

# Platypus Sprinkler USA Hints & How To Guide

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Platypus USA



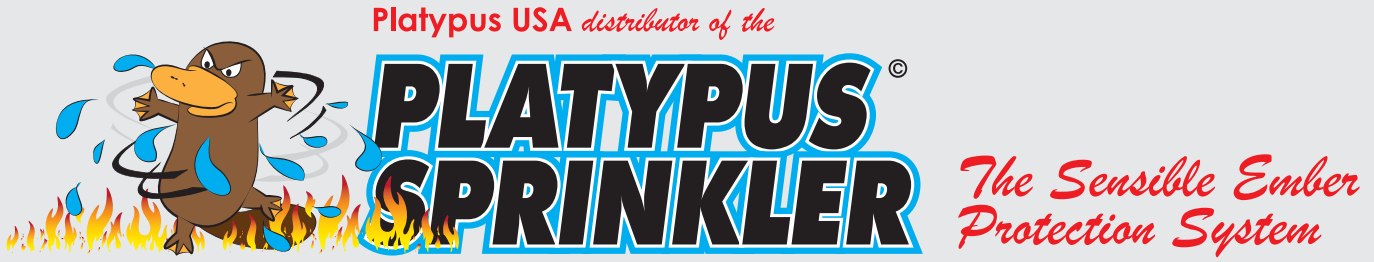
**PLATYPUS<sup>®</sup>  
CONTROLLER**

and



**PLATYPUS<sup>®</sup>  
SPRINKLER**

*The Sensible Ember Protection System*



## Sprinkler spacing and flow

Nozzle sizes available	Maximum spacing between sprinkler heads	Nominal flow rate using our Flow Control Insert
2.5mm	11 ½ Feet	1.6 gpm
3.2mm	11 ½ Feet	2.4 gpm
4.0mm	13 Feet	3.7 gpm

## Rule of thumb guide for pipe sizing

	Max. number of sprinklers for ¾" Type M Copper	Max. number of sprinklers for 1" Type M Copper	Max. number of sprinklers for 1¼" Type M Copper	Max. number of sprinklers for 1½" Type M Copper	Max. number of sprinklers for 2" Type M Copper
2.5mm	8	14	22	31	54
3.2mm	4	8	13	18	33
4.0mm	2	5	8	11	20

Maximum angle of sprinkler installation is 35° off vertical for effective operation.

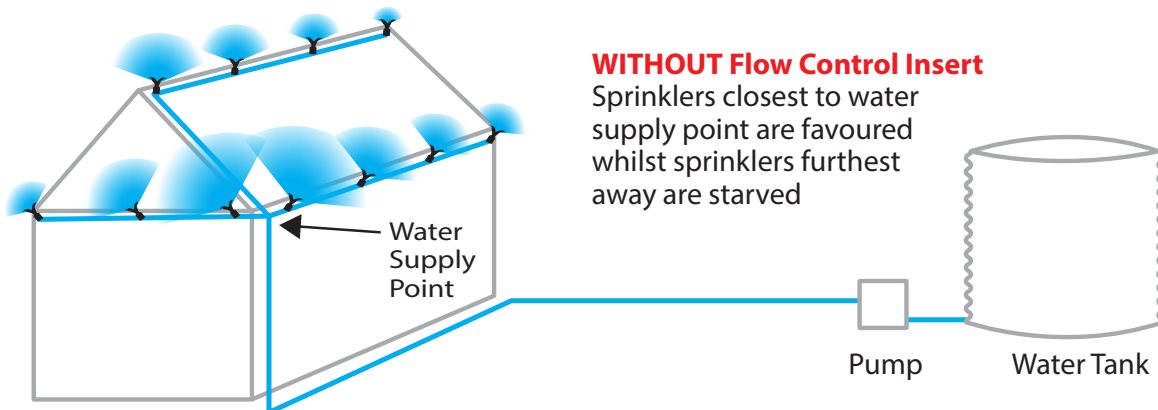
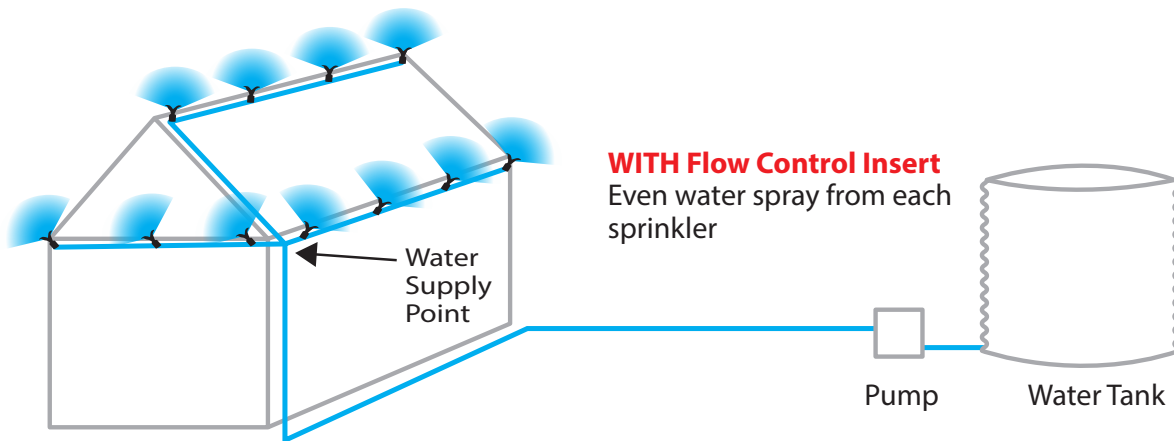
Recommended minimum operating pressure at pump is 75 psi.

Optimum operating pressure at each sprinkler head is 45 psi.

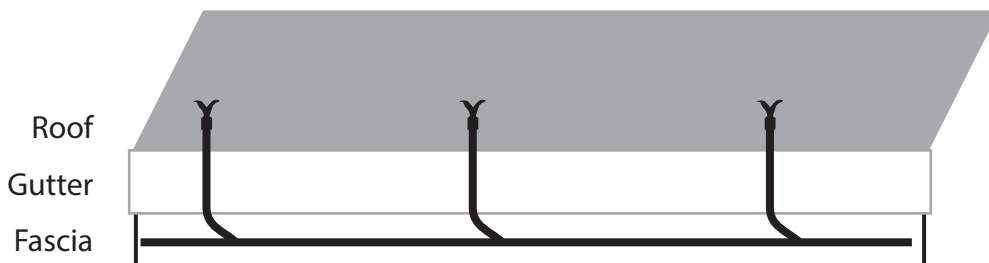
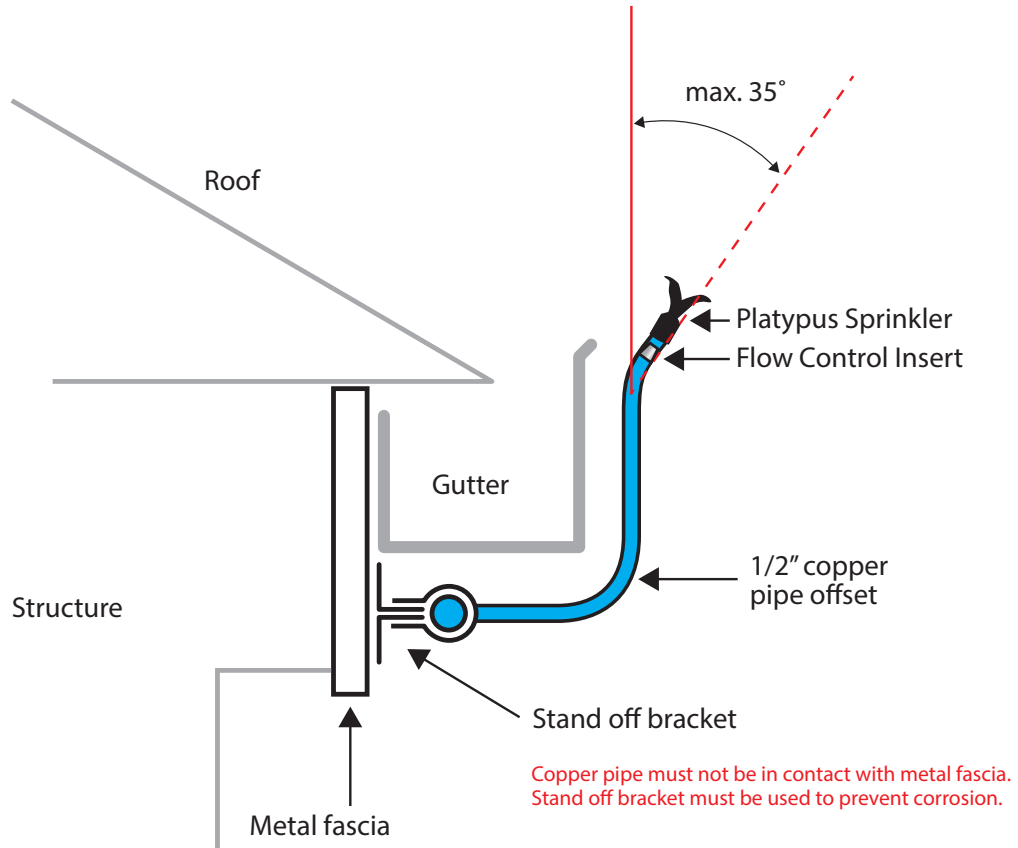
We recommend using our Flow Control Inserts to ensure optimum performance.

## Benefits of using Flow Control Inserts

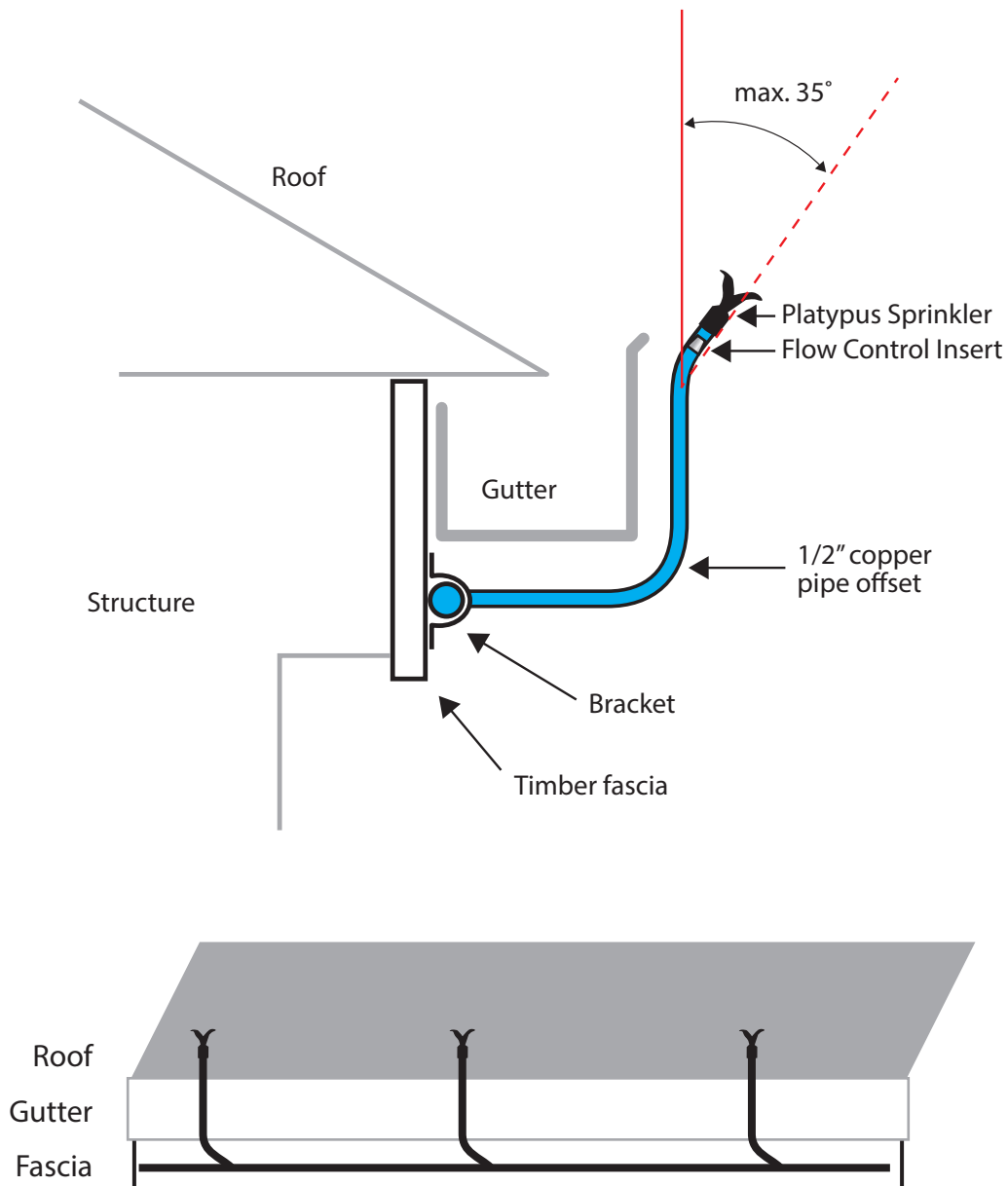
- Flow Control Inserts are installed at each sprinkler
- Flow Control Inserts only available for 2.5mm and 3.2mm nozzles



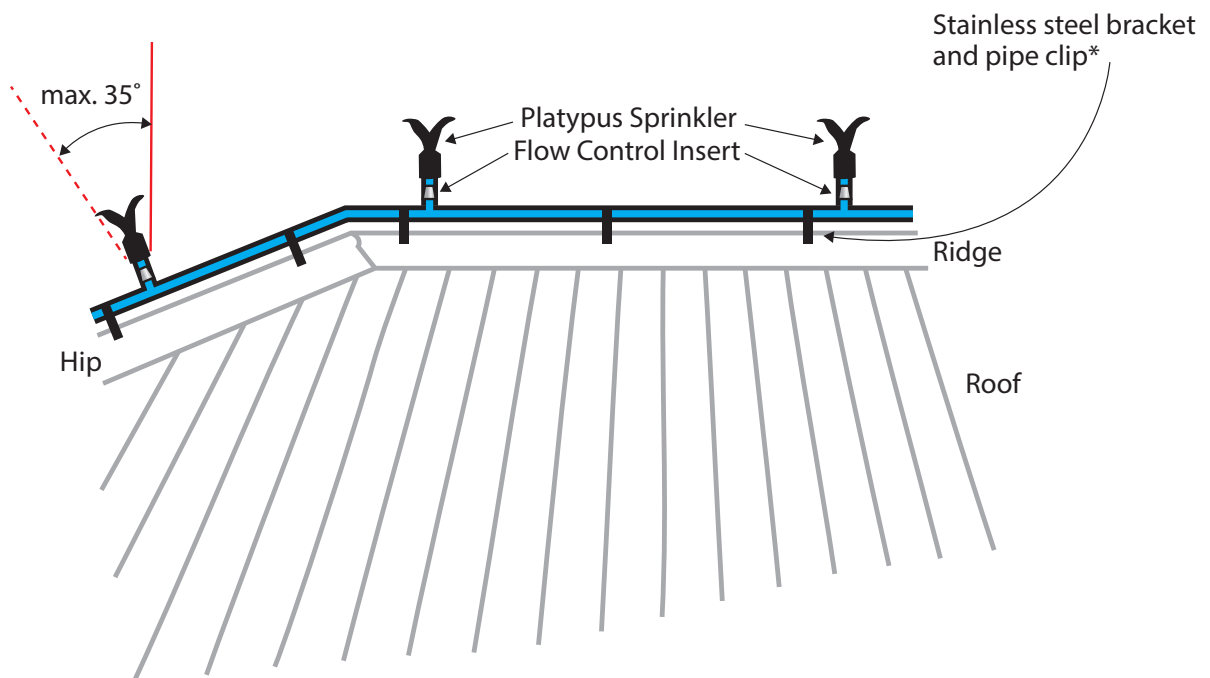
## Metal Fascia



## Timber Fascia

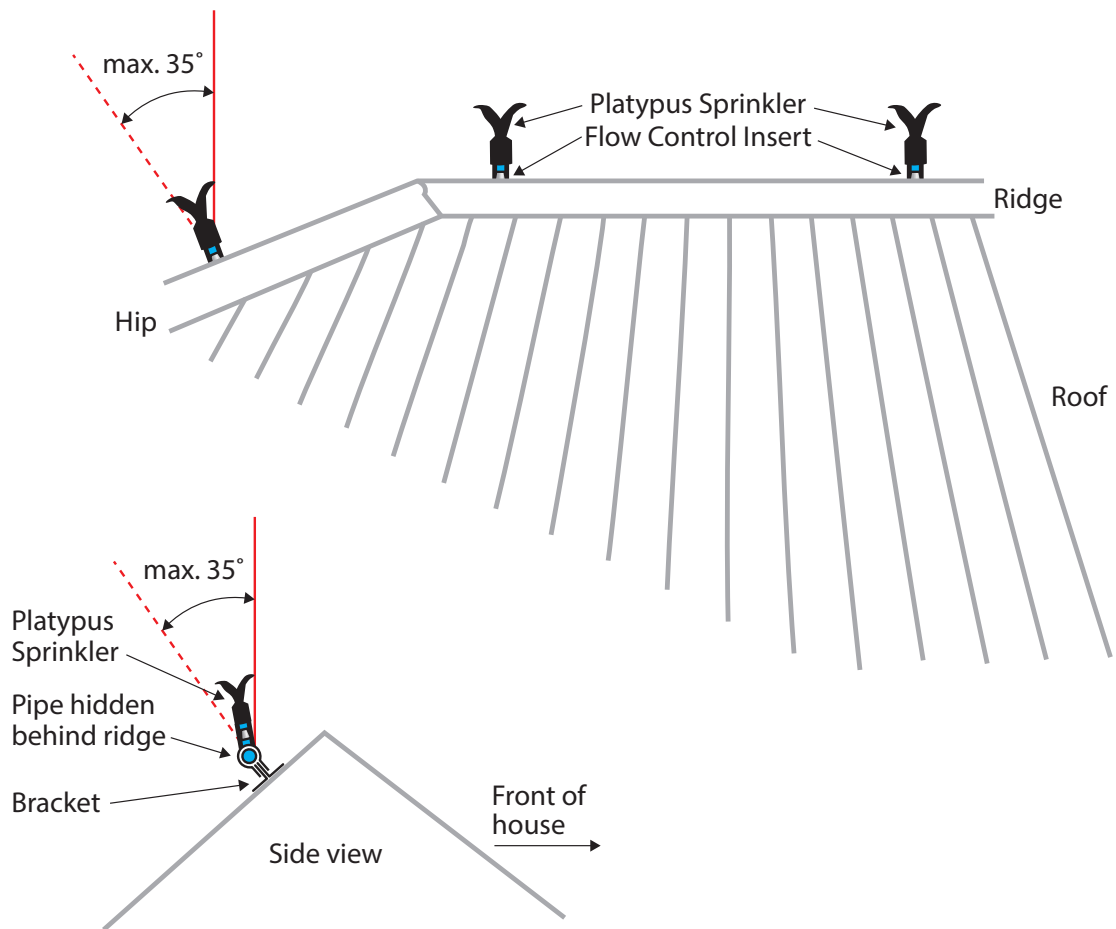


## Ridgeline and Hip Exposed Mount

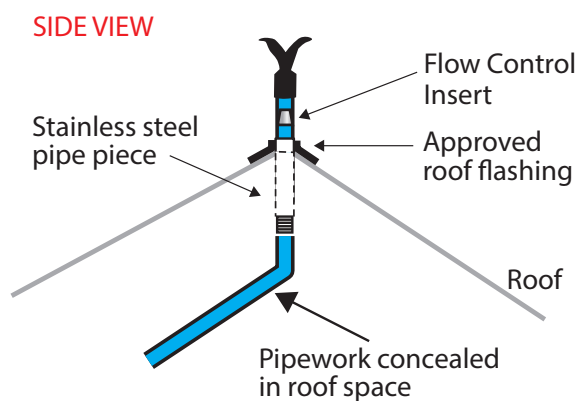
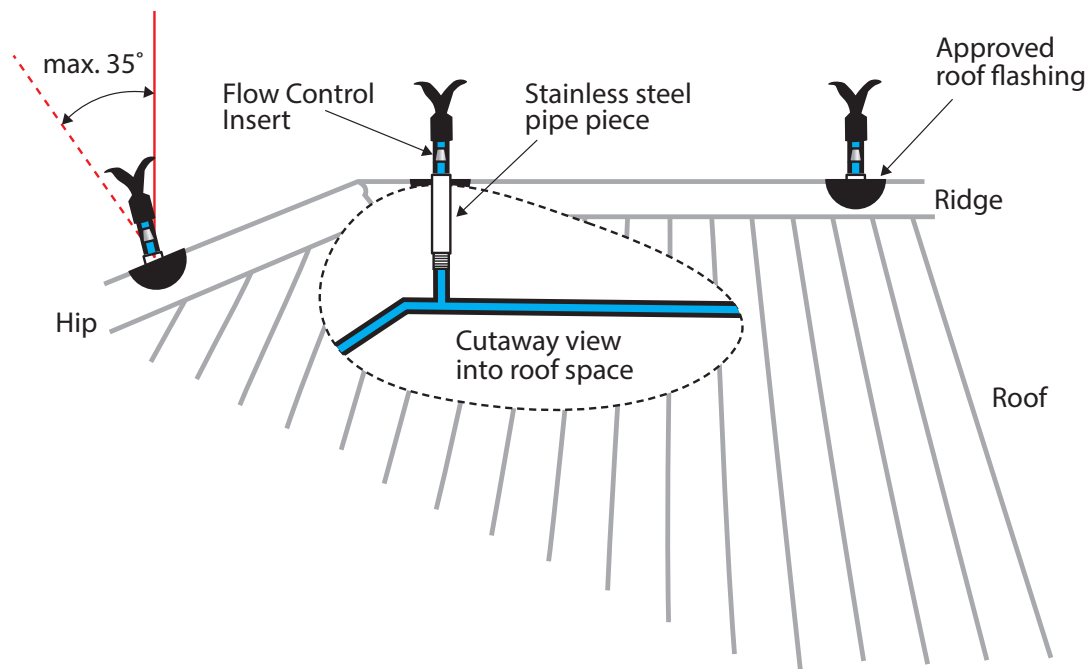


- \* Stainless steel bracket and pipe clip secured to metal roofing with tek screw and rubber seal.
- \* Stainless steel bracket and pipe clip secured to tile roofing using SikaFlex 11IFC and Sika Primer.

## Ridgeline and Hip Backside Hidden Mount

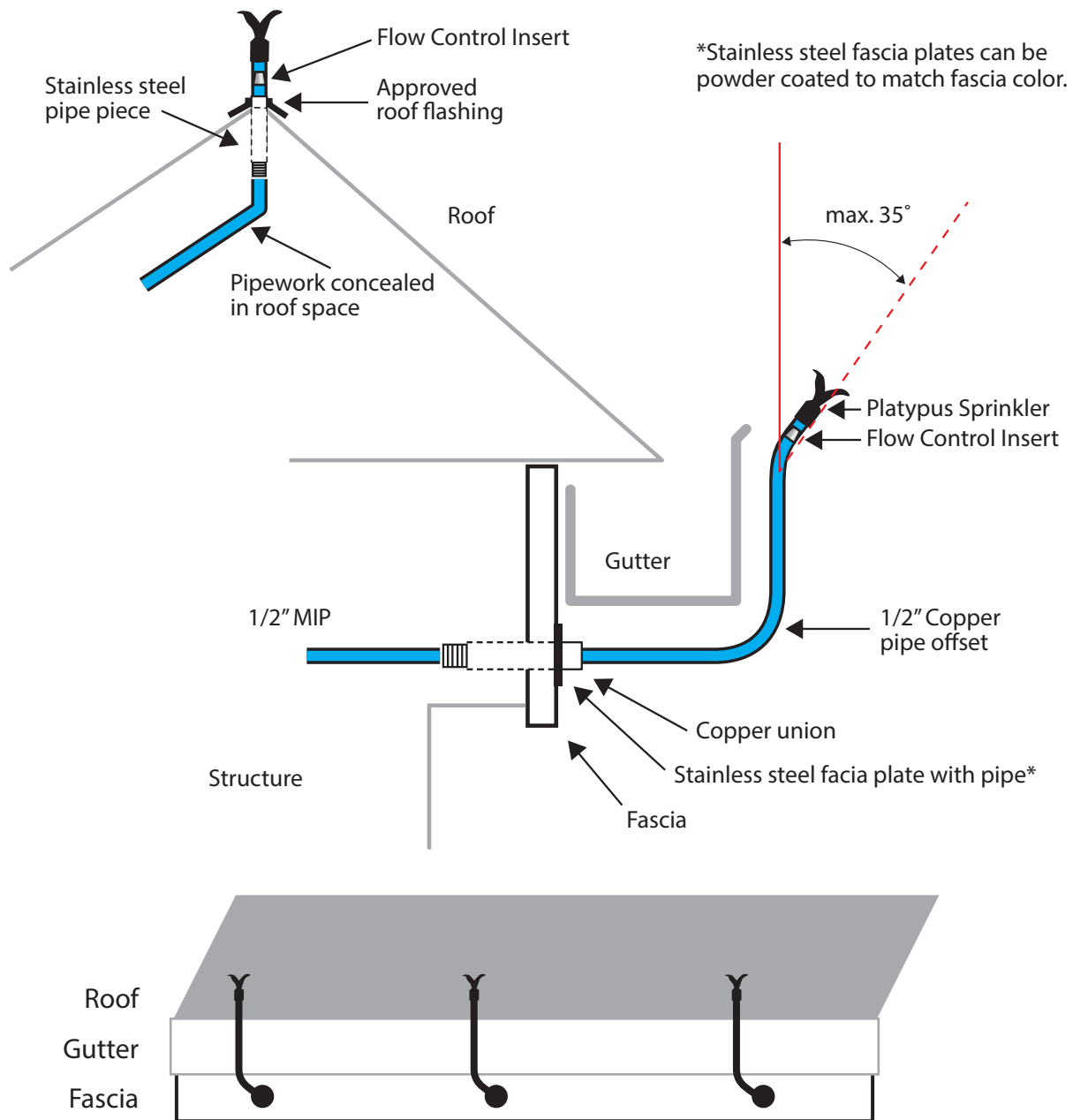


## Ridgeline and Hip Concealed Mount (PART 1)

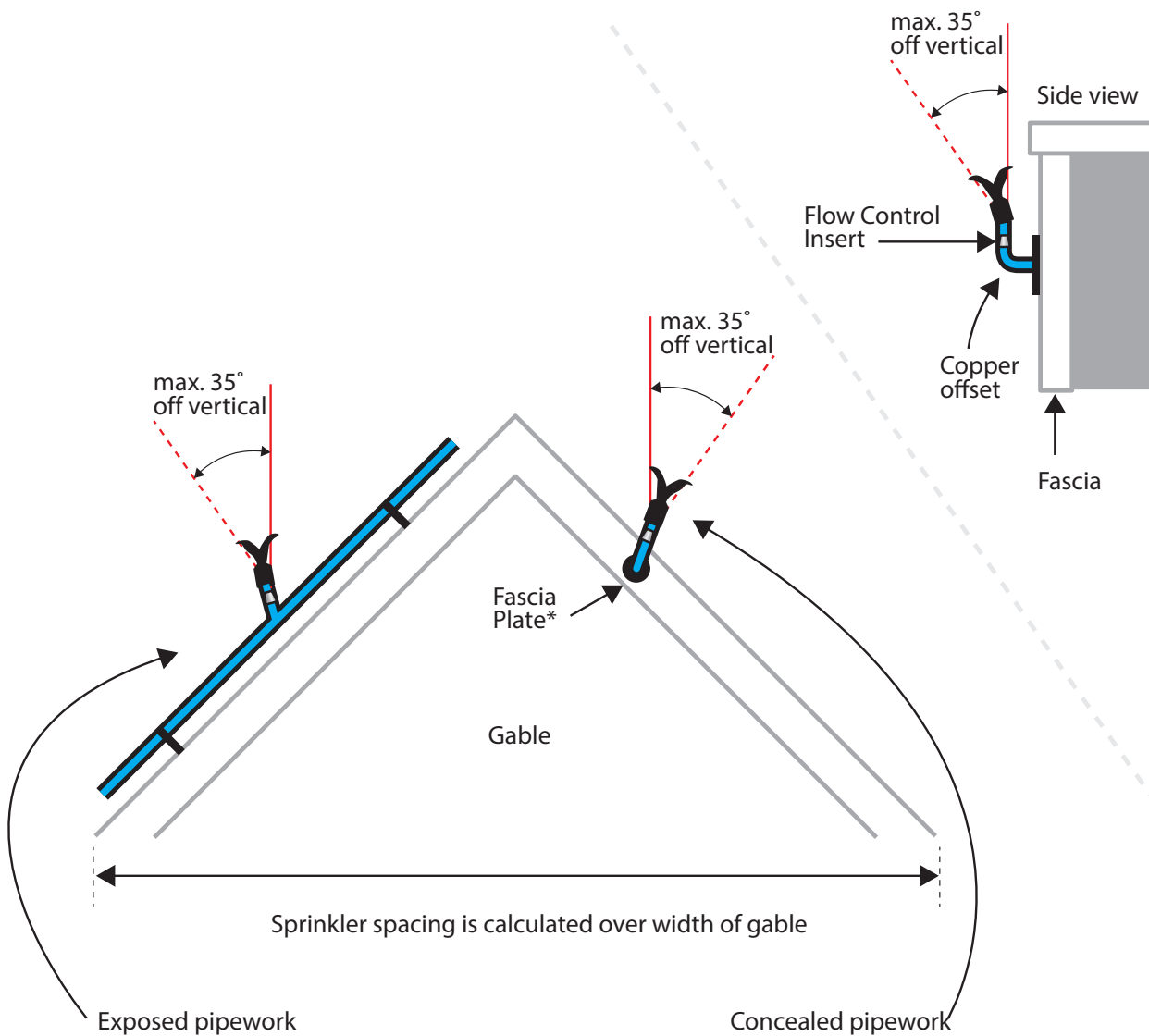




## Ridgeline and Hip Concealed Mount (PART 2)

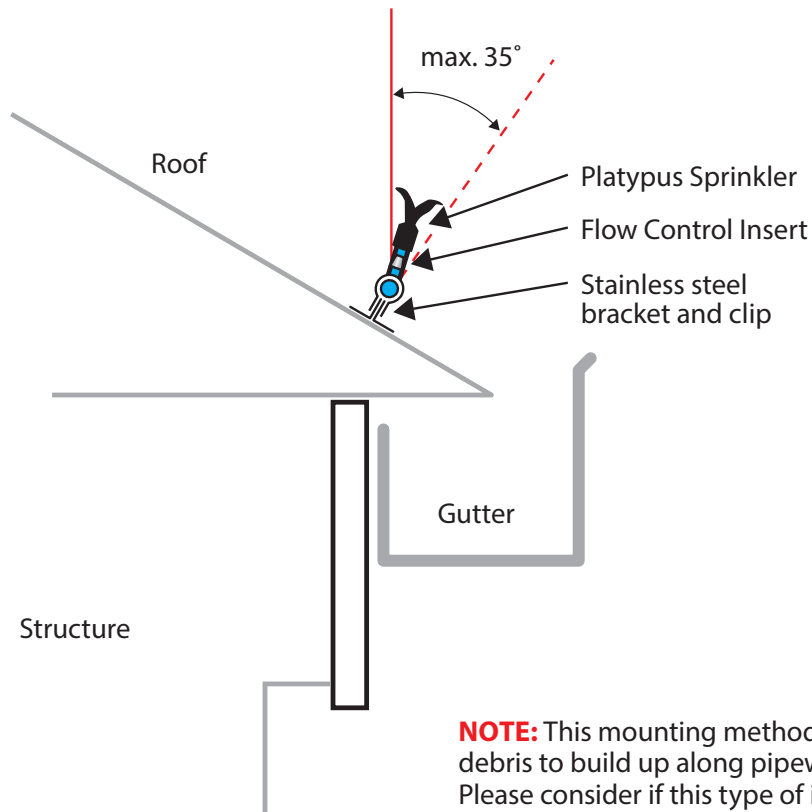


## Exposed and Concealed Gable End Diagrams



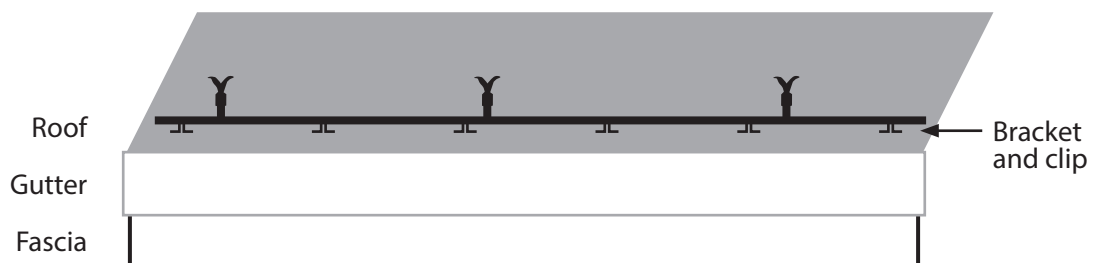
\*Stainless steel fascia plates can be powder coated to match fascia color.

## Roof Mounted Exposed Pipework

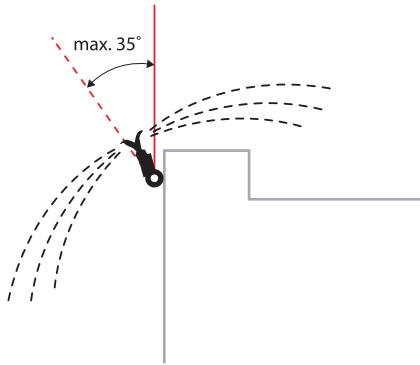


**NOTE:** This mounting method may cause debris to build up along pipework. Please consider if this type of installation is appropriate in your situation.

- \* Stainless steel bracket and pipe clip secured to metal roofing with tek screw and rubber seal.
- \* Stainless steel bracket and pipe clip secured to tile roofing using SikaFlex 11IFC and Sika Primer.

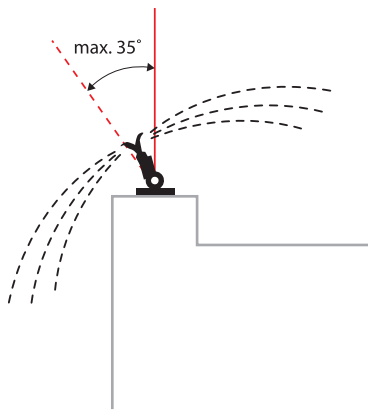


## Parapet Wall Mounting Options



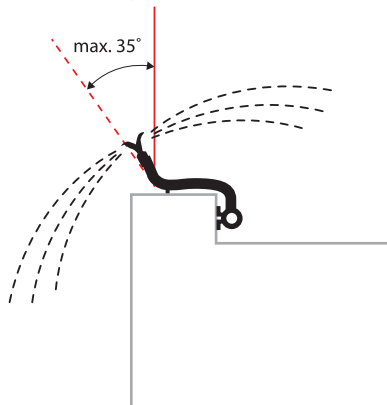
### OPTION 1

- Pipework mounted at top of external wall



### OPTION 2

- Pipework mounted on top of parapet



### OPTION 3

- Pipework mounted using stand off bracket and clip head on inside of parapet and 1/2" copper pipe up to sprinkler

**Note:** The top of the sprinkler head needs to be mounted so that water sprays out and down the wall as well as spraying onto the roof.

## Under Decking / Alfresco Mounting Diagrams

### INVERTED MOUNTING

Sprinkler heads are mounted vertically when used upside down (inverted) for a decking or alfresco area.

