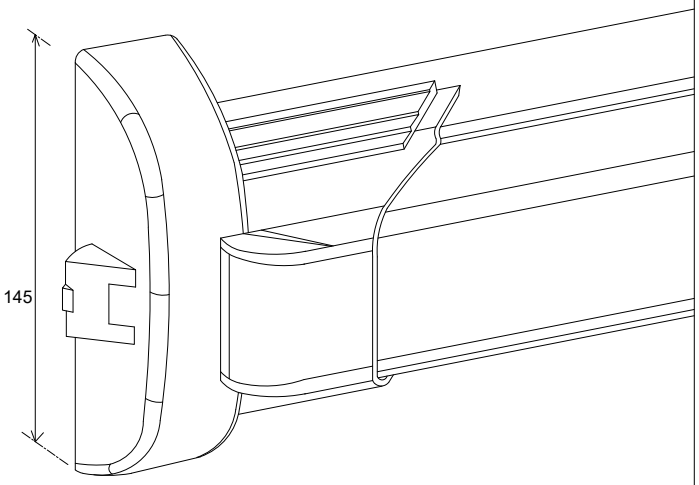


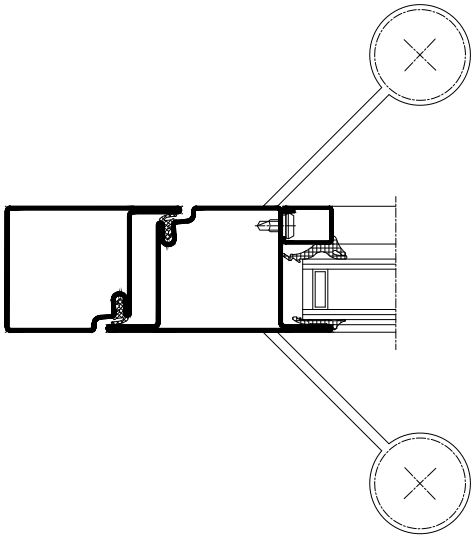
Antipanique
1 ou 3 points
avec module
extérieur à béquille
ou a bouton



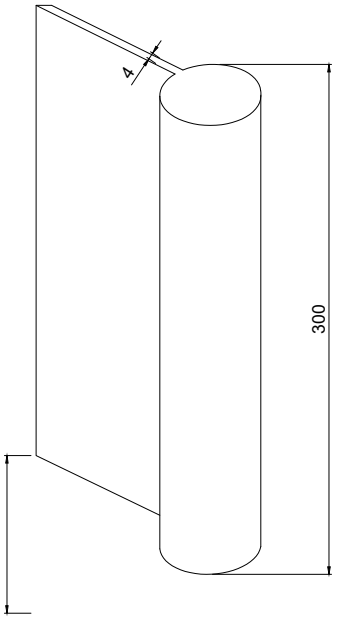


Antipanique
1 ou 3 points
avec module
extérieur à béquille
ou a bouton

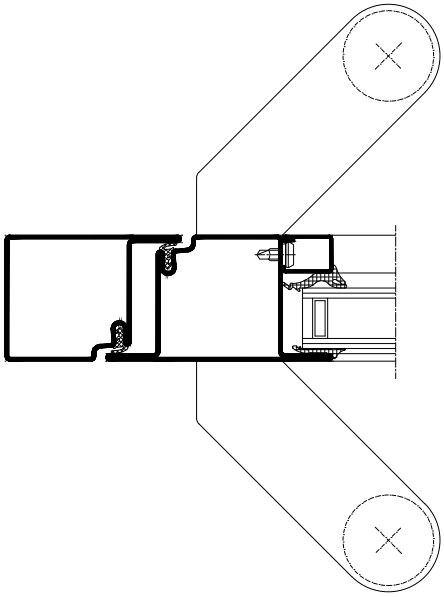




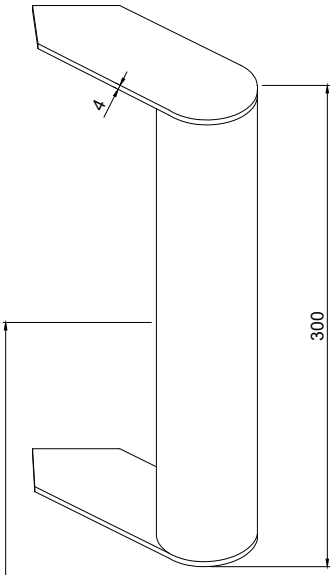
Poignée anti-vandalissme
Acier RAL ou Inox ø40
Hauteur 300
Plat Acier 4mm RAL



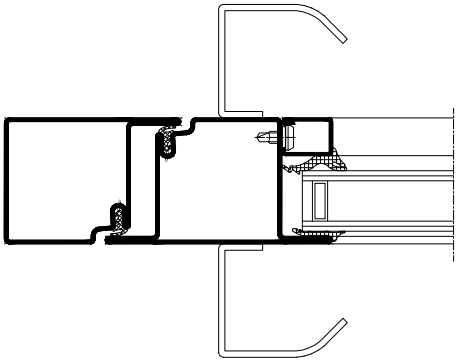
Bas d'ouvrant
1070mm
sous poignée



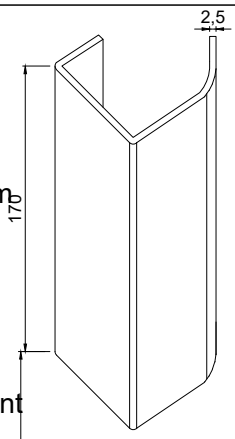
Poignée de tirage ø40
Acier RAL ou Inox
Hauteur 300mm
Embase Acier RAL



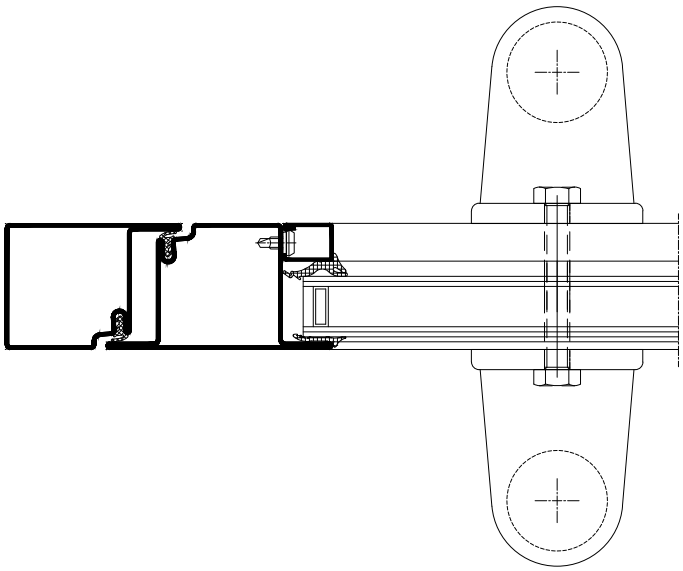
Bas d'ouvrant
1040mm
axe poignée



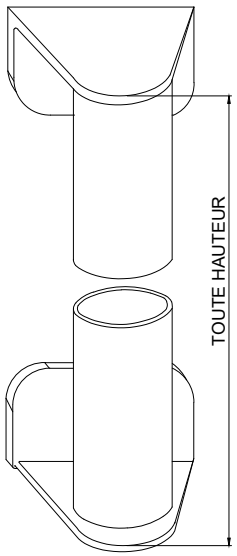
Poignée de tirage pliée
Acier RAL Hauteur 170mm
tole 25/10

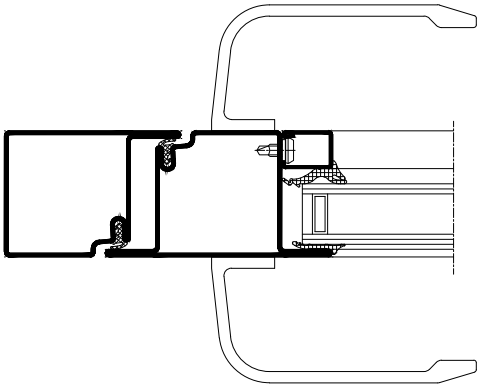


Bas d'ouvrant
1070mm
sous poignée

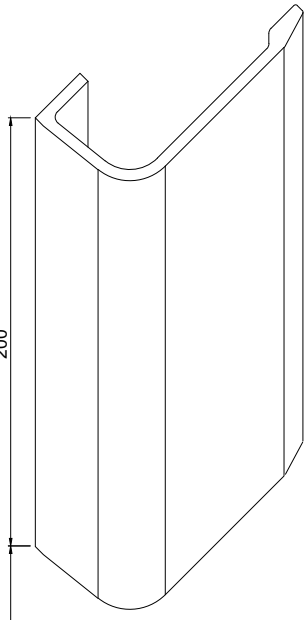


Bâton de maréchal
Inox 304 ø40
Toute hauteur
Embase Alu RAL

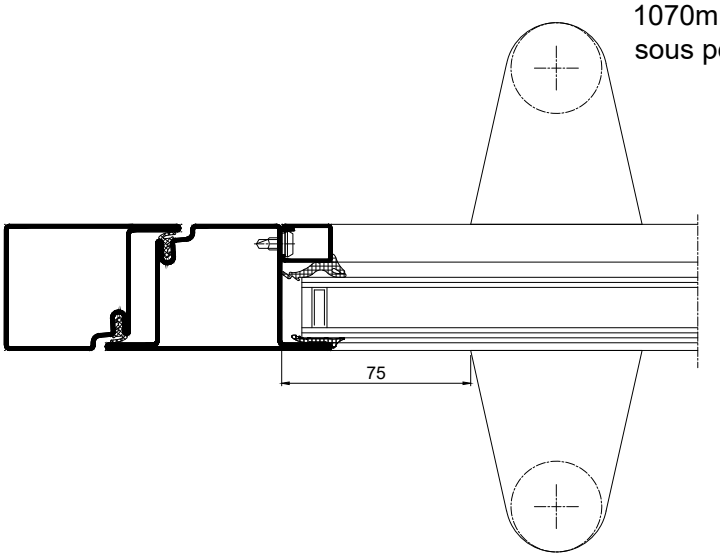




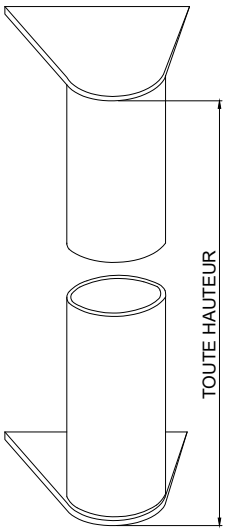
Poignée Aileron 6821
Hauteur 200mm
Laqué Gris 9006
La croisée DS



Bas d'ouvrant
1070mm
sous poignée

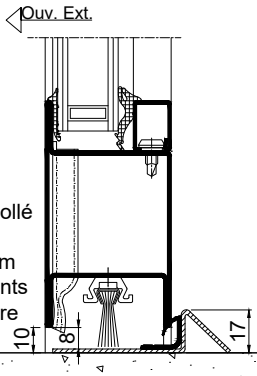


Bâton de maréchal ø40
Acier RAL
Toute hauteur
Embase Acier RAL

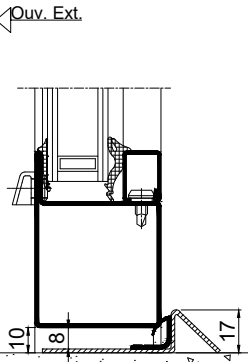


7) SEUIL ET PROFILE DE BAS DE PORTE

Seuil en Inox 304L
avec joint EPDM Collé
épaisseur 1.5mm
hauteur totale 17mm
soudé entre dormants
Ouverture Extérieure

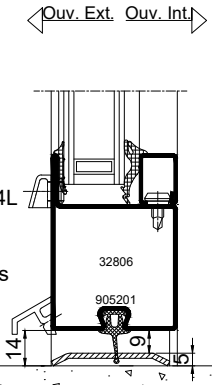


	A	E	V
1 VT	3	4A	C3
2 VTX	2	8A	C2

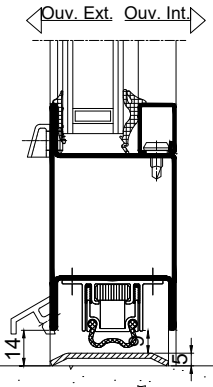


	A	E	V
1 VT	3	4A	C3
2 VTX	2	8A	C2

Seuil plat en Inox 304L
épaisseur 2mm
hauteur totale 5mm
soudé entre dormants
Ouverture intérieure
Ouverture extérieure

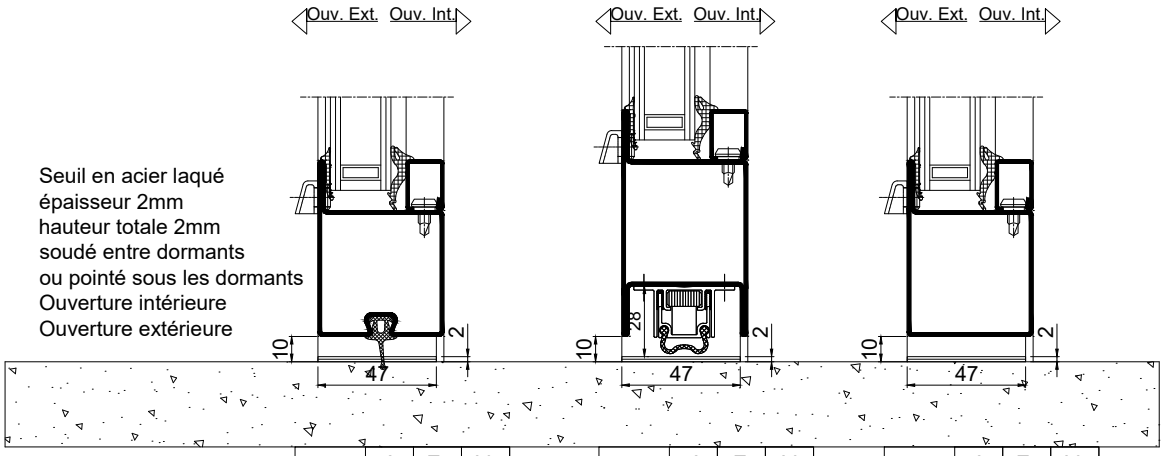


	A	E	V
1 VT	3	-	C3
2 VTX	2	-	C2



	A	E	V
1 VT	4	-	C3
2 VTX	3	-	C3

Seuil en acier laqué
épaisseur 2mm
hauteur totale 2mm
soudé entre dormants
ou pointé sous les dormants
Ouverture intérieure
Ouverture extérieure



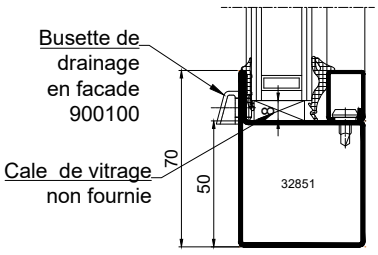
	A	E	V
1 VT	3	-	C3
2 VTX	2	-	C2

	A	E	V
1 VT	4	-	C3
2 VTX	3	-	C3

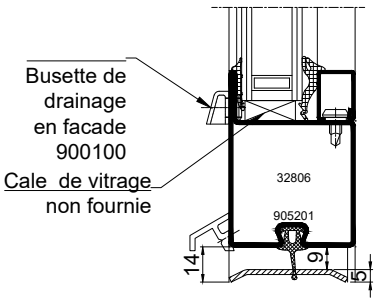
	A	E	V
1 VT	-	-	-
2 VTX	-	-	-

8) DRAINAGE ET DECOMPRESSION

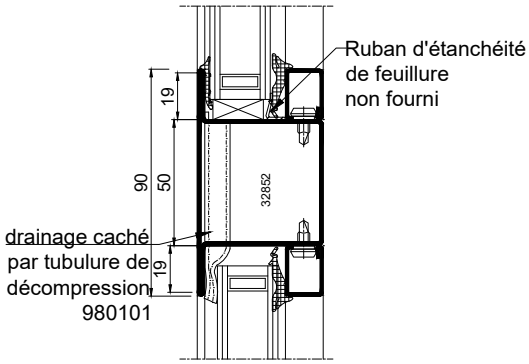
FIXE



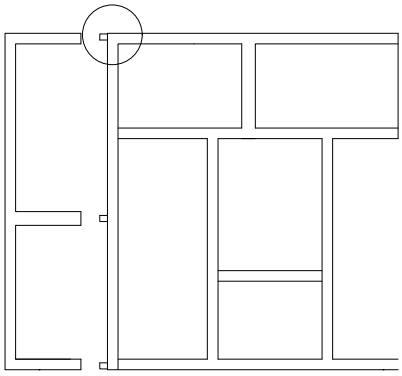
PORTE

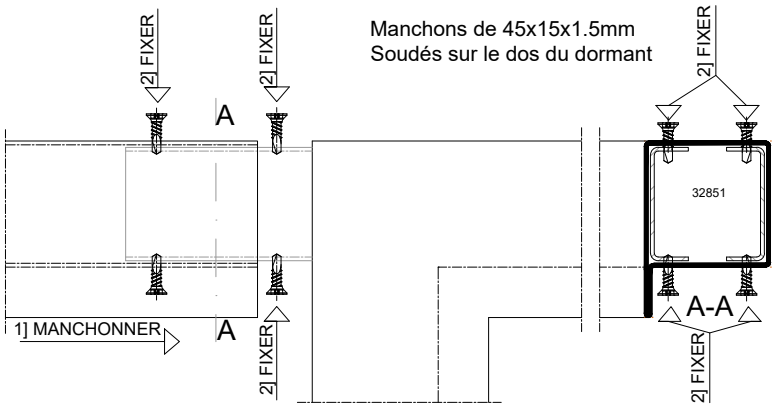


TRAVERSE



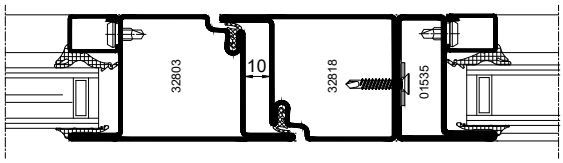
9) MANCHONNAGE



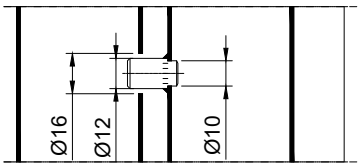


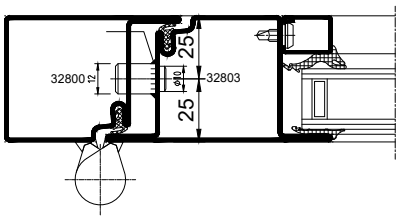
A fixer la partie manchonnée
avec des vis autotaraudeuse ø4.2x16

10) MONTAGE DOS A DOS

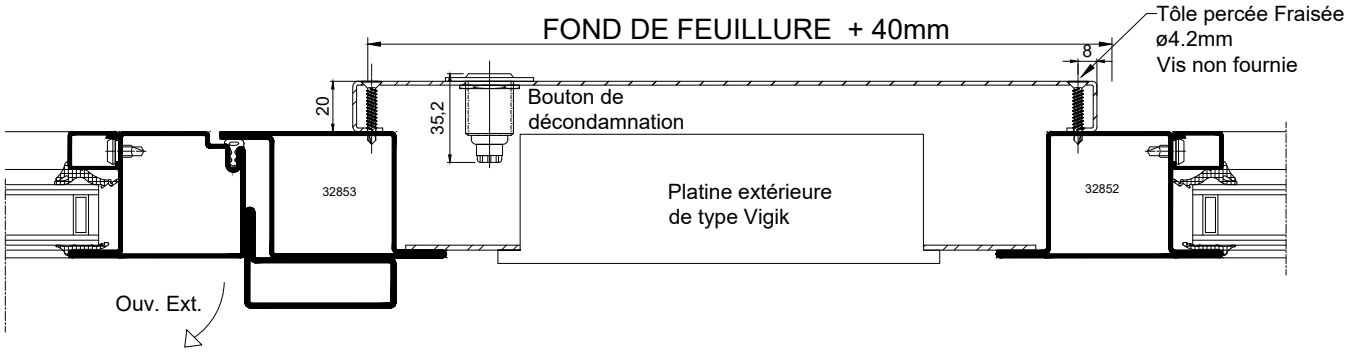


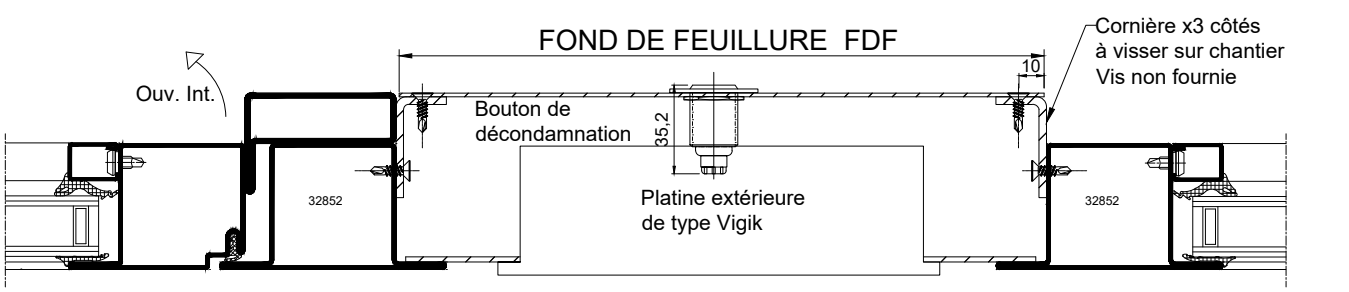
11) PION ANTI-DEGONDAGE





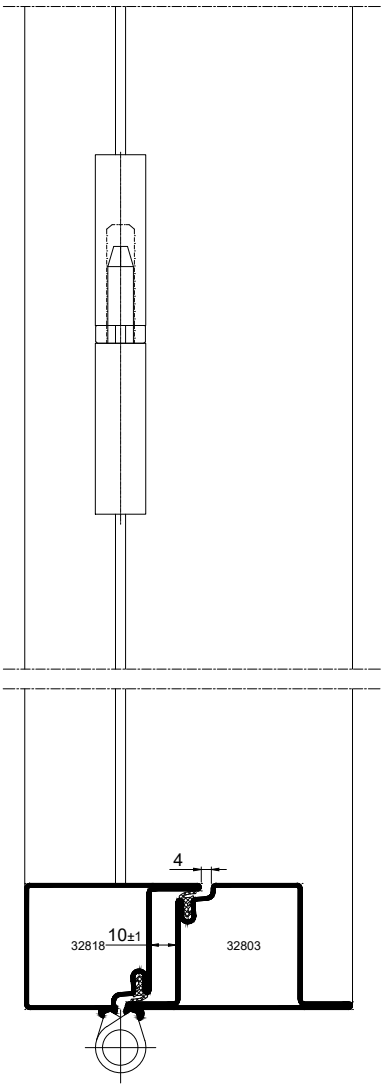
12) POTEAU TECHNIQUE

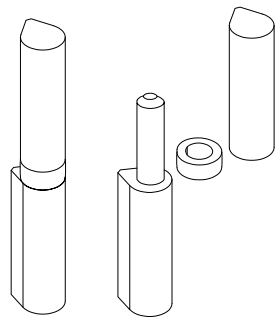




13) PAUMELLES A SOUDER

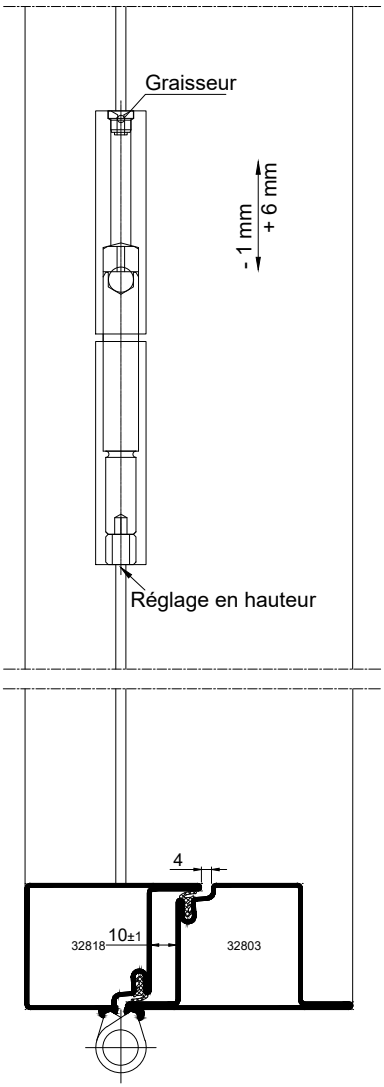
MODELE MAROC 140
Acier brut,
Sans réglage, Sans graisseur,
Bague sur roulement laiton,
H140mm ø20mm

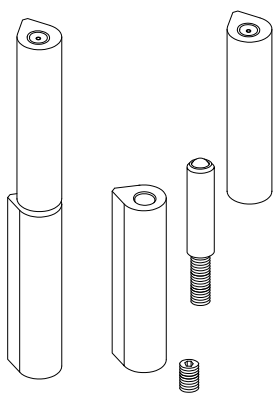




Hauteur de dégondage mini: 35mm

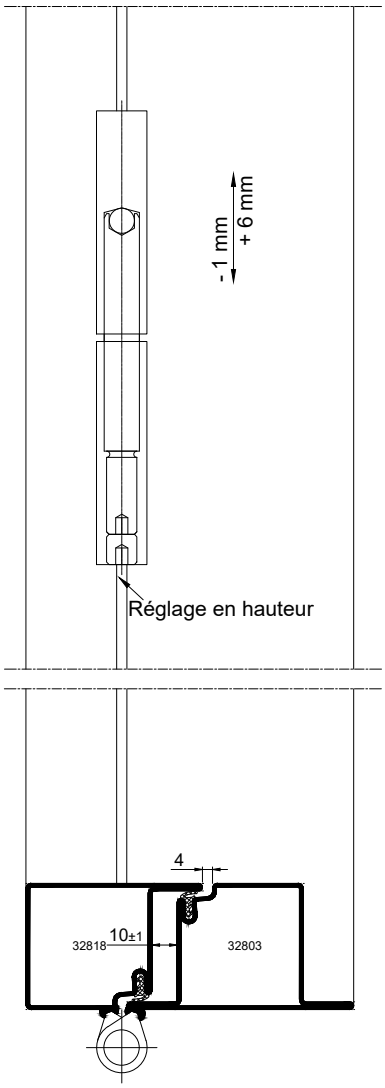
MODELE FORSTER 907662
Acier brut,
Avec réglage en hauteur, Avec graisseur
Bille en acier trempé tournant
sur une pastille en laiton
H180mm ø20mm

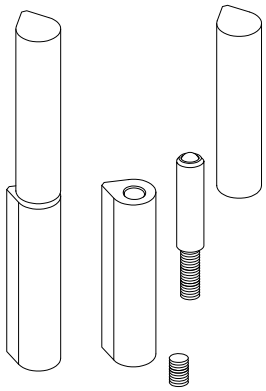




Hauteur de dégondage mini: 20mm

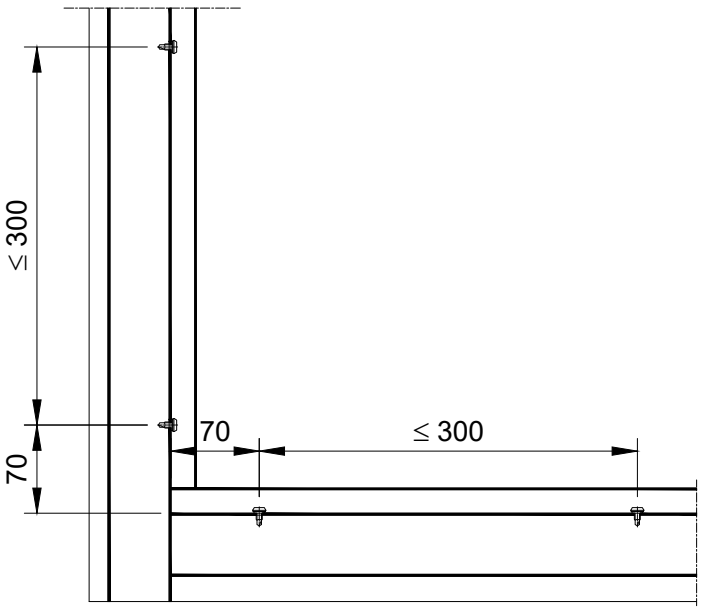
MODELE OXIUM
Acier brut,
Avec réglage en hauteur, Sans graisseur
Bille en acier trempé tournant
sur une pastille en laiton
H180mm ø20mm



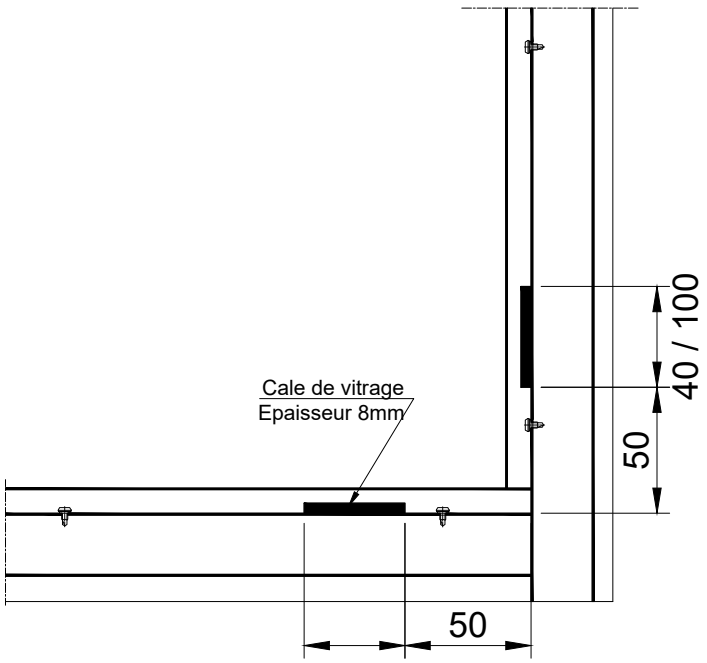


Hauteur de dégondage mini: 30mm

01) BOUTON DE PARCLOSE

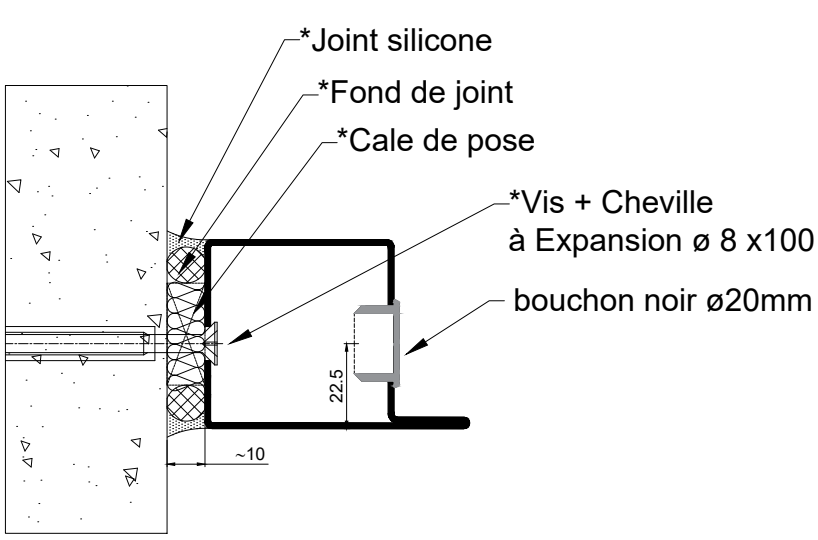


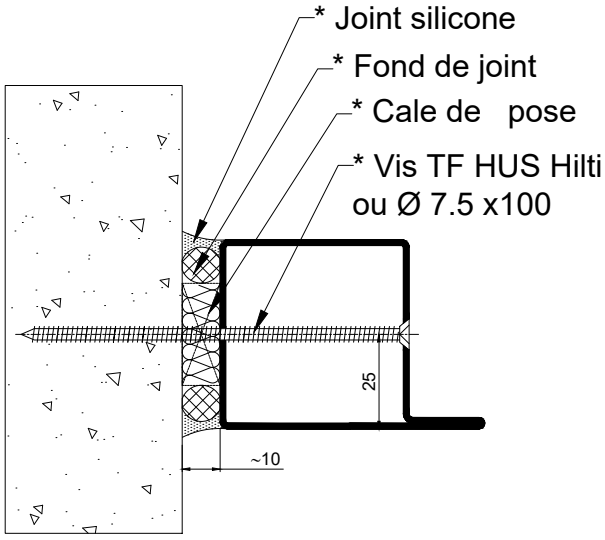
02) CALE DE VITRAGE



40 / 100

03) FIXATION ET MONTAGE



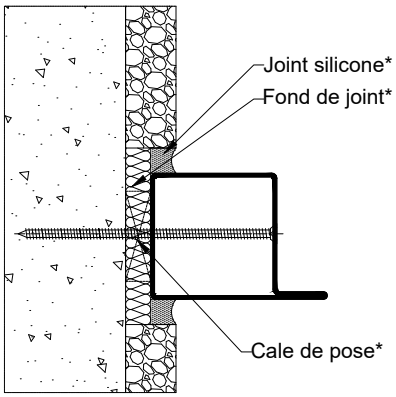


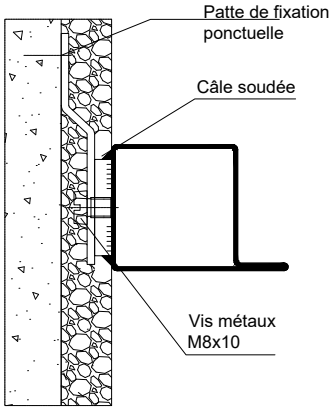
PETIT TROU ø9
GROS TROU ø20
AVEC BOUCHON

* = non fourni

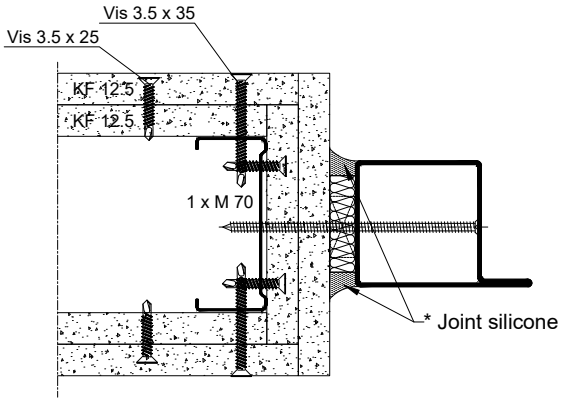
PERCE FRAISE

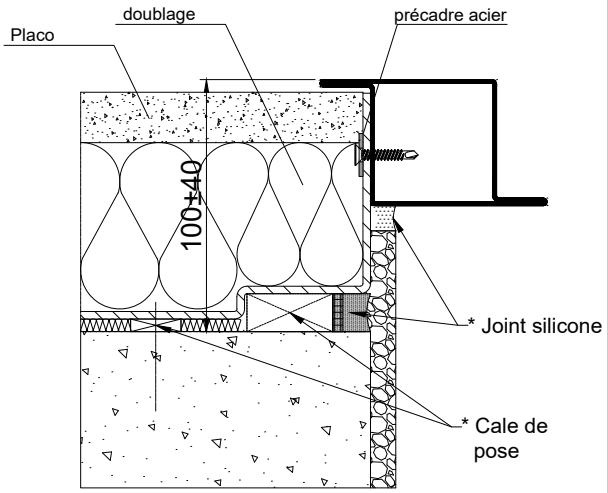
04) ENVIRONNEMENT

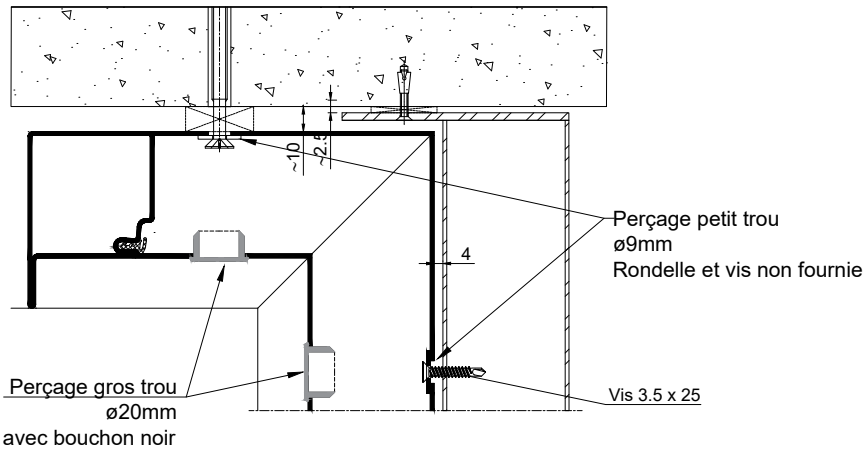


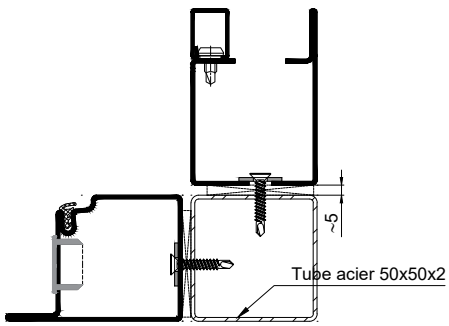


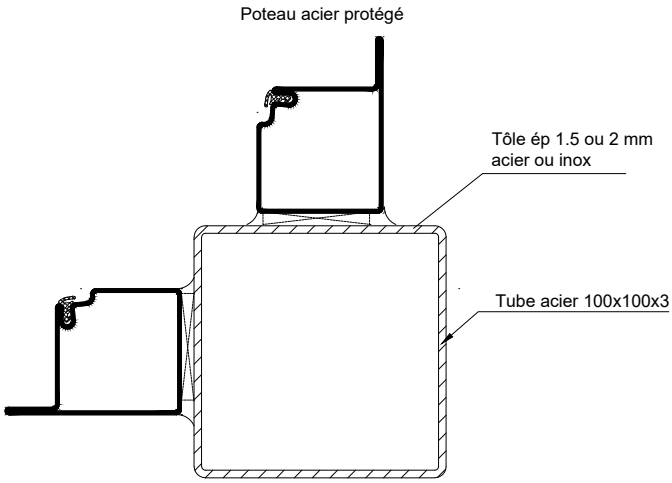
* = non fourni



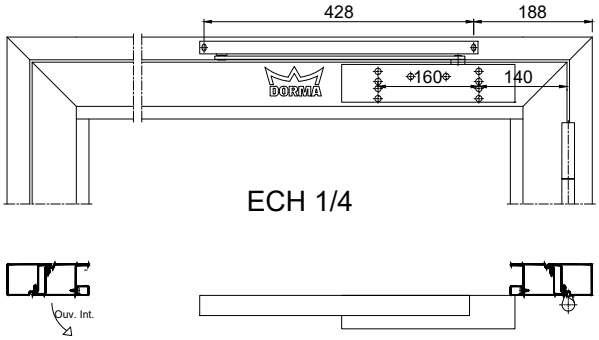


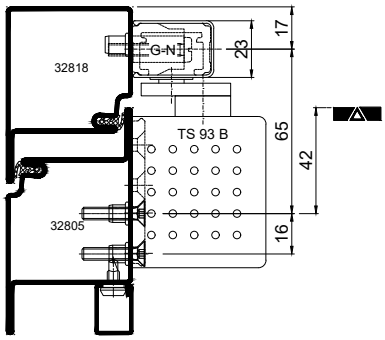


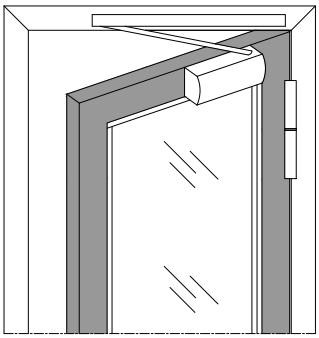




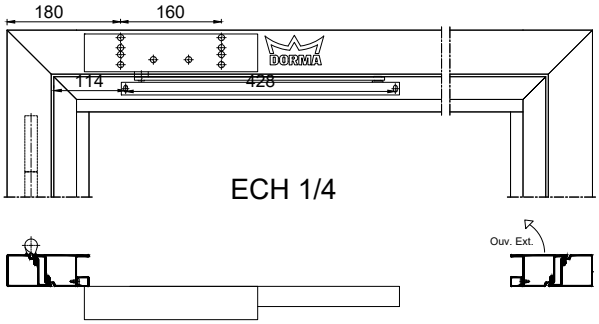
01) FERME PORTE TS93 B / MONTAGE CÔTE PAUMELLES

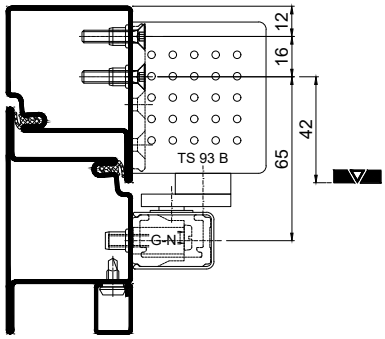


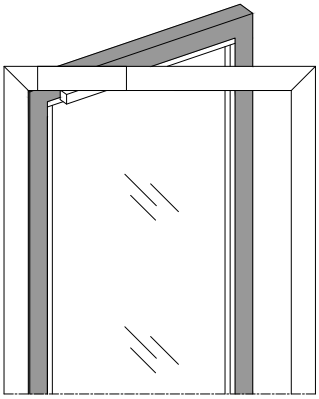




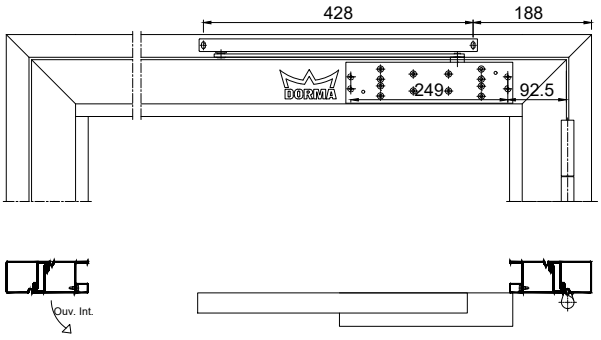
02) FERME PORTE TS93 B / MONTAGE CÔTE OPPOSE AUX PAUMELLES

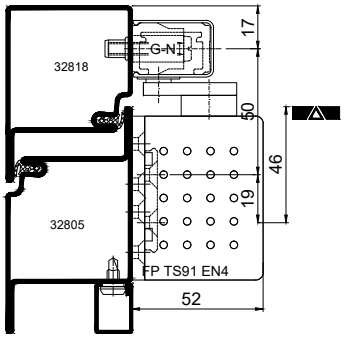


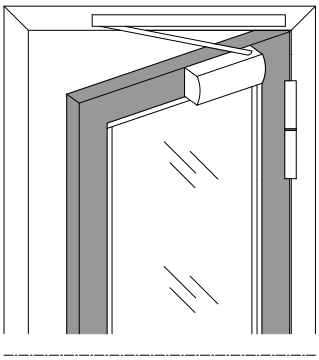




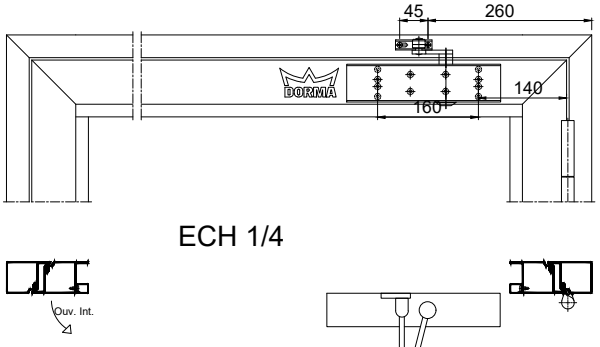
03) FERME PORTE TS91 MONTAGE CÔTE PAUMELLES

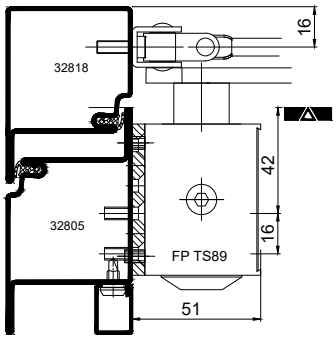


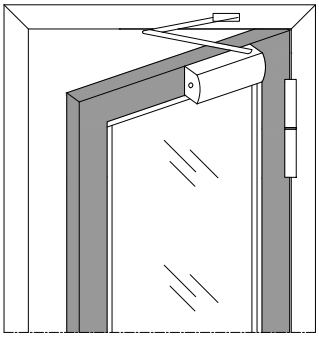




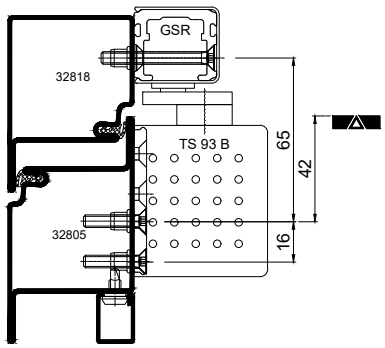
04) FERME PORTE TS89F MONTAGE CÔTE PAUMELLES

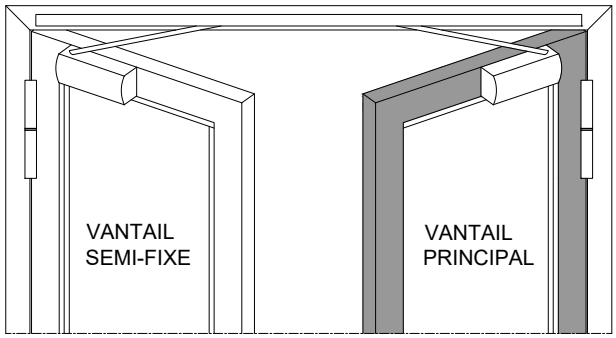


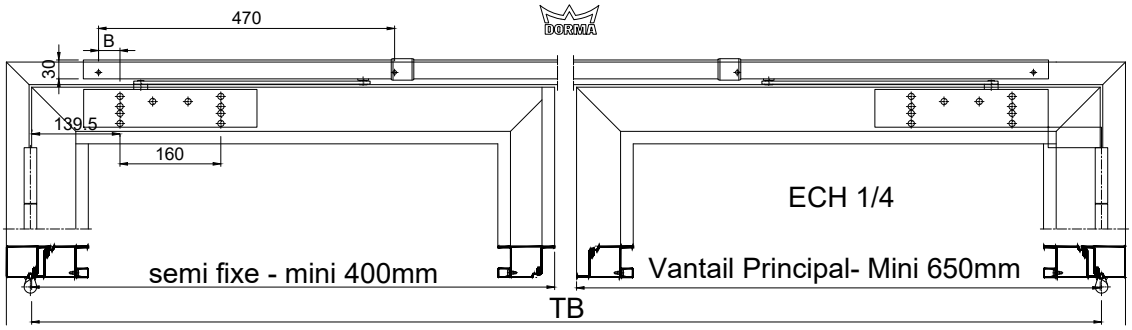




05) FERME PORTE TS93 B AVEC BANDEAU GSR MONTAGE CÔTE PAUMELLES

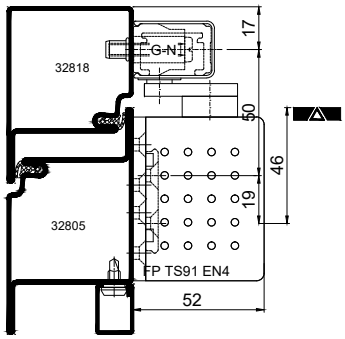


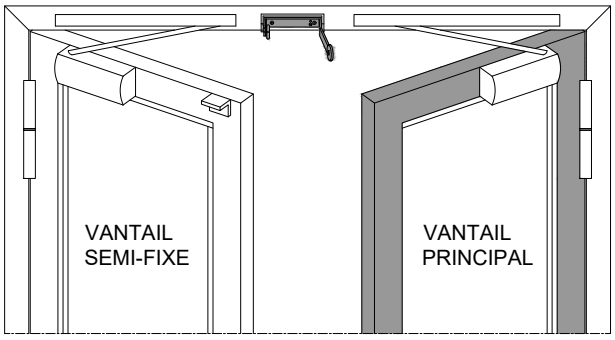


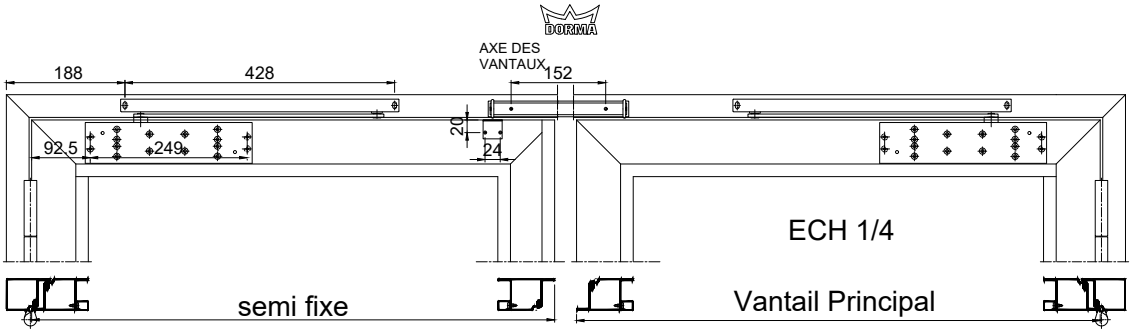


B (mm)	TB (mm)
88	1220-1350
34	1351-3200

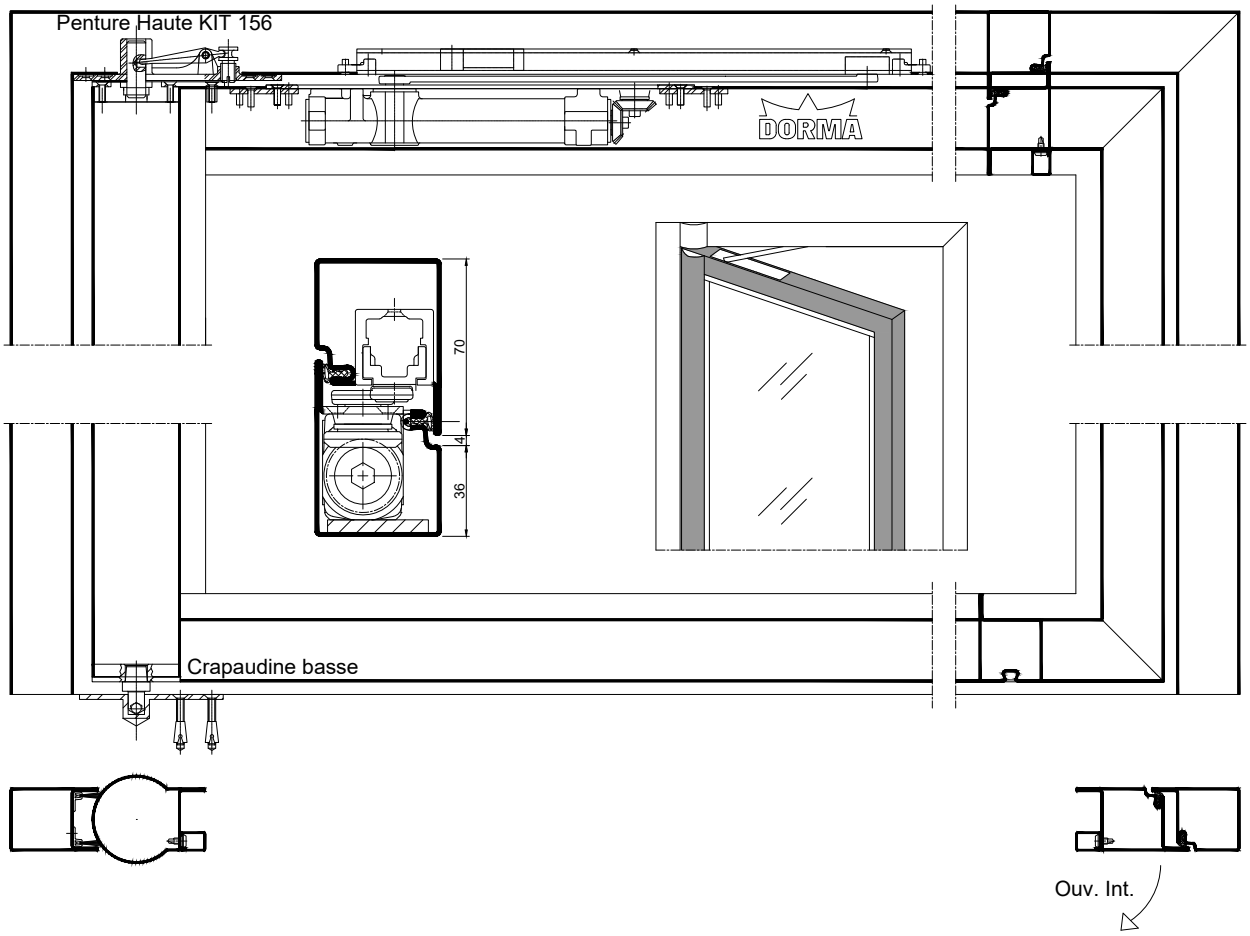
06) FERME PORTE TS91 AVEC SELECTEUR SP81 EN APPLIQUE CÔTE PAUMELLES



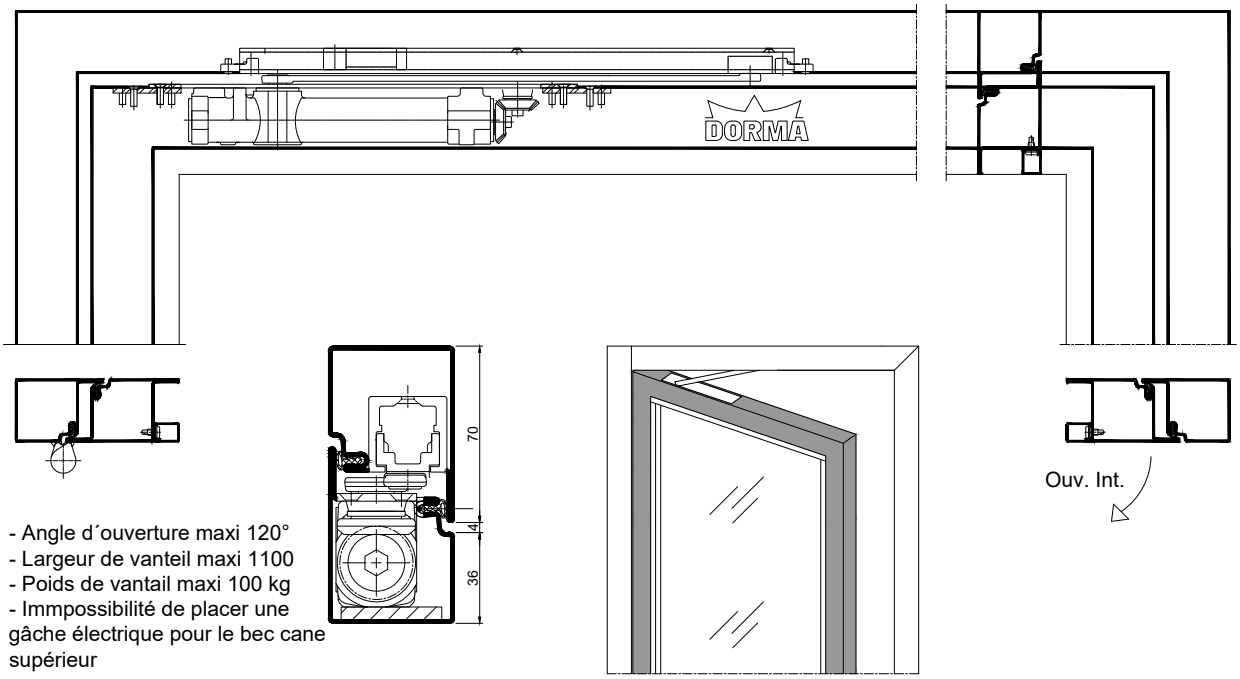




07) FERME PORTE ENCASTRE IT96 SUR PIVOT

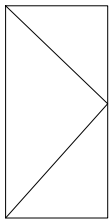


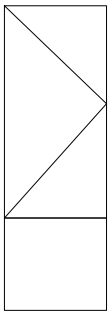
08) FERME PORTE ENCASTRE IT96 SUR PAUMELLES

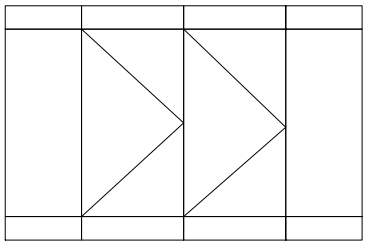


- Angle d´ouverture maxi 120°
- Largeur de vanteil maxi 1100
- Poids de vantail maxi 100 kg
- Immpossibilité de placer une gâche électrique pour le bec cane supérieur

1) FENÊTRE 1 VANTAIL

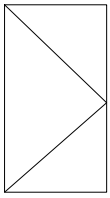






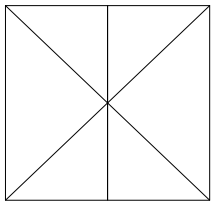
Fenêtre 1 Vantail
Ouvrant à la française
Ferrage standard

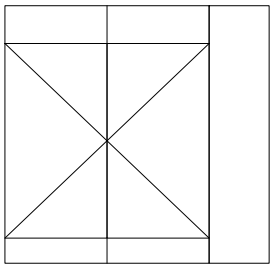
Possibilité d'intégrer:
montants, traverses,
imposte, partie fixe,
remplissage panneau,
cintrage

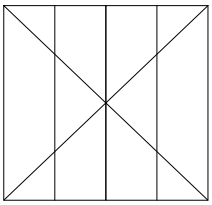


FFB: 290 – 1600 mm
FFH: 520 – 2400 mm
GH: 260 - 1200 mm
Poids: max 150 kg

2) FENÊTRE 2 VANTAUX

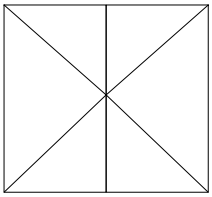






Fenêtre 2 Vantaux
Ouvrant à la française
Ferrage standard

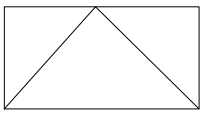
Possibilité d'intégrer:
montants, traverses,
imposte, partie fixe,
remplissage panneau,
cintrage

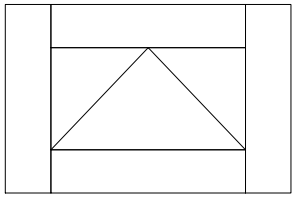


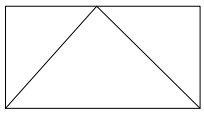
FFB: 290 – 1600 mm
FFH: 520 – 2400 mm
GH: 260 - 1200 mm
Poids: max 150 kg

SFB: 290 – 1600 mm
SFH: 520 – 2400 mm
Poids: max 150 kg

3) SOUFFLET





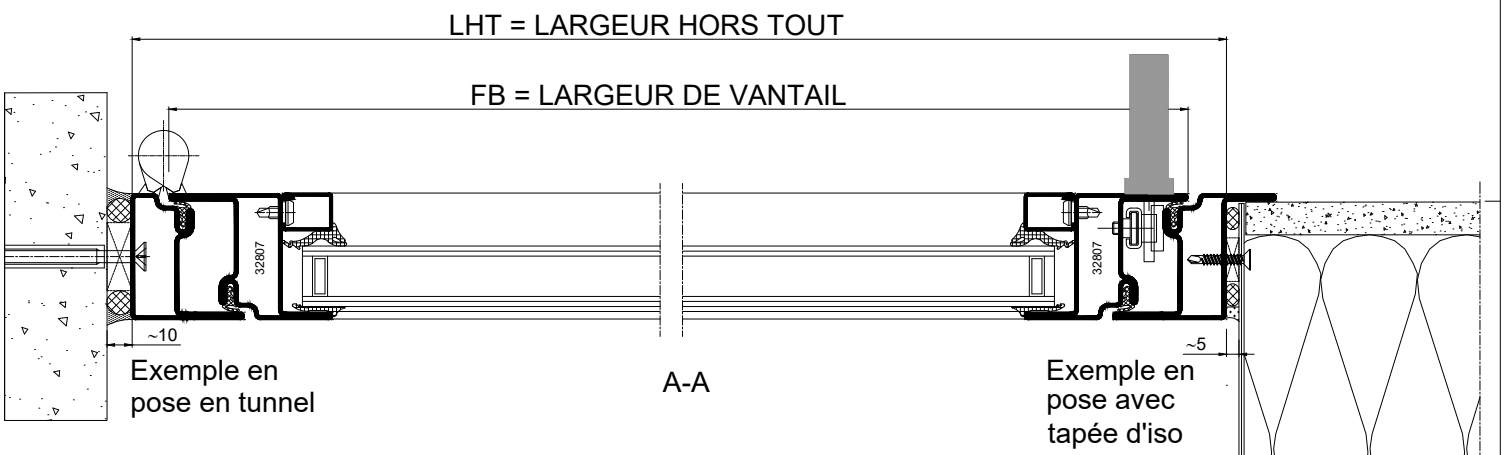


Souflet
Ouvrant à la française
Ferrage sur paumelles soudées
Manoeuvre par béquille
Manoeuvre par ferme imposte

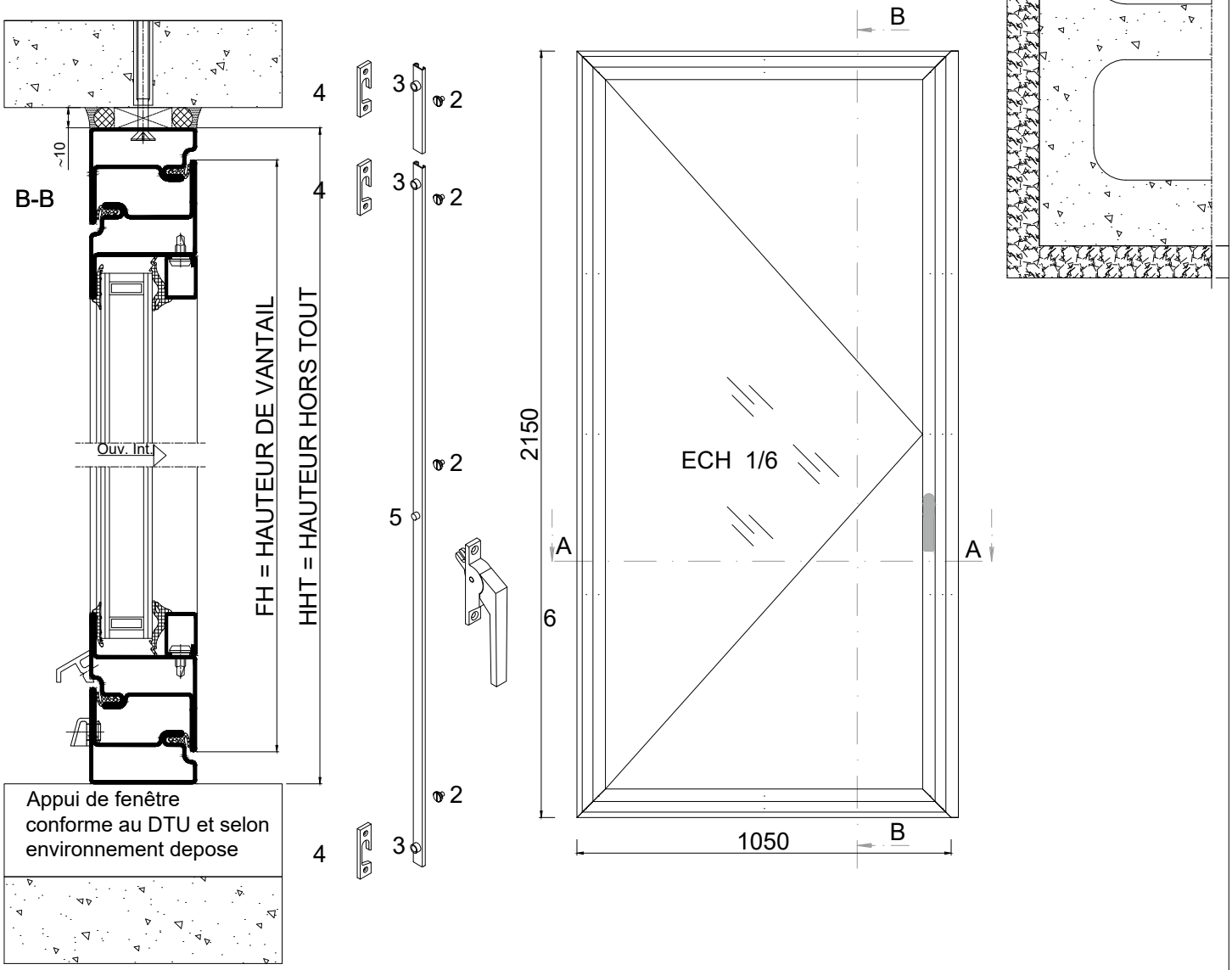
Possibilité d'intégrer:
montants, traverses,
imposte, partie fixe,
remplissage panneau,
cintrage

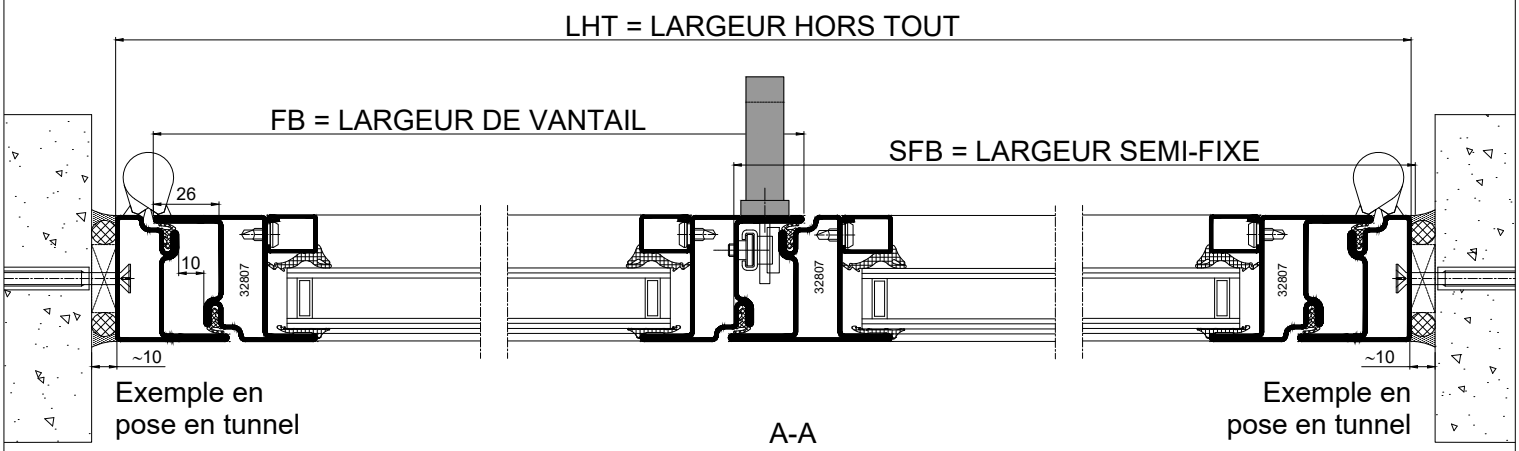
FFB: 520 – 2400 mm
FFH: 350 – 1200 mm

Poids: max 80 kg

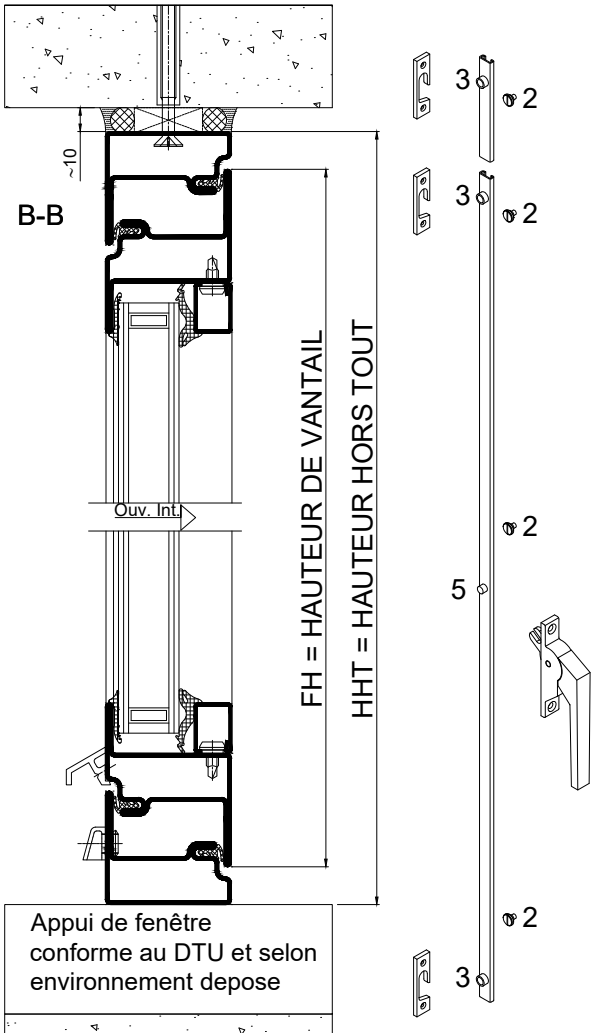


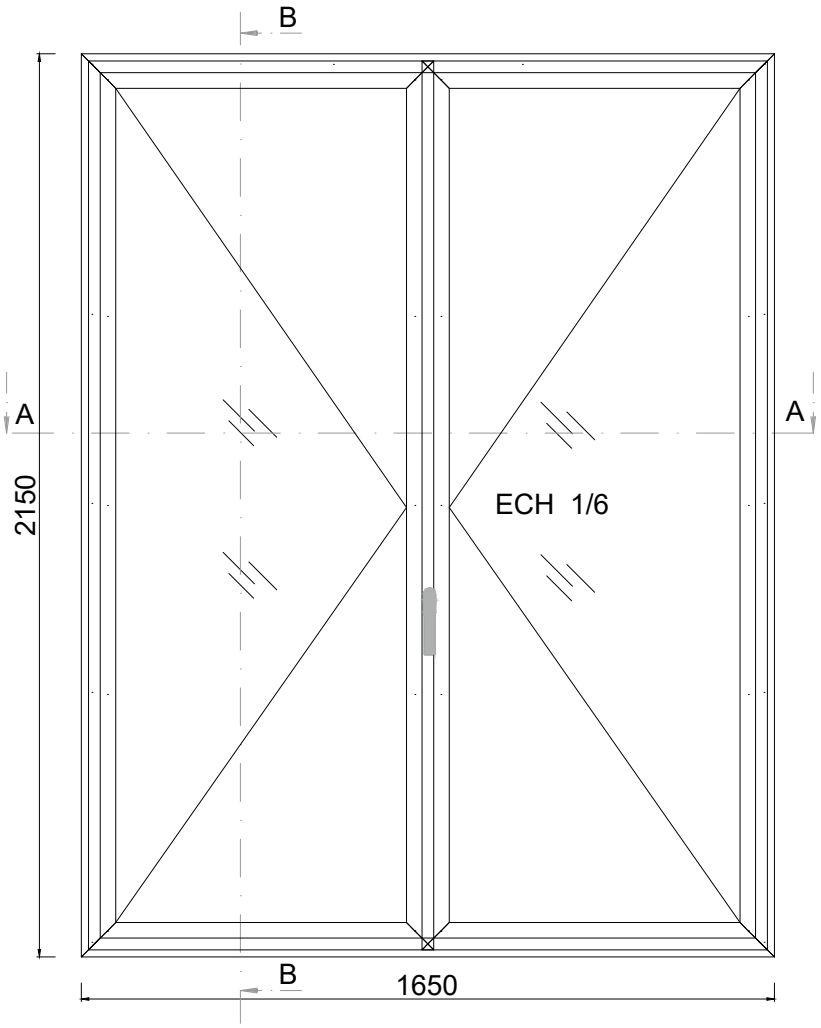
FFB (largeur de feuillure) = FB (largeur de vantail) - 52
FFH (hauteur de feuillure) = FH (hauteur de vantail) - 52
GH (hauteur de poignée)

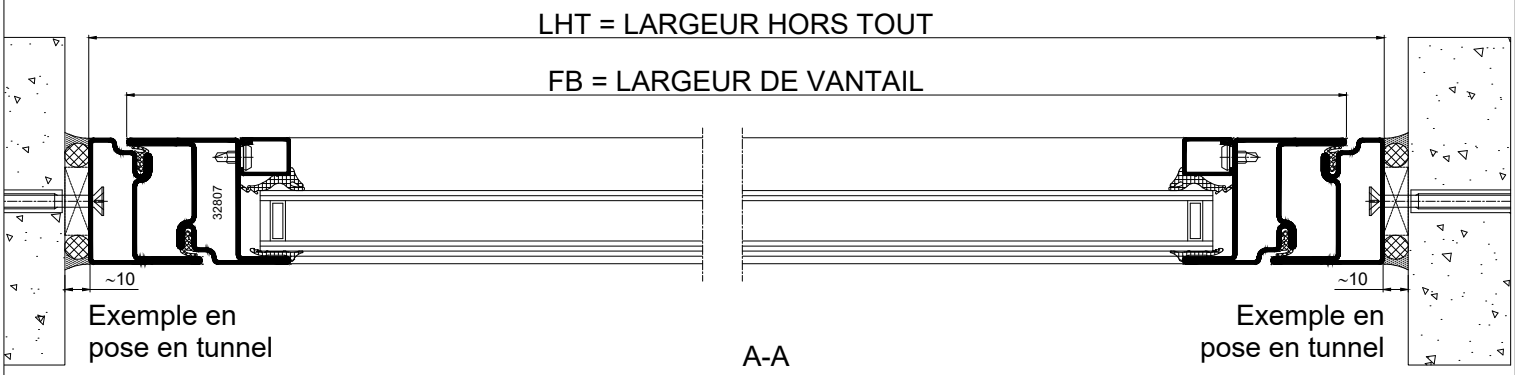




FFB (largeur de feuillure) = FB (largeur de vantail) - 52
SFB (largeur de feuillure de vantail semi fixe) = SB (largeur de vantail semi fixe) - 52
FFH (hauteur de feuillure) = FH (hauteur de vantail) - 40
GH (hauteur de poignée)

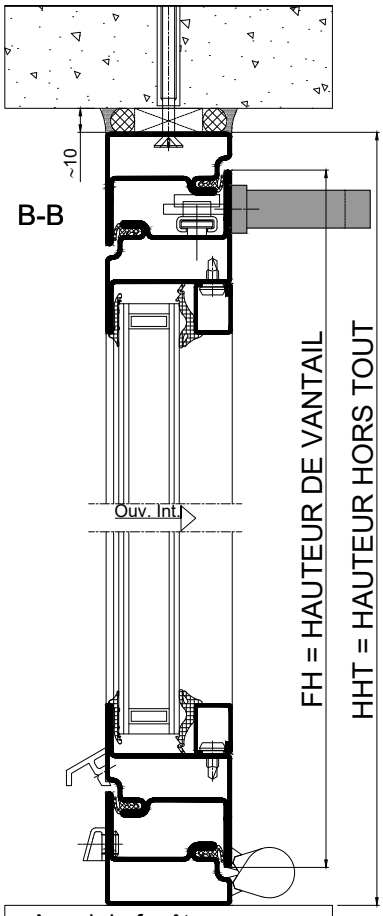




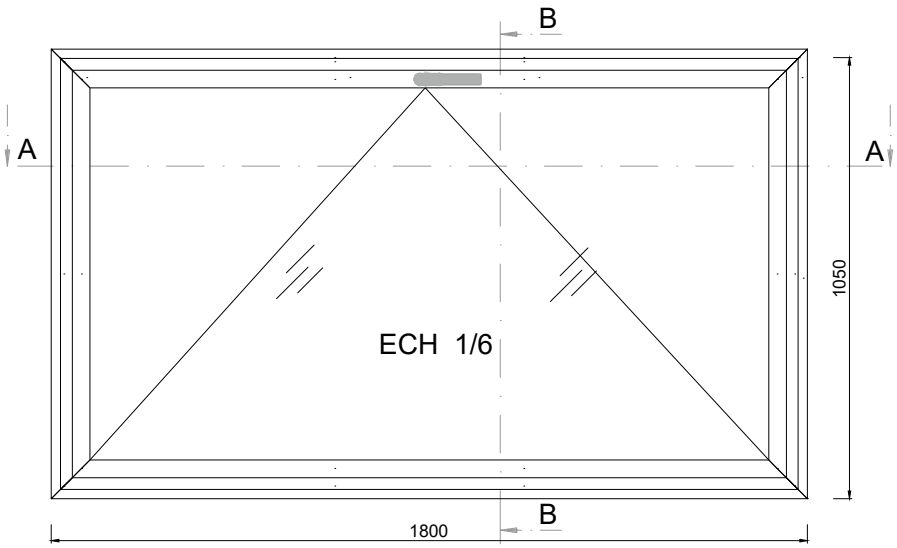


A-A

FFB (largeur de feuillure) = FB (largeur de vantail) - 52
FFH (hauteur de feuillure) = FH (hauteur de vantail) - 52

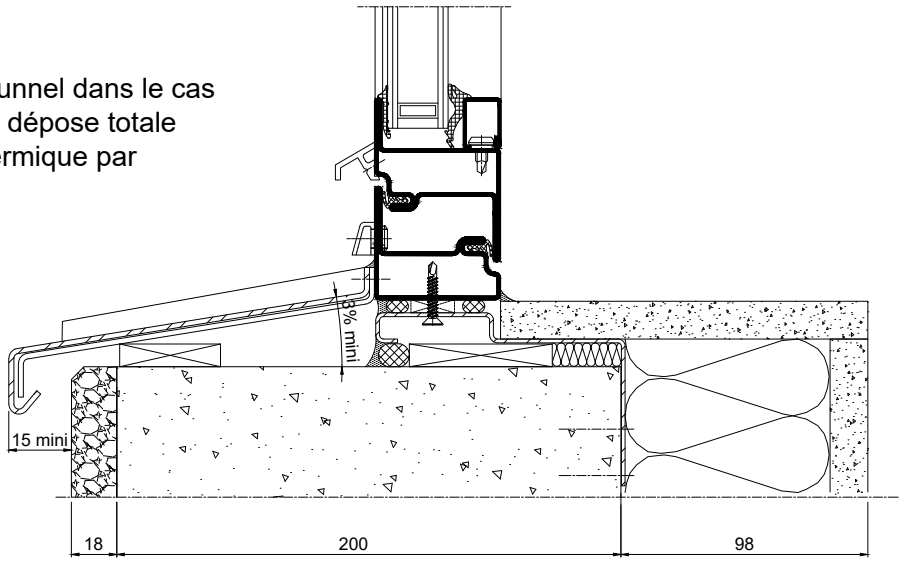


Appui de fenêtre conforme au DTU et selon environnement depose

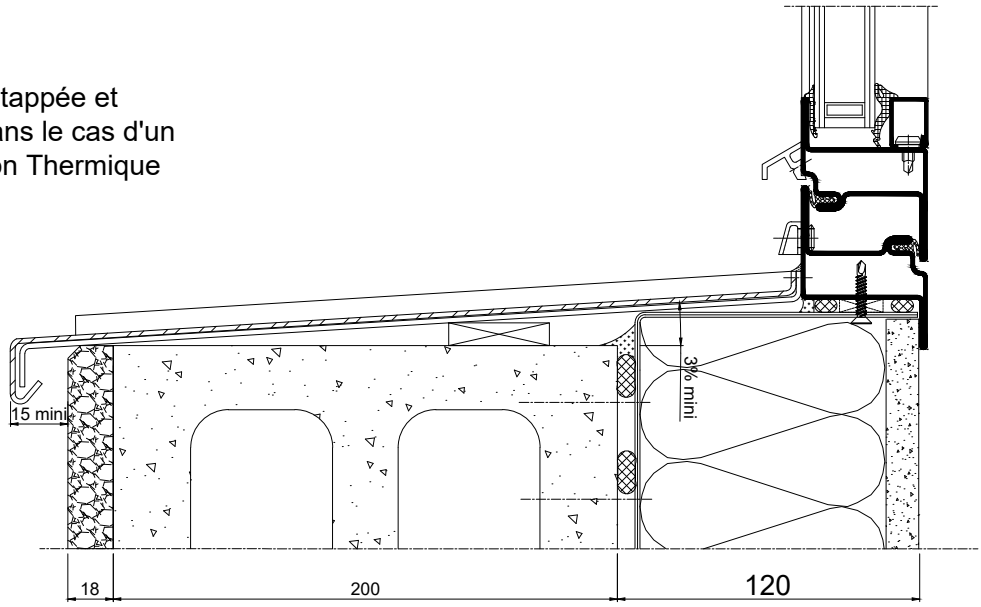


1) ETANCHEITE & RACCORD TABLEAU

Exemple de pose en tunnel dans le cas d'une rénovation avec dépose totale avec ITI: Isolation Thermique par l'Intérieure *



Exemple de pose avec tappée et reprise de doublage, dans le cas d'un batîment en ITI: Isolation Thermique par l'Intérieure *



*détails non contractuels