

ARCHITECTURAL GRATES + DRAINS



65G100

Linear Drain

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Stormtech is the only linear drainage system available with full Greentag and Watermark certification across our complete product range.

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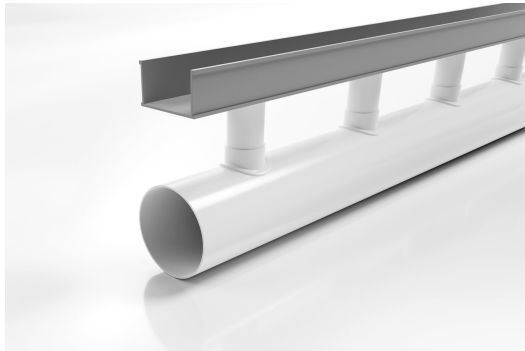


ARCHITECTURAL
GRATES + DRAINS



65G100

Linear Drain



Developed for high capacity drainage needs, providing flexibility in landscape and pool design.

100mm Drainpipe with 65G UPVC Channel.

A 65mm wide UPVC channel is connected via downpipes at 200mm intervals to sockets in a 100mm drain below.

This allows the channel to be installed level while the drainpipe is given sufficient fall to be self-cleaning.

The Special Assembly is then completed with a stainless steel grate from the AR, TR or PS series.

Please be aware that depending on the installation environment, for a pool installation or close to a surf beach, you may need to have your stainless steel grates electropolished.

This unique drainage system was recognised for its innovation by a DesignMark at the Australian International Design Awards.

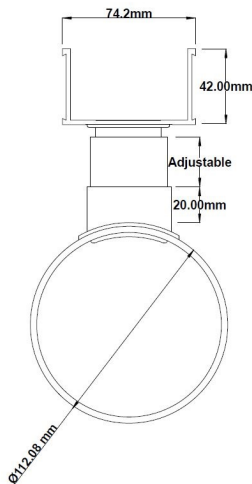
Please note stainless steel grates to complement this system are separate items

Code 65G100

Range Special Assembly

Category Modular Kits

Channel Material uPVC



Grates longer than 1500mm supplied in sections.
Tile Inserts longer than 1200mm supplied in sections.
Channels over 3000mm supplied in sections with joiner.
+/-2mm tolerance on dimensions.

SPECIFICATIONS + DIMENSIONS

Channel Width	74mm
Channel Depth	42mm
Length(s)	3000mm
Outlet Size	N/A

PRODUCT APPLICATIONS

- Balcony Drainage
- Commercial Drainage
- Courtyard / Patio Drainage
- Driveway Drainage
- Pool and Spa Area Drainage
- Paved Area Drainage
- Special Needs Drainage
- Suspended Slab Drainage

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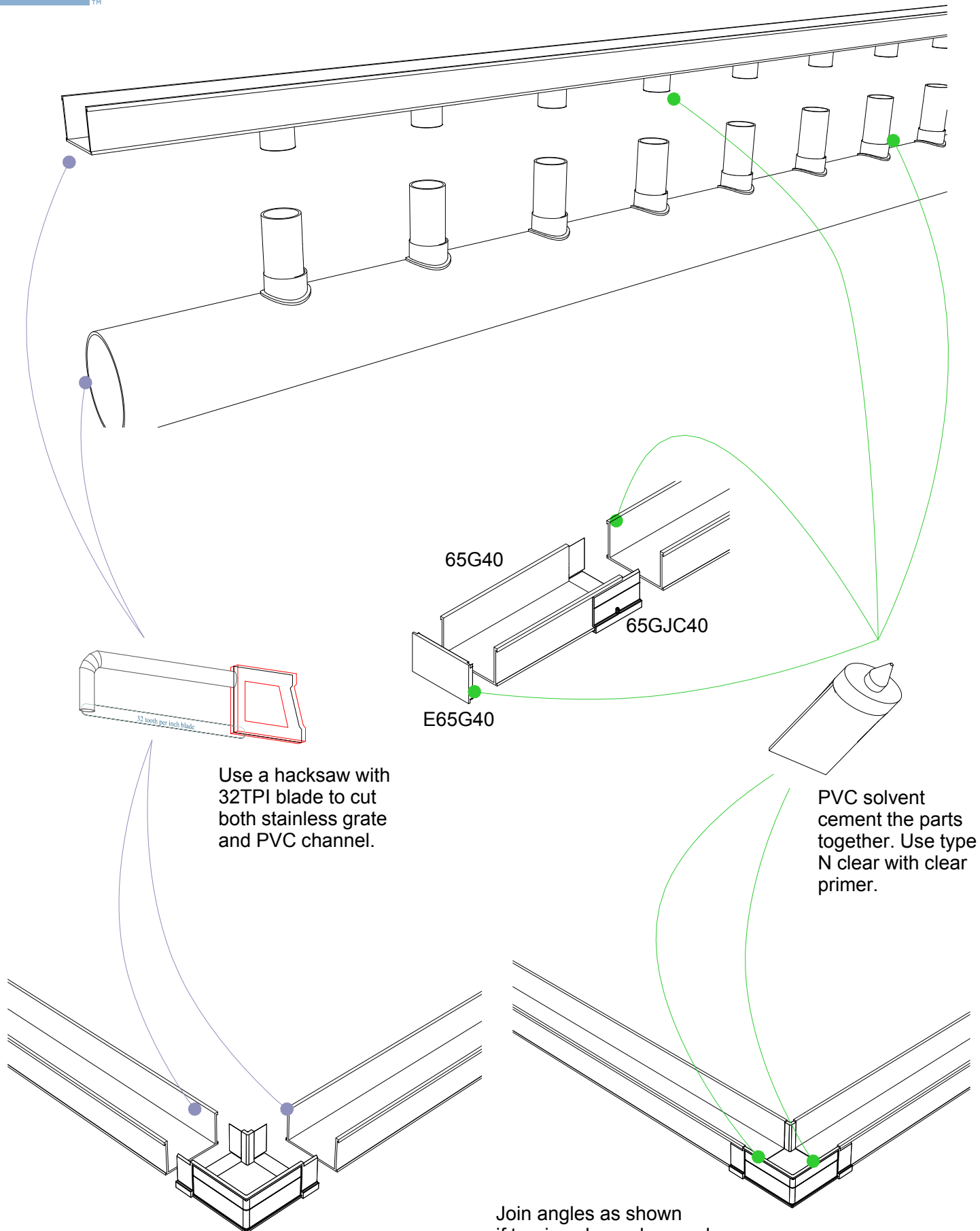


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65G100 / 65G90 Assembly



Use a hacksaw with 32TPI blade to cut both stainless grate and PVC channel.

PVC solvent cement the parts together. Use type N clear with clear primer.

Join angles as shown if turning channel around a 90 degree corner.



65GAM40



65G100 / 65G90 Corners other than 90 degrees



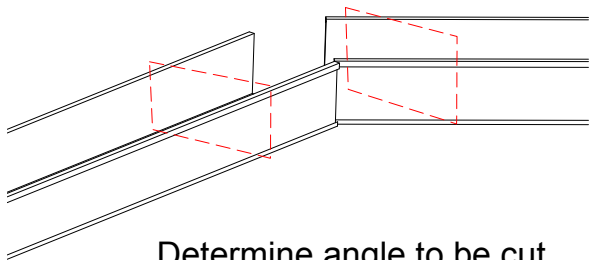
Pipe

The pipe joins with standard pipe fittings. There are no 'bell' ends, all ends are straight.

Channel

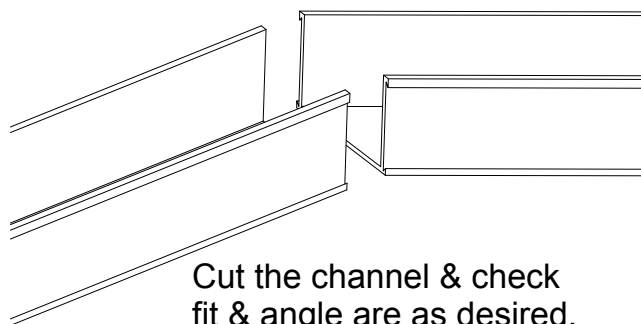
When assembling channel for corners other than 90 degrees, the following fittings and method is suggested.

1



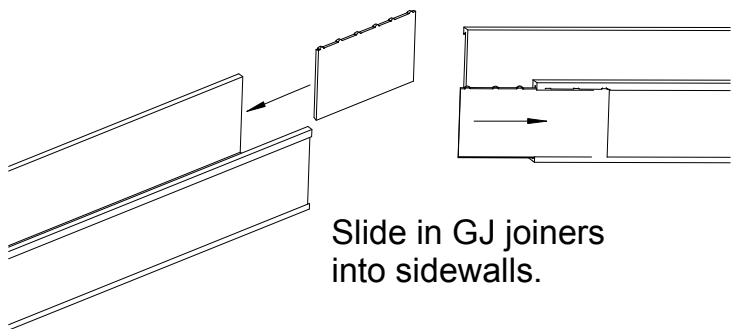
Determine angle to be cut

2



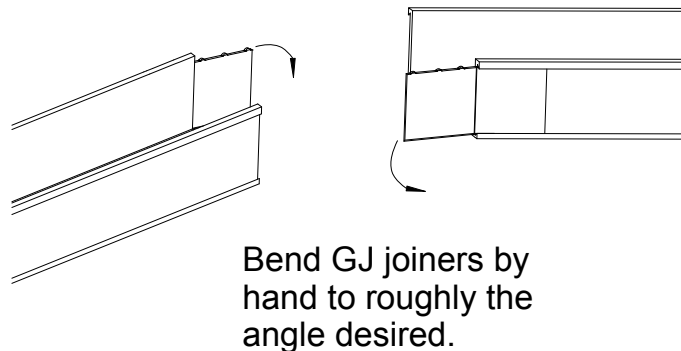
Cut the channel & check fit & angle are as desired.

3



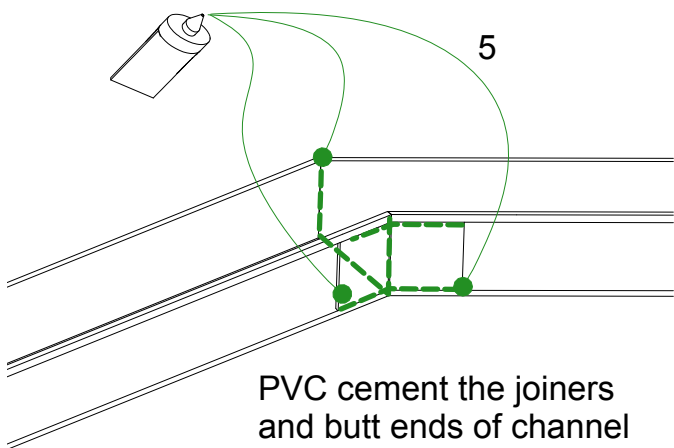
Slide in GJ joiners into sidewalls.

4



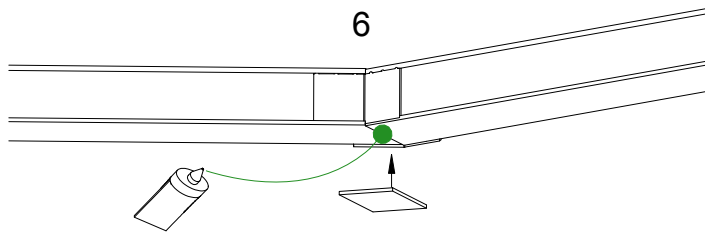
Bend GJ joiners by hand to roughly the angle desired.

5



PVC cement the joiners and butt ends of channel together.

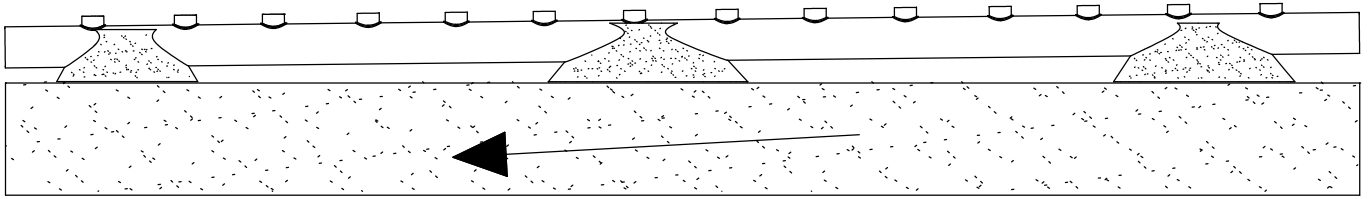
6



Fix an off-cut of channel to underside to brace joint. Seal with adhesive sealant if joint is uneven.



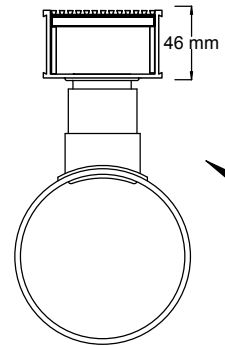
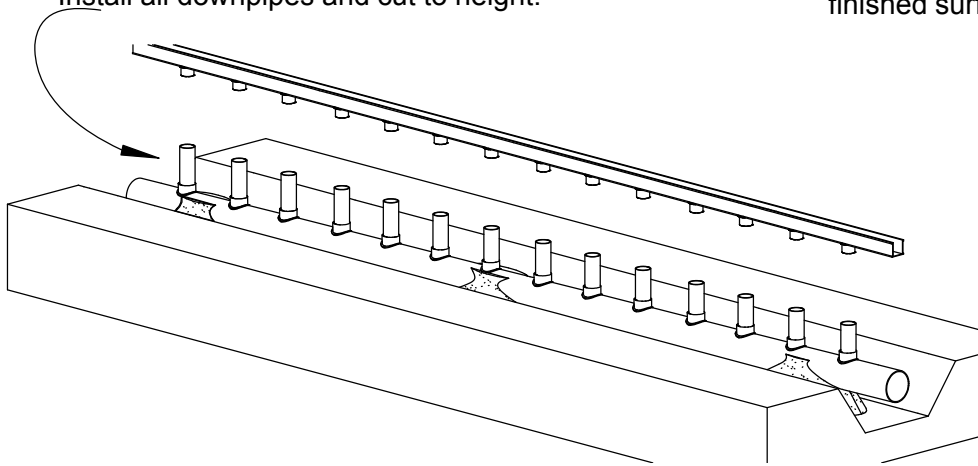
65G100 / 65G90 Slab on Ground



Lay 100mm pipe to desired fall. Bed pipe at regular intervals to set fall.

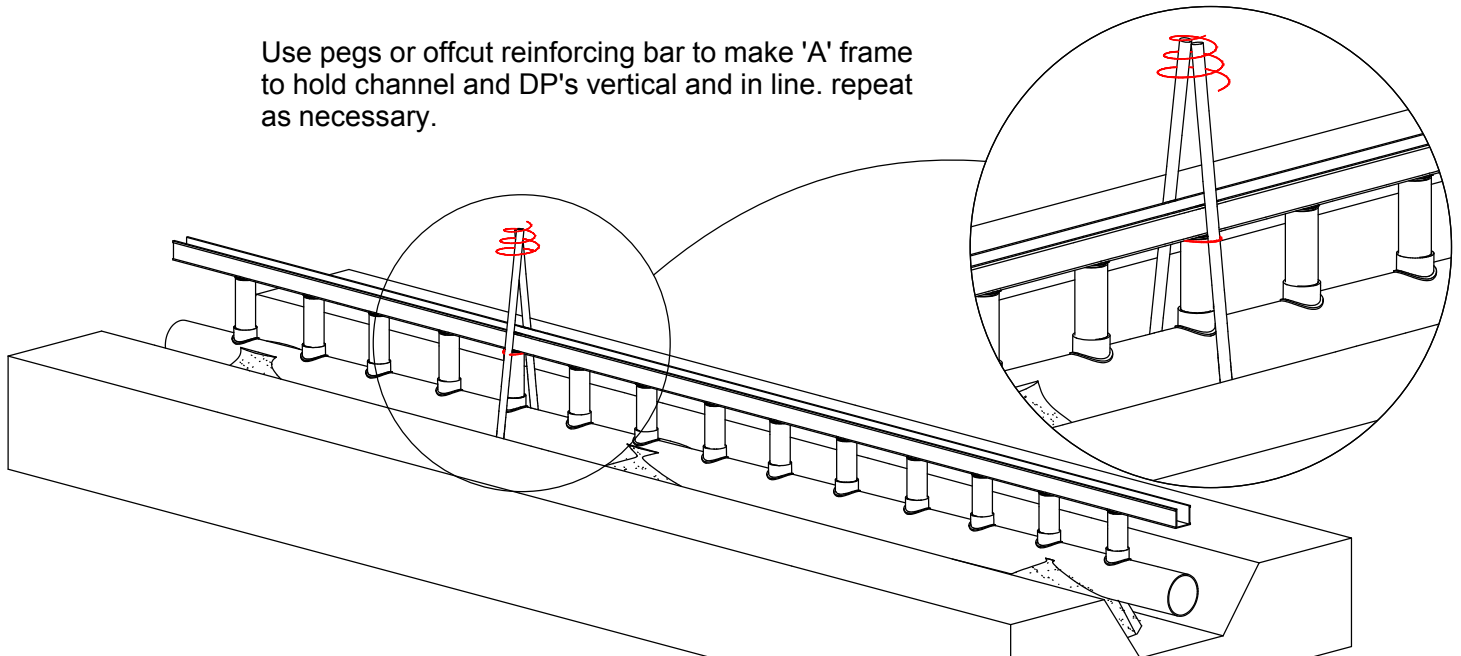
Install all downpipes and cut to height.

Allow 46mm from top of downpipe to finished surface level.



Ensure downpipes are vertical once fall is set. Adjust as necessary.

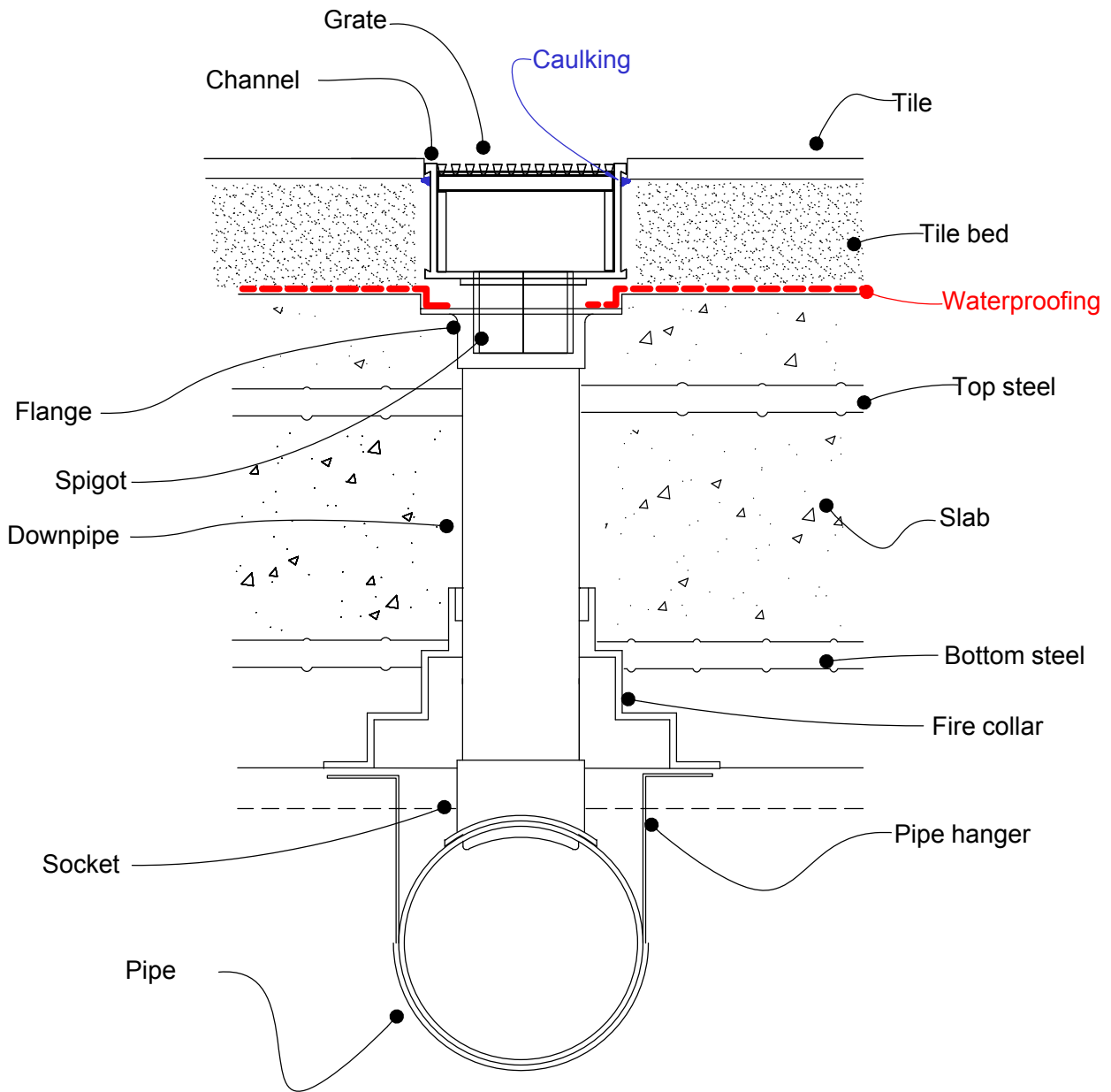
Use pegs or offcut reinforcing bar to make 'A' frame to hold channel and DP's vertical and in line. repeat as necessary.



NOTE, When pouring concrete or laying pavers against the channel, ensure the grates are in the channel and protected. If grates are not available use timber form to brace channel. This will ensure the channel remains straight and will also ensure the channel is not squashed and made narrower.



65G100 / 65G90 Suspended Slab



When installing the Special Assembly ensure the pipe is secured, typically to reinforcing or formwork. It is suggested to have the grate and channel in place at time of pour to ensure the Spigots line up with the Downpipes.

Typically it is suggested to brace the channel against a timber to ensure it is not moved during concrete pour.

If the grates are in the channel at time of pour, as suggested, then they should be covered to protect them from concrete or other debris entering the channel. Generally joining or duct tape over the grate and channel are sufficient.

Having the grates in the channel ensures the channel is not squashed. If grates are not available use a 65mm wide timber as a temporary insert to reinforce the channel and hold it straight.

Once the pour is complete the channel should be removed for safe keeping, and returned to position once ready for the floor finishing. Stormtech suggests marking or numbering the channels for easy return to position.



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