

Max™ 50mm POCKETED COMMERCIAL DOORS

Max Framing Systems: MCOMMDOOR - 1

MAX™ 50mm Pocket Glazed Commercial Door



FEATURES:

- 50mm thick door leaf for added strength
- Pocket Glazed stiles, simplifying assembly and improving appearance
- Meeting stiles for increased security and weathertightness
- Comprehensive range of door and track configurations
 - o Hinged doors
 - o Pivot doors
 - o Bottom track Sliding doors (250kg / 400kg)
 - o Overhead Sliding doors (250kg)
 - o Multi track options for bottom or Overhead Sliding
- Door systems integrate with all Max & U-Max Double Glazed Framing systems
- Standard and Wide Stile Options
- 60mm and 120mm Midrail options
- Accepts 24mm to 28mm IGU's
- Identical sight lines of U-Max door, can be used in same project

FABRICATION:

- Square cut manufacture
- Simple panelized assembly

PRODUCT APPLICATIONS:

- Commercial entrances
- High end residential applications
- Apartments

ALTERNATIVE:

- 45mm Beaded door which can be single or double glazed
- U-Max Beaded door - identical sight lines, thermally broken

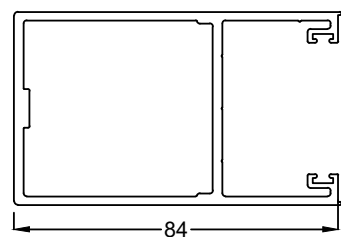
NOTE:

- Designed as a double glazed door only for strength, clean lines and simplicity of assembly and glazing

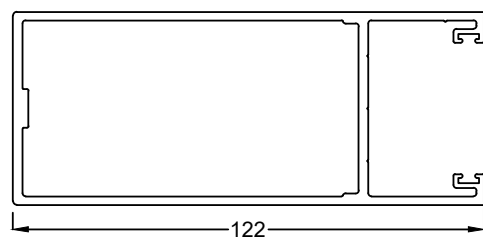


Mannix College, Monash University
MAX™ Commercial Door, Awnings, Automated Louvres

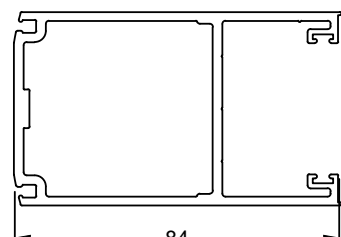
Max™ 50mm POCKETED COMMERCIAL DOORS
Max Framing Systems: MCOMMDOOR - 2
Extrusion ID



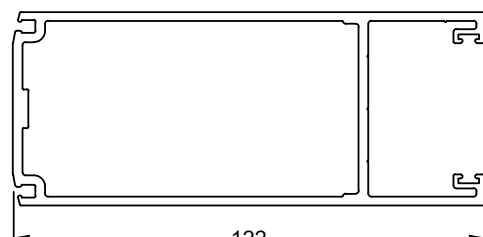
C9700
DG Plain Stile



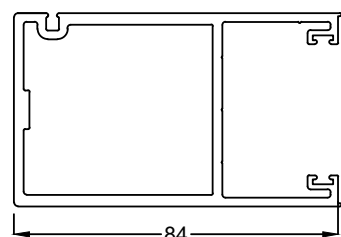
C9706
Wide DG Plain Stile



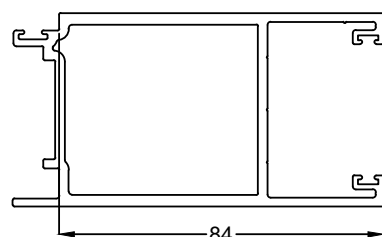
C9701
DG Pivot Stile



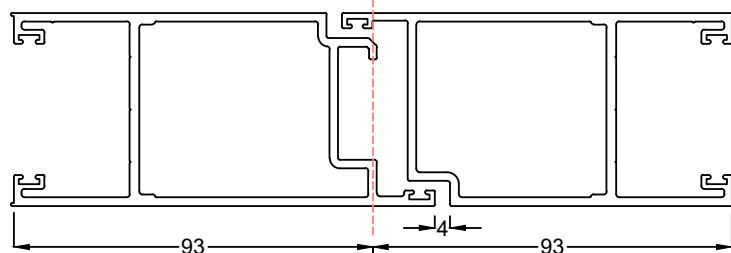
C9707
Wide DG Pivot Stile



C9703
DG Wiper Stile

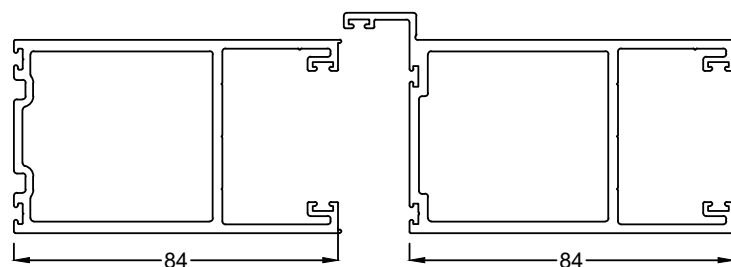


C9734
DG OXXO Stile



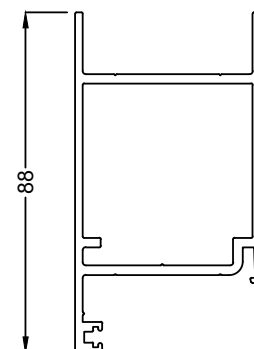
C9704
DG Receiver Stile

C9705
DG Lock Stile (pairs)

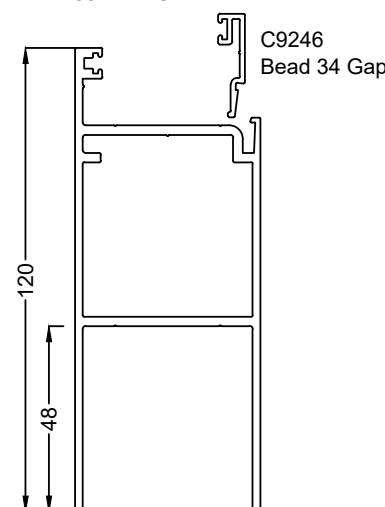


C9730
DG Bifold Stile

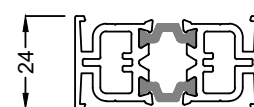
C9710
DG Bifold Receiver Stile



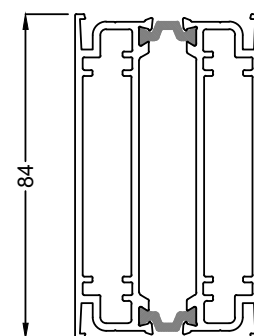
C9712
88mm DG Rail



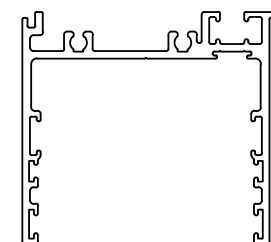
C9713
120mm DG Rail



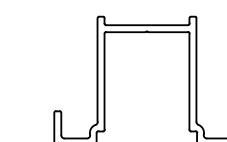
C9447U
60mm Midrail



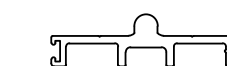
C9448U
120mm Midrail



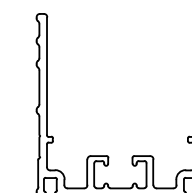
C9381
60mm Sliding Head/Jamb Track



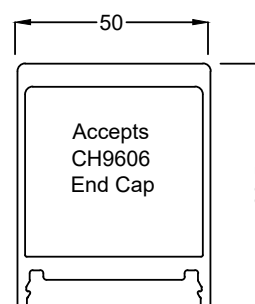
C9382
Closing Jamb infill



C9384
Snap in Sill track

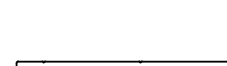


C9394
Bottom Rail Insert

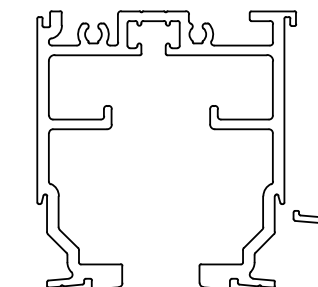


C9728
Plant on Box

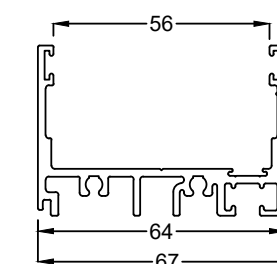
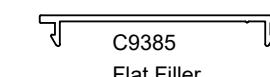
C9729
Plant on Box Adaptor



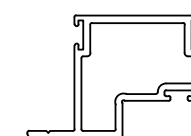
C9565
Plant on Door Stop - suit 50mm door



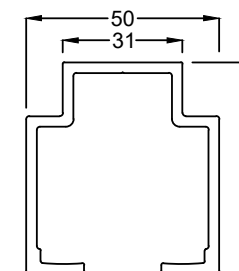
C9387
Tommaslide 250kg Top Track



C9383
44mm Sill Track

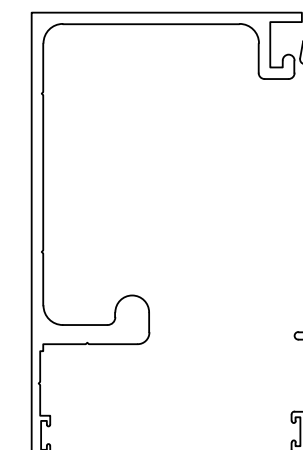


C9392
44mm Track Insert



C4940
Facadefold Track

C9388
Track cover

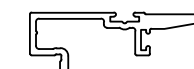


C9389
Pelmet suit 50mm door

C453
Sliding Door Track

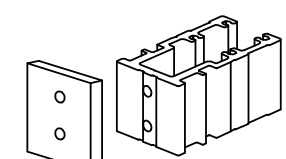


C9390
Top Track Bracket
(sold as part)

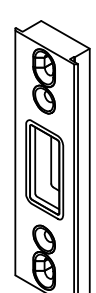


C9386
Sliding Interlock

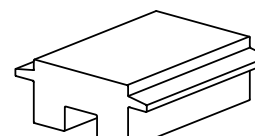
Max™ 50mm POCKETED COMMERCIAL DOORS
Max Framing Systems: MCOMMDOOR - 3
Component ID




CH9610
Pocketed Door
Spigot & Backing Plate package



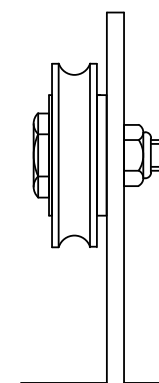
CH9593
Striker Block



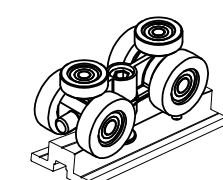
CH9608
Heel & Toe setting block



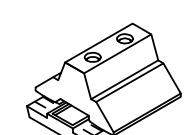
CHPLUG10
10mm dia Hole Plug



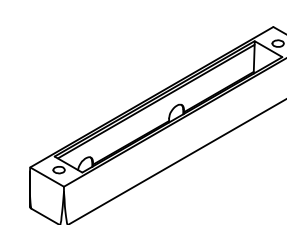
CH10
Top roller Assembly
250kg



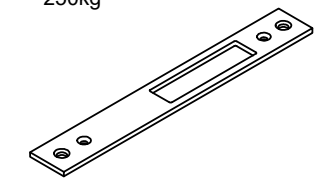
CH9591
Tommaslide roller assembly incl
Bracket & Locknut
300kg



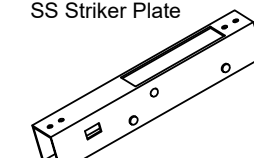
CH2029CA
Tommaslide End Stop



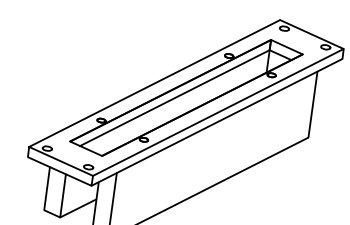
CH9640
Mortice Lockstrike Packer
Suit Lockwood 3541



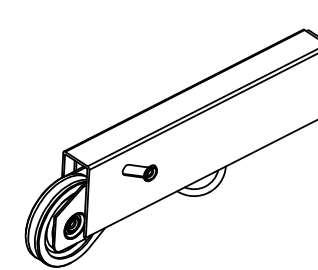
CH9641
SS Striker Plate



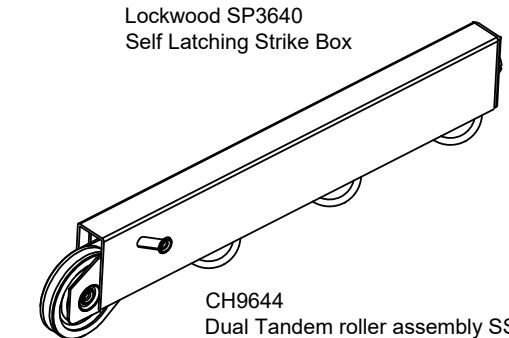
Lockwood SP3640
Self Latching Strike Box




CH9582
Tandem Roller Shroud




CH9583
Tandem roller assembly SS
300kg




CH9644
Dual Tandem roller assembly SS
400kg




CH9550
RPVC Filler




CH9552
RPVC Short Thermal
Separator




CH9553
RPVC Large Thermal
Separator




CH9500
3mm wedge PVC




CH9501
4mm wedge PVC




CH9502
5mm wedge PVC




CH9503
7mm wedge PVC




CH9522
Co-Ex door stop
suit hinged doors



PB69504B
Weatherpile
suit hinged doors



PBF69554B
Weatherpile with Fin
suit sliding doors

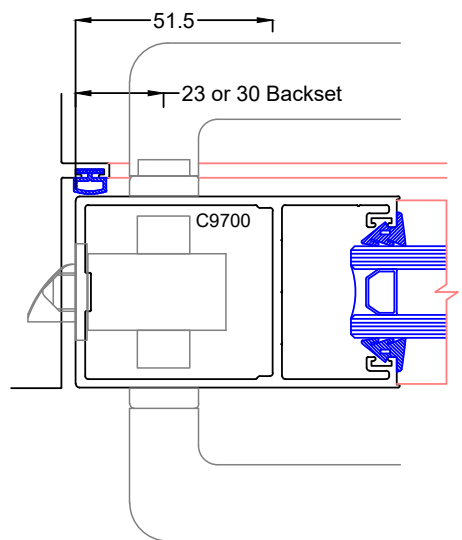


PB48553B
Weatherpile
Door Meeting Stiles

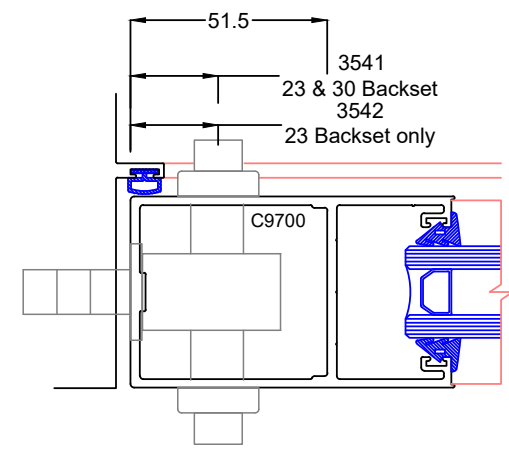
Lockwood Door Stile & Lock Options

Narrow stiles accept Lockwood Selector, 3540 or 3580 Series narrow mortice locks.

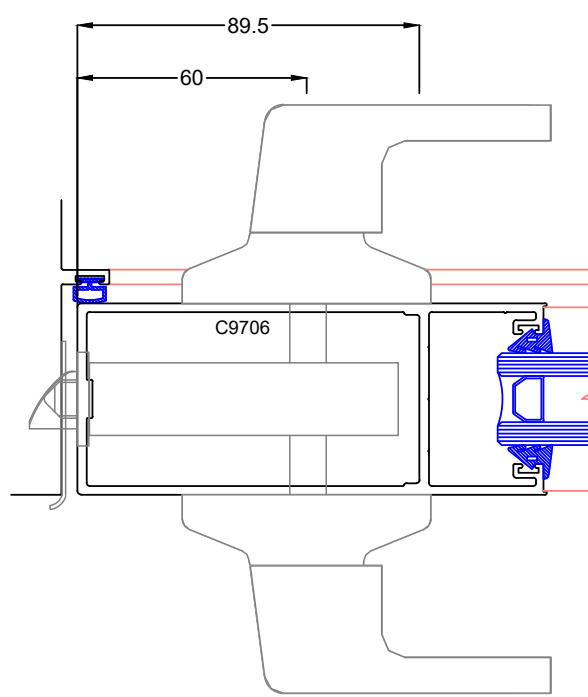
3782 Selector (23 backset)
5782 Selector (30 backset)
Used as self latching hinged doors with lever handles.



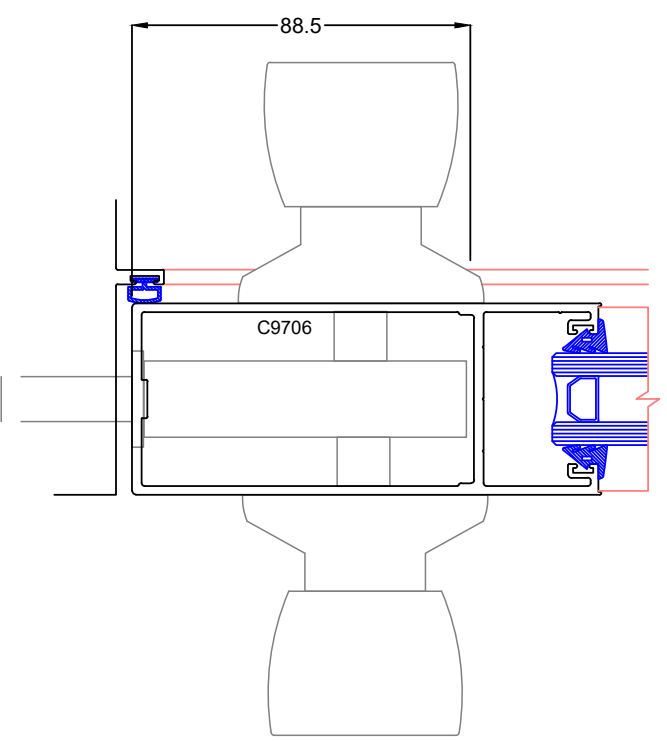
3541 or 3542 Series
Used when self closing (on overhead closer) and non-latching on hinged and pivot doors. Typically this is used in conjunction with push / pull handles.



3772 Series with 60mm backset
Used with wide stiles as self latching hinged doors with lever handles.



3570, 3571, 3572 Series with 60mm backset
Used with wide stiles as a hinged door with a variety of furniture options



Max™ 50mm POCKETED COMMERCIAL DOORS

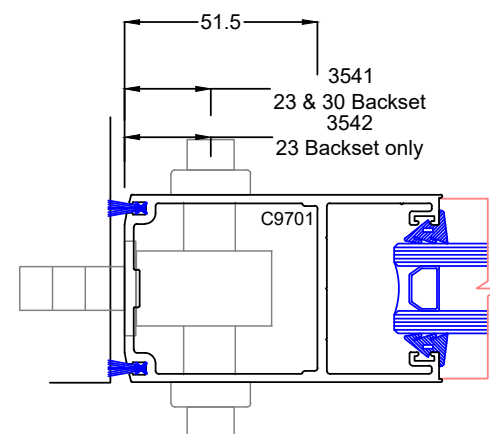
Max Framing Systems: MCOMMDOOR - 4

Lockwood Sliding Door & Lock Options

Narrow stiles accept Lockwood 3540 or 3580 Series narrow mortice locks.

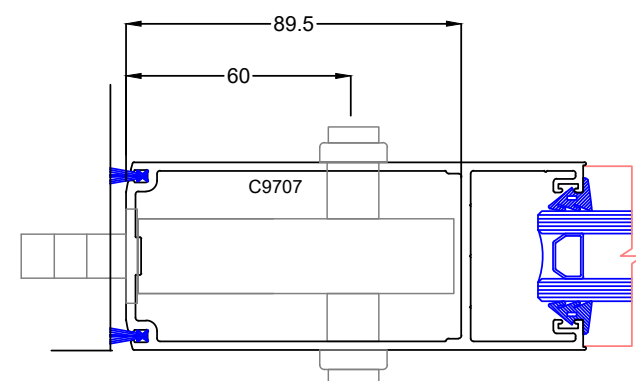
3541 or 3542 Series

Used when self closing (on overhead closer) and non-latching on hinged and pivot doors. Typically this is used in conjunction with push / pull handles.

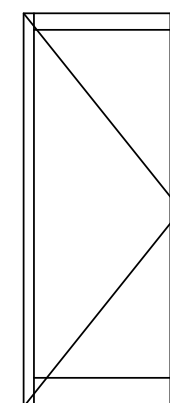


3573 Series with 60mm backset

Used with wide stiles as a sliding door

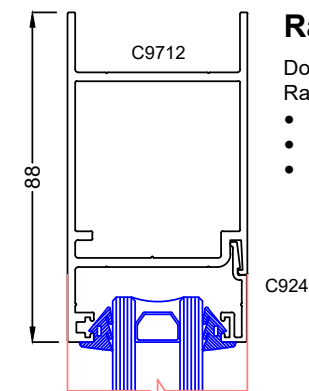


Hinged Door



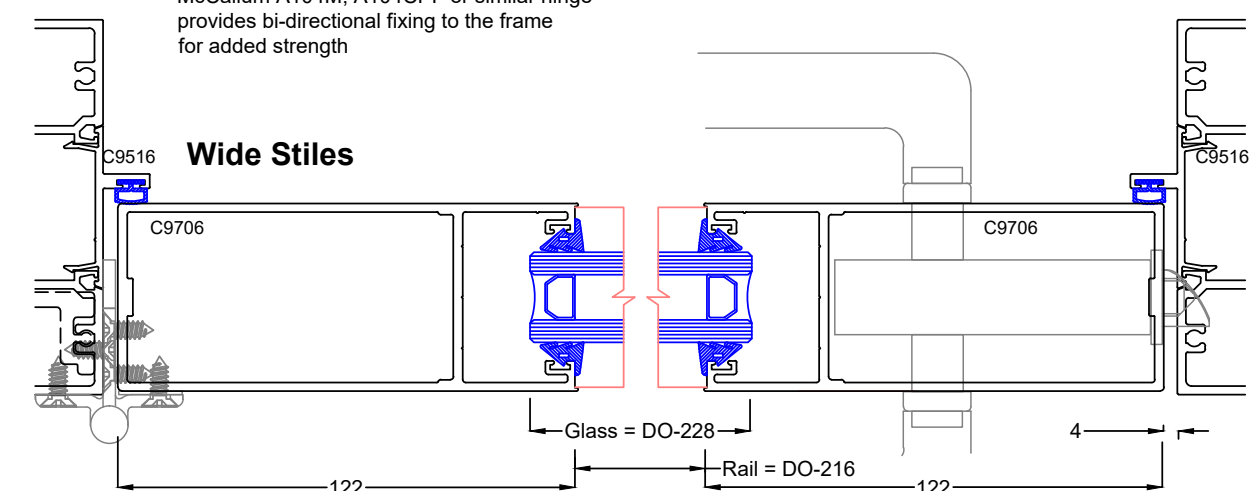
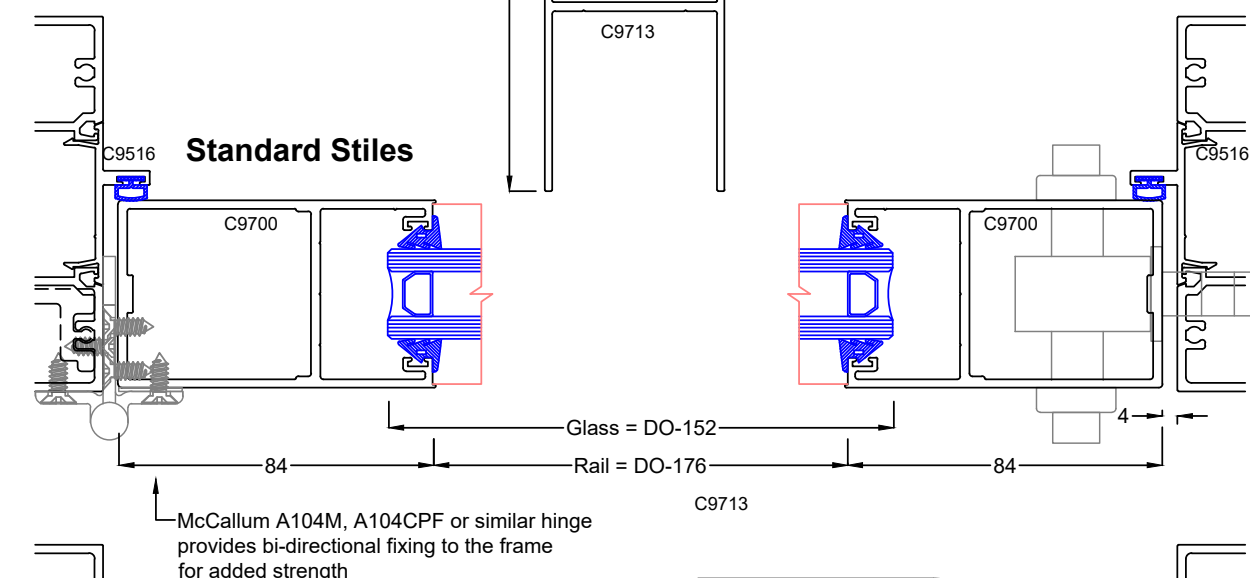
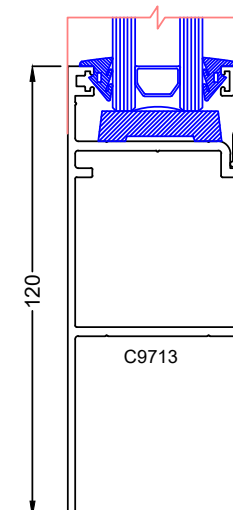
Note:
Maximum Height: 3000
Maximum Width: 1000
Recommended min 3 hinges per leaf
4 Hinges over 2400

Standard Top & Bottom Rail



Rail Options

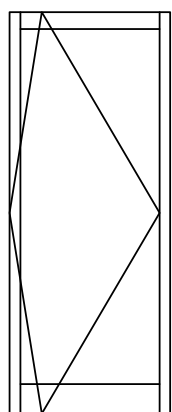
Doors can be manufactured using the following Rail combinations:
Rail combinations:
• 88mm Rail at Top & 120mm Rail at Bottom
• 88mm Rail Top & Bottom
• 120mm Rail Top & Bottom.
The 120mm Rail matches the sight line of wide stiles & Max or U-MAX framing midrails.



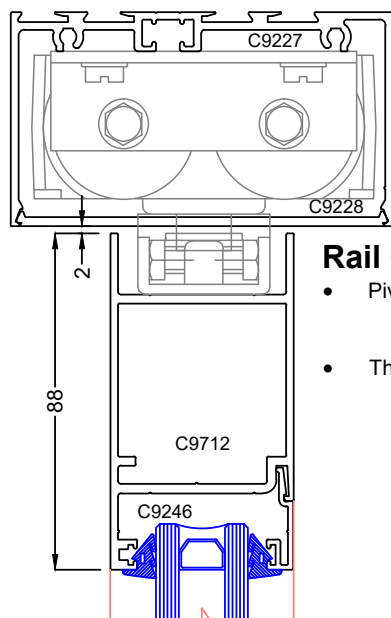
Max™ 50mm POCKETED COMMERCIAL DOORS

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Pivot Door

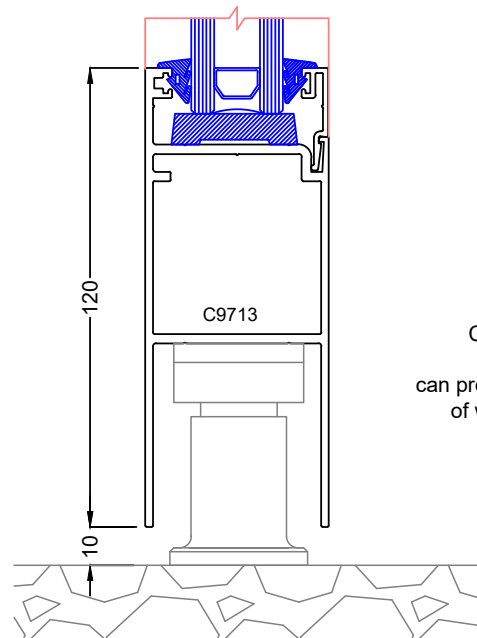


Note:
Maximum Height: 3000
Maximum Width: 1000

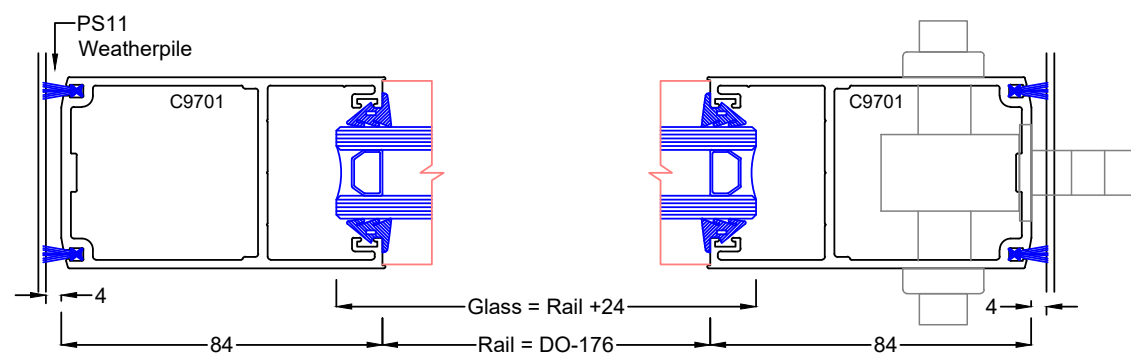
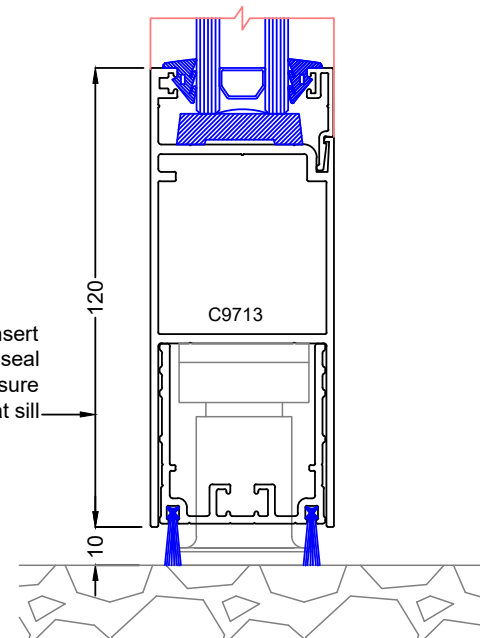


Rail Options

- Pivot doors usually use the 88 top rail and 120mm bottom rail which best suits standard COC closer hardware.
- The 120 deep rail can be used top & bottom, but the pivot arm needs to be packed out to suit.



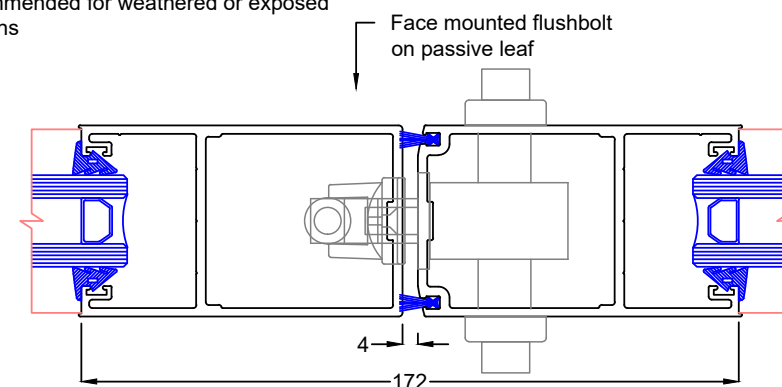
C9394 Rail insert with PS16 seal can provide a measure of weathering at sill



Meeting Stile configurations for pairs of doors

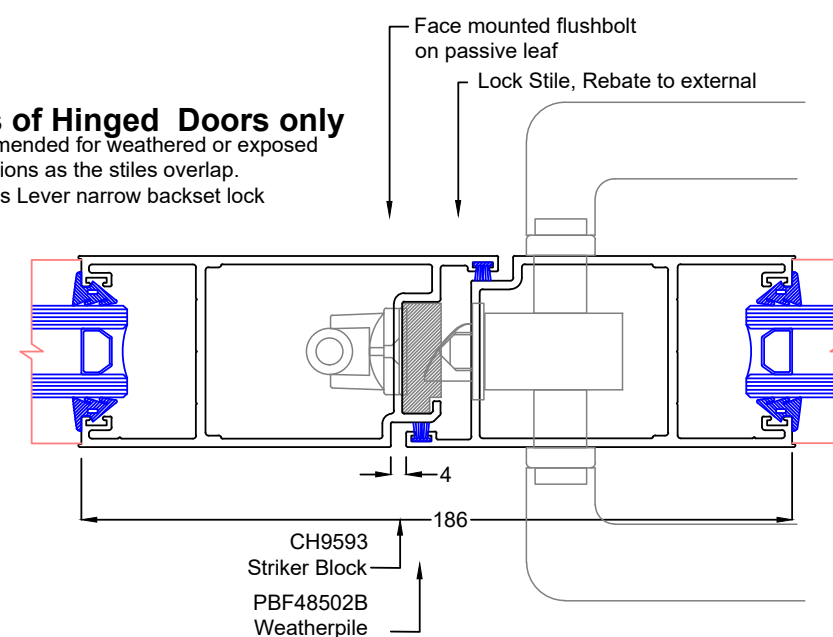
Pairs of Hinged, Pivot or Sliding Doors

Not recommended for weathered or exposed applications



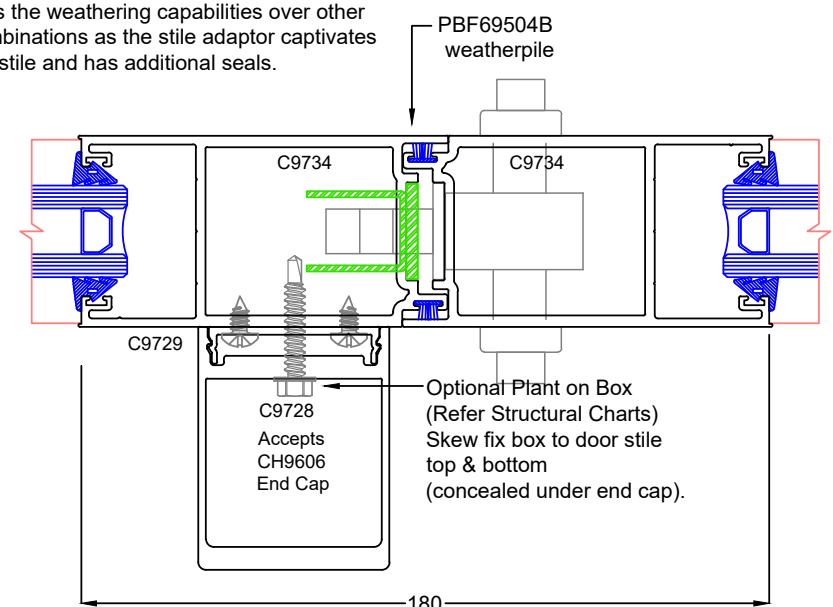
Pairs of Hinged Doors only

Recommended for weathered or exposed applications as the stiles overlap.
Requires Lever narrow backset lock

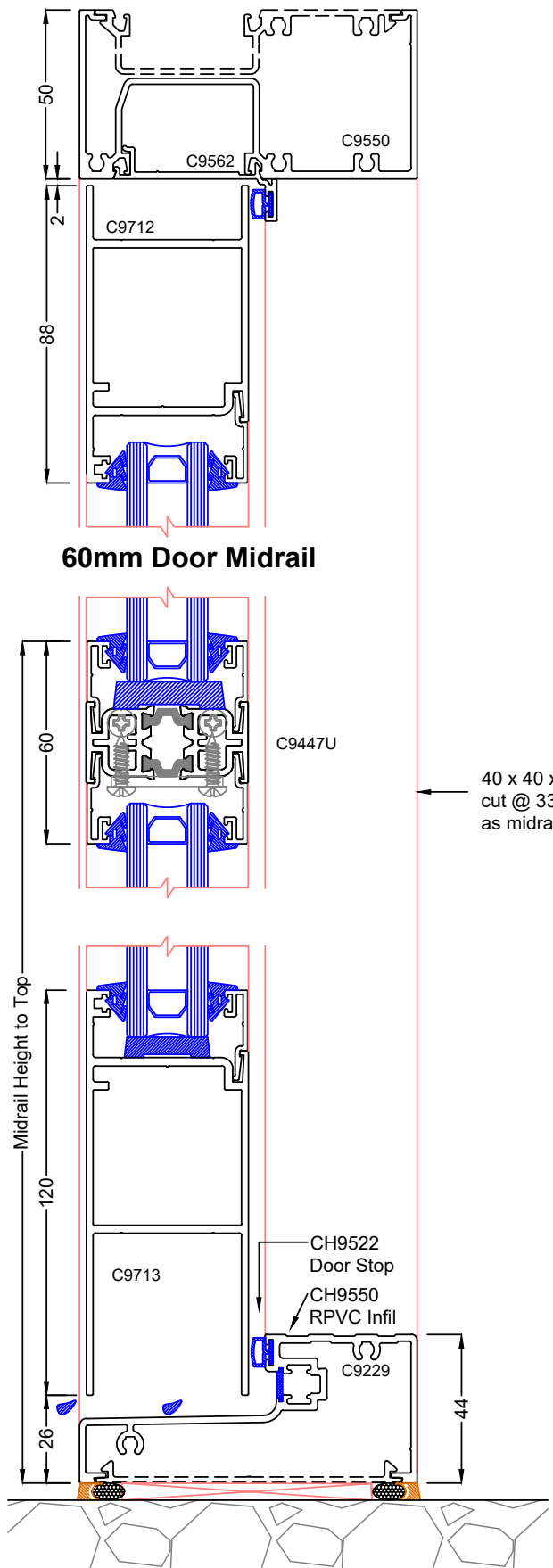


Pairs of Sliding Doors only

Improves the weathering capabilities over other stile combinations as the stile adaptor captivates the lock stile and has additional seals.

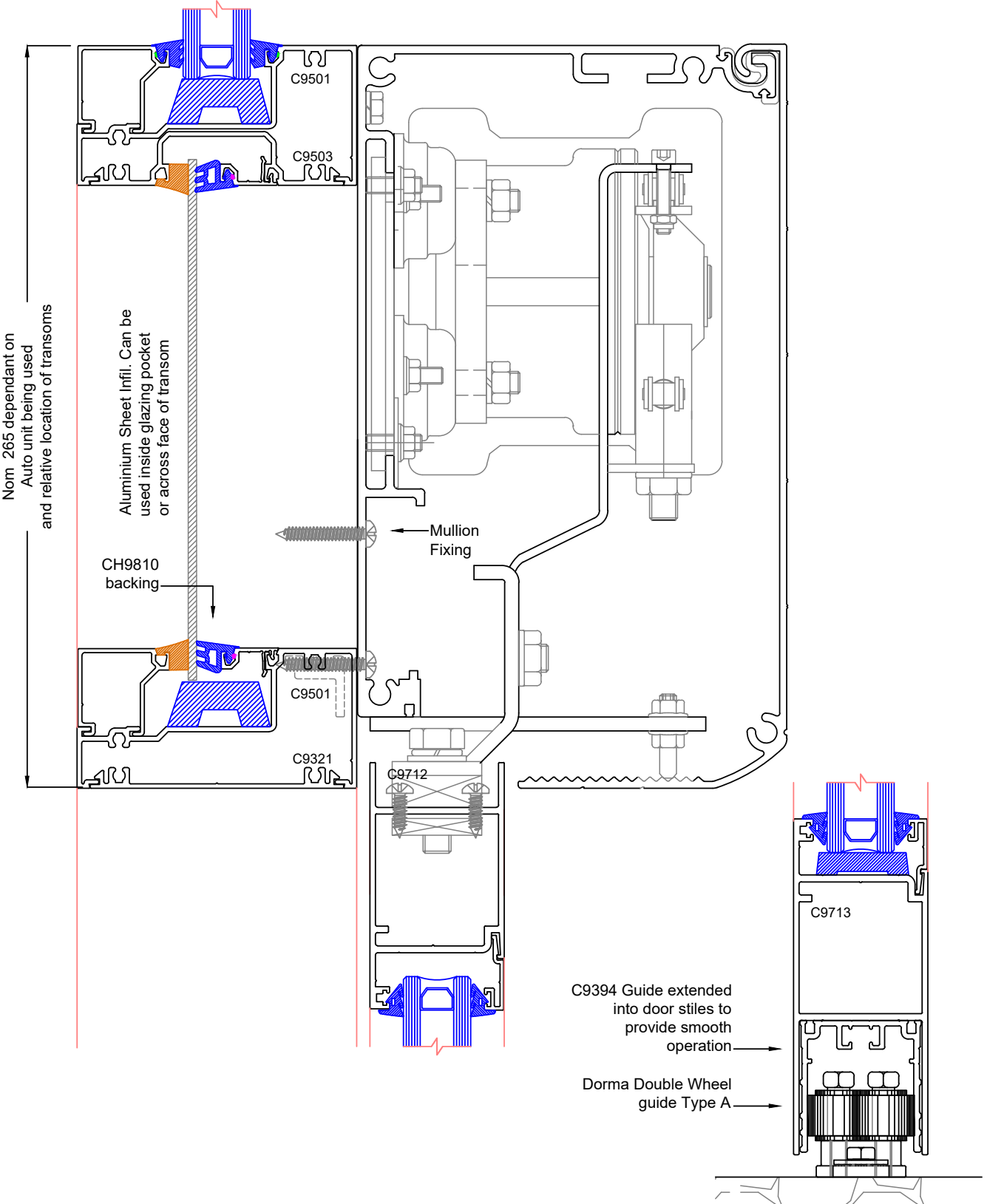


Max™ 50mm POCKETED COMMERCIAL DOORS
Max Framing Systems: MCOMMDOOR - 6
Door Midrail Options

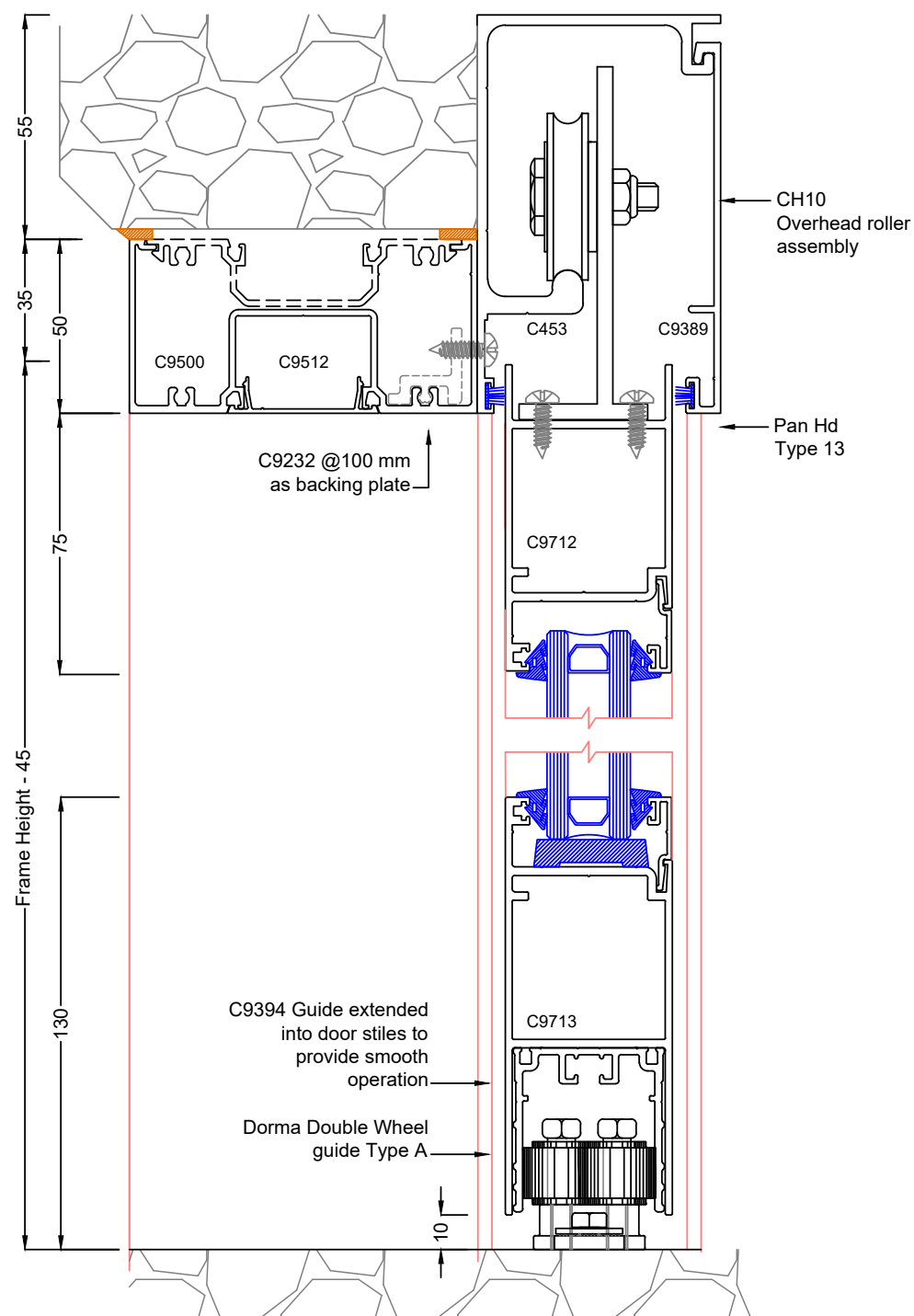


Auto Door Detail

Dorma EL301 depicted. Usually used with double transoms as shown which offers multiple fixing locations for the track and stability of the unit itself. Usually used with aluminium sheet externally which can be fixed over the face or inside the glazing pocket.



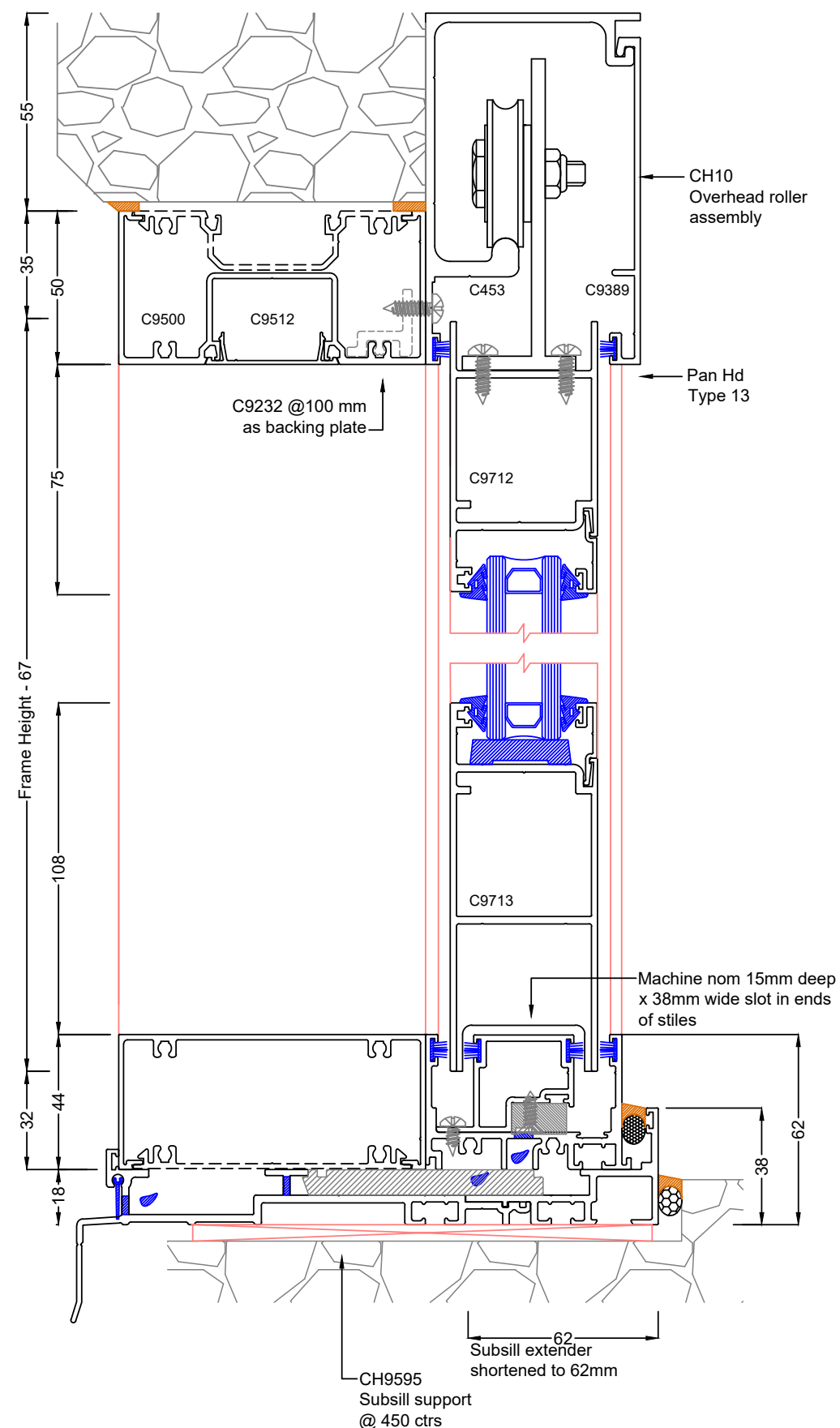
Max™ 50mm POCKETED COMMERCIAL DOORS
Max Framing Systems: MCOMMDOOR - 7
Overhead Sliding Track - 250kg Panel Weight



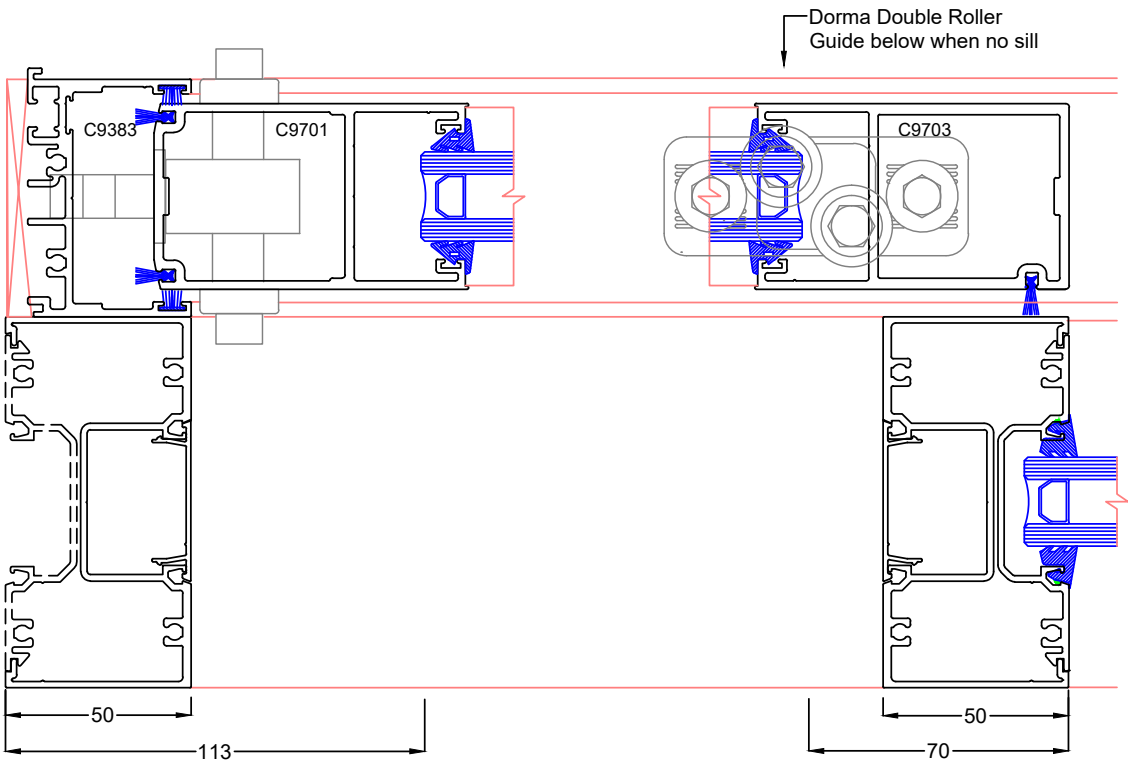
Note:

- Adaptable to all U-MAX Framing Systems
- Track usually fitted internally
- Easy adjustment with removable track pelmet
- Single sliding panel or pairs of panels
- Cannot be used as multi slide
- Height and width of panel limited by weight and strength of interlocking mullion or stile
- Can be used with C9383 sill track (see 100CDG for more details)
- Maximum Height: 2700
- Maximum Width: 2000
- Maximum weight per leaf: 250kg

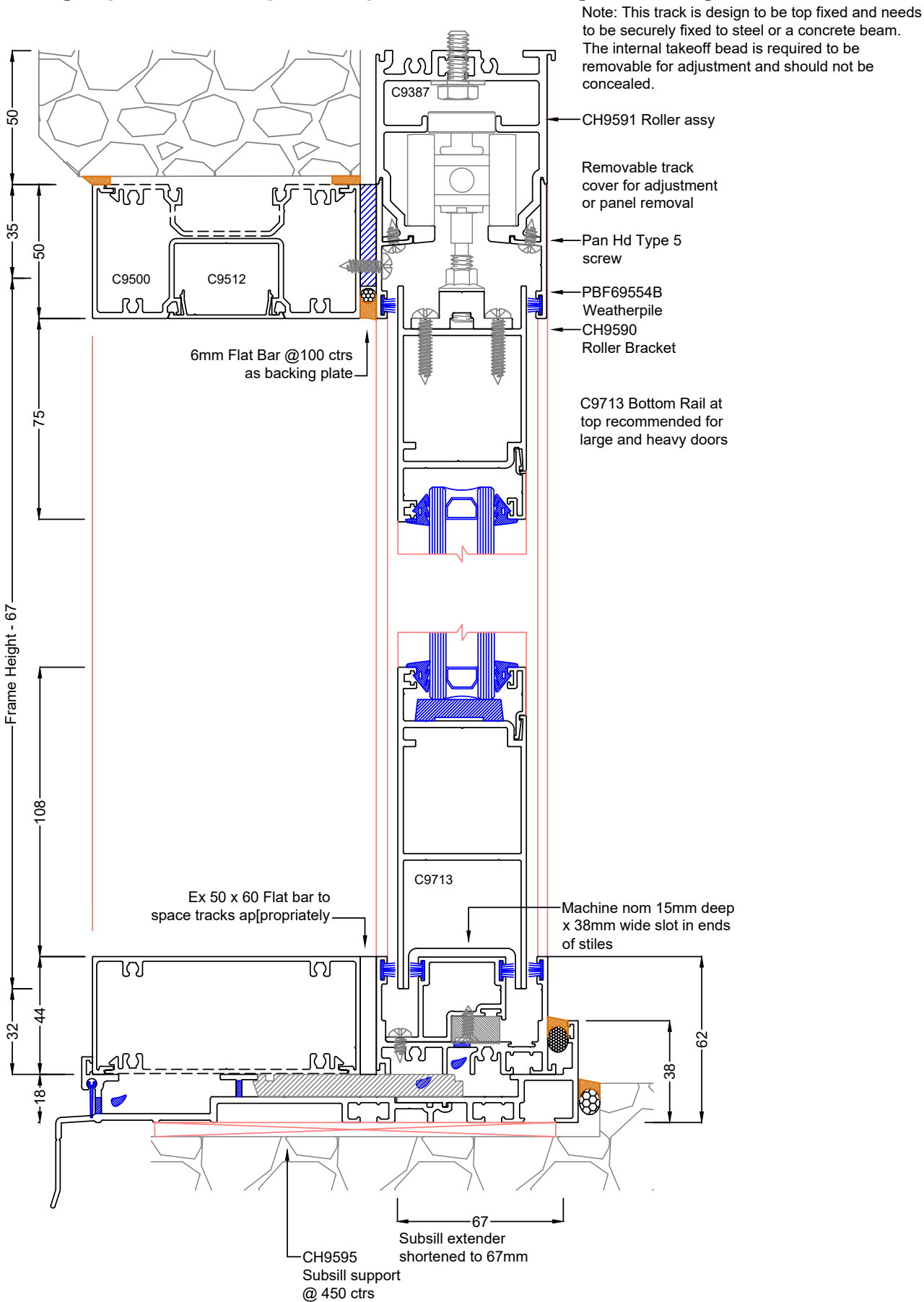
Overhead Sliding Track with trip hazard protected sill - 250kg Panel Weight



Max™ 50mm POCKETED COMMERCIAL DOORS
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Sliding Door with Closing Jamb in 100 framing



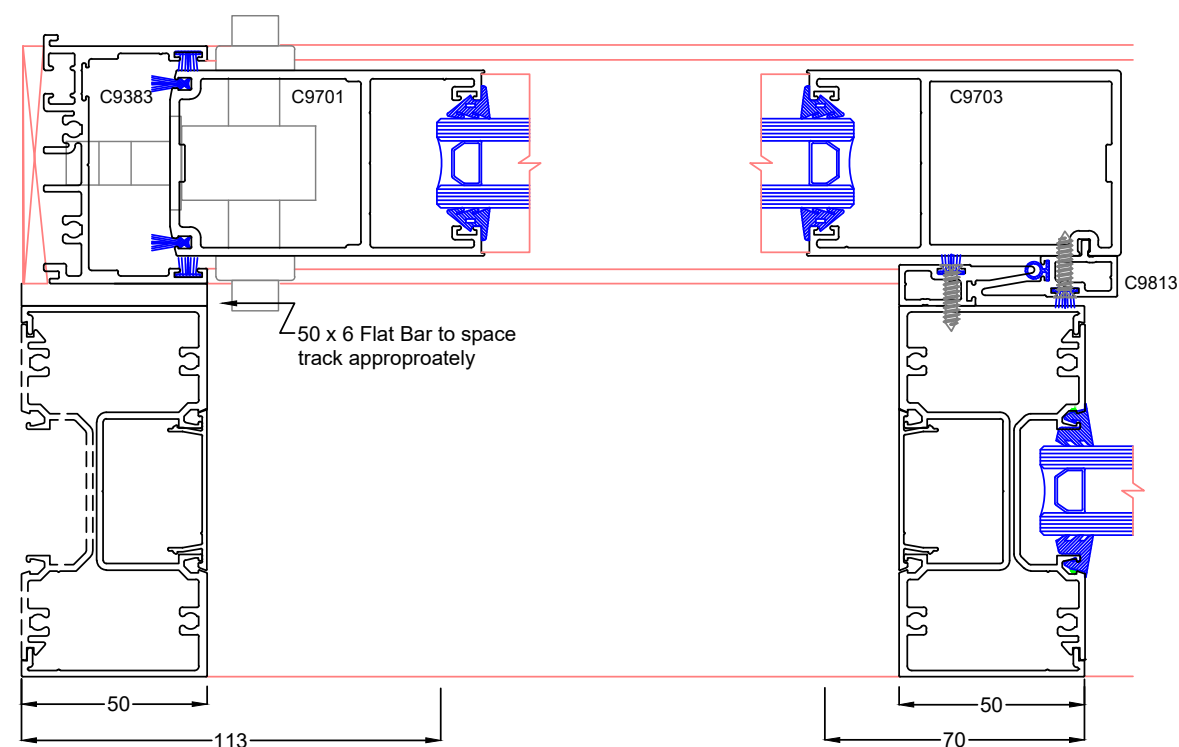
Sliding Top Track with trip hazard protected sill - 250kg Panel Weight



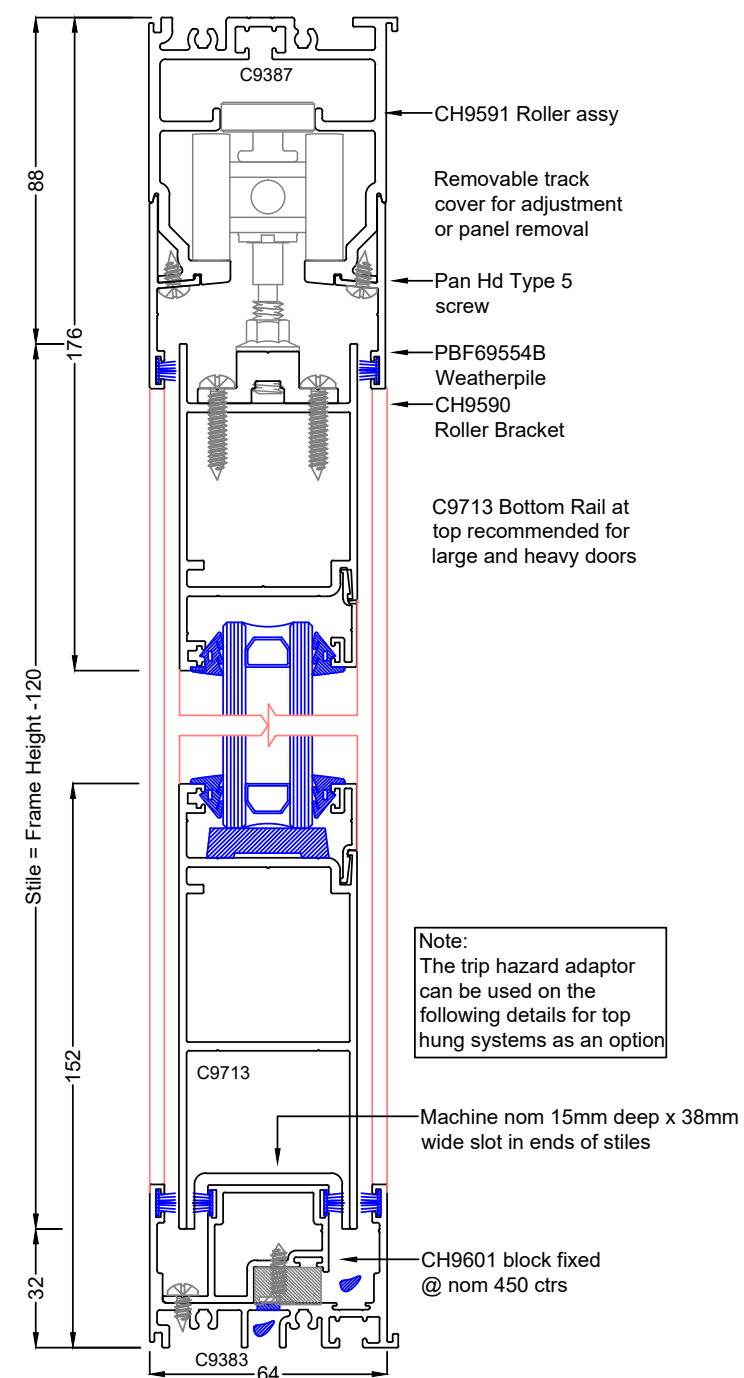
Max™ 50mm POCKETED COMMERCIAL DOORS

Max Framing Systems: MCOMMDOOR - 9

Sliding Door with Closing Jamb and weathered interlocks in 100 Fixed framing

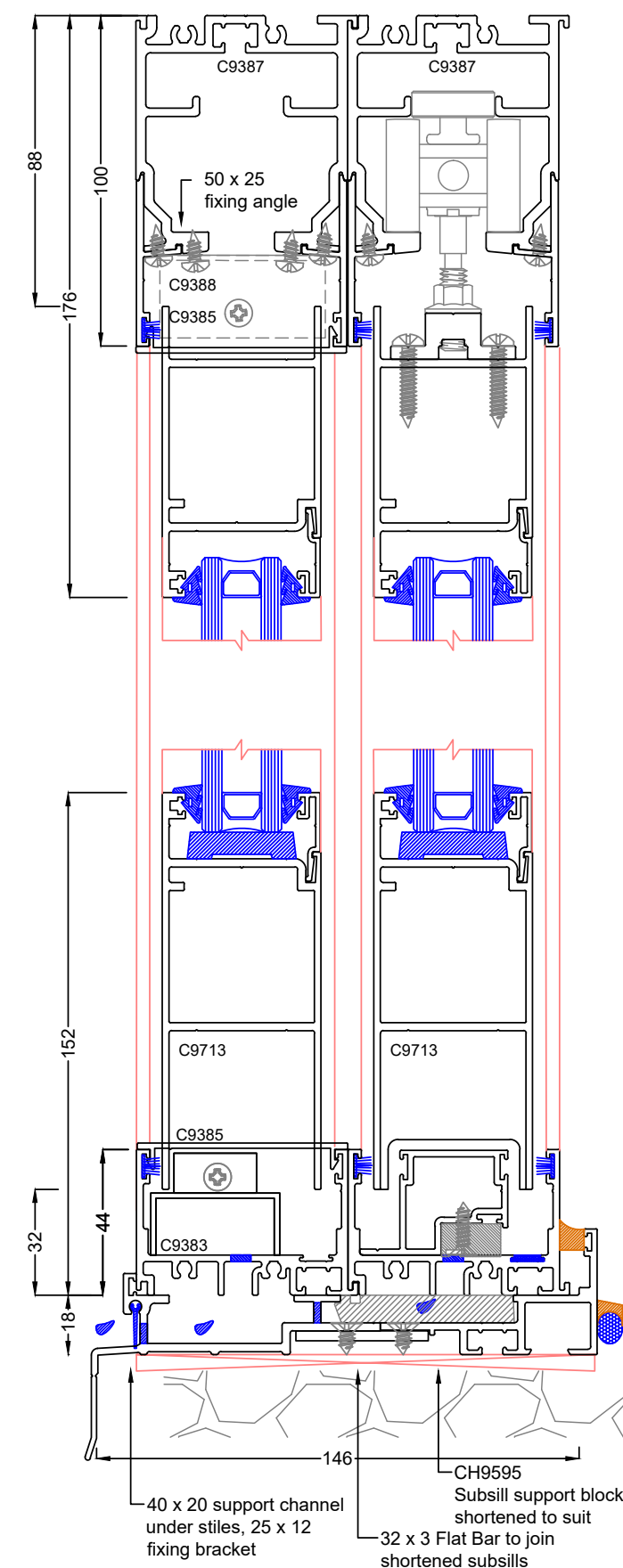


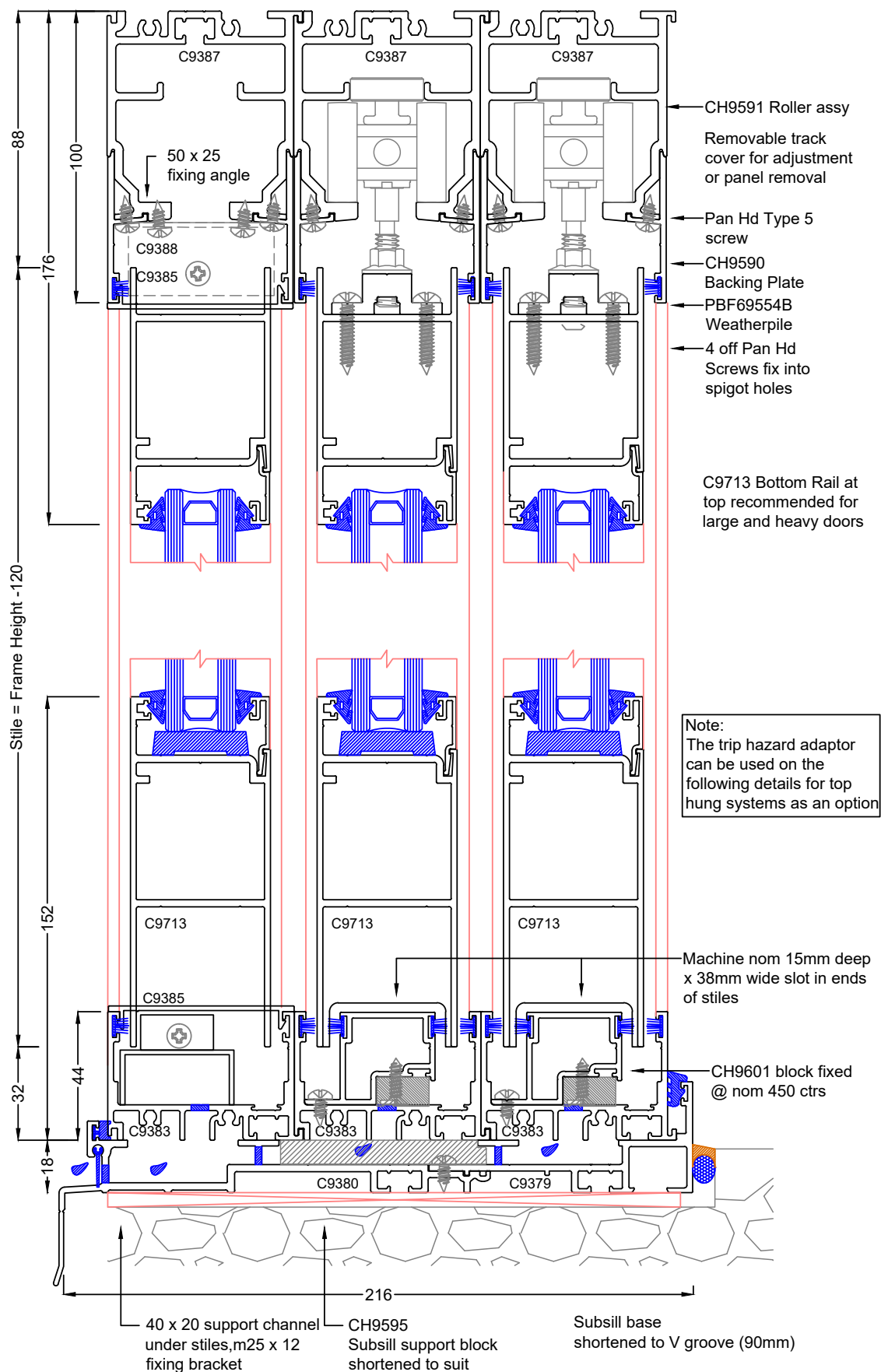
Sliding Top Track - 250kg panel weight



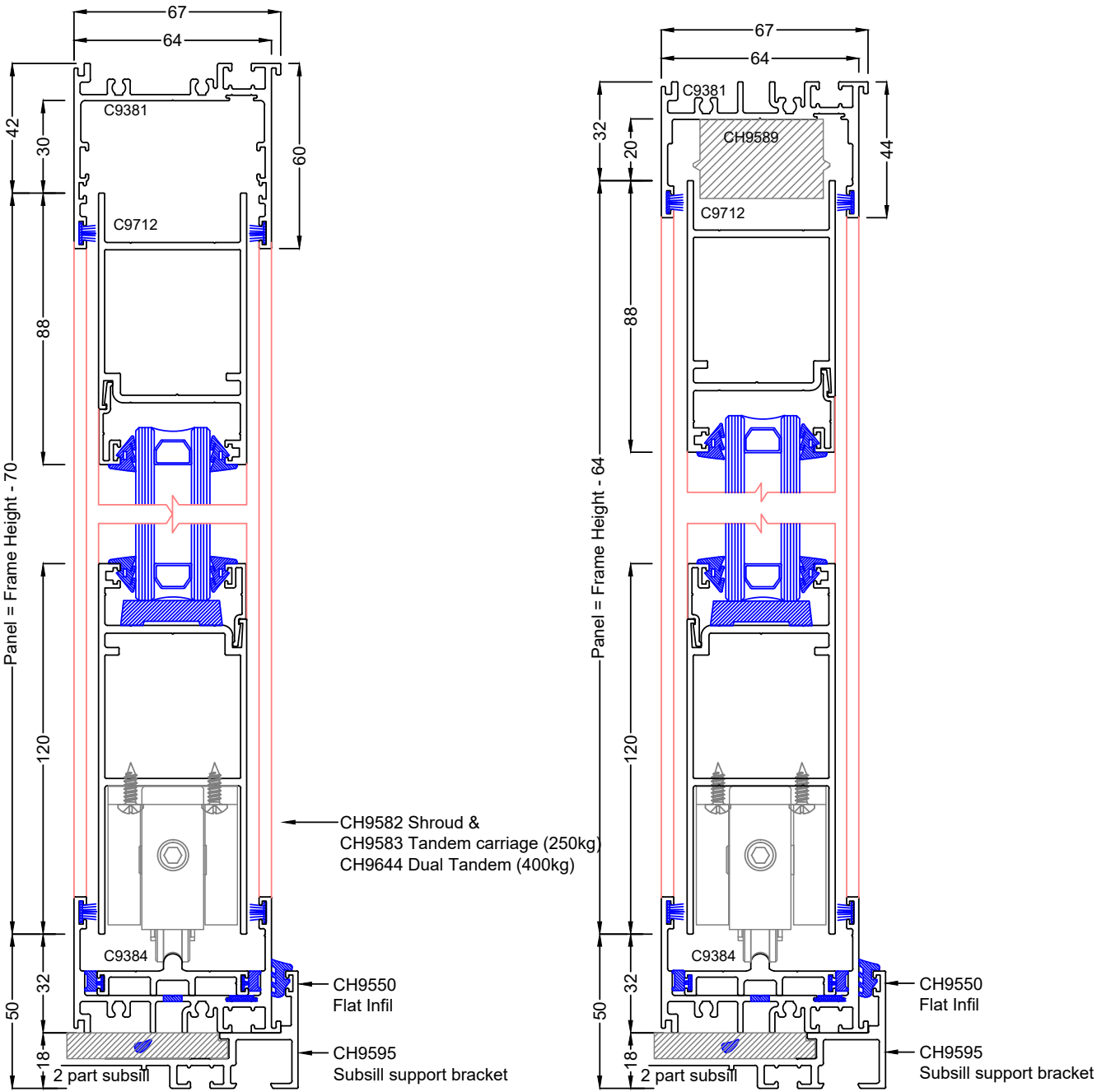
- Note:
- Adaptable to all U-MAX Framing Systems
 - Primary sliding panel can be on external or internal track
 - Replaceable track
 - 2 part subsill caters for 4 tracks
 - 50mm diameter roller caters for heavy weights and smoother operation
 - Single or multiple stacking tracks
 - Suited to cavity door applications
 - Used with C9383 sill track (see 100CDG for more details)
 - Size of panels limited to strength of meeting stiles
 - Maximum Height: 2700
 - Maximum Width: 2000
 - Maximum weight per leaf: 250kg

Sliding top Track 250kg panel weight





Sliding Bottom Track - 250kg / 400kg Panel Weight 44mm Head Track & 44 Sill track
60mm Head Track & 44 Sill track



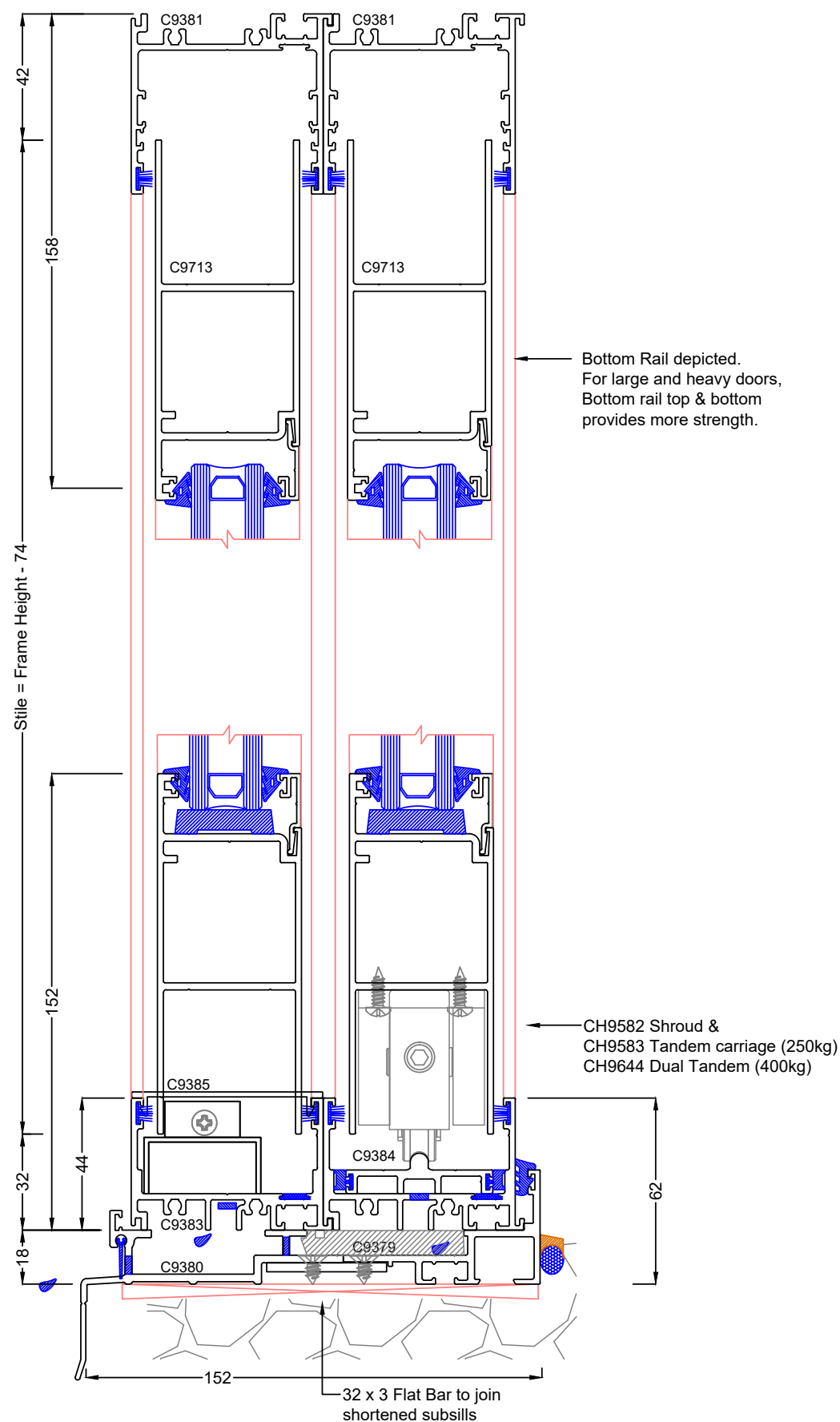
Note:

- Adaptable to all U-MAX Framing Systems
- Primary Track usually fitted internally
- Single or multiple stacking tracks
- Suited to cavity door applications
- Track cover removable in all configurations for adjustment
- Used with C9383 sill track (see 100CDG for more details)
- Size of panels limited to strength of meeting stiles
- Maximum Height: 2700
- Maximum Width: 2400
- Maximum weight per leaf: 400kg
- Panel height must not exceed 2.5 times panel width as the panel can be unstable - use top hung door instead

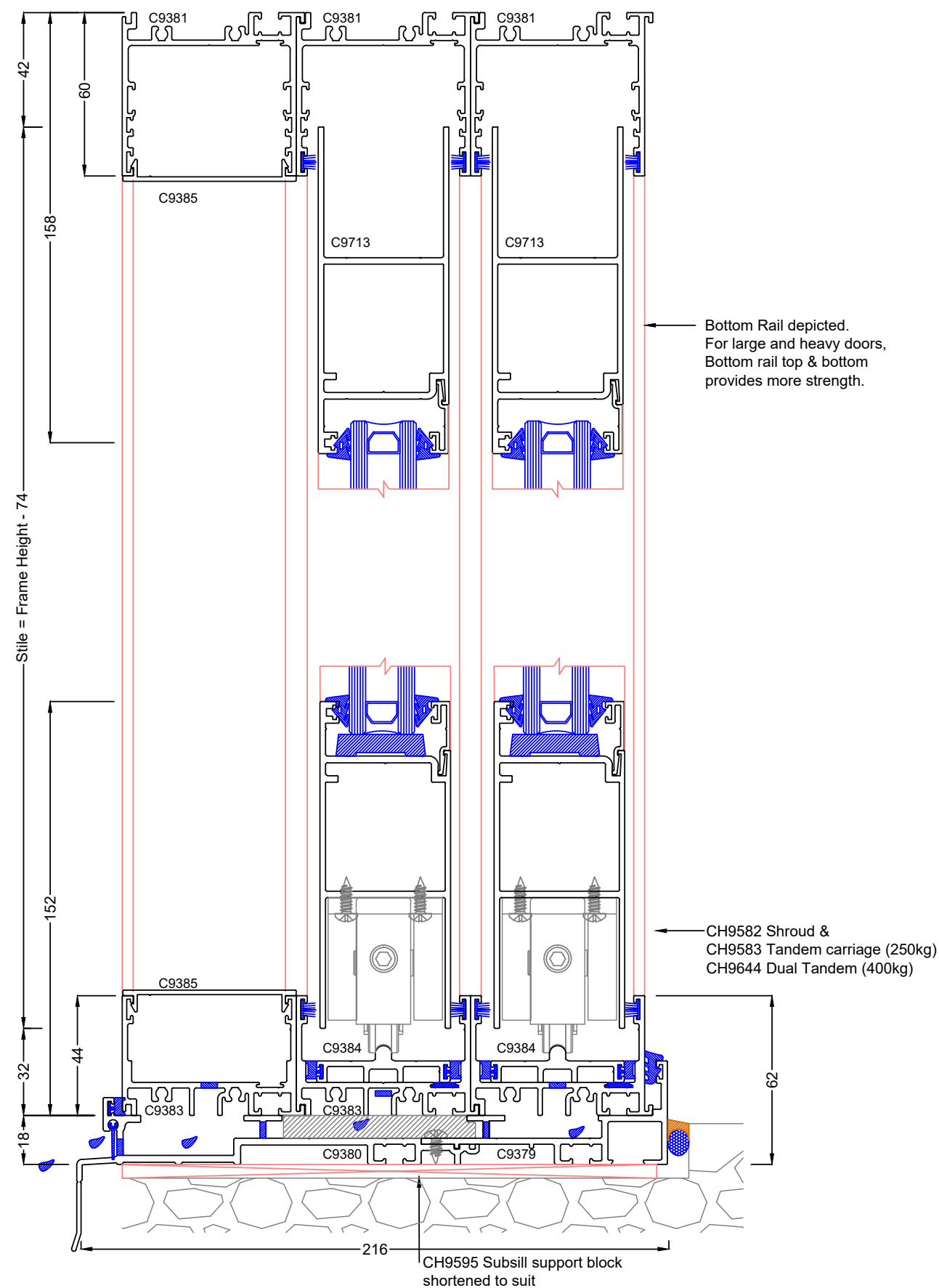
Max™ 50mm POCKETED COMMERCIAL DOORS

Max Framing Systems: MCOMMDOOR - 11

Multi Sliding Bottom Track - 250kg / 400kg panel weight



Multi Sliding Bottom Track - 250kg / 400kg panel weight

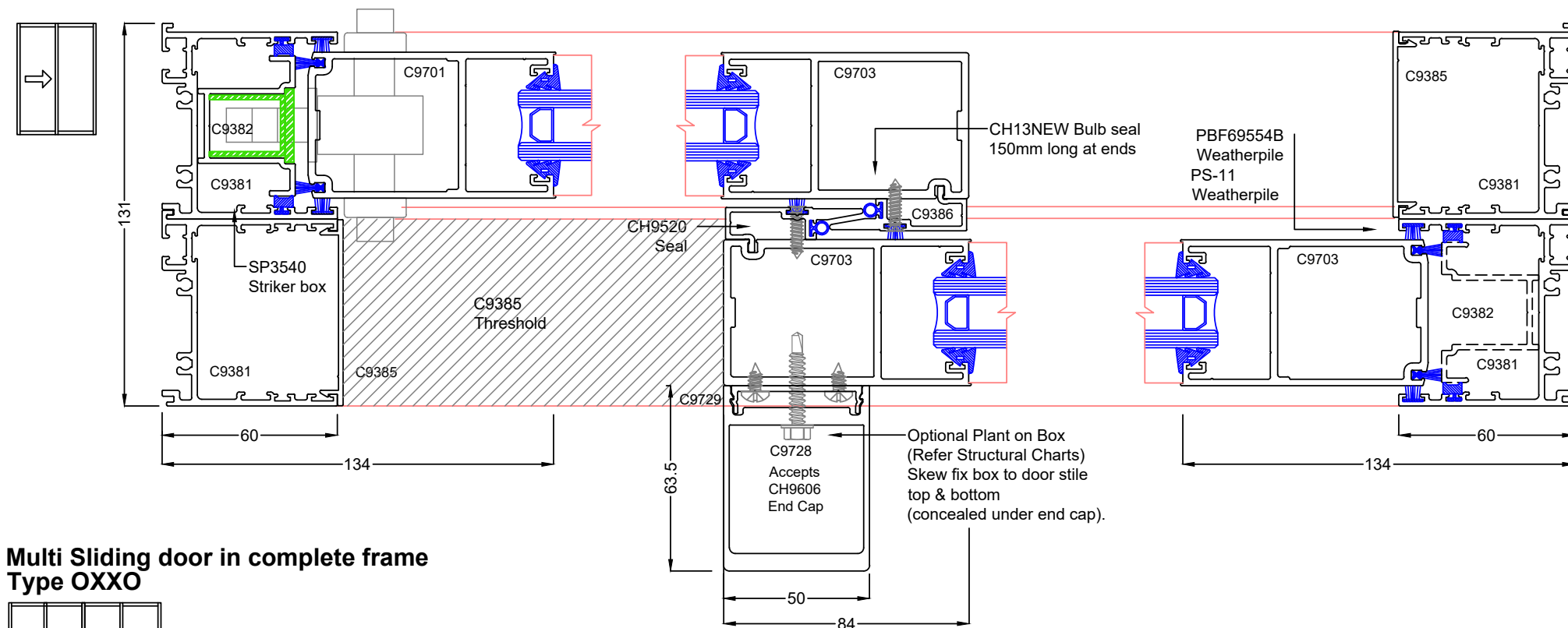


Max™ 50mm POCKETED COMMERCIAL DOORS

Max Framing Systems: MCOMMDOOR - 12

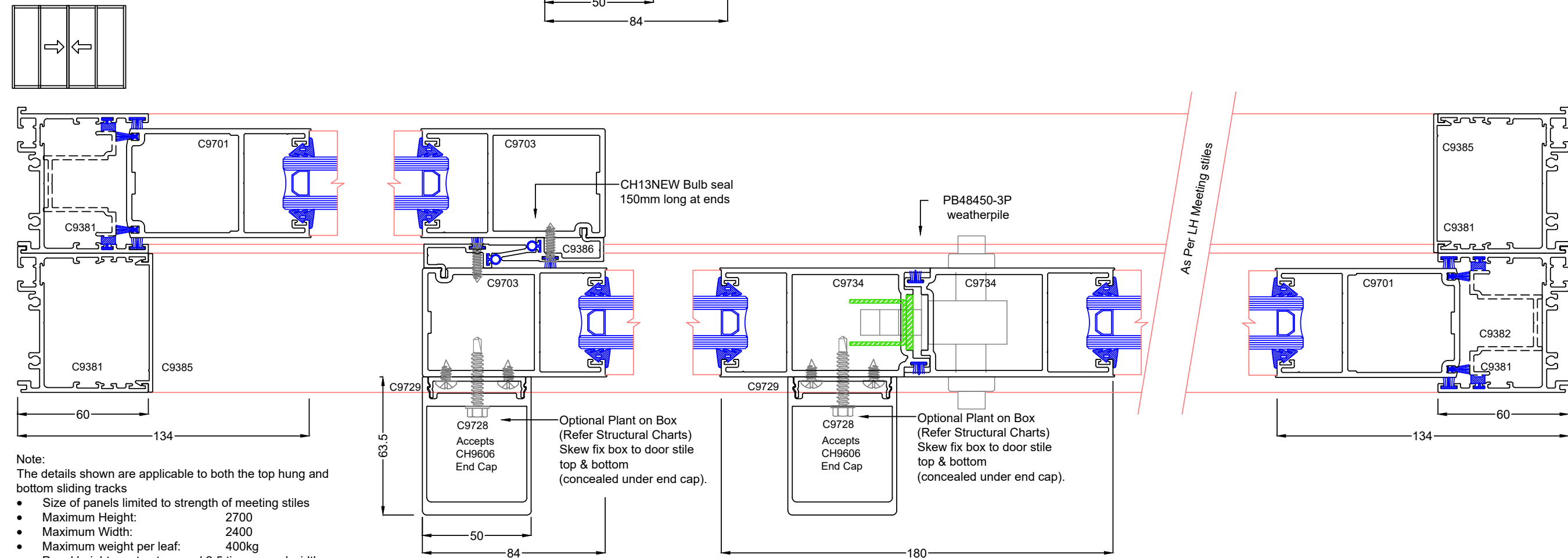
Sliding Door with Fixed door panel in complete frame

Type XO



Multi Sliding door in complete frame

Type OXXO



Note:
The details shown are applicable to both the top hung and bottom sliding tracks

- Size of panels limited to strength of meeting stiles
- Maximum Height: 2700
- Maximum Width: 2400
- Maximum weight per leaf: 400kg
- Panel height must not exceed 2.5 times panel width as the panel can be unstable - use top hung door instead

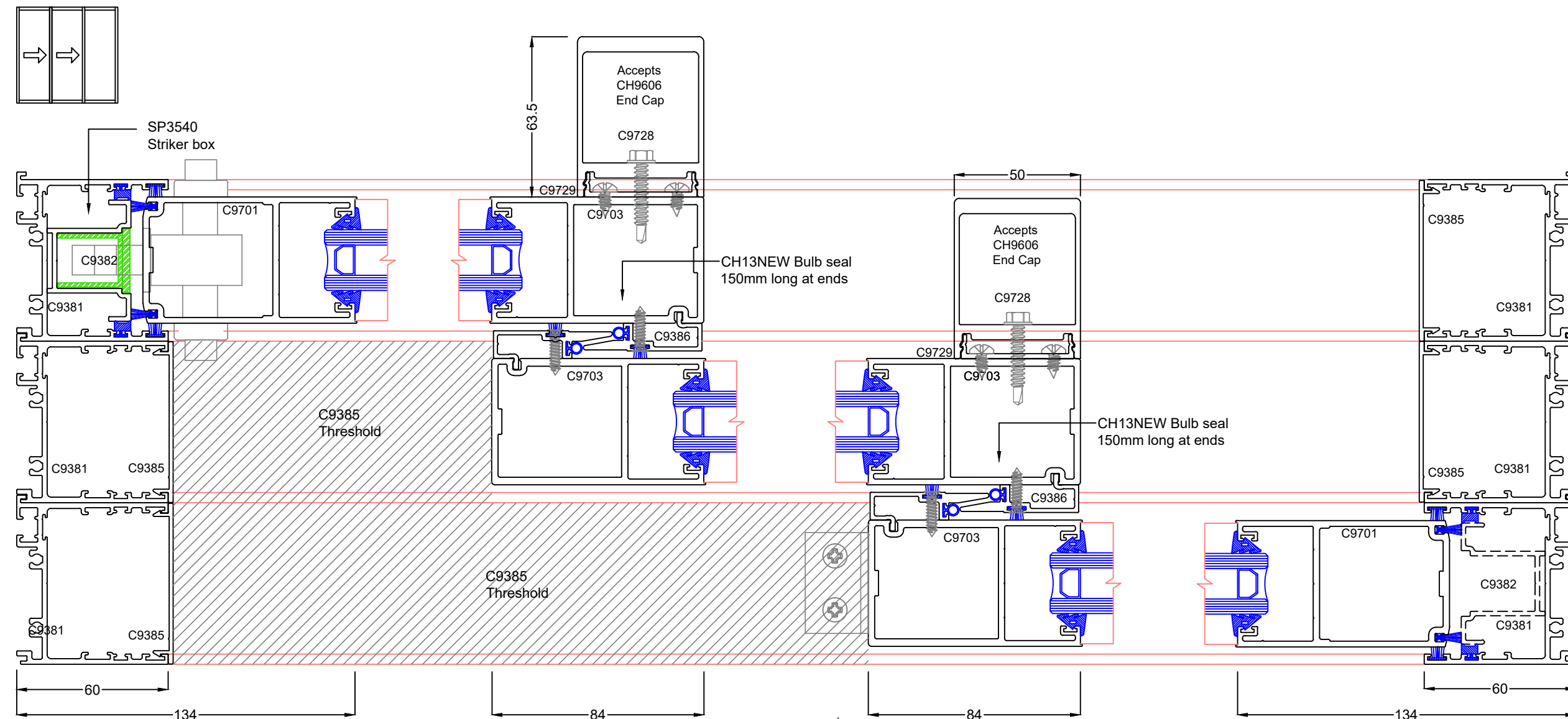
As Per LH Meeting stiles

Max[™] 50mm POCKETED COMMERCIAL DOORS

Max Framing Systems: MCOMMDOOR - 13

Sliding Door with stacking panels

Type XXO



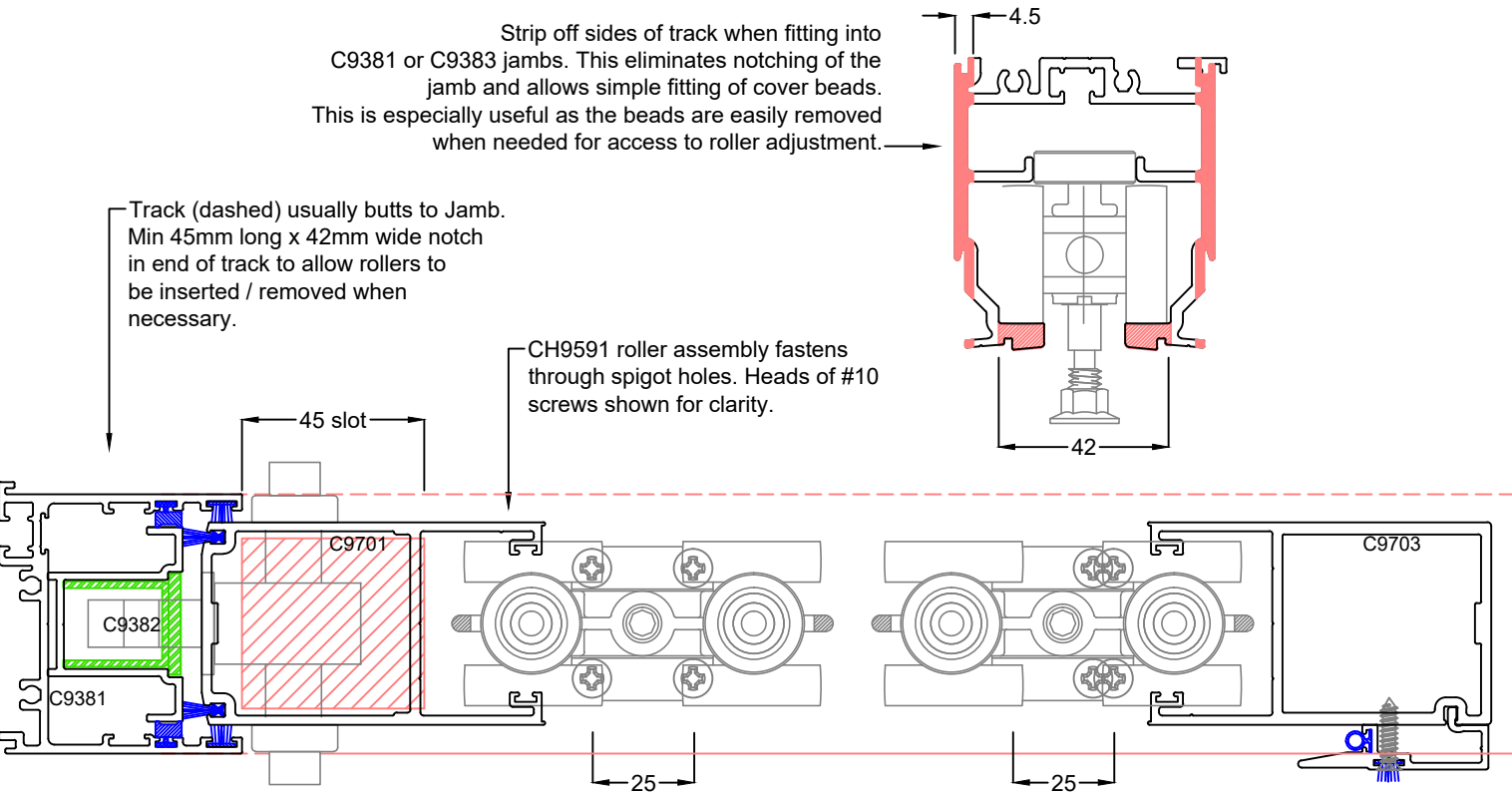
Note:

The details shown are applicable to both the top hung and bottom sliding tracks

- Size of panels limited to strength of meeting stiles
- Maximum Height: 2700
- Maximum Width: 2000
- Panel height must not exceed 2.5 times panel width as the panel can be unstable - use top hung door instead
- Maximum weight per leaf: 250kg

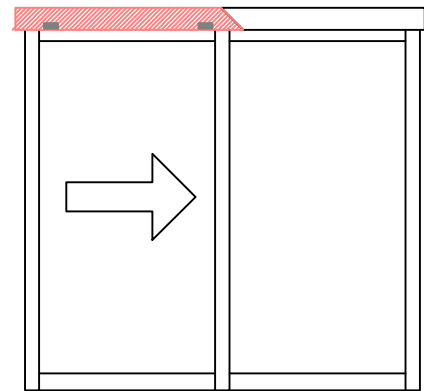
Concealed fixings above and below fillers

Max™ 50mm POCKETED COMMERCIAL DOORS
Max Framing Systems: MCOMMDOOR - 14
Roller Location and Track Machining



Alternate Track drop-out detail

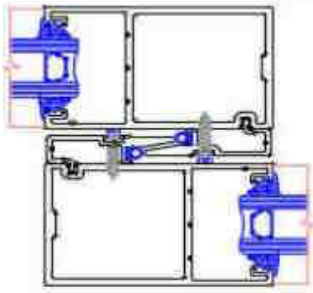
A drop out area on the track can be used instead of machining a slot in the track. Ensure the join is mitred - this allows the portion to drop out easily and minimizes the effect of the join on rollers. In positioning similar to shown, only 1 roller will pass over the join. Ensure the door can be opened fully to reveal the last fixing adjacent to the interlock for easy removal.



Meeting Stile Structural Charts

Interlock Structural Table

Interlock Combination: Max 50mm Door Type 1 (C9386,C9703)



These tables use theoretical section properties. The resulting Serviceability and Ultimate should be read in conjunction with the requirements of AS1170.

Note the following:

- Maximum Stress = 110Mpa
- Serviceability based on Span/250
- Italics indicate where Serviceability is limited by Ultimate.

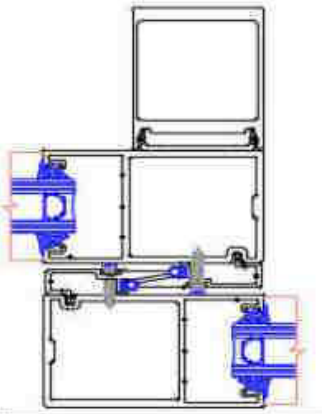
This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

Frame Height (mm)		Design Wind Pressure (Pa)							
2100	S	1220	1046	915	813	732	666	610	
	U	3944	3380	2958	2629	2366	2151	1972	
2200	S	1061	910	796	707	637			
	U	3593	3080	2695	2395	2156			
2300	S	929	796	697	619				
	U	3287	2818	2466	2192				
2400	S	817	701	613					
	U	3019	2588	2264					
2500	S	723	620						
	U	2783	2385						
2600	S	643							
	U	2573							
Panel Width Centres (mm)		1200	1400	1600	1800	2000	2200	2400	2600

Max™ 50mm POCKETED COMMERCIAL DOORS
Max Framing Systems: MCOMMDOOR - 15
Meeting Stile Structural Charts

Interlock Structural Table

Interlock Combination: Max 50mm Door Type 2 (C9728,C9729,C9386,C9703)



These tables use theoretical section properties. The resulting Serviceability and Ultimate should be read in conjunction with the requirements of AS1170.

- Note the following:
- Maximum Stress = 110Mpa
 - Serviceability based on Span/250
 - Italics indicate where Serviceability is limited by Ultimate.

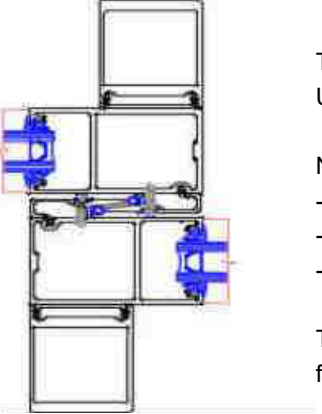
This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

Frame Height (mm)		Design Wind Pressure (Pa)							
2100	S	2058	1764	1543	1372	1235	1122	1029	950
	U	4863	4168	3647	3242	2918	2653	2432	2245
2200	S	1790	1534	1342	1193	1074	976	895	826
	U	4431	3798	3323	2954	2659	2417	2216	2045
2300	S	1566	1342	1175	1044	940	854	783	723
	U	4054	3475	3041	2703	2433	2211	2027	1871
2400	S	1378	1181	1034	919	827	752	689	636
	U	3723	3191	2793	2482	2234	2031	1862	1718
2500	S	1220	1045	915	813	732	665	610	
	U	3431	2941	2574	2288	2059	1872	1716	
2600	S	1084	929	813	723	650			
	U	3173	2719	2379	2115	1904			
2700	S	968	830	726	645				
	U	2942	2522	2206	1961				
2800	S	868	744	651					
	U	2736	2345	2052					
2900	S	781	670						
	U	2550	2186						
3000	S	706	605						
	U	2383	2043						
Panel Width Centres (mm)		1200	1400	1600	1800	2000	2200	2400	2600

Meeting Stile Structural Charts

Interlock Structural Table

Interlock Combination: Max 50mm Door Type 3 (C9728,C9729,C9386,C9703)



These tables use theoretical section properties. The resulting Serviceability and Ultimate should be read in conjunction with the requirements of AS1170.

- Note the following:
- Maximum Stress = 110Mpa
 - Serviceability based on Span/250
 - Italics indicate where Serviceability is limited by Ultimate.

This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

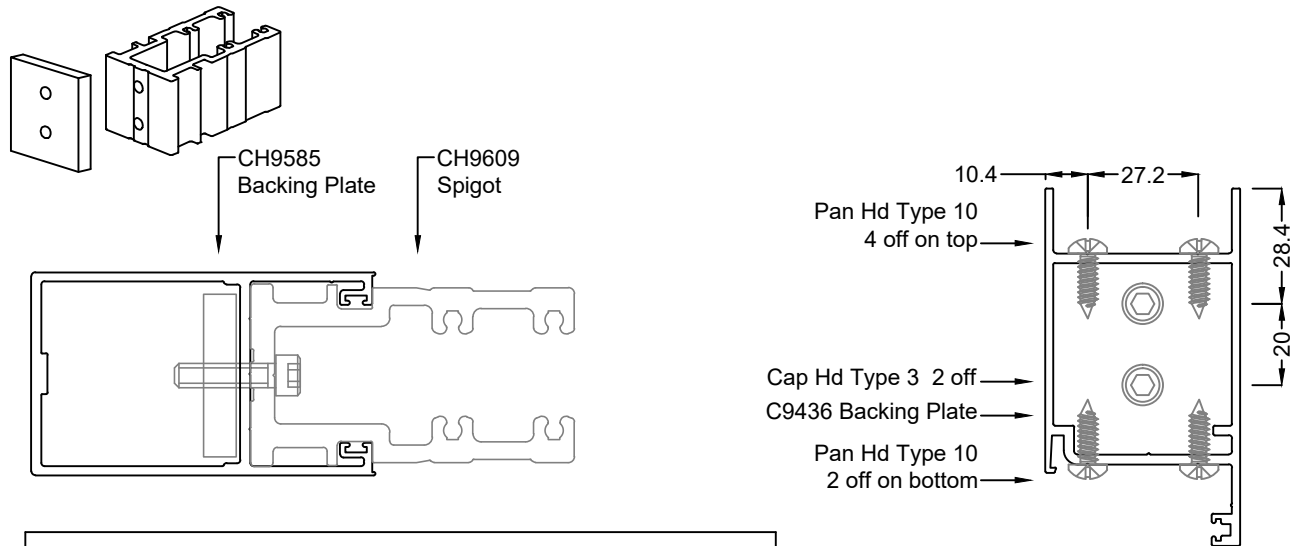
Frame Height (mm)		Design Wind Pressure (Pa)							
2100	S	2817	2415	2113	1878	1690	1537	1409	1300
	U	5125	4393	3844	3417	3075	2796	2563	2366
2200	S	2450	2100	1838	1633	1470	1336	1225	1131
	U	4670	4003	3502	3113	2802	2547	2335	2155
2300	S	2144	1838	1608	1429	1287	1170	1072	990
	U	4273	3662	3205	2848	2564	2331	2136	1972
2400	S	1887	1618	1415	1258	1132	1029	944	871
	U	3924	3364	2943	2616	2354	2140	1962	1811
2500	S	1670	1431	1252	1113	1002	911	835	771
	U	3616	3100	2712	2411	2170	1973	1808	1669
2600	S	1484	1272	1113	990	891	810	742	685
	U	3344	2866	2508	2229	2006	1824	1672	1543
2700	S	1325	1136	994	884	795	723	663	612
	U	3101	2658	2325	2067	1860	1691	1550	1431
2800	S	1188	1019	891	792	713	648		
	U	2883	2471	2162	1922	1730	1573		
2900	S	1070	917	802	713	642			
	U	2688	2304	2016	1792	1613			
3000	S	966	828	725	644				
	U	2511	2153	1884	1674				
Panel Width Centres (mm)		1200	1400	1600	1800	2000	2200	2400	2600

Max™ 50mm POCKETED COMMERCIAL DOORS

Max Framing Systems: MCOMMDOOR - 16

CH9610 Door Corner Joinery Package

To suit Double Glazed Pocketed Stiles

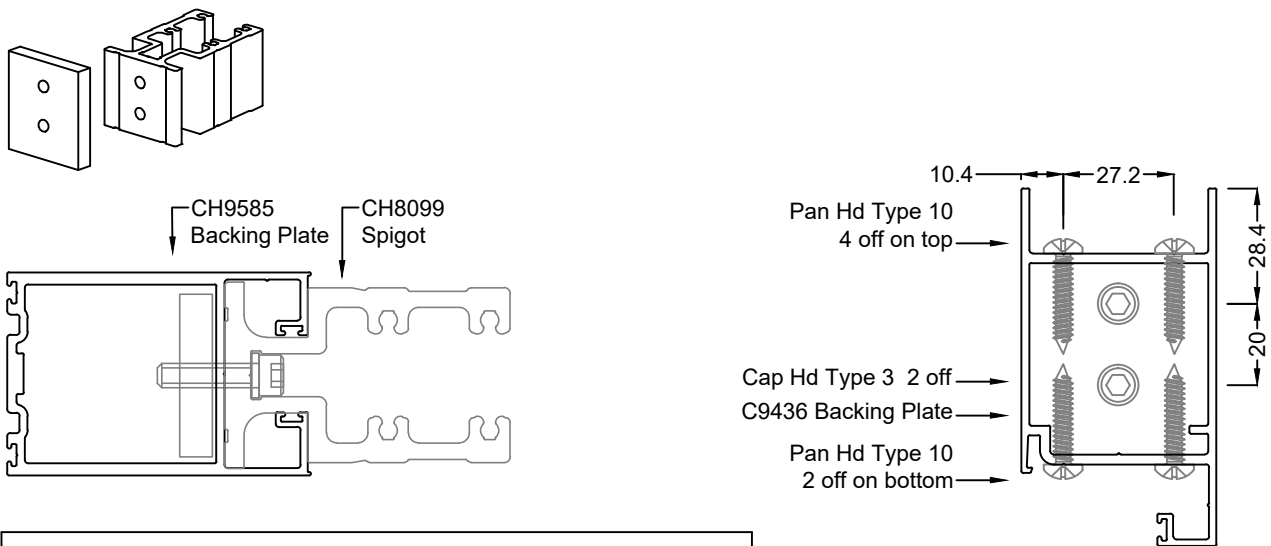


CH9610 Door Corner Joinery Bill of Materials

Commercial Door Leaf	Part	Description	Qty
	CH9609	Max Spigot	4
	CH9585	Backing Plate	4
	Cap Hd Type 3	25 x M6 Cap Head spigot fastener	8

CH8100 Door Corner Joinery Package

To suit Single Glazed Pocketed Stiles

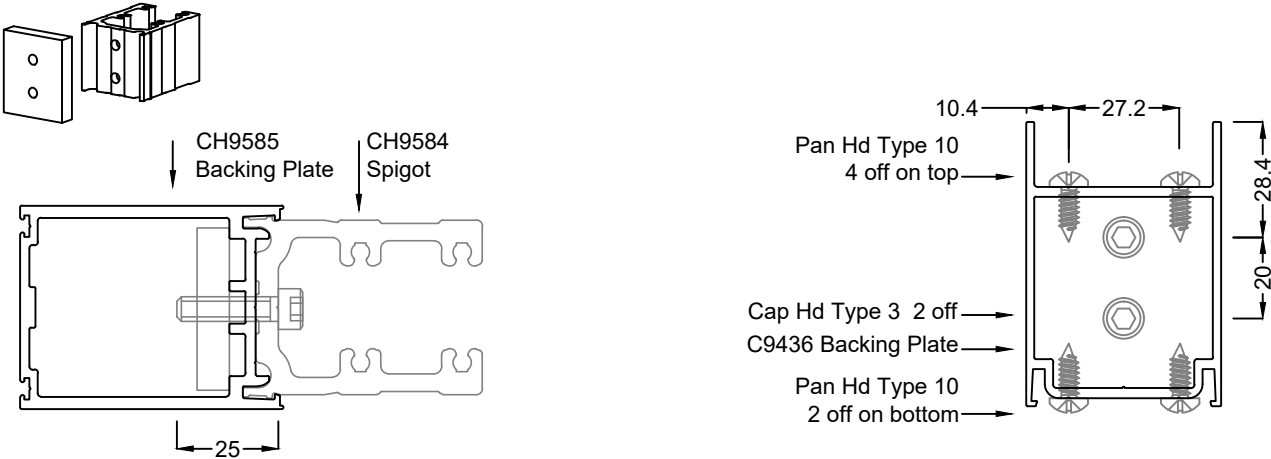


CH8100 Door Corner Joinery Bill of Materials

Commercial Door Leaf	Part	Description	Qty
	CH8099	Gen Spigot	4
	CH9585	Backing Plate	4
	Cap Hd Type 3	25 x M6 Cap Head spigot fastener	8

CH9598 Door Corner Joinery Package

To suit Bifold Beaded Stiles only



CH9598 Door Corner Joinery Bill of Materials

Commercial Door Leaf	Part	Description	Qty
	CH9584	Spigot	4
	CH9585	Backing Plate	4
	Cap Hd Type 3	25 x M6 Cap Head spigot fastener	8

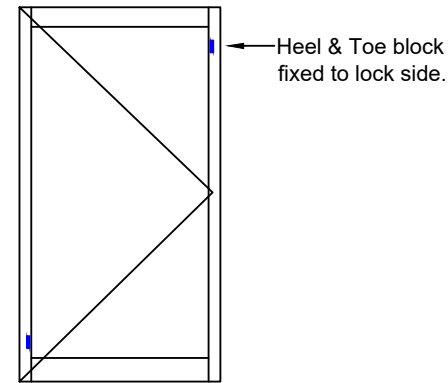
Max™ 50mm POCKETED COMMERCIAL DOORS

Max Framing Systems: MCOMMDOOR - 17

Pocket Glazed Glazing Details

These stile have a 30mm deep pocket which allows 12mm edge cover on IGU's.

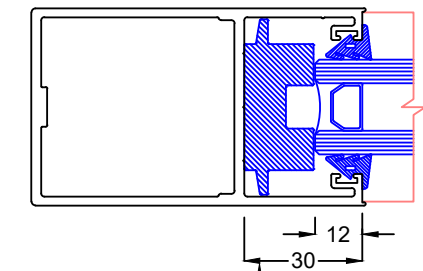
The detail below shows CH9608 heel & toe block placement.



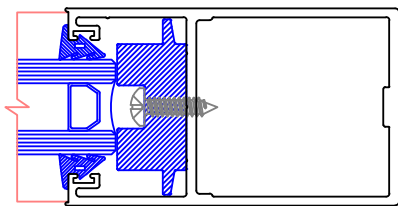
Heel & Toe block fixed to lock side.

Lower block fitted with glass in situ.

1. Install glass, angling into hinge side of panel, then centering.
2. Push glass full height in rebate and support with nom 15mm setting blocks below
3. Use 12mm segments of CH9608, place in stile below glass
4. Push up side of stile behind glass to brace against glass.
5. Place 6mm setting blocks at bottom, and top to complete blocking of door.

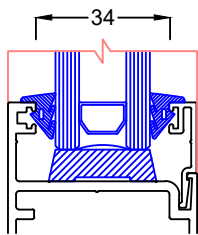


With glass in situ, Fit 12mm segments of CH9608 block into hinge side and slide up to brace glass.



Fix CH9608 block on lock side, approx 100mm from top of door light.

Wedge glazing charts for MAX Commercial Pocketed Door



Max Commercial Door	Glass thickness	Glass	Rebate wedge	Gap	Glazing wedge	Gap
	24mm	6/12/6	CH9502	5mm	CH9502	5mm
	25mm	6.38/12/6	CH9502	5mm	CH9502	5mm
	26mm	8/12/6	CH9501	4mm	CH9501	4mm
	27mm	8.38/12/6	CH9501	4mm	CH9501	4mm
	28mm	8/12/8	CH9500	3mm	CH9500	3mm



Elmington Apartments, Hawthorn East
MAX™ 100mm Centre Double Glazed frames
& MAX™ Double Glazed Commercial Door