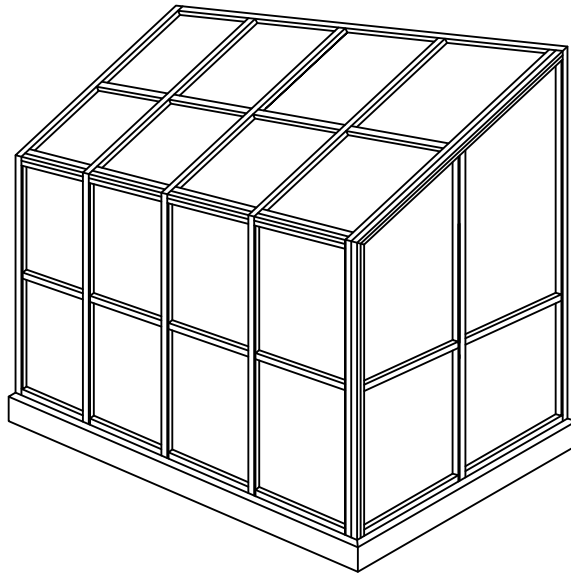


5700 SLOPED GLAZING



Series 5700 is specified for applications where lean-to or ridge type sloped glazing is required.

KEY FEATURES:

- Thermal Break
- Pressure equalized integral drainage
- Exterior Glazed
- 2" Sightline
- Accommodates 1" glazing units
- Mullion depths in 2- $\frac{3}{4}$ " and 4"
- Captured Style
- Compatible with a variety of Windspec doors and operable windows
- Available in anodized and painted finishes



WINDSPEC INC.

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Telephone (905) 738 -8311 Fax (905) 738 - 6188

JANUARY 2017

5700 SLOPED GLAZING

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5700 SLOPED GLAZING SPECIFICATIONS

PART 1 - GENERAL

1.1. DESCRIPTION OF WORK

- A. Furnish all labour, material, plant and services required to complete fabrication and shipment of skylights as specified herein.
- B. Work is limited to skylight system only; and includes the following:
 1. Thermal aluminum vinyl frame system.
 2. Glass, acrylic or polycarbonate glazing and glazing gaskets.
 3. Factory installation or installation by factory approved contractor with site supervision as required.

1.2. QUALITY ASSURANCE

- A. The skylights specified herein shall be manufactured by WINDSPEC INC. of Concord, Ontario. Substitute manufacturers shall not be considered without written approval of at least 10 days prior to bid date.
- B. Qualifications include a minimum of 5 years experience in skylight manufacturing, qualified by performing similar work and having experienced workmen to perform work of type required by contract documents and licensed where appropriate.

1.3. SUBMITTALS

- A. Copies of shop drawings shall be submitted for the architect's approval prior to starting fabrication.
- B. Submit samples of products as required by architect.

1.4. WARRANTY

- A. Windspec Inc. unit skylights are guaranteed for a period of 5 years from date of purchase against defects in materials of workmanship.
- B. All custom skylight systems are guaranteed for a period of 2 years from the date installation against leakage and defects in materials or workmanship.
- C. These guarantees are limited to repair or replacement, at our discretion, and does not cover any freight, installation, or consequential damages.

PART 2 - PRODUCTS

2.1. MATERIALS

- A. All framing systems shall be extruded aluminum 6063-T6 alloy, with extruded rigid PVC thermal break.
- B. All exposed aluminum surfaces shall be standard clear, bronze or black anodized. Custom finishes and colours are also available.
- C. Sealants, as designated on drawing shall be neutral cure architectural grade silicone.
- D. Fasteners shall be stainless steel or cadmium plated steel. All exposed fasteners to match specified colour of adjacent aluminum.
- E. Glazing shall be double glazed by design criteria.

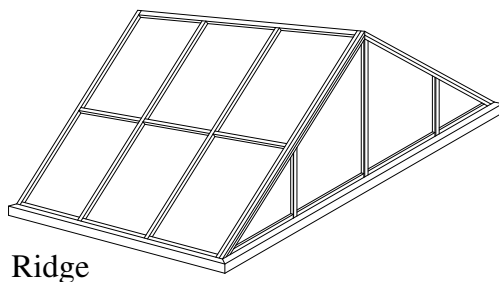
2.2. FABRICATION

- A. Skylights shall be factory assembled and shipped as such. Work which cannot be permanently assembled will be shipped in the pre-assembled sections to minimize field assembly.
- B. Materials shall be as specified in Part 2.1.

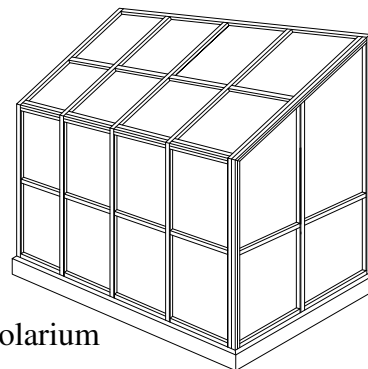
PART 3 - EXECUTION

3.1. INSTALLATION

- A. Installer shall inspect area to receive skylights to determine that the conditions are in accordance with shop drawings and specifications. Any variance shall be recorded in writing and corrections made before beginning installation.
- B. Installation shall be in strict accordance with this specifications and the manufacturers shop drawings and installation instructions.
- C. All materials provided by installer shall be in accordance with those shown on the shop drawings.
- D. Installer shall remove all labels and protective packaging from components and shall leave the installation free of all construction dirt and sealant smears.
- E. Final cleaning and physical protection of all installed materials shall be performed by the general contractor.



Ridge



Solarium



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5700 SLOPED GLAZING DESCRIPTIONS

Series 5700 is specified for applications where lean-to or ridge type slope glazing is required.

The rafters which are available in depths of 78 mm (2 3/4") and 101.6 mm (4") have been designed with internal drainage channels placed into the exterior pressure zones. The purlin 78 mm (2 3/4") is designed to drain water into the rafter channels and uses joinery by an overlap notch to the rafter for assembly E.P.D.M. gaskets, seals, are keyed into the extrusions with polyisobutylene shim tape to the interior. This ensures pressure equalization.

Description

System to have internal drainage channels placed into the exterior pressure zone. Purlins to be designed to drain water into the rafter channels (overlapped). All joints to be sealed, mechanically fixed and able to move under temperature changes. No exposed screws at this point is permitted.

System to be pressure equalized with continuous air seal. Exterior and interior seal to be extruded E.P.D.M. keyed into the aluminum sections. Interior seal to be cemented at intersections. Exterior seal to be held under constant compression of 10 P.S.I.

System shall be designed to prevent water blow back.



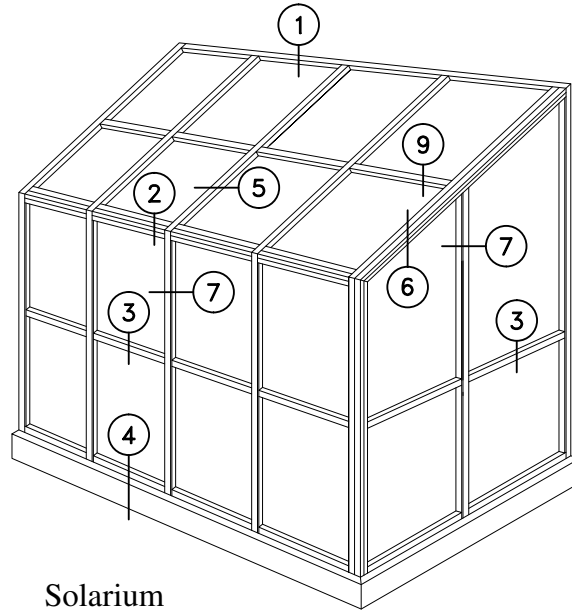
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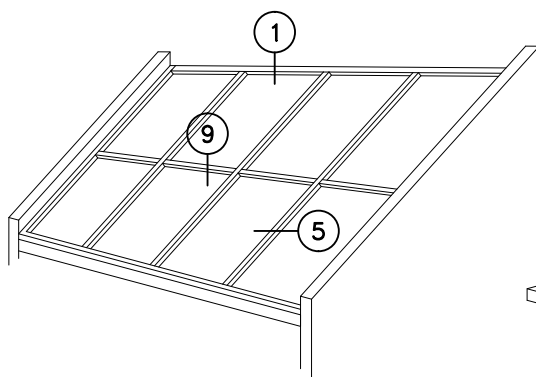
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5700 SLOPED GLAZING

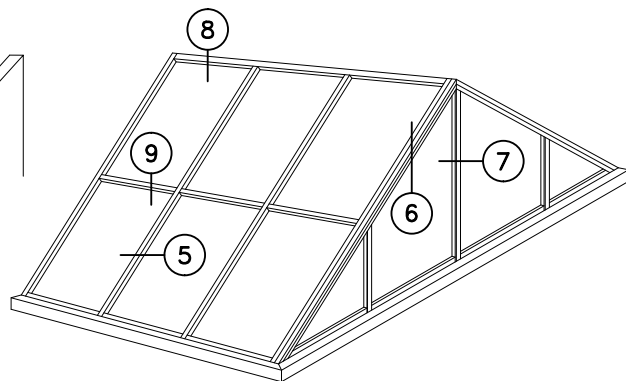
ISOMETRIC VIEW



Solarium



Lean-to



Ridge

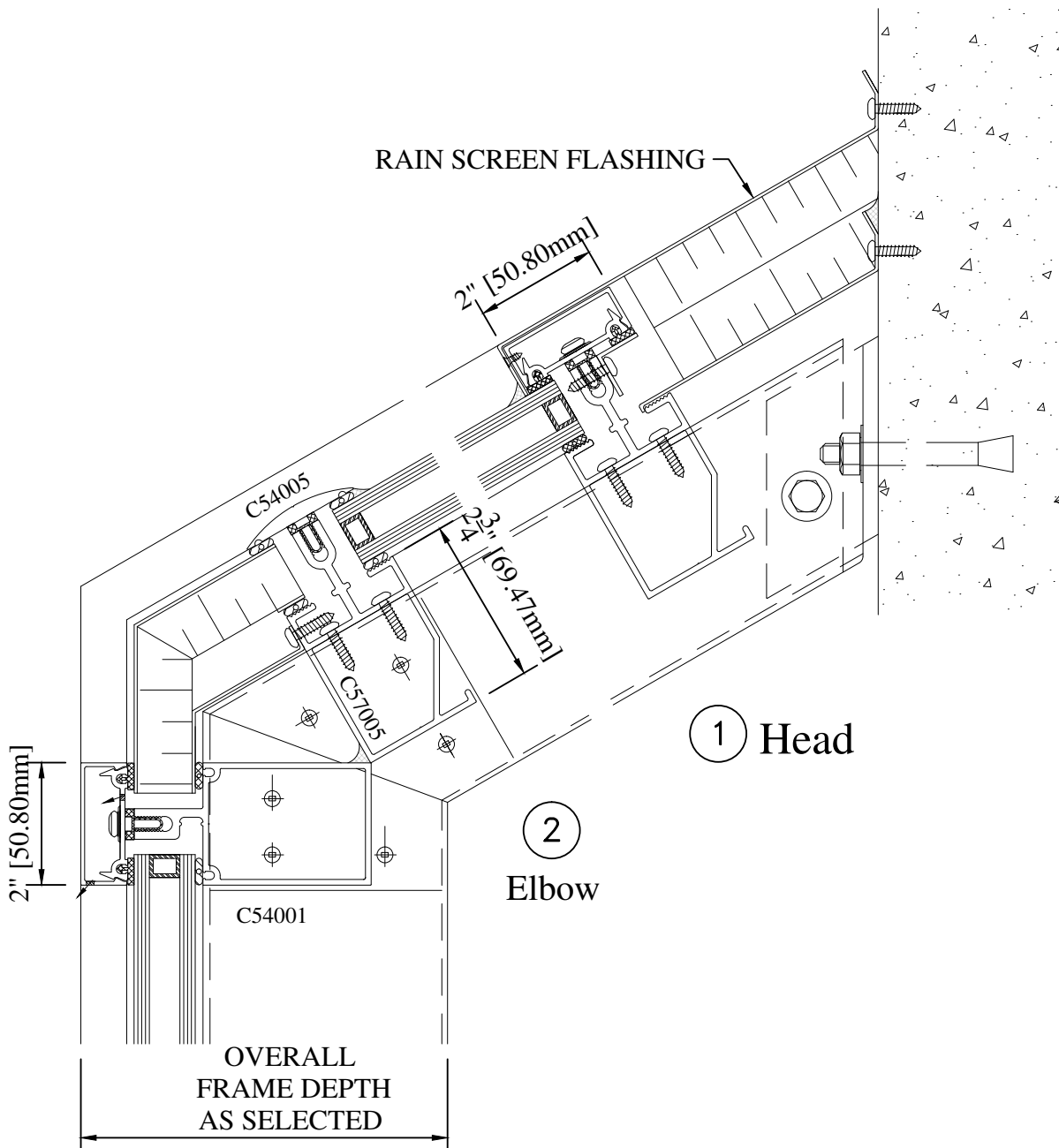


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5700 SLOPED GLAZING

TYPICAL DETAILS

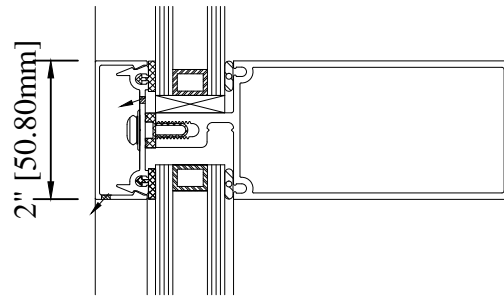


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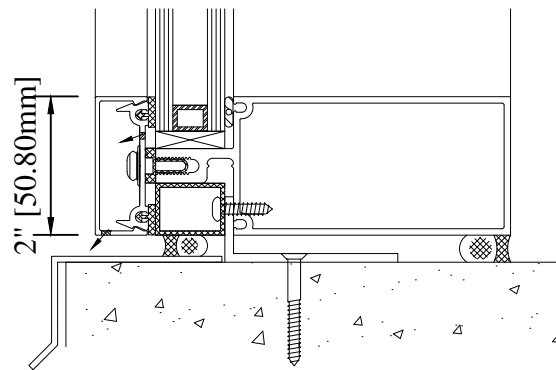
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5700 SLOPED GLAZING

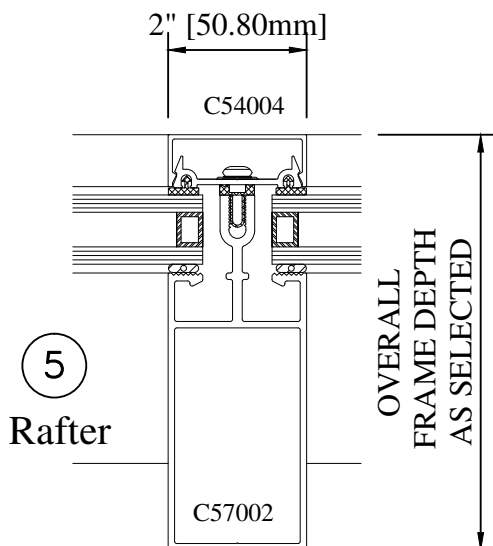
TYPICAL DETAILS



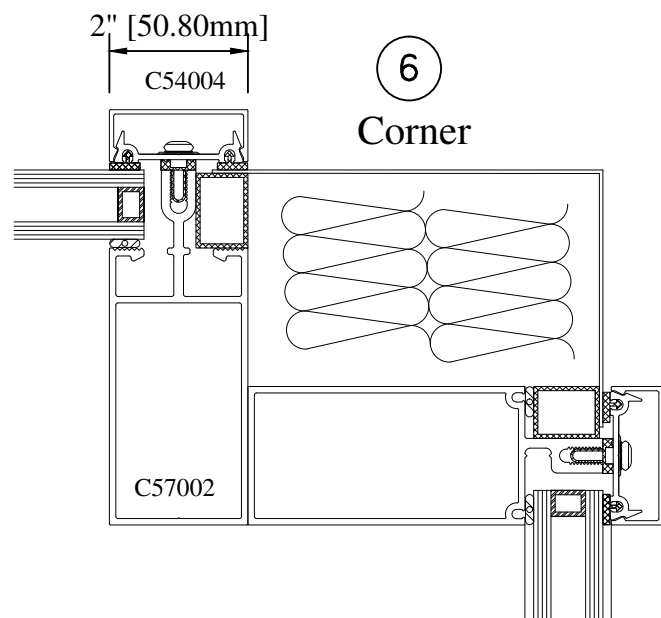
3
Horizontal



4
Sill



5
Rafter



6
Corner

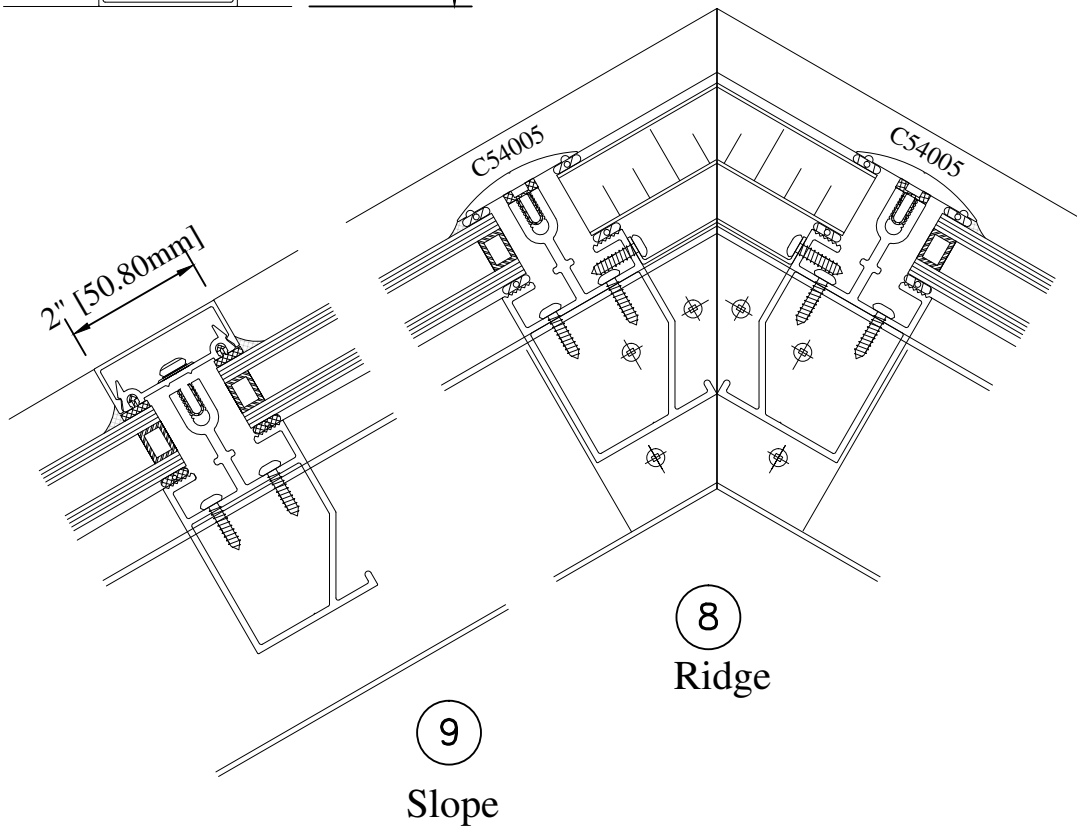
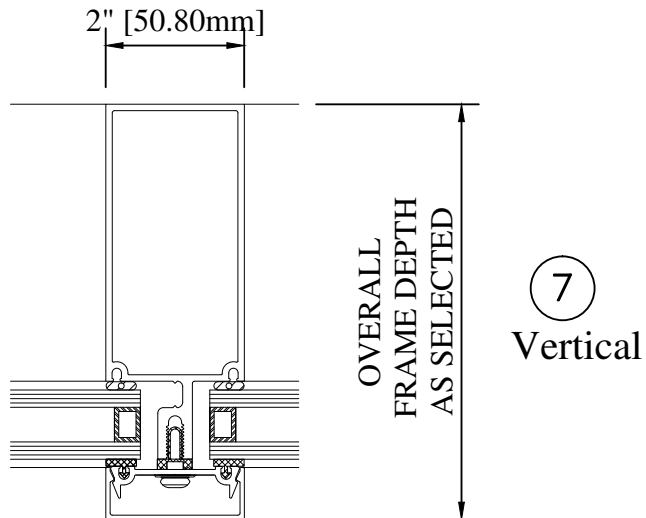


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TYPICAL DETAILS

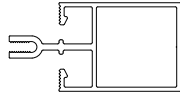
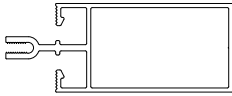
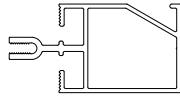


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5700 SLOPED GLAZING

PARTS LIST

Part Number	Description	Profile
C-57001	2 x 2 $\frac{3}{4}$ " (50.8mmx69.9mm) rafter	
C-57002	2 x 4" (50.8mmx101.6mm) rafter	
C-57005	2 x 2 $\frac{3}{4}$ " (50.8mmx69.9mm) purlin	
C-54004	2 x $\frac{3}{4}$ " snap on cap	
C-54005	2" sloped glaze pressure plate	
C-54006	2" pressure plate	
R-00003	glazing tape polyshim ($\frac{3}{8}$ " x $\frac{5}{32}$ " x $\frac{1}{8}$ ")	 N.T.S.
R-53001	p.v.c thermal break	 N.T.S.

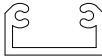
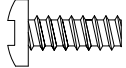
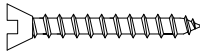


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5700 SLOPED GLAZING

PARTS LIST

Part Number	Description	Profile
C-54001	p.v.c pocket filler	 N.T.S.
C-54002	exterior glazing spline	 N.T.S.
C-54003	shear blocks for mullions	 N.T.S.
C-54004	$\frac{1}{4}$ " ϕ x #20 x $\frac{3}{4}$ " s.s machine screw	 N.T.S.
C-54005	#10 x $\frac{3}{4}$ " tapping screw	 N.T.S.
C-54006	$\frac{1}{4}$ " ϕ x #20 x $\frac{7}{8}$ " flat head	 N.T.S.
C-54007	#10 x 1" flat head screw-zinc plated	 N.T.S.



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