

Sections:

Section No.	Section Description	Page No.
01	Essential Tools	1
02	Tools that will make Installation easier/quicker	1
03	Items to be supplied by Installer	1
04	Main Components	2
05	Installation Process	5
06	Care and Maintenance	21

01 Essential Tools:

Item	Tool Description
01	Cross Head 2PH (Philips Head No.2) screwdriver.
02	Spirit level with digital Read (reading to 0.1 degree)
03	Fast Action Clamp (with rubber jaws)

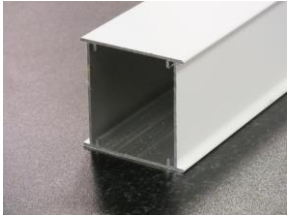
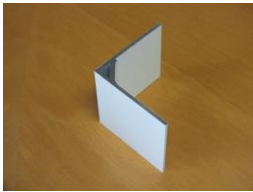
02 Tools that will make installation easier:

Item	Tool Description
01	Power Drill/Driver (ideally with hammer action/SDS capability).
02	2PH driver bit.
03	Fast Action G Clamps (rubber clamp faces)

03 Items to be supplied by Installer

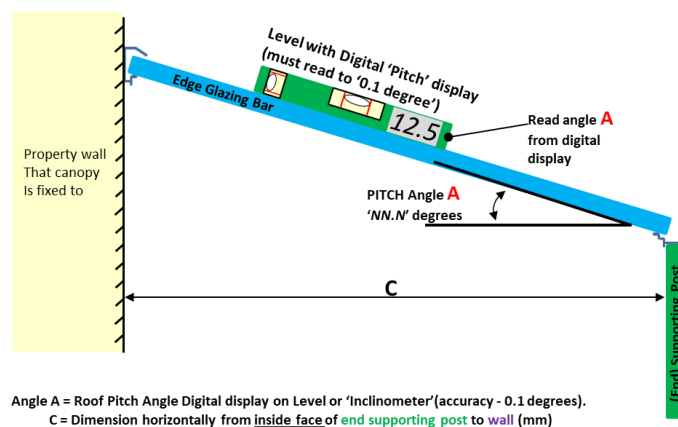
Item	Item Description
01	Rawl-type plugs suitable for No.8 fixings
02	Larger gauge fixings and Rawl- type plugs.
03	Drill bits for fixings in 02.
04	Dry Lube Spray Silicone Lubricant (200ml) – may be useful to aid aligning glazing panel within its' frame.

04 Smart Canopy FULL End In-Fill - Main Components

Component Name		
1. Base Frame (3-4.5m). 2. Base Frame Support Post (< 0.5m).		
3. Base Frame Bracket/Base Frame Support Post Bracket.		
4. (In-Fill) Carrier Assembly.		
5. In-Fill Profile – Part A. 6. In-Fill Profile – Part B.	In-Fill Part A 	In-Fill Part B 
Please Note: In-Fill Part A and In-Fill Part B will be supplied <i>temporarily</i> assembled together. This is intended to aid installation – to insure that ‘mating’ parts are supplied together. For installation Part A must be separated from Part B		
7. (Back-to-Back) In-Fill Part A. Assy. [Installed vertically]		
8. Glazing Panel.		

05 Measuring Up for Full Side InFill.

1. Measuring-up for FULL End In-Fill (alternative method)
- Using Digital Protractor and (metal) Tape Measure.



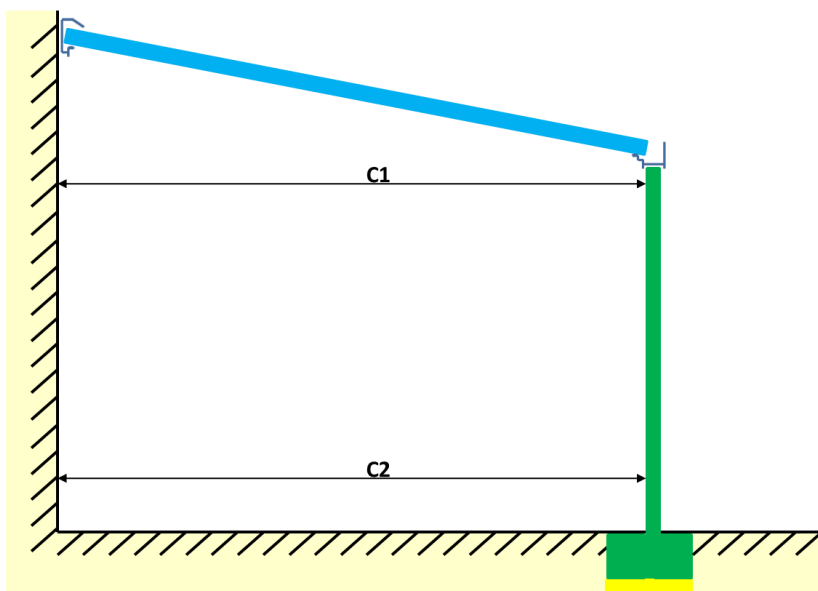
1. CARE POINT: Measuring up for FULL End In-Fill.

Only 1 measurement for Dimension C is Required.

To provide this:

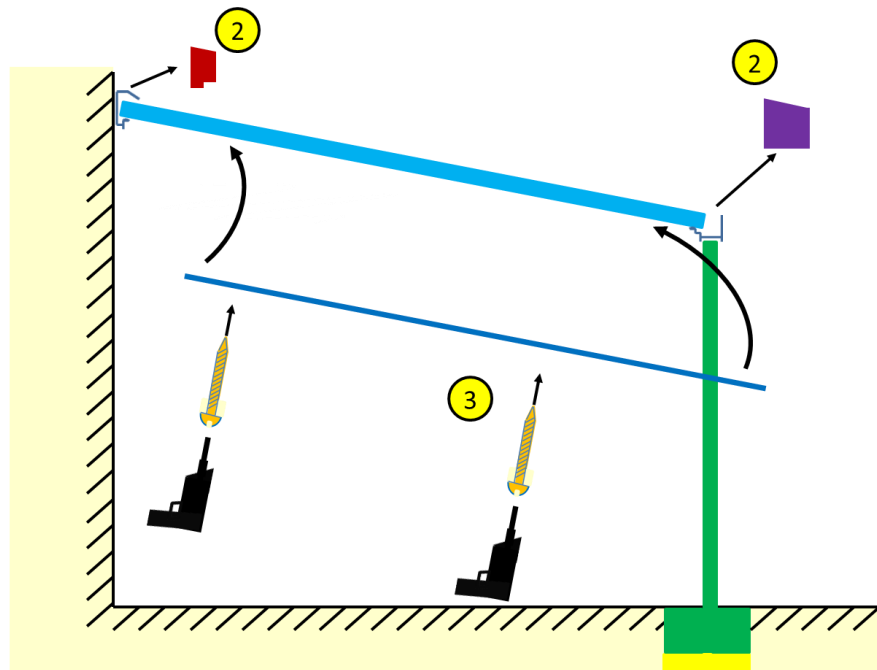
- C1 and C2 must be measured.
- $C1 = C2$, +/- 2mm.
- The smaller of C1 and C2 should be provided for Dimension C.

If C1 different to C2 by more than +/- 2mm please call supplier to decide how to proceed.



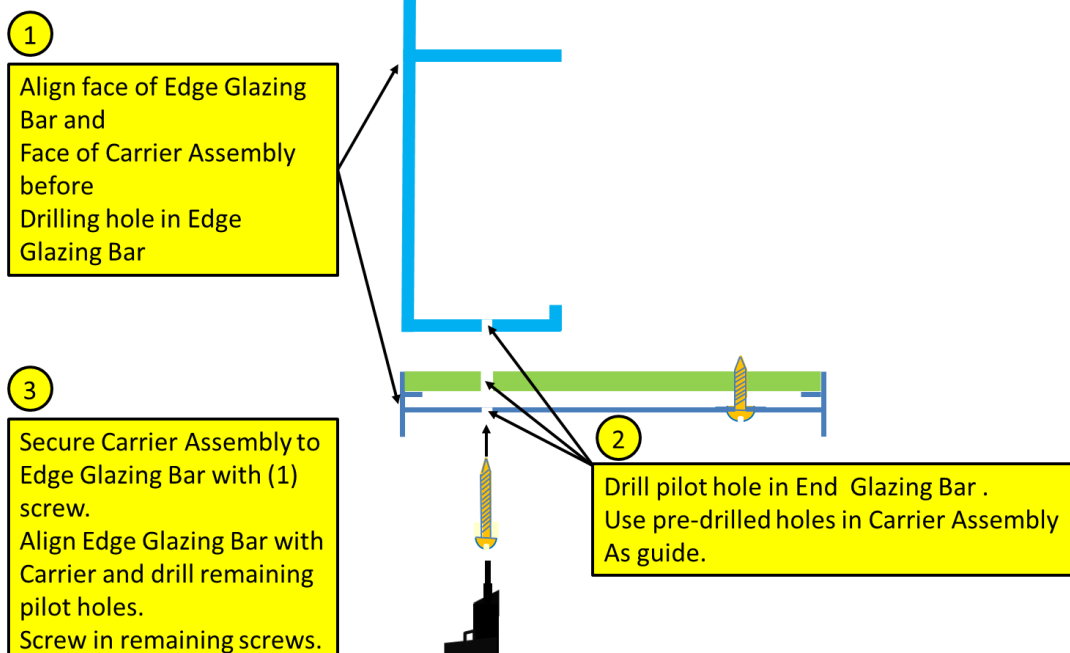
06 Installation Process.

1. Measure Up for Full Side InFill.
2. Remove End Plates from Eaves/Gutter and Wall-Plate,
3. Install Carrier Assembly

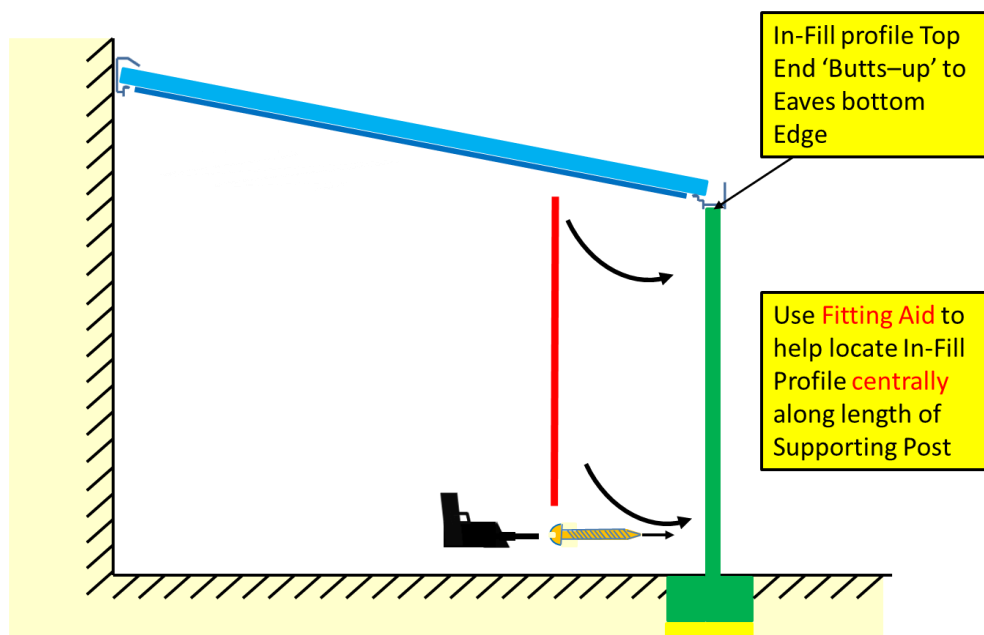


3. Install Carrier Assembly

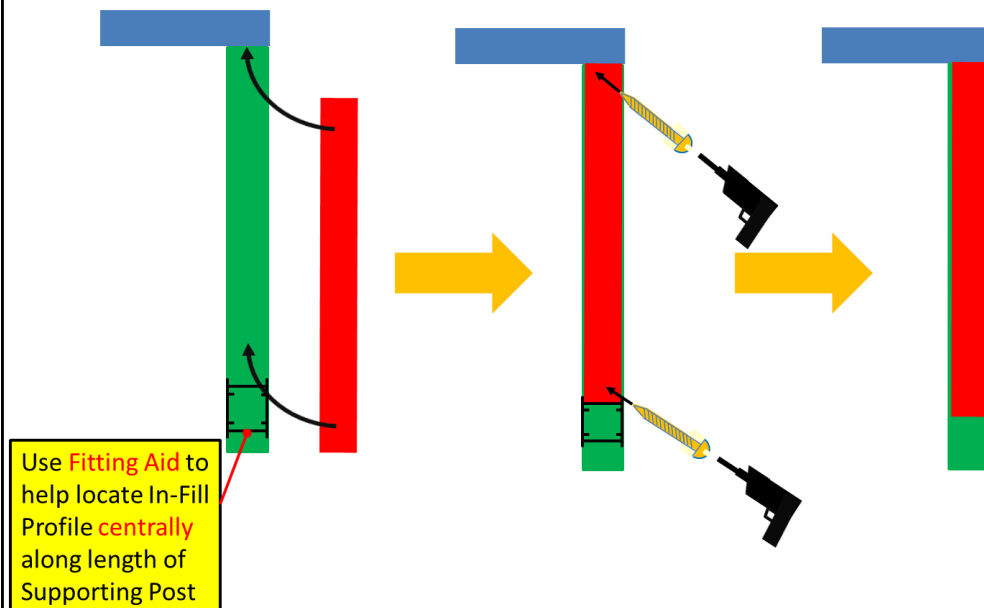
Sectional view showing installation of Carrier Assembly to Edge Glazing Bar.



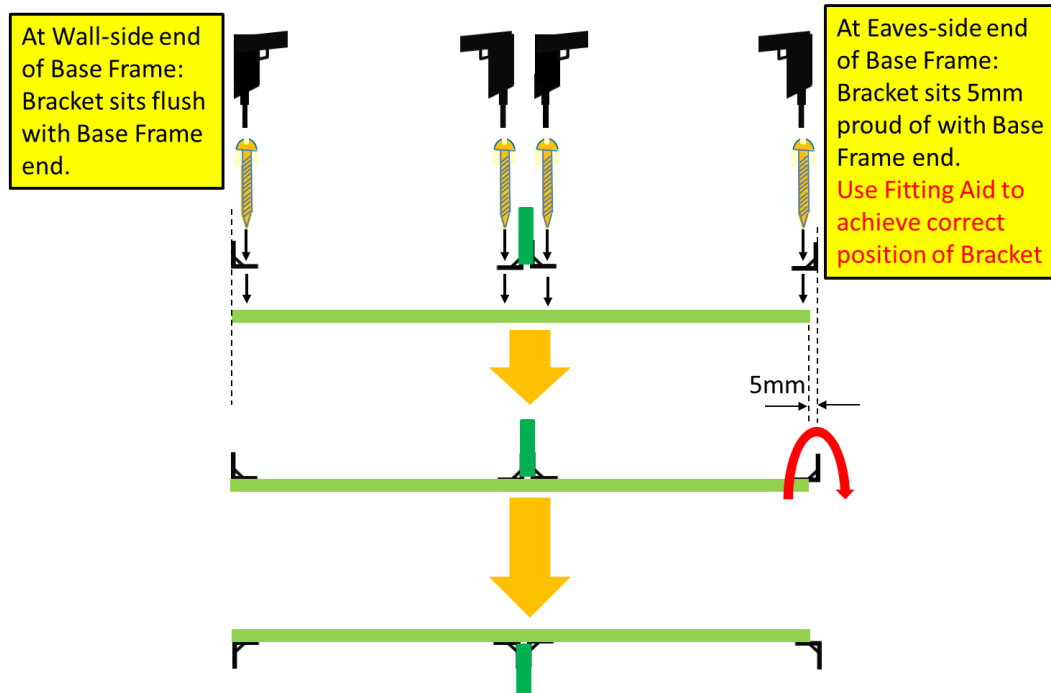
4. Install In-Fill Profile to Eaves Post



4. Install In-Fill Profile to Eaves Post
Locating In-Fill Profile on Supporting Post

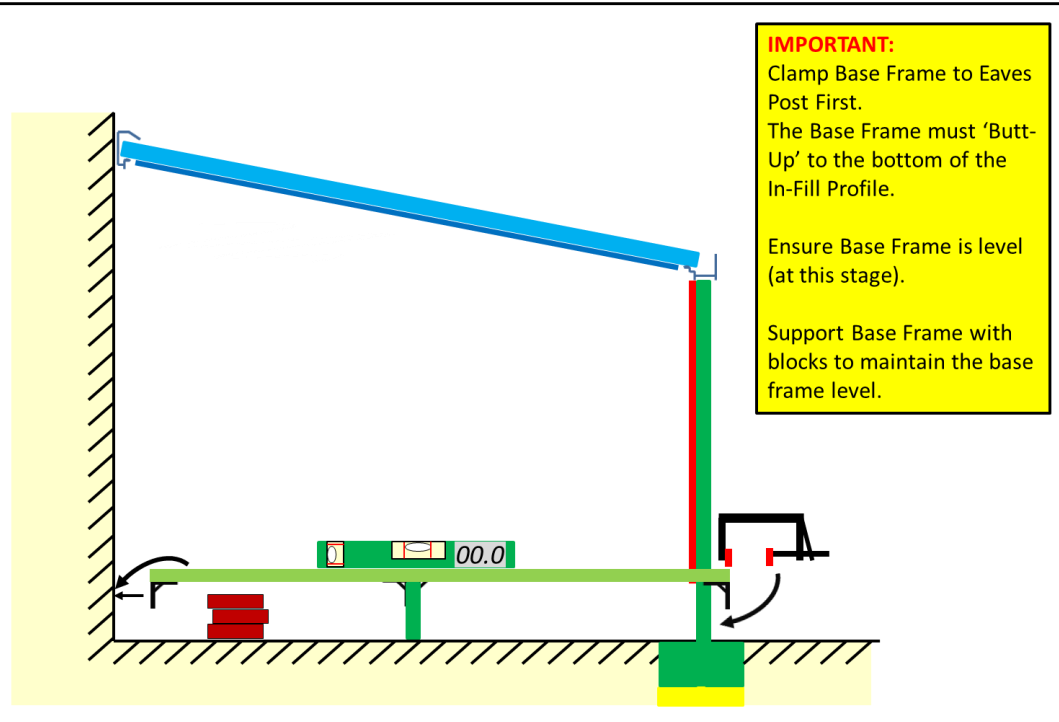


5. Install In-Fill Base Frame. Secure Base Frame Brackets and Base Frame Support Post to Base Frame (Base Frame Support Posts are only required for Canopy Projections over 3.0m).



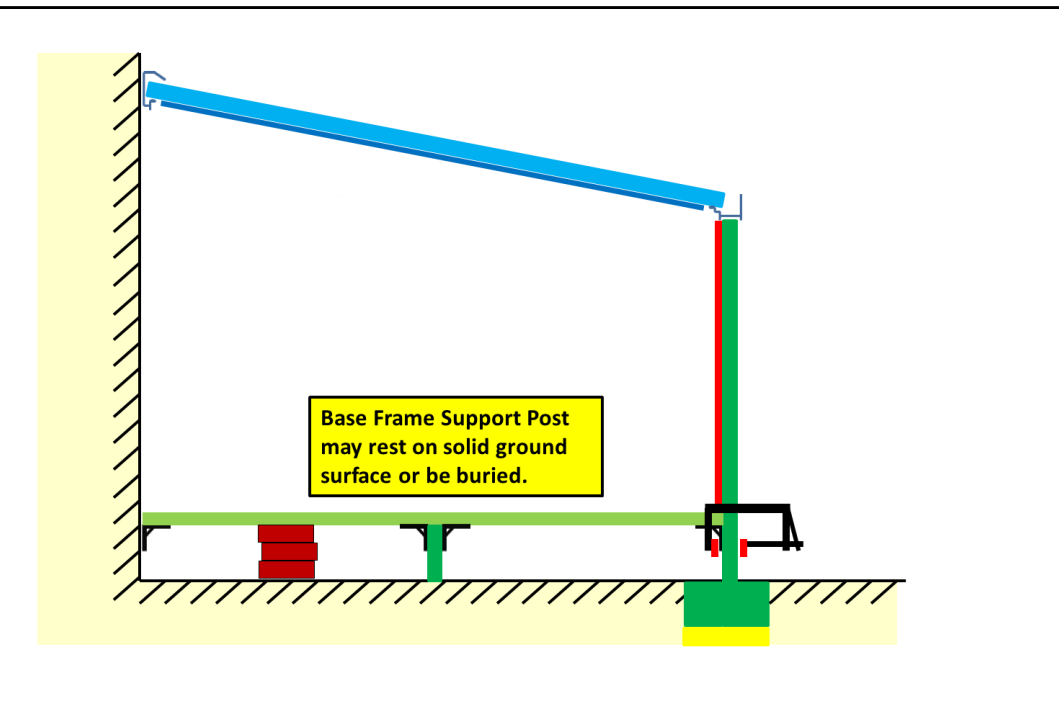
5. Install In-Fill Base Frame.

(Base Frame Support Posts are only required for Canopy Projections over 3.0m).



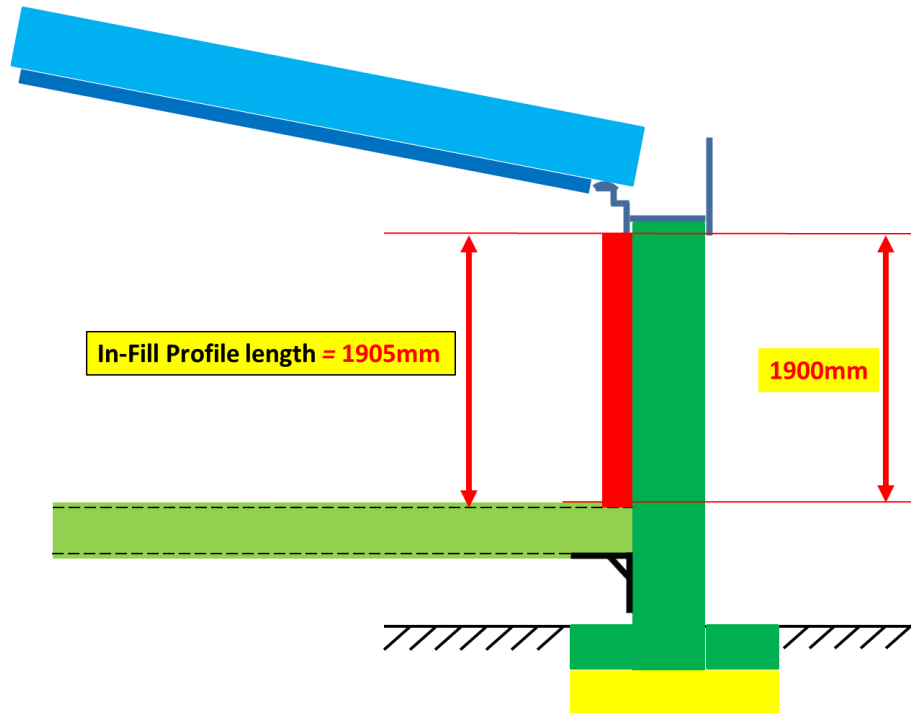
5. Install In-Fill Base Frame, and Base Frame Support Post

(Base Frame Support Posts are only required for Canopy Projections over 3.0m).

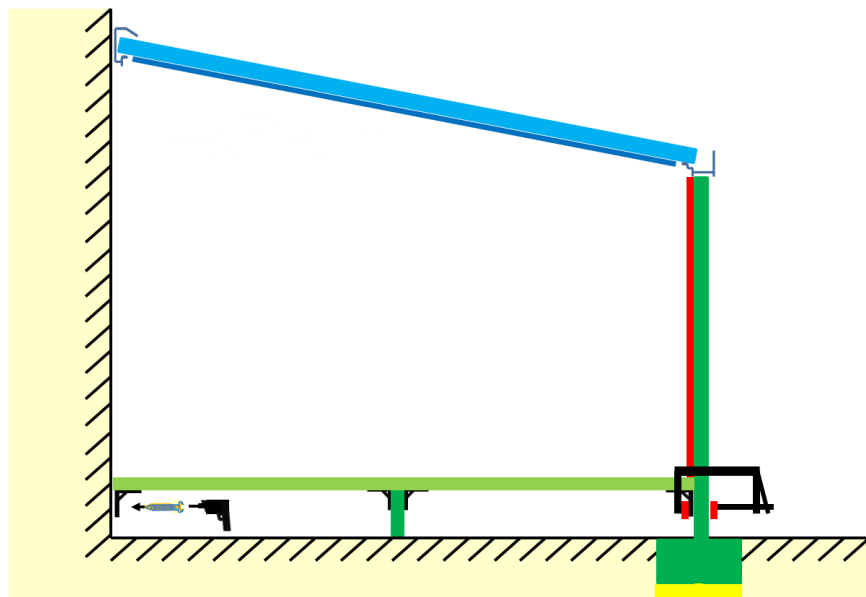


5. Install In-Fill Base Frame. **CARE POINT:**

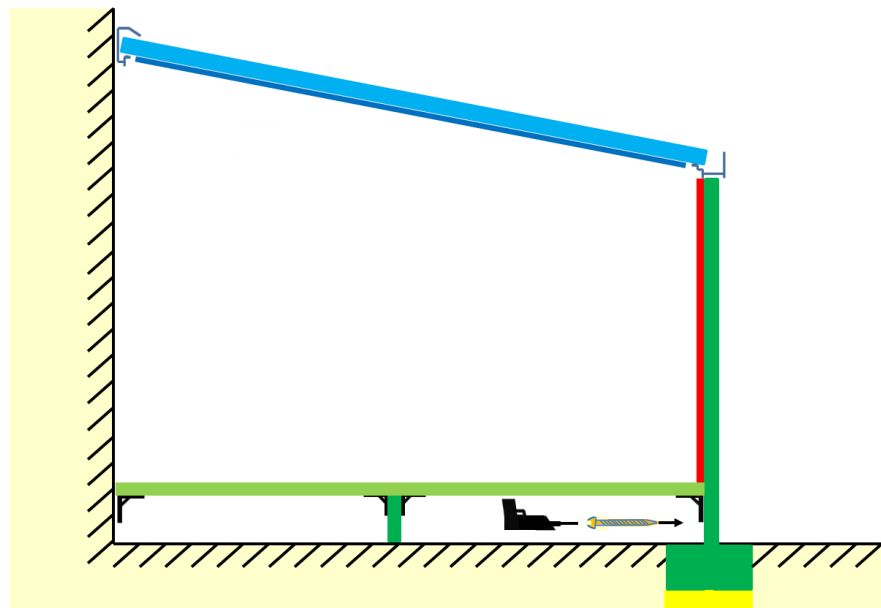
Bottom Edge of Eaves/Gutter to Top Edge of In-Fill Base Frame = 1,900mm



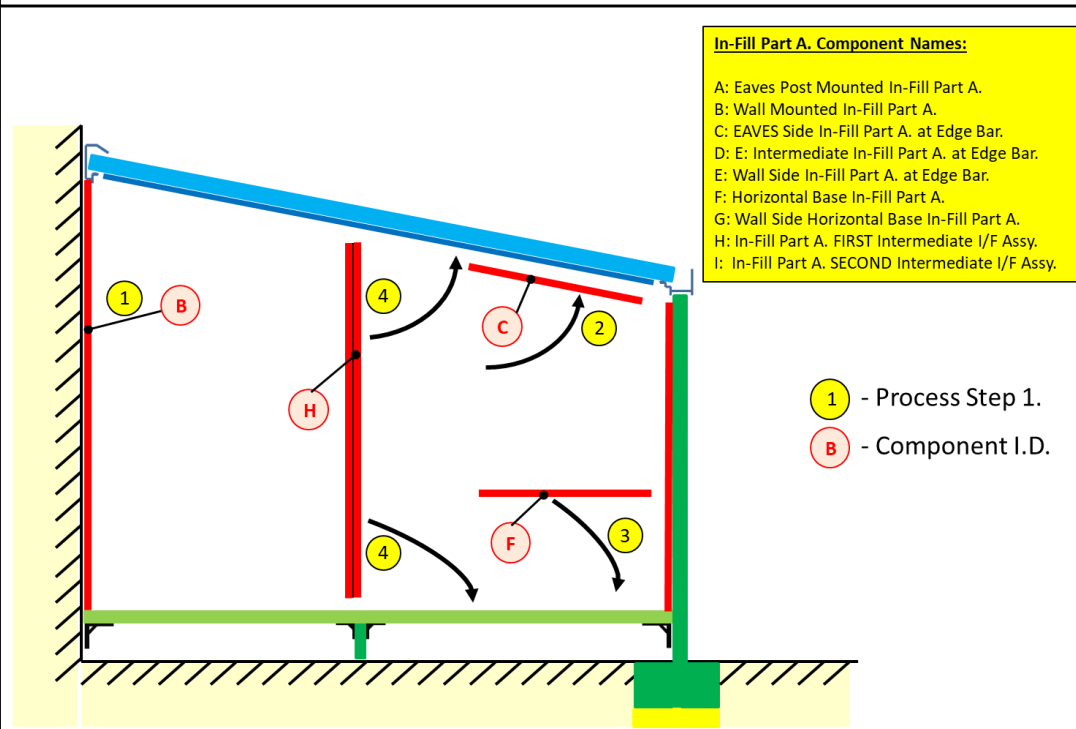
5. Install In-Fill Base Frame.



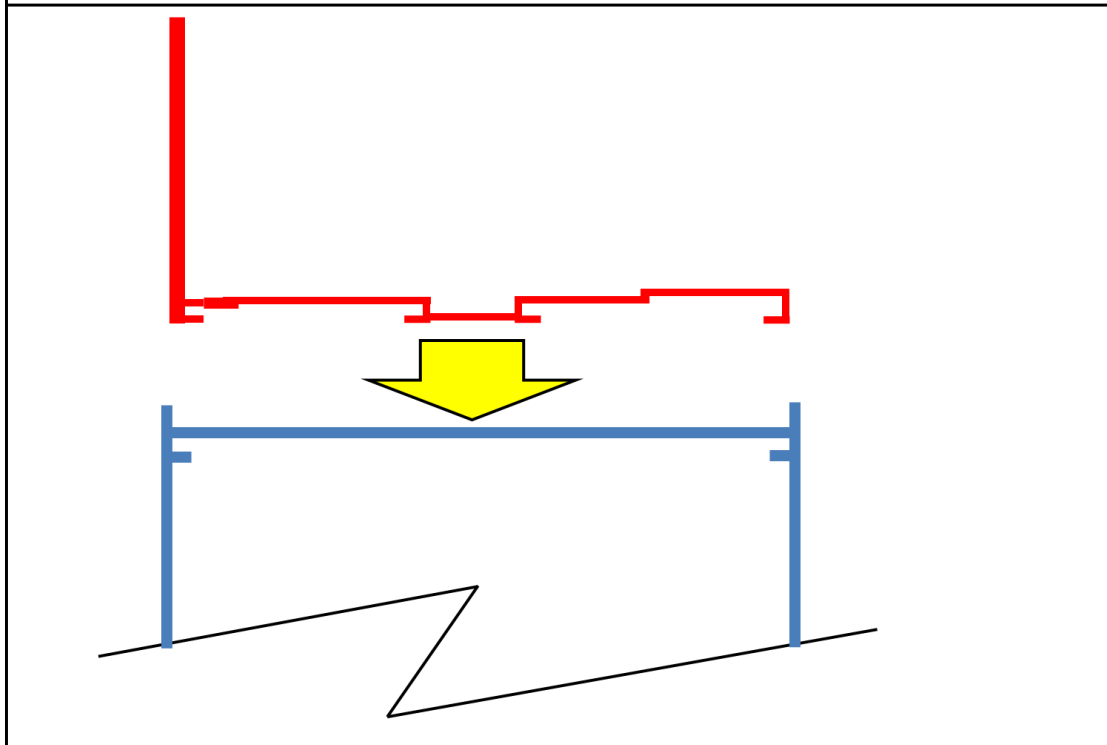
5. Install In-Fill Base Frame.



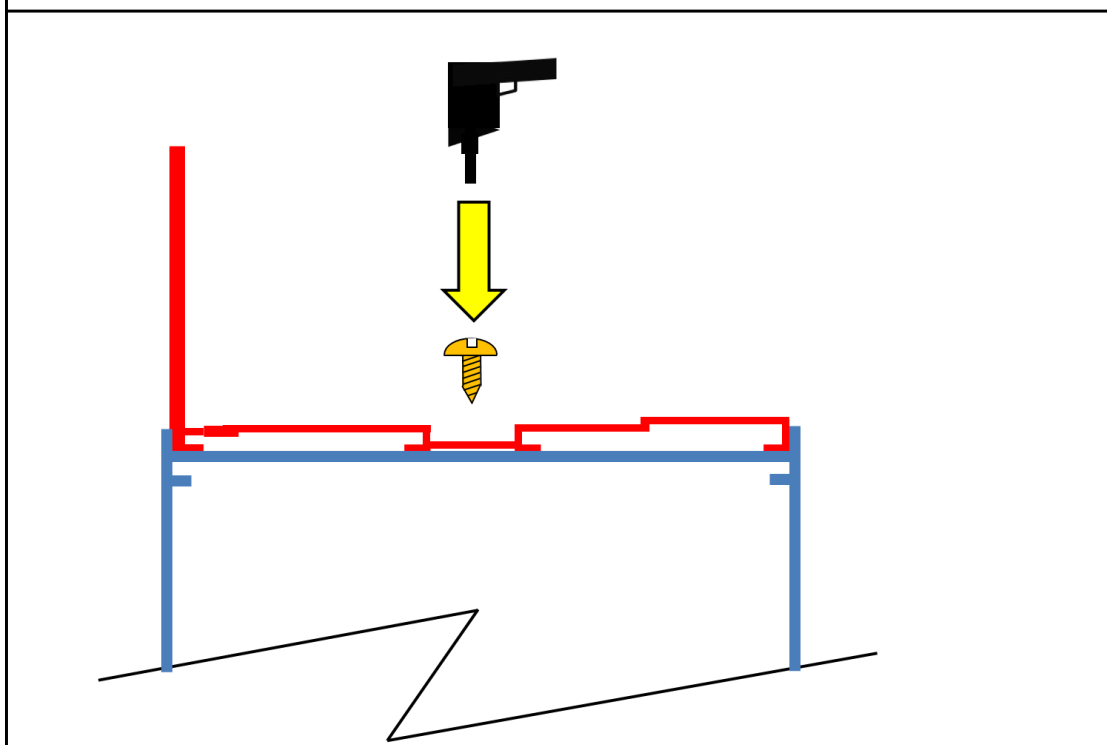
6. Install In-Fill Part A.s and In-Fill Part A Assemblies



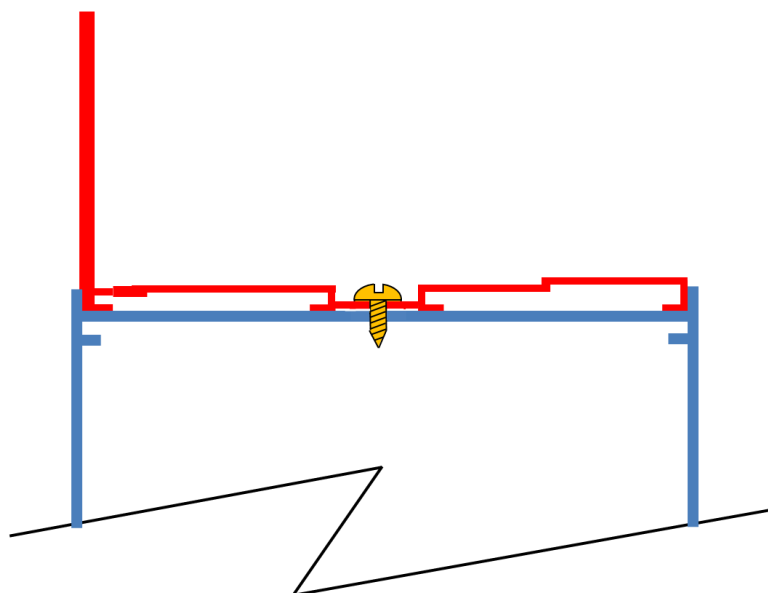
6. Install In-Fill Part A.s and In-Fill Part A Assemblies



6. Install In-Fill Part A.s and In-Fill Part A Assemblies

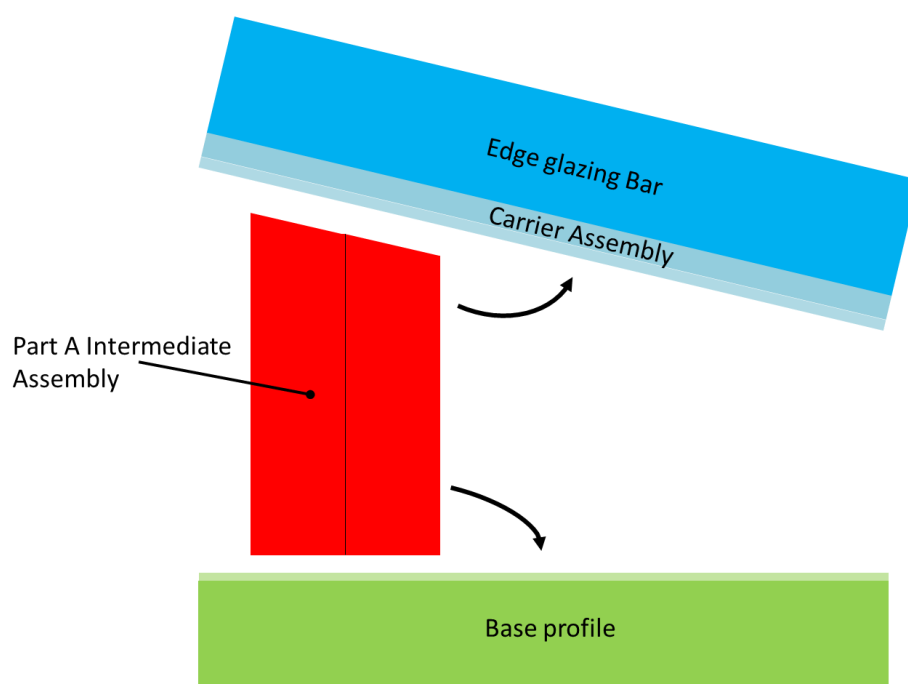


6. Install In-Fill Part A.s and In-Fill Part A Assemblies



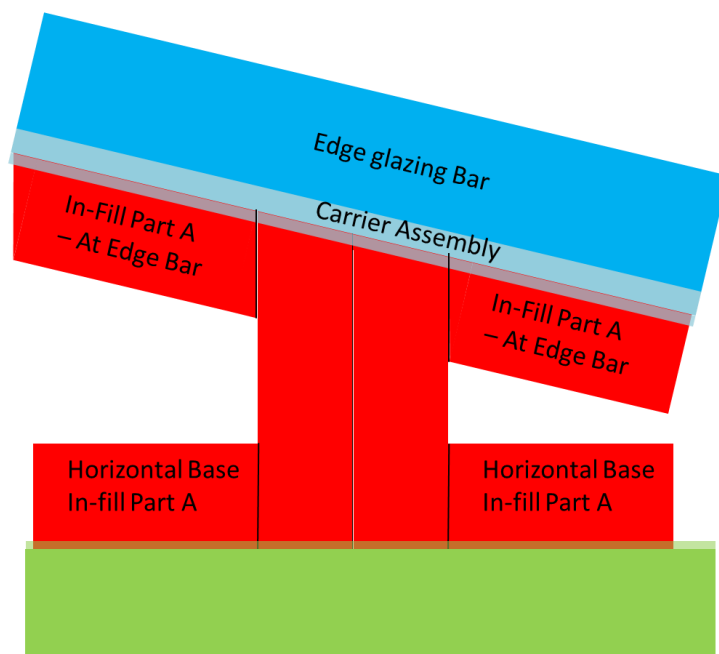
6. Install In-Fill Part A.s and In-Fill Part A Assemblies

Detail View at Edge Glazing Bar and Base

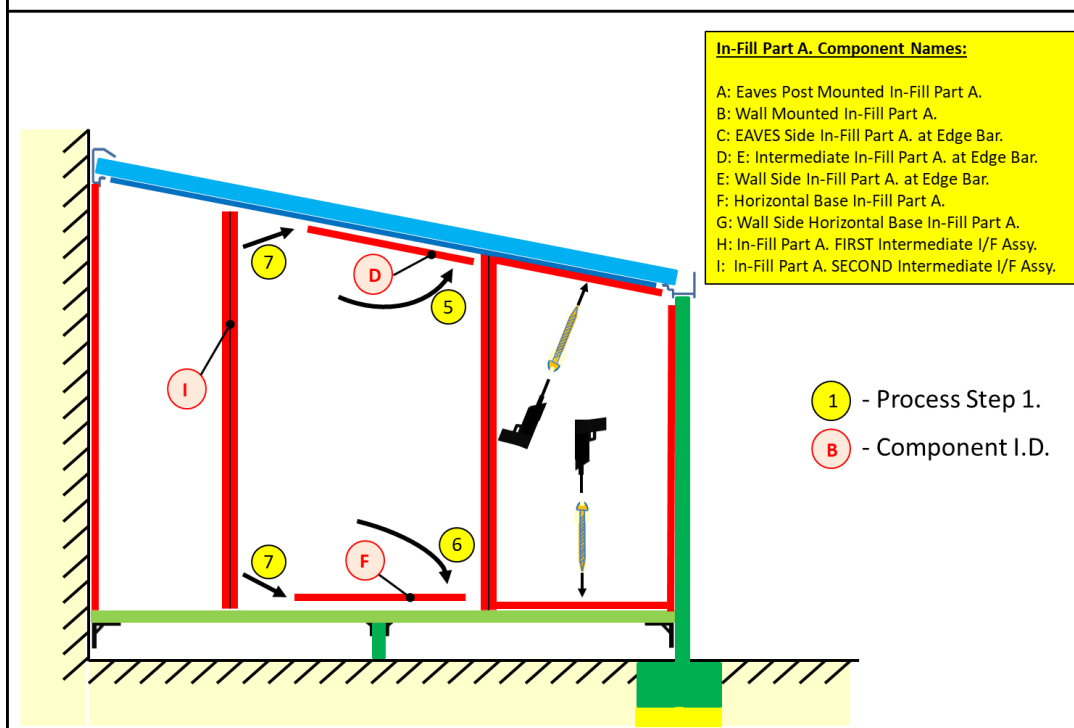


6. Install **In-Fill Part A.s** and **In-Fill Part A Assemblies**

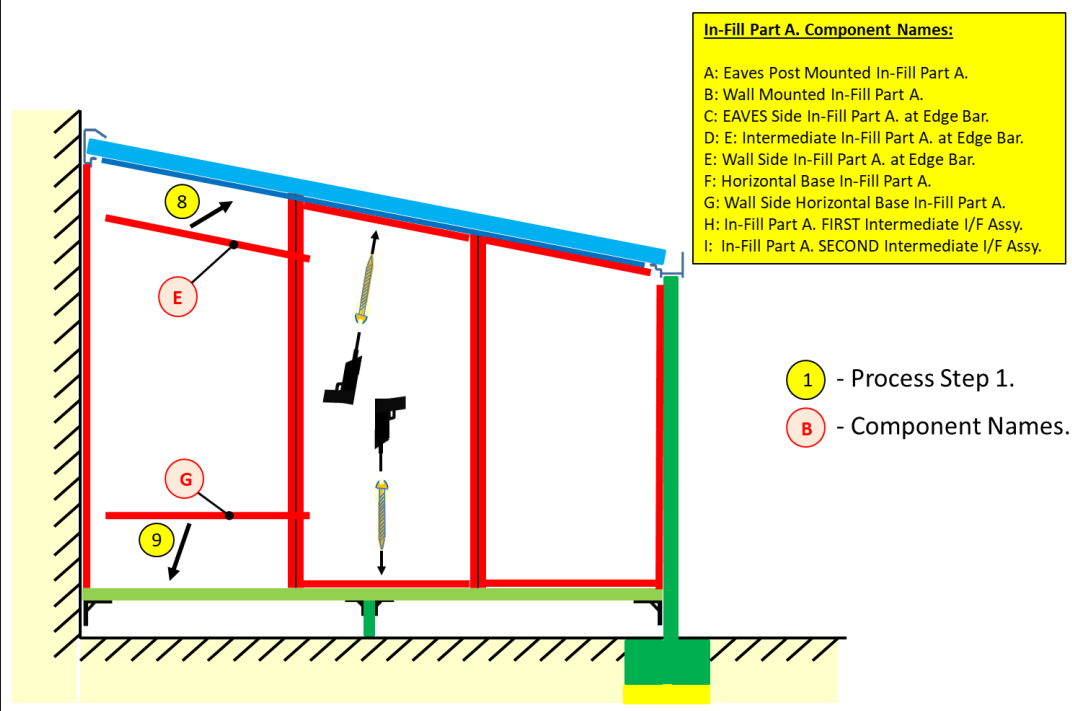
Detail View at Edge Glazing Bar and Base



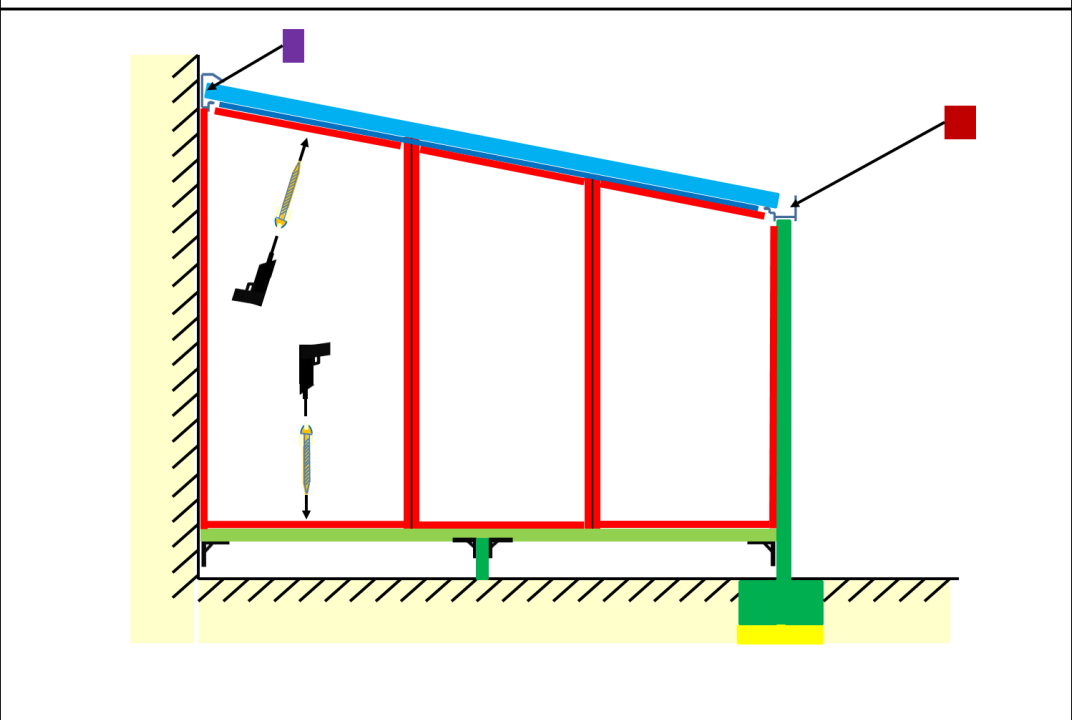
6. Install **In-Fill Part A.s** and **In-Fill Part A Assemblies** (cont.d)



6. Install In-Fill Part A.s and In-Fill Part A Assemblies (cont.d)



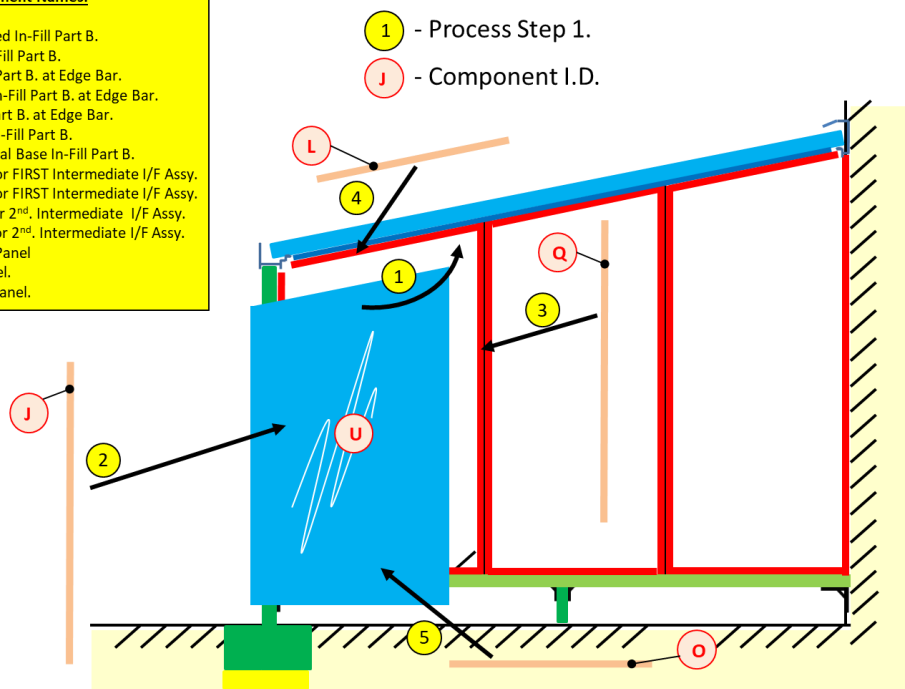
6. Install In-Fill Part A.s and In-Fill Part A Assemblies (cont.d)



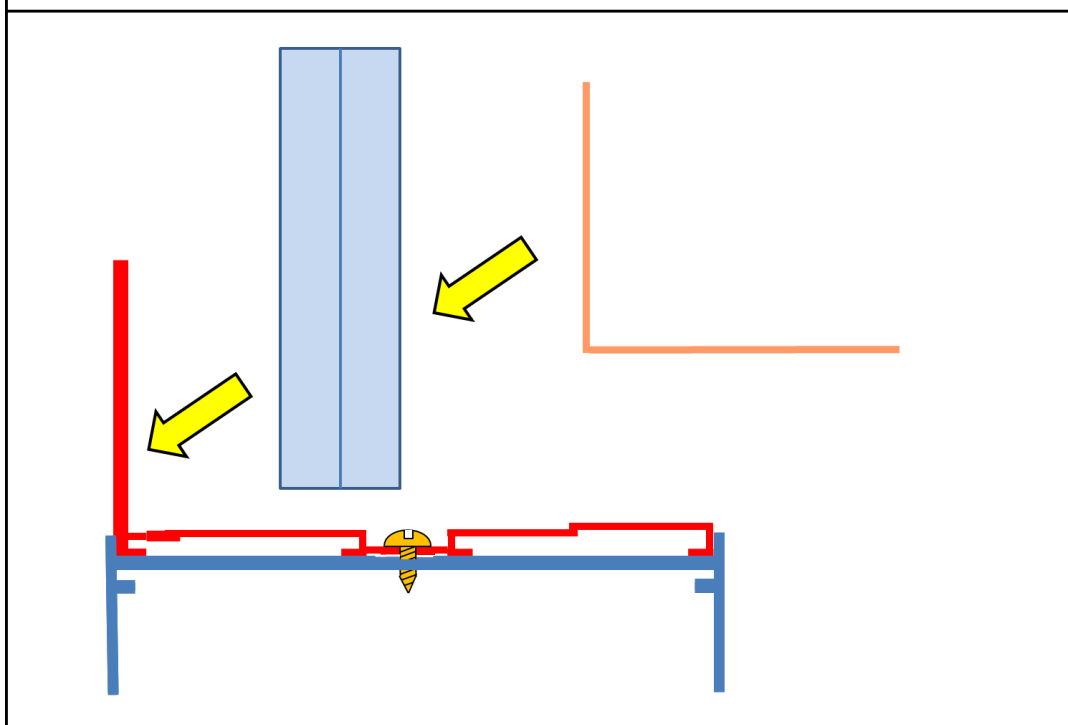
7. Install In-Fill Part B.s and Glazing Panels (from 'inside' the Canopy)

In-Fill Part A. Component Names:

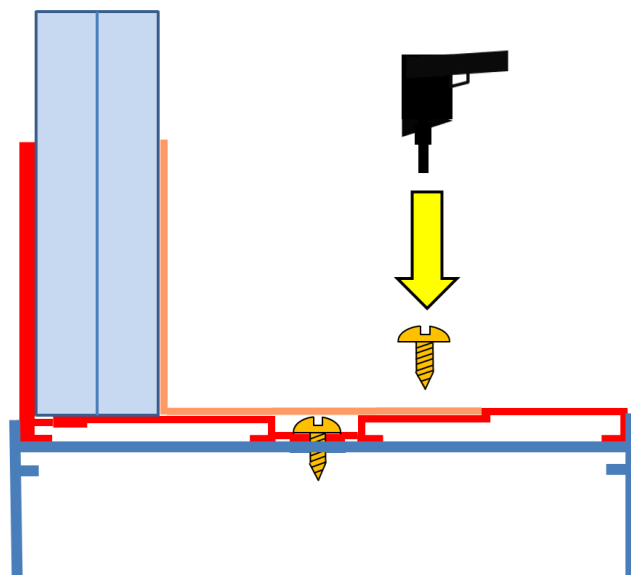
J: Eaves Post Mounted In-Fill Part B.
 K: Wall Mounted In-Fill Part B.
 L: EAVES Side In-Fill Part B. at Edge Bar.
 M: E: Intermediate In-Fill Part B. at Edge Bar.
 N: Wall Side In-Fill Part B. at Edge Bar.
 O: Horizontal Base In-Fill Part B.
 P: Wall Side Horizontal Base In-Fill Part B.
 Q: LH In-Fill Part B. for FIRST Intermediate I/F Assy.
 R: RH In-Fill Part B. for FIRST Intermediate I/F Assy.
 S: LH In-Fill Part B. for 2nd. Intermediate I/F Assy.
 T: RH In-Fill Part B. for 2nd. Intermediate I/F Assy.
 U: Eaves-Side In-Fill Panel
 V: Central In-Fill Panel.
 W: Wall-Side In-Fill Panel.



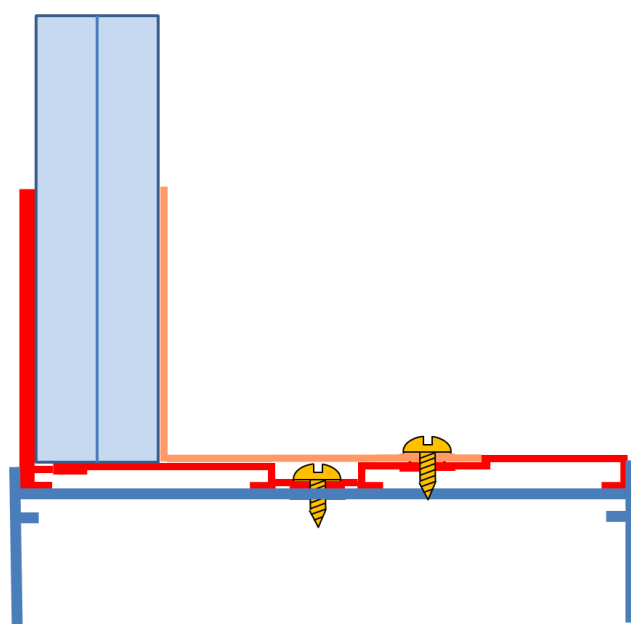
7. Install In-Fill Part B.s and Glazing Panels (from 'inside' the Canopy)



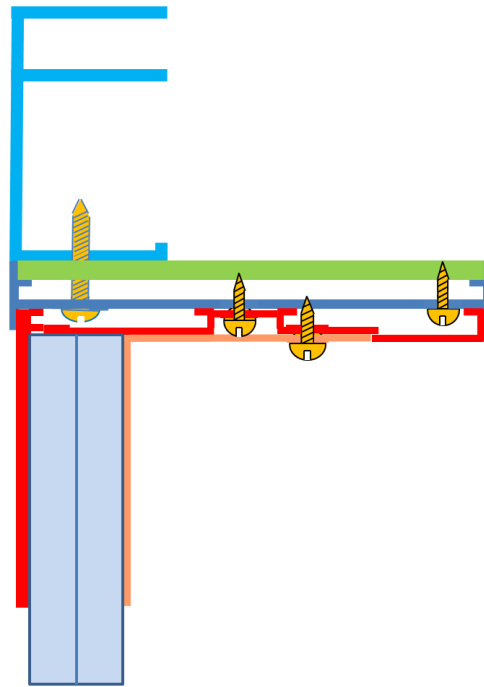
7. Install **In-Fill Part B.s** and Glazing Panels (from 'inside' the Canopy)



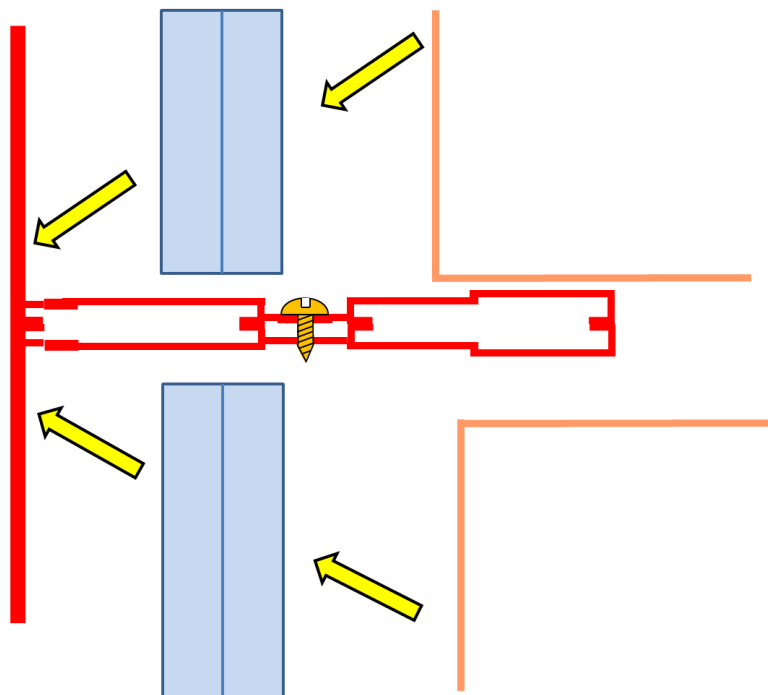
7. Install **In-Fill Part B.s** and Glazing Panels (from 'inside' the Canopy)



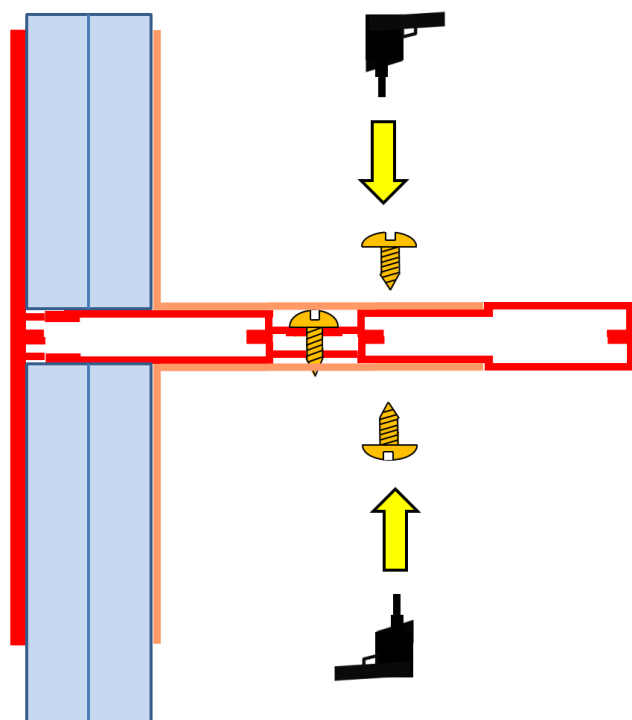
7. Install In-Fill Part B.s and Glazing Panels (from 'inside' the Canopy)



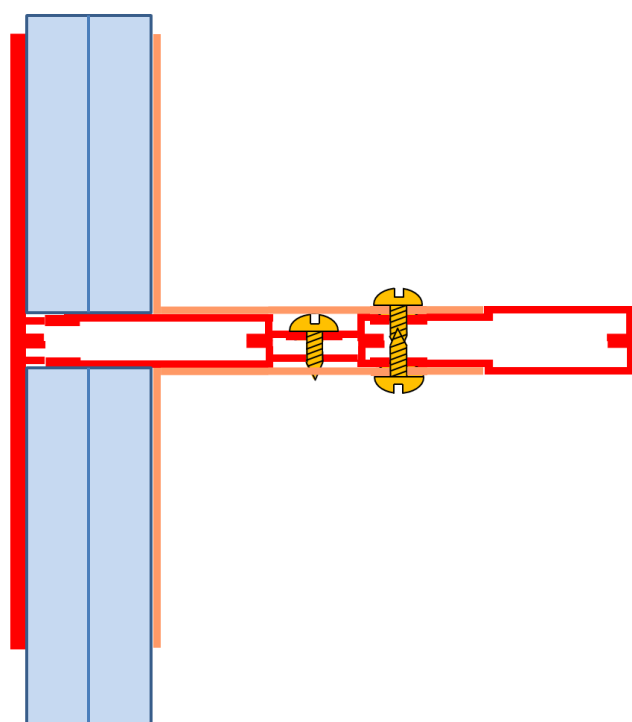
7. Install In-Fill Part B.s and Glazing Panels (from 'inside' the Canopy)



7. Install **In-Fill Part B.s** and Glazing Panels (from 'inside' the Canopy)

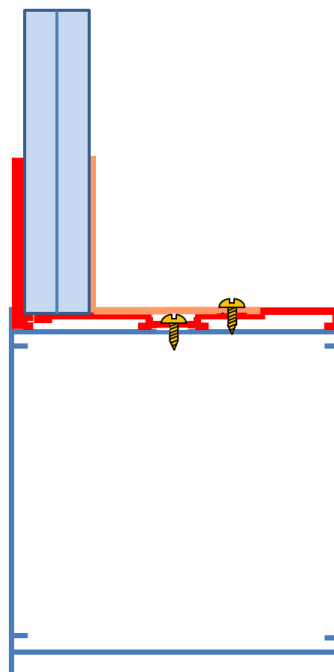


7. Install **In-Fill Part B.s** and Glazing Panels (from 'inside' the Canopy)

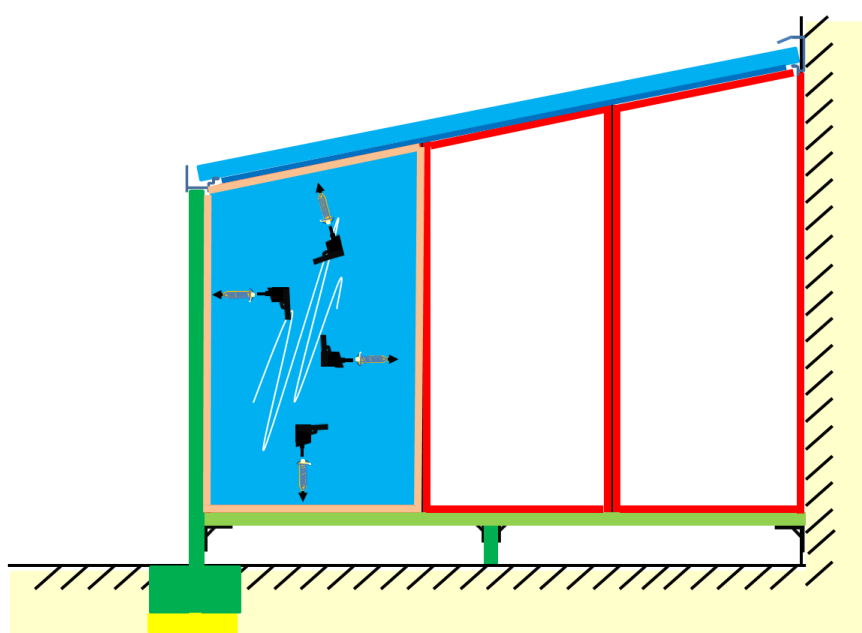


7. Install **In-Fill Part B.s** and Glazing Panels (from 'inside' the Canopy)

Sectional View:
In-Fill Part A and B at
Base Frame shown
secured to Base Frame.



7. Install **In-Fill Part B.s** and Glazing Panels (from 'inside' the Canopy). (Cont.d)



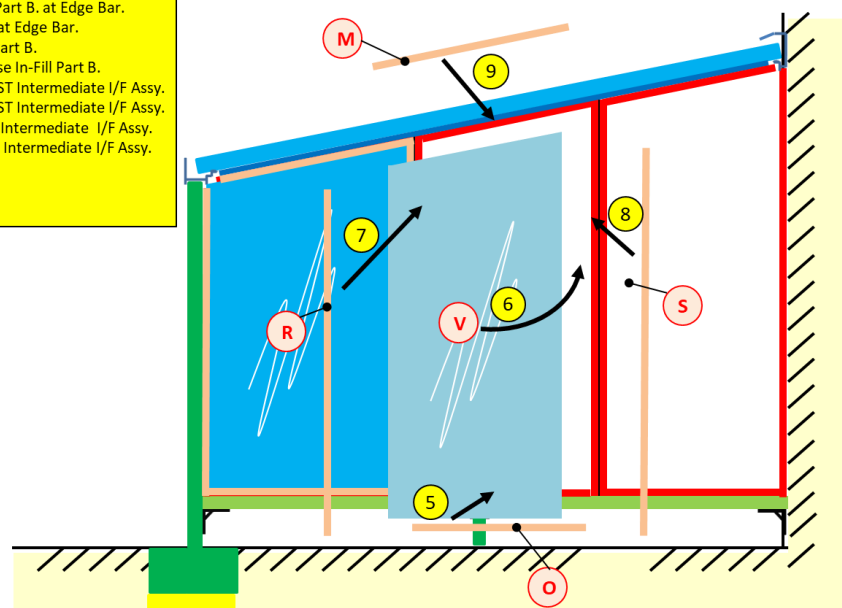
7. Install **In-Fill Part B.s** and Glazing Panels (from 'inside' the Canopy). (Cont.d).

In-Fill Part A. Component Names:

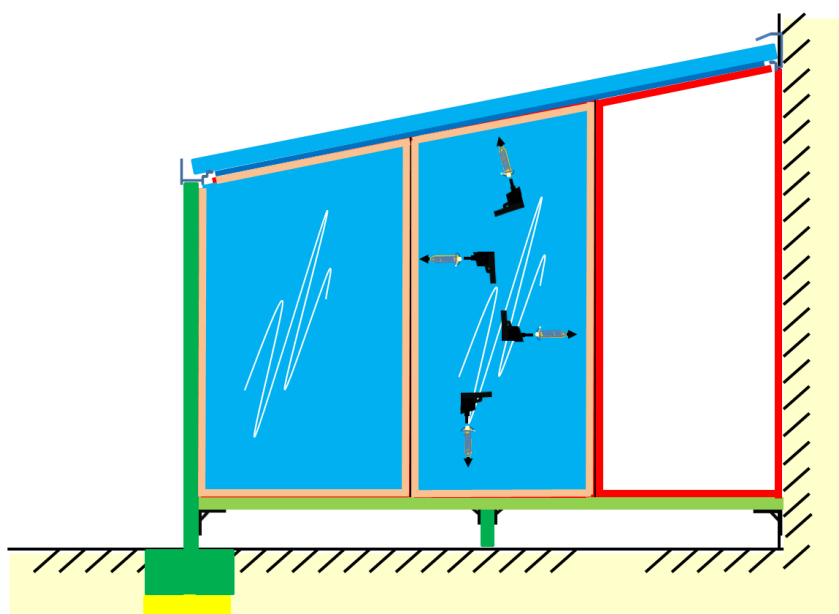
J: Eaves Post Mounted In-Fill Part B.
 K: Wall Mounted In-Fill Part B.
 L: EAVES Side In-Fill Part B. at Edge Bar.
 M: E: Intermediate In-Fill Part B. at Edge Bar.
 N: Wall Side In-Fill Part B. at Edge Bar.
 O: Horizontal Base In-Fill Part B.
 P: Wall Side Horizontal Base In-Fill Part B.
 Q: LH In-Fill Part B. for FIRST Intermediate I/F Assy.
 R: RH In-Fill Part B. for FIRST Intermediate I/F Assy.
 S: LH In-Fill Part B. for 2nd. Intermediate I/F Assy.
 T: RH In-Fill Part B. for 2nd. Intermediate I/F Assy.
 U: Eaves-Side In-Fill Panel
 V: Central In-Fill Panel.
 W: Wall-Side In-Fill Panel.

6 - Process Step 6.

J - Component I.D.



7. Install **In-Fill Part B.s** and Glazing Panels (from 'inside' the Canopy). (Cont.d).



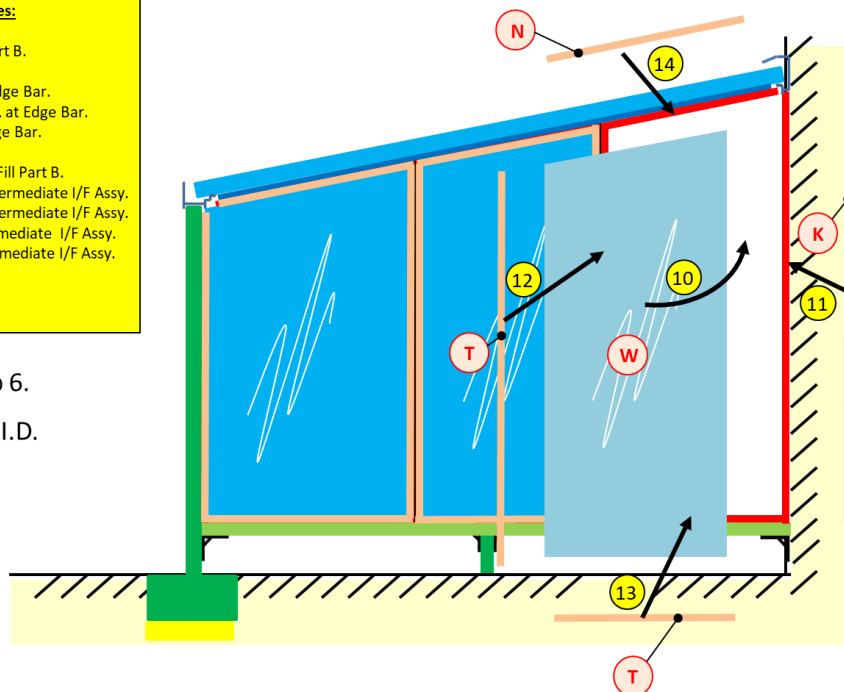
7. Install In-Fill Part B.s and Glazing Panels (from 'inside' the Canopy). (Cont.d).

In-Fill Part A. Component Names:

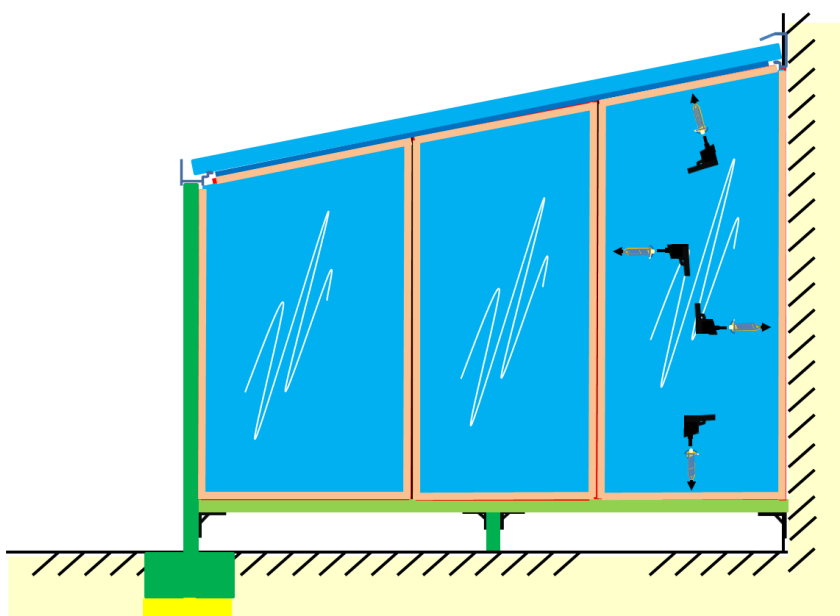
J: Eaves Post Mounted In-Fill Part B.
 K: Wall Mounted In-Fill Part B.
 L: EAVES Side In-Fill Part B. at Edge Bar.
 M: E: Intermediate In-Fill Part B. at Edge Bar.
 N: Wall Side In-Fill Part B. at Edge Bar.
 O: Horizontal Base In-Fill Part B.
 P: Wall Side Horizontal Base In-Fill Part B.
 Q: LH In-Fill Part B. for FIRST Intermediate I/F Assy.
 R: RH In-Fill Part B. for FIRST Intermediate I/F Assy.
 S: LH In-Fill Part B. for 2nd. Intermediate I/F Assy.
 T: RH In-Fill Part B. for 2nd. Intermediate I/F Assy.
 U: Eaves-Side In-Fill Panel
 V: Central In-Fill Panel.
 W: Wall-Side In-Fill Panel.

10 - Process Step 6.

J - Component I.D.



7. Install In-Fill Part B.s and Glazing Panels (from 'inside' the Canopy). (Cont.d).



06 Care and Maintenance

Your Omega Smart Canopy will require very little care and maintenance.

The aluminium frames are powder coated in polyester.

The glazing panels can be:

1. Structured Polycarbonate (Clear, Bronze, Opal).
2. Plate Polycarbonate, or
3. Glass.

Cleaning

1. The metalwork can be cleaned with a soft cloth and soapy water.
2. The Polycarbonate Glazing Panels can be cleaned:
 - a. Gently wash sheet with a solution of mild soap and lukewarm water, using a soft, grid-free cloth or sponge to loosen any dirt or grime.
 - b. Fresh paint splashes, grease and smeared glazing compounds can be removed easily before drying by rubbing lightly with a soft cloth using petroleum ether (BP65), hexane or heptane. Afterwards, wash the sheet using mild soap and lukewarm water.
 - c. Scratches and minor abrasions can be minimised by using a mild automobile polish. Test on a small area of sheet before using on the entire sheet is recommended.
 - d. Finally, thoroughly rinse with clean water to remove any cleaner residue and dry the surface with a soft cloth to prevent water spotting.
3. Glass Glazing Panels can be cleaned using proprietary glass cleaners.

Other important instructions for Polycarbonate Glazing Panels:

1. Never use abrasive or highly alkaline cleaner on polycarbonate materials.
2. Never use aromatic or halogenated solvents like toluene, benzene, gasoline, acetone or carbon tetrachloride on polycarbonate materials.
3. Use of in with polycarbonate sheet can cause structural and/or surface damage.
4. Contact with harsh solvents such as methyl ethyl ketone (MEK) or hydrochloric acid can result in surface degradation and possible crazing of polycarbonate sheet.
5. Never scrub with brushes, steel wool or other abrasive materials.
6. Never use squeegees, razorblades or other sharp instruments to remove deposits or spots.
7. Do not clean polycarbonate in direct sunlight or at high temperatures as this can lead to staining.
8. For all mentioned chemicals consult the manufacturers' material safety data sheets for proper safety precautions.