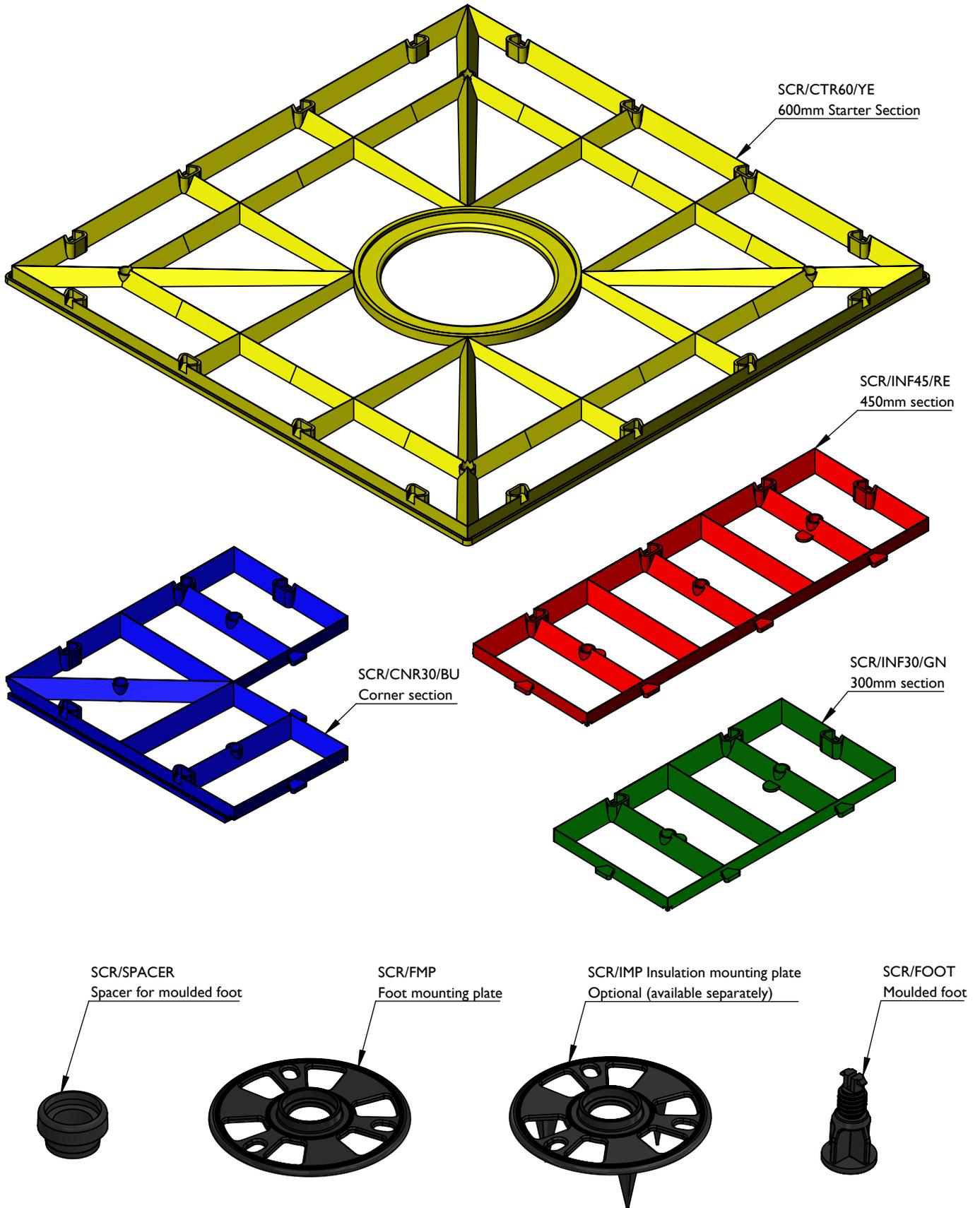


## Aqua-Grade and Level-Grade Technical Data Sheet

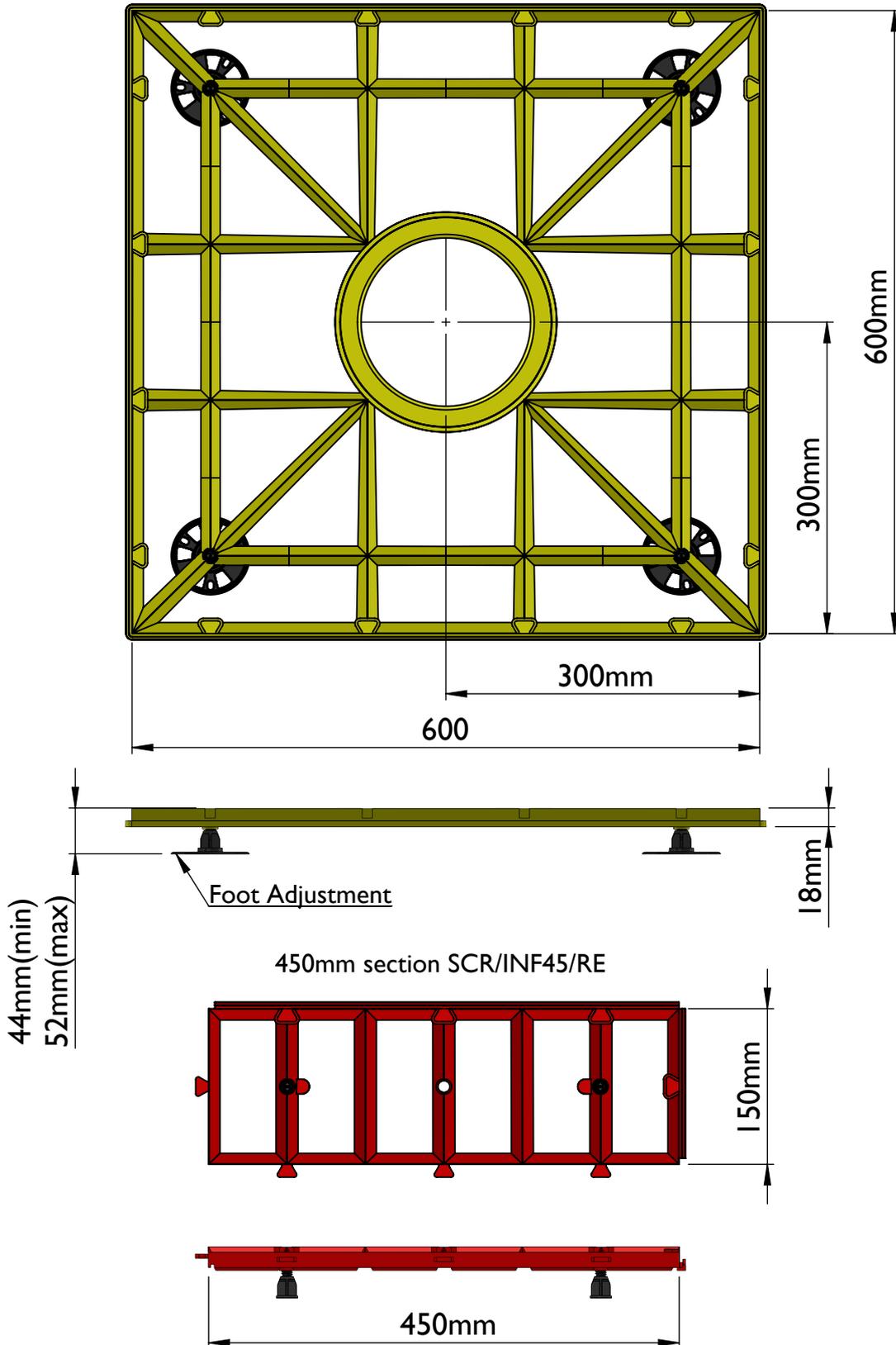
Application	Aqua-Grade and Level-Grade provide a quick and easy alternative way of creating the perfect gradient for new pour solid floors. Colour coded modular sections quickly click together to form a matrix that you simply fill with screed.
Waste Outlet Position	There are a number of options available. The waste outlet position depends on the configuration selected; minimum distance from a wall is 300mm (to centre). See diagrams for more information.
Waste Trap Options for vinyl floors	<p><b>Aqua-Grade</b>            UTVC01/H Horizontal outlet (43mm solvent socket outlet) 50mm water seal            UTVC01/V Vertical outlet (43mm solvent socket outlet) 50mm water seal            DSS3/H Horizontal 43-50mm outlet (75mm water seal)</p> <p><b>Level-Grade</b>            UTVG01/H Horizontal outlet (43mm solvent socket outlet) 50mm water seal            UTVG01/V Vertical outlet (43mm solvent socket outlet) 50mm water seal            UTVC01/H Horizontal outlet (43mm solvent socket outlet) 50mm water seal (chrome)            UTVC01/V Vertical outlet (43mm solvent socket outlet) 50mm water seal            TAD13 Pumped waste (22mm outlet)            SLW1 Slimline waterless waste (43mm outlet solvent/compression outlet)            TSG1 Horizontal outlet (50mm solvent socket) 75mm waterseal            TSG2 Vertical outlet (50mm/110mm solvent socket) 75mm waterseal</p>
Waste Trap Options for tiled floors	<p><b>Aqua-Grade</b>            UTT01/H Horizontal outlet (43mm solvent socket outlet) 50mm water seal            UTT01/V Vertical outlet (43mm solvent socket outlet) 50mm water seal            DSS2 pumped waste (22mm outlet)            DSS7 Slimline waste (43mm outlet solvent/compression outlet) waterless trap</p> <p><b>Level-Grade</b>            HCD/H Horizontal outlet (43mm solvent socket outlet) 50mm water seal            HCD/V Vertical outlet (43mm solvent socket outlet) 50mm water seal            HCD/P pumped waste (22mm outlet)            HCD/ST Slimline waterless waste (43mm outlet solvent/compression outlet)</p>
Product Codes/ Sizes Available	<p><b>One Wall - Three Falls</b>            Size: 1500mm x 1050mm, Code: AG150105/3F            Size: 1200mm x 900mm, Code: AG12090/3F            Size: 1800mm x 1200mm, Code: AG180120/3F</p> <p><b>Two Walls - Two Falls</b>            Size: 1050mm x 1050mm, Code: AG105105/2F            Size: 1200mm x 1200mm, Code: AG120120/2F            Size: 1350mm x 1350mm, Code: AG135135/2F            Size: 1500mm x 1500mm, Code: AG150150/2F</p> <p><b>No Wall - Four Falls</b>            Size: 900mm x 900mm, Code: AG9090/4F            Size: 1200mm x 1200mm, Code: AG120120/4F            Size: 1500mm x 1500mm, Code: AG150150/4F</p>
Material	ABS Plastic
Height Range	18mm adjustment (8mm thread + 10mm spacer). See diagrams.
Features	Adjustable feet and spacers which can be raised or lowered depending on the preferred height and to ensure level. The feet have an adjustable height of 10mm, by tweaking individual feet the installer can achieve an accurate gradient on an uneven floor.
Installation	Can be built up on level/uneven ground and sub-floor before screeding, but drain and down pipe hole needs to be excavated. Always follow installation guide supplied.
Flow rates measured using UTT01/H or UTVG01/H floor drains	Average flow rate for all Aqua/Level-Grades is 36/3 l/min.

## Aqua/Level Grade Technical Data Sheet Components List



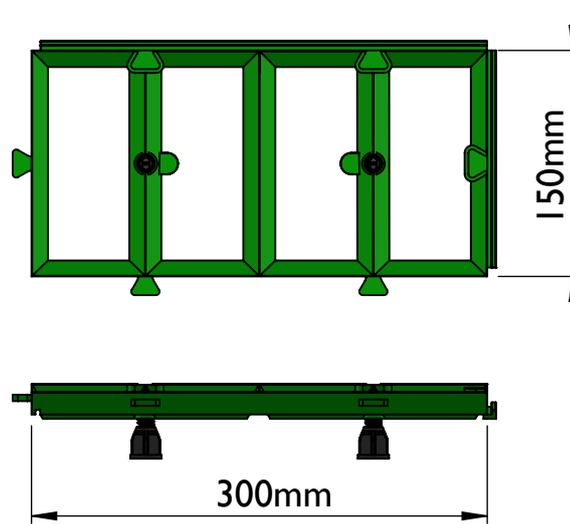
## Aqua/Level Grade Technical Data Sheet Components List

600mm Starter Section SCR/CTR60/YE

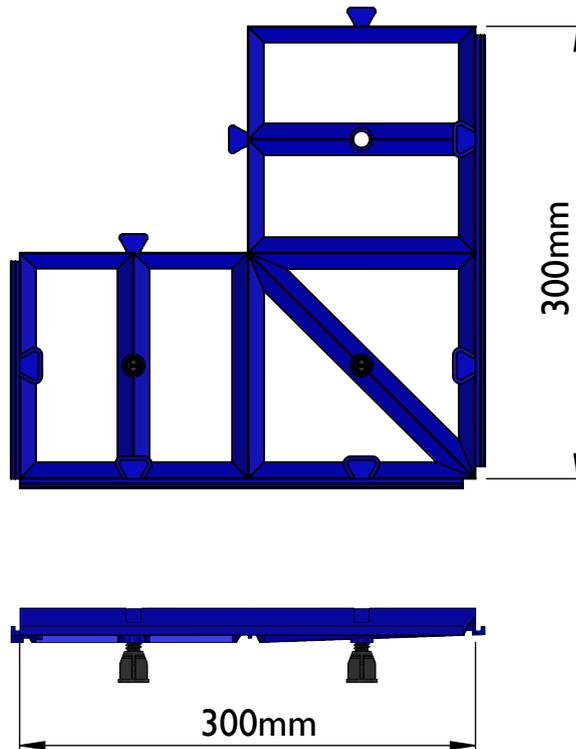


## Aqua/Level Grade Technical Data Sheet Components List

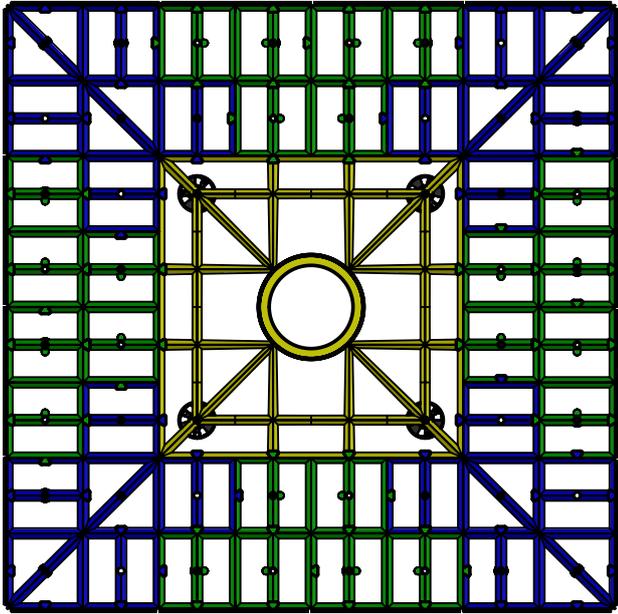
300mm section SCR/INF30/GN



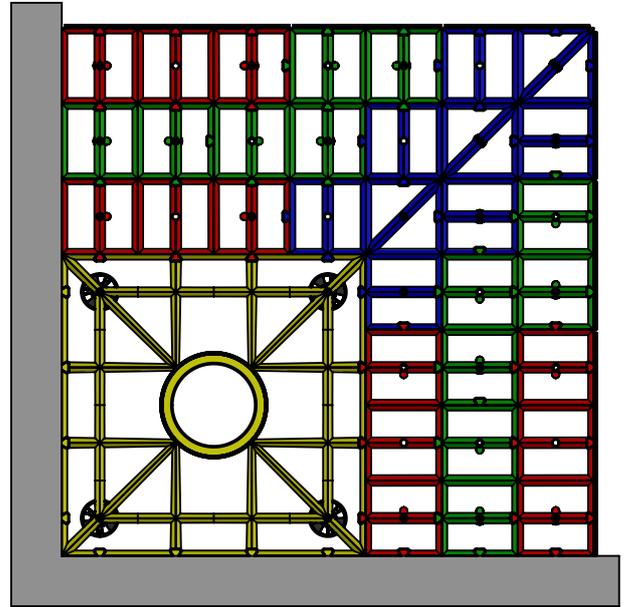
Corner section SCR/CNR30/BU



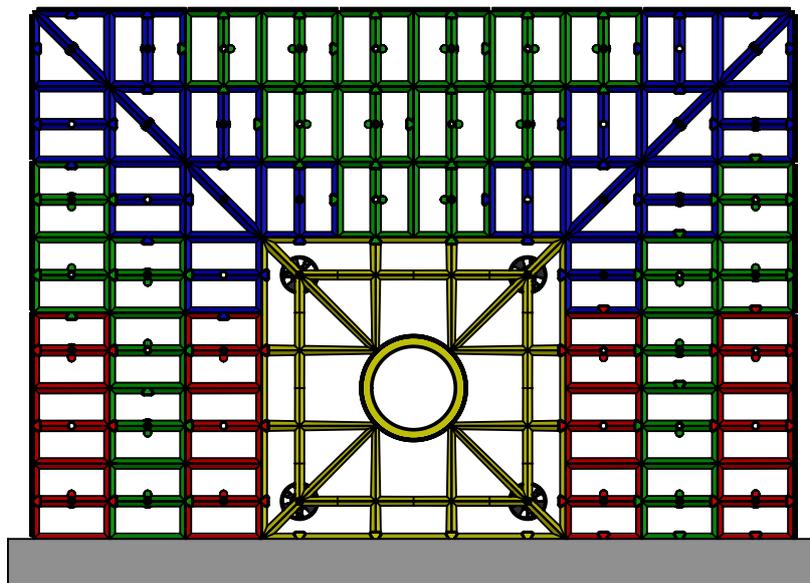
## Aqua/Level-Grade Configuration



0 Walls required, 4 falls of gradient



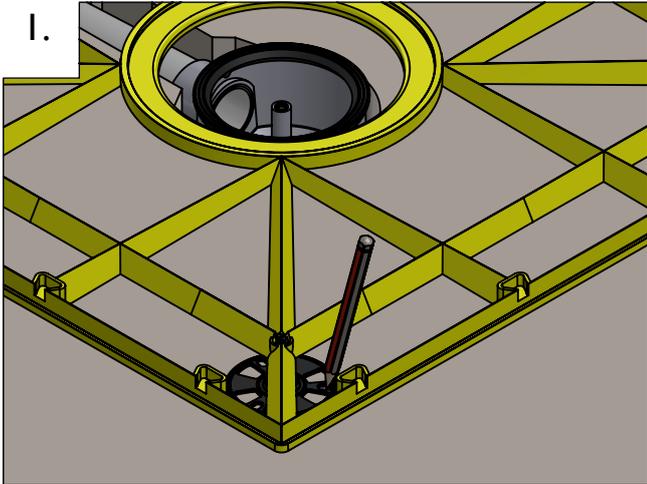
2 Walls required, 2 falls of gradient



1 Wall required, 3 falls of gradient

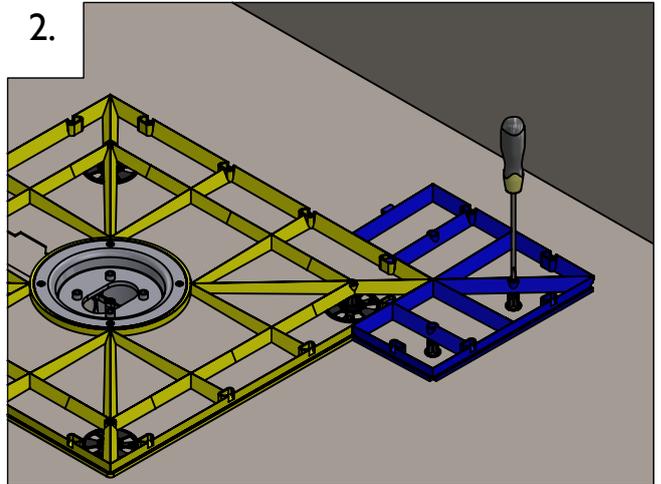
## General installation guidance

1.



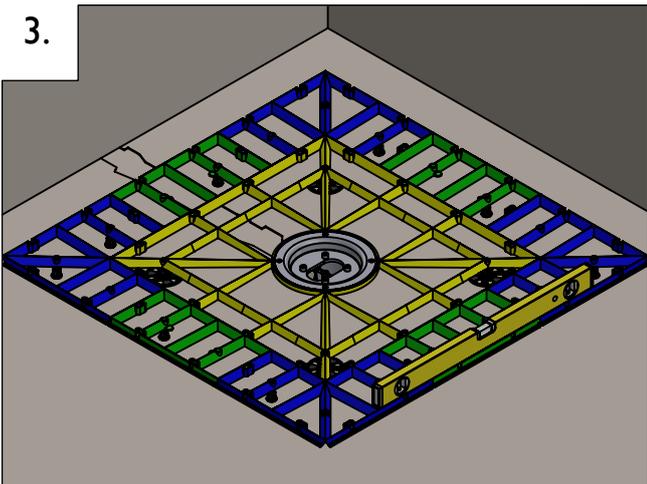
Place the 600mm starter section in the previously planned position. Mark around the foot mounting plate and the fixing holes.

2.



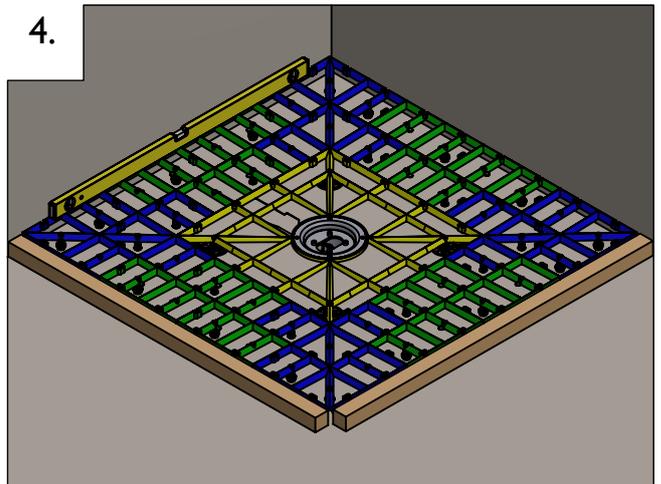
When the first section has been adjusted, continue adding the remaining components for the configuration you are installing.

3.



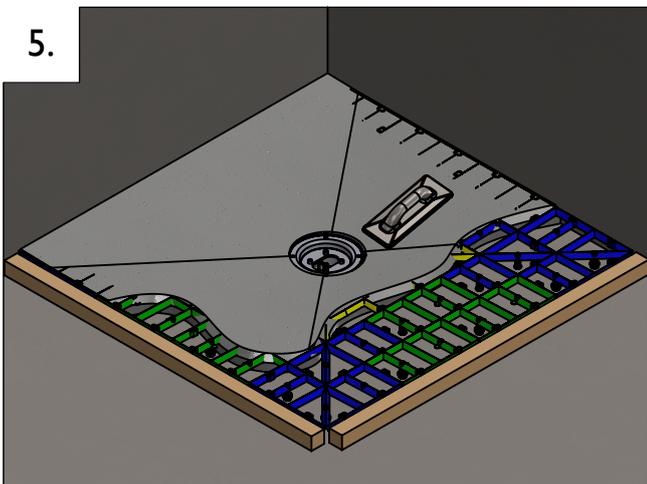
Working in a clockwise direction continue to add parts. After completion of each row the outer edges must be level.

4.



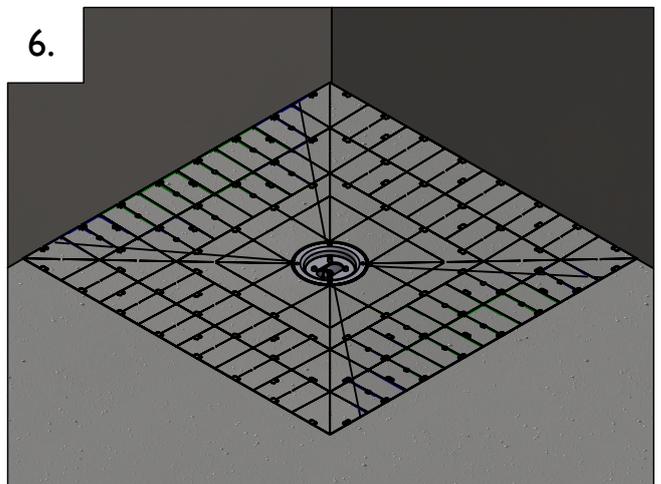
When the assembly is complete we recommend that the outer perimeter is shuttered to prevent screed escaping whilst backfilling is carried out.

5.



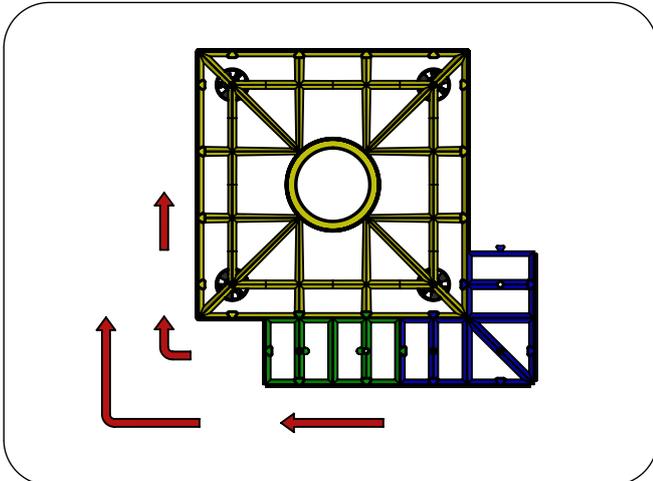
Begin filling the Aqua-Grade with a semi dry screed mix and smooth off with a wooden or plastic float.

6.

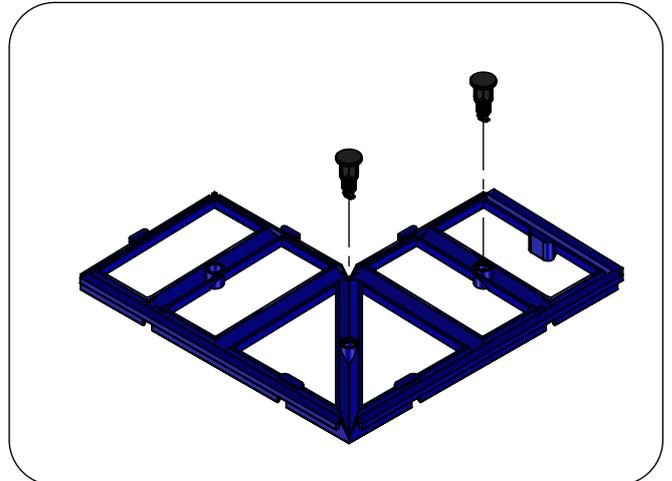


When fully filled it may be necessary to allow the screed to dry out slightly before final finish trowelling. When complete the shuttering can be removed and the remaining floor finished.

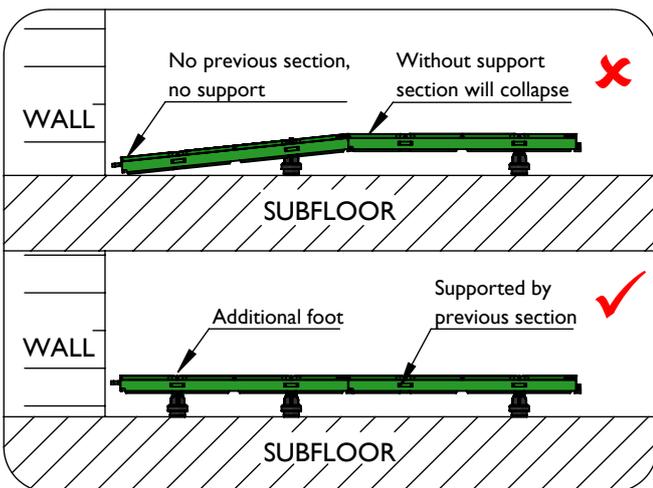
## Basic installation and assembly rules



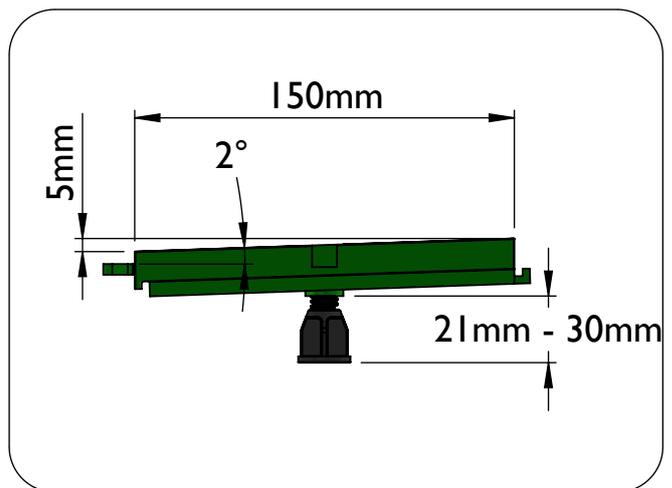
Always work in a clockwise or right to left direction when assembling.



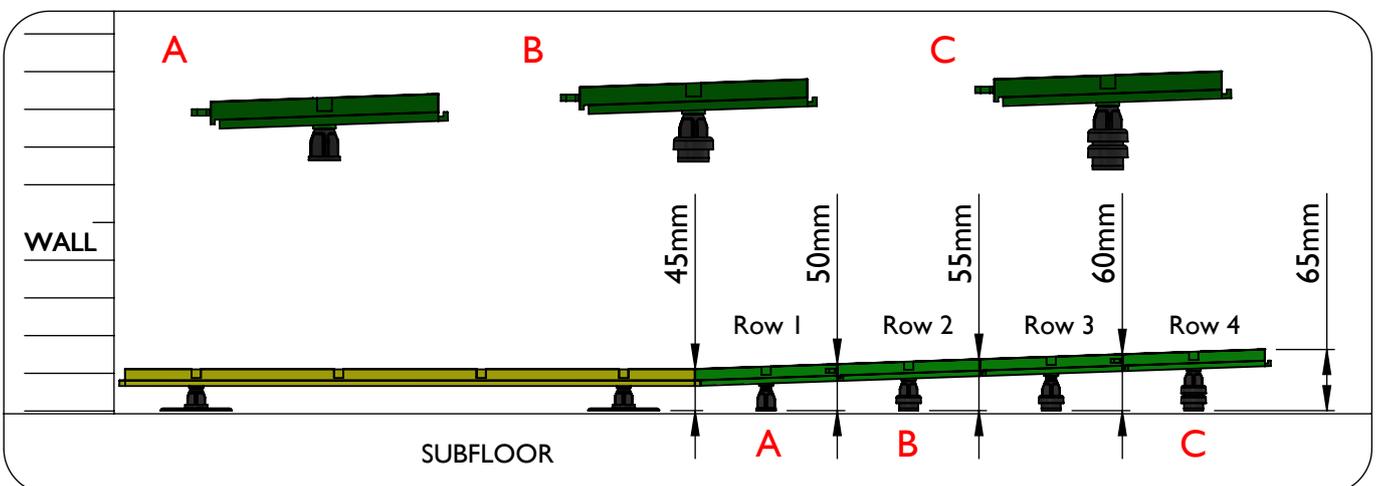
The blue corner section must always have 2 feet fitted.



When using configurations that start from a wall it is important that 2 feet are fitted to the first section to support the section properly.



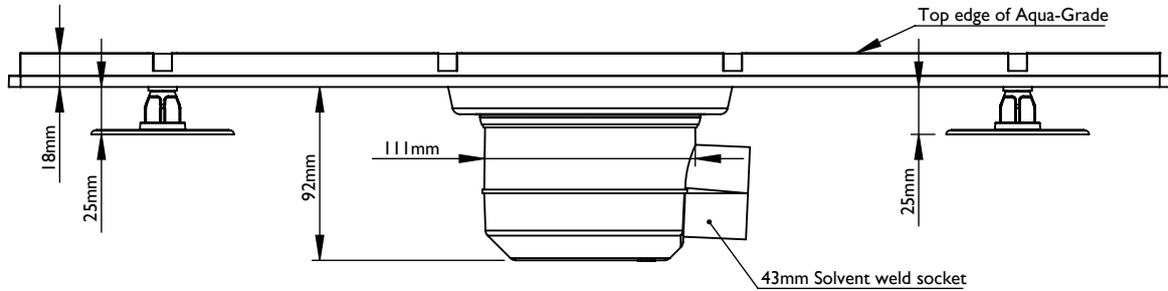
All parts have gradient slope built in, **you do not need to adjust the feet to add gradient only to adjust height.** Using these dimension it is possible to calculate the overall approximate finished depth required to install.



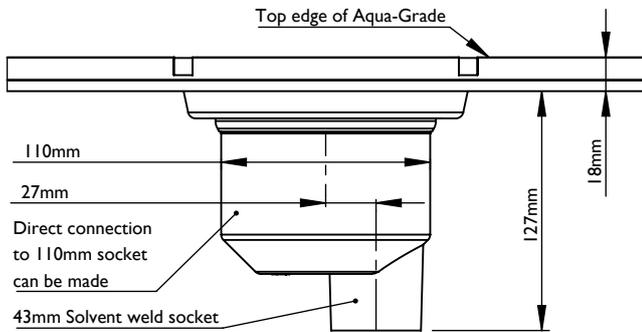
As more rows are added the adjustable feet will need to have spacers added to ensure correct gradient and levels are maintained. The general rule is to add 1 spacer to each foot for every 2 rows that are added. (see above). Extra spacers are supplied to help with subfloors that are very uneven or not level.

## Aqua-Grade Floor Drain Details

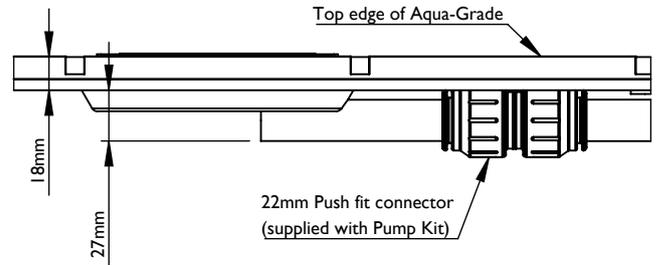
UTT01/H Tiled Floor Drain  
50mm water seal (supplied as standard)



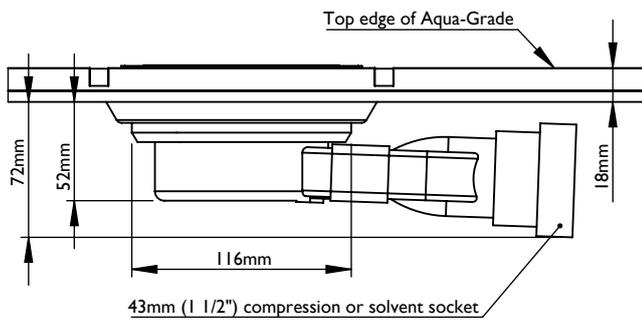
UTT01/V 50mm water seal (tiled floor)



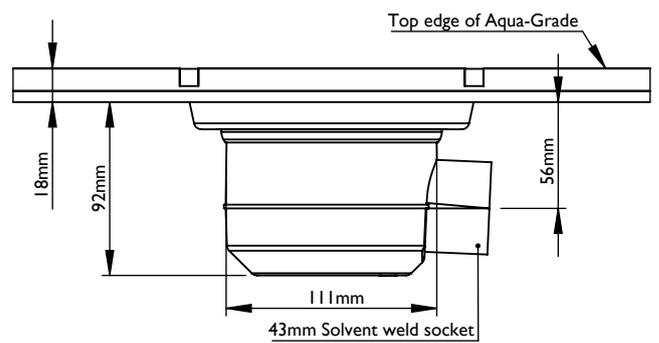
DSS2 Pumped waste floor drain (tiled floor)



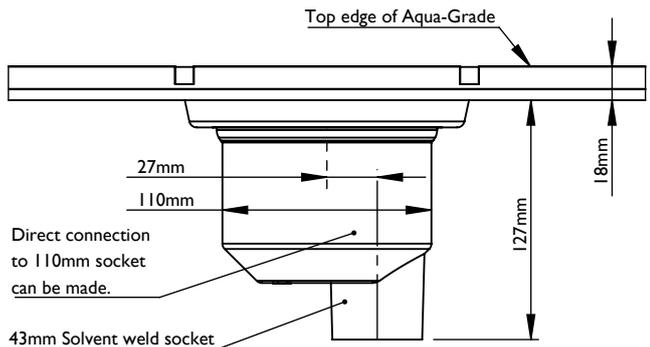
DSS7 Un-trapped waterless floor drain (tiled floor)



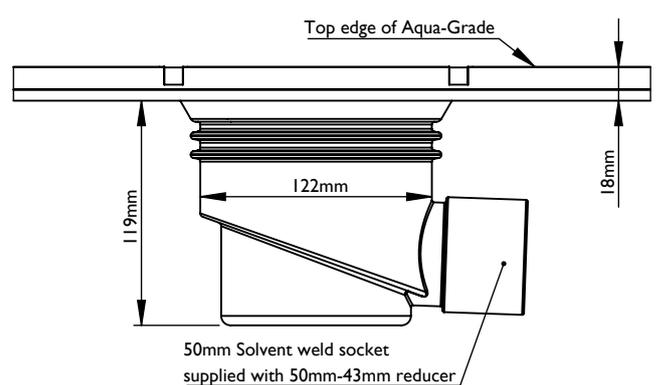
UTVC01/H Vinyl Floor Drain 50mm water seal



UTVC01/V Vinyl Floor Drain 50mm water seal

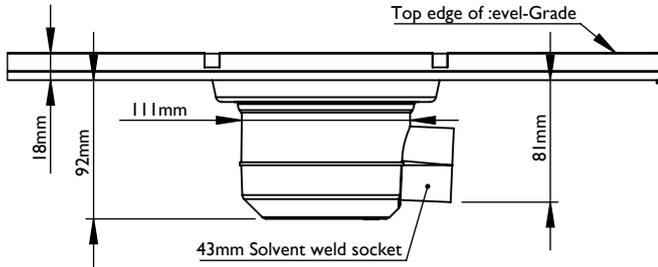


DSS3/H Floor Drain 75mm water seal (vinyl floor)

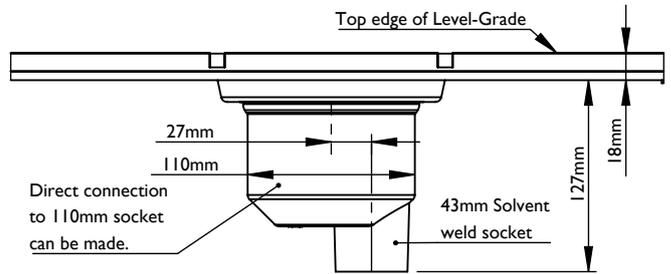


## Level-Grade Floor Drain Details

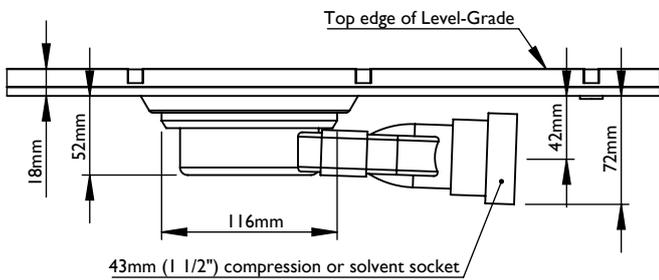
UTVG01/H Vinyl Floor Drain (supplied standard)  
 UTVC01/H Vinyl Floor Drain (Chrome option)  
 50mm water seal



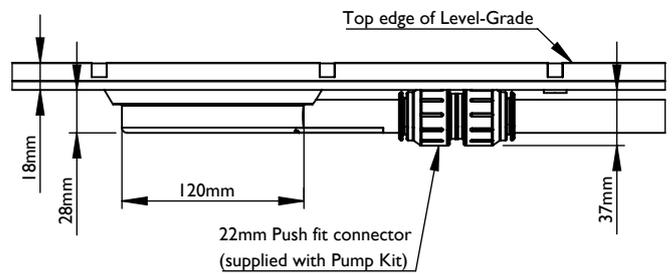
UTVG01/V Vinyl Floor Drain  
 UTVC01/V Vinyl Floor Drain (Chrome option)  
 50mm water seal



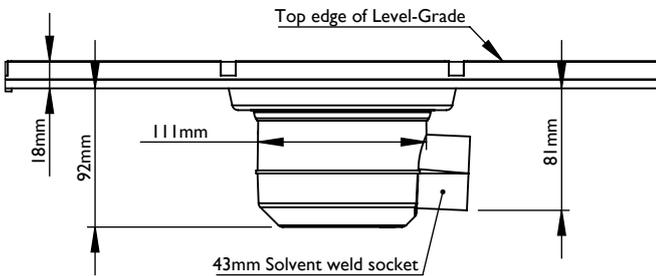
SLWI Vinyl Floor Drain Un-trapped waterless



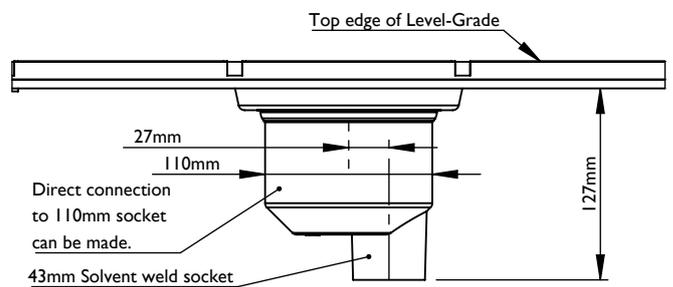
TAD13 Vinyl Floor Drain Pumped waste floor drain



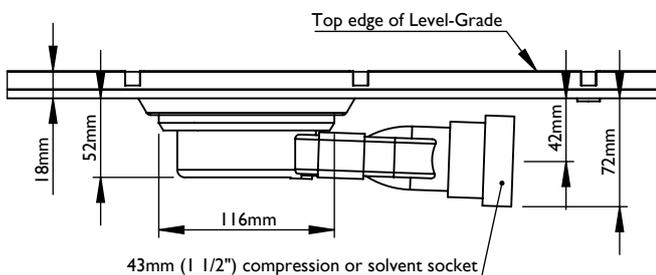
HCD/H Tiled Floor Drain 50mm water seal



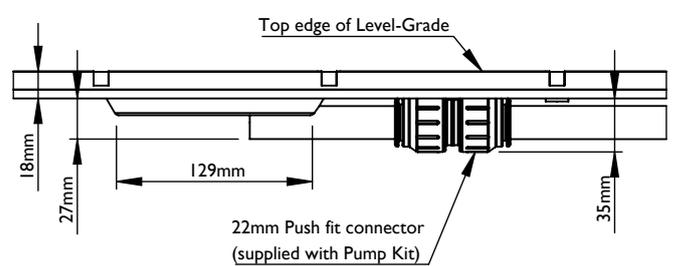
HCD/V Tiled Floor Drain 50mm water seal



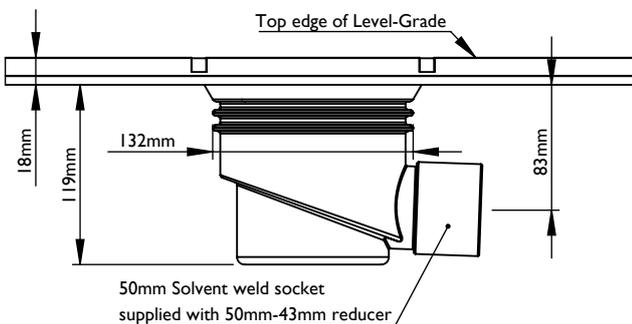
HCD/ST Tiled Floor Drain Un-trapped waterless



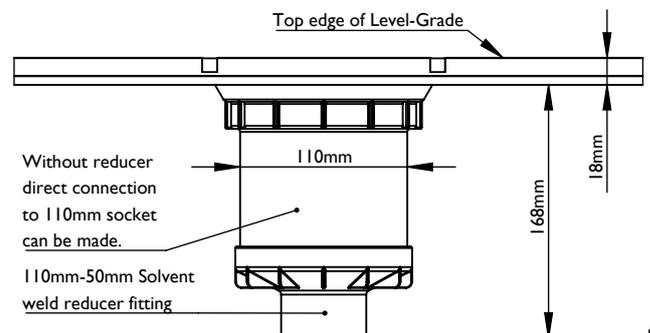
HDC/P Tiled Floor Drain Pumped waste floor drain



TSG1 Vinyl Floor Drain 75mm water seal

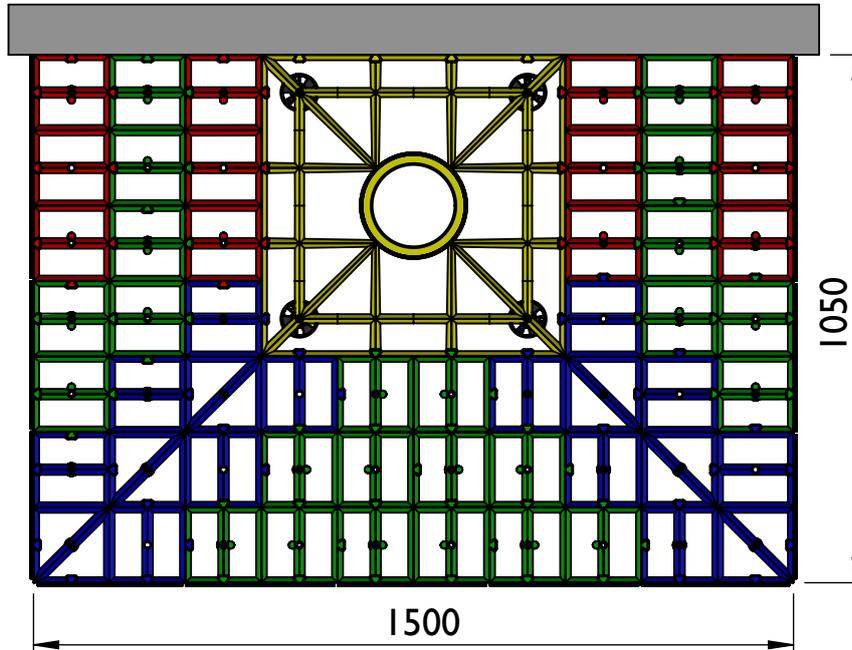


TSG2 Vinyl Floor Drain 75mm water seal

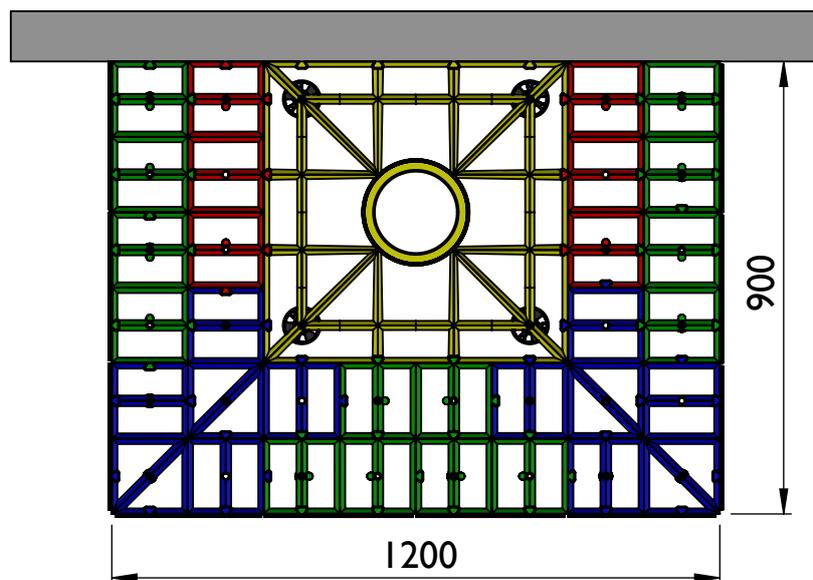


## Aqua/Level-Grade Technical Data Sheet Sizes

### One Wall - Three Falls

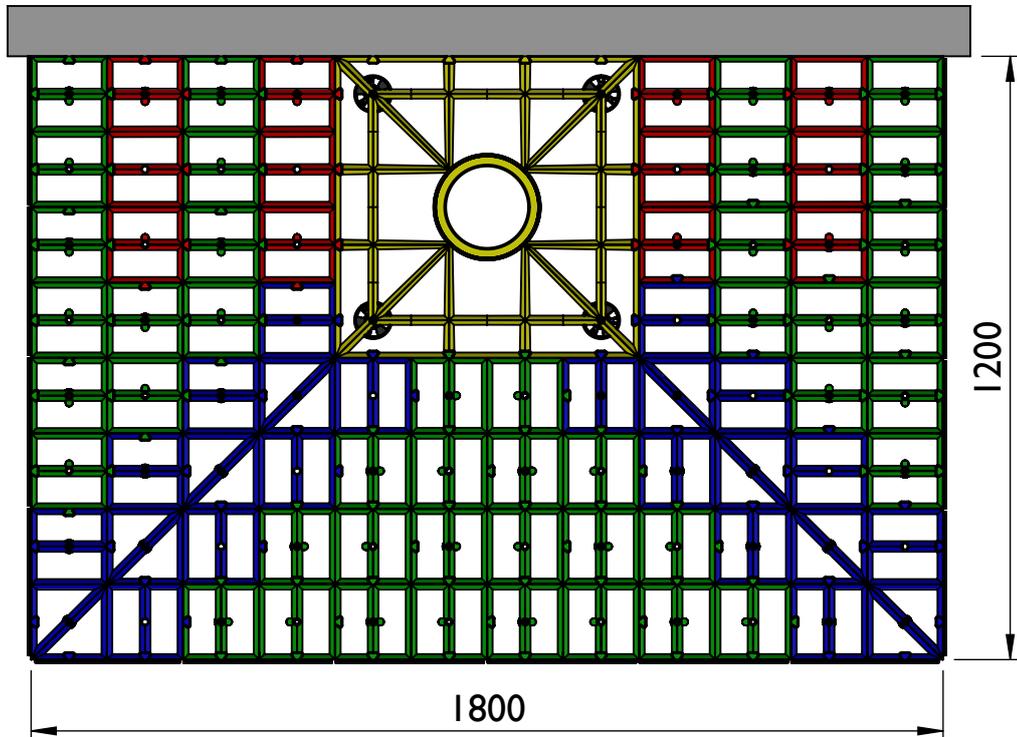


Size	1500mmx1050mm	Code	AG150105/3F	Height Range	60mm-78mm
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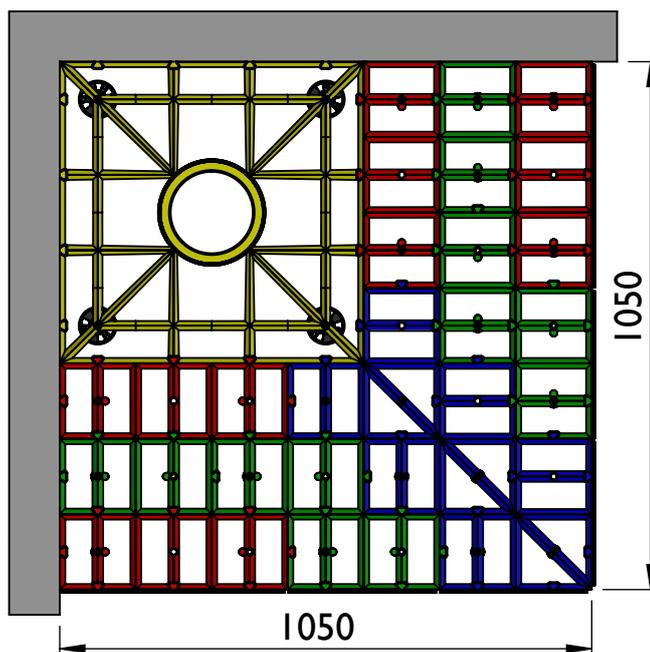
Size	1200mmx900mm	Code	AG12090/3F	Height Range	55mm-73mm
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## Aqua/Level-Grade Technical Data Sheet Sizes



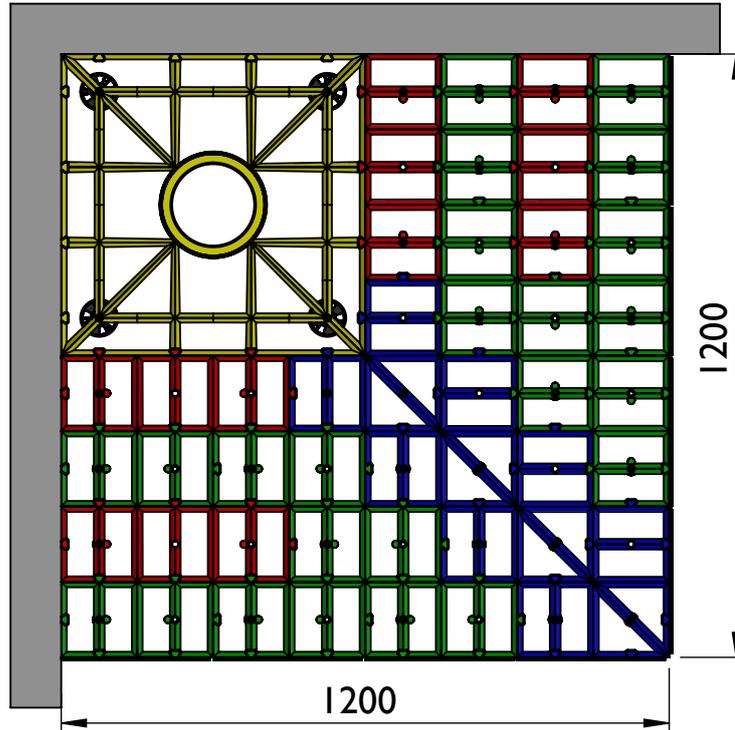
Size	1800mmx1200mm	Code	AG180120/3F	Height Range	65mm-83mm
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### Two Walls - Two Falls

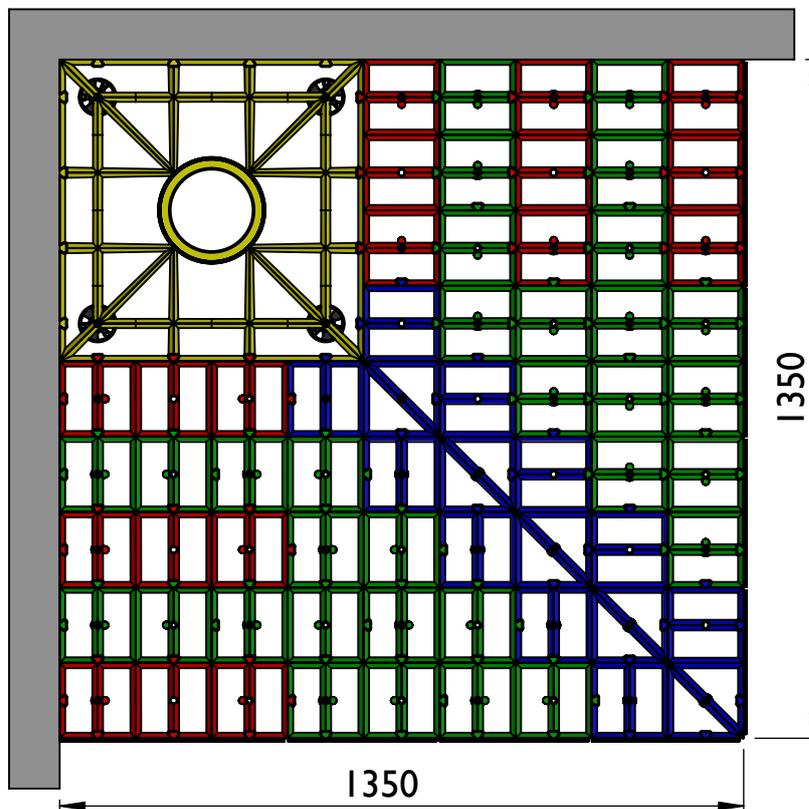


Size	1050mmx1050mm	Code	AG105105/2F	Height Range	60mm-78mm
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## Aqua/Level-Grade Technical Data Sheet Sizes

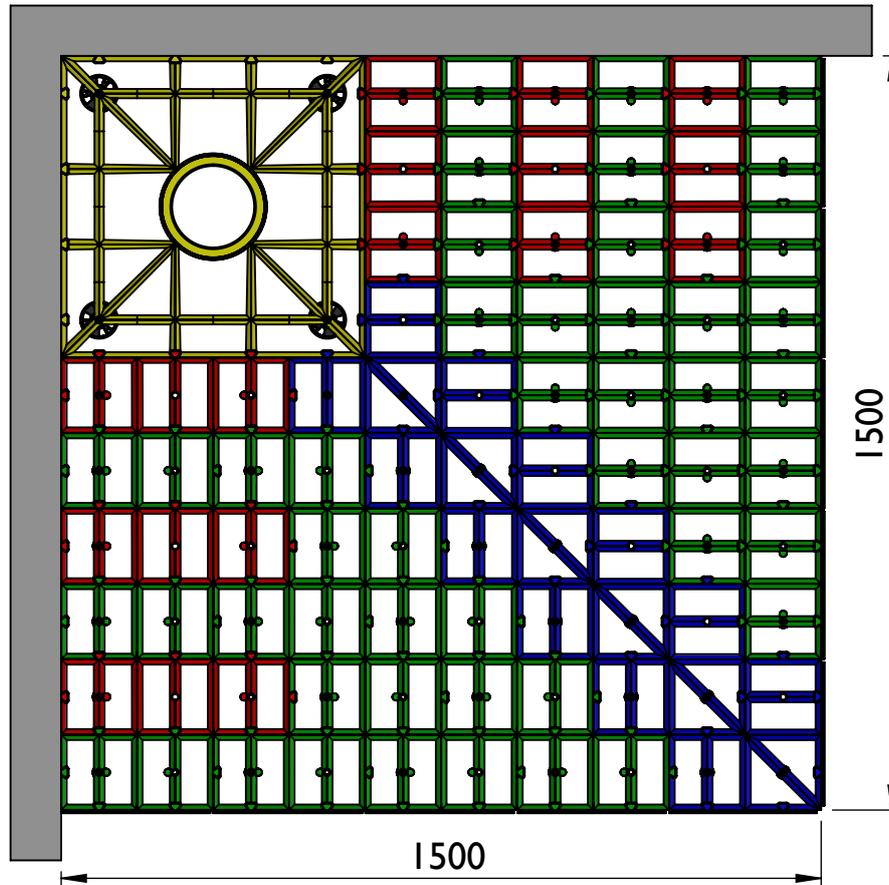


Size	1200mmx1200mm	Code	AG120120/2F	Height Range	65mm-83mm
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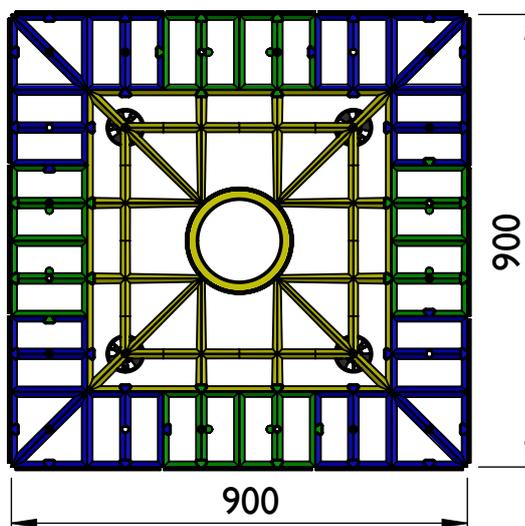
Size	1350mmx1350mm	Code	AG135135/2F	Height Range	70mm-88mm
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## Aqua/Level-Grade Technical Data Sheet Sizes



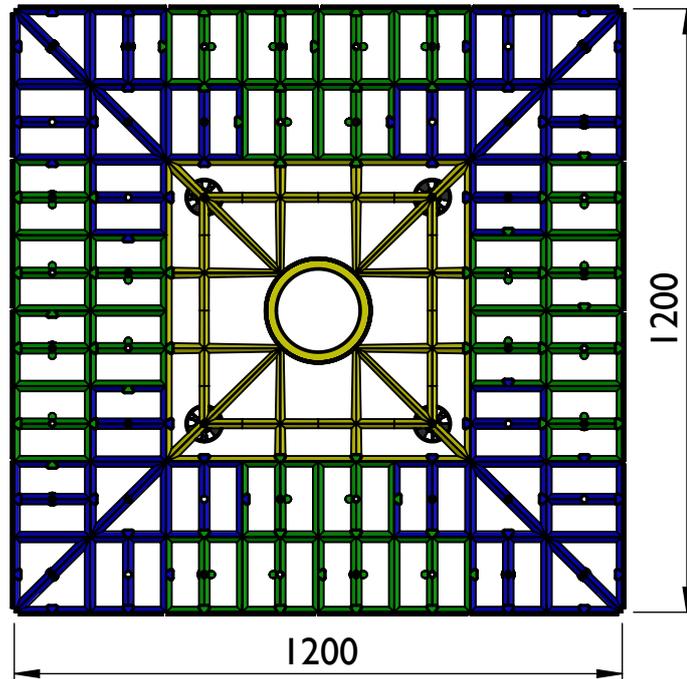
Size	1500mmx1500mm	Code	AG150150/2F	Height Range	75mm-93mm
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### No Wall - Four Falls

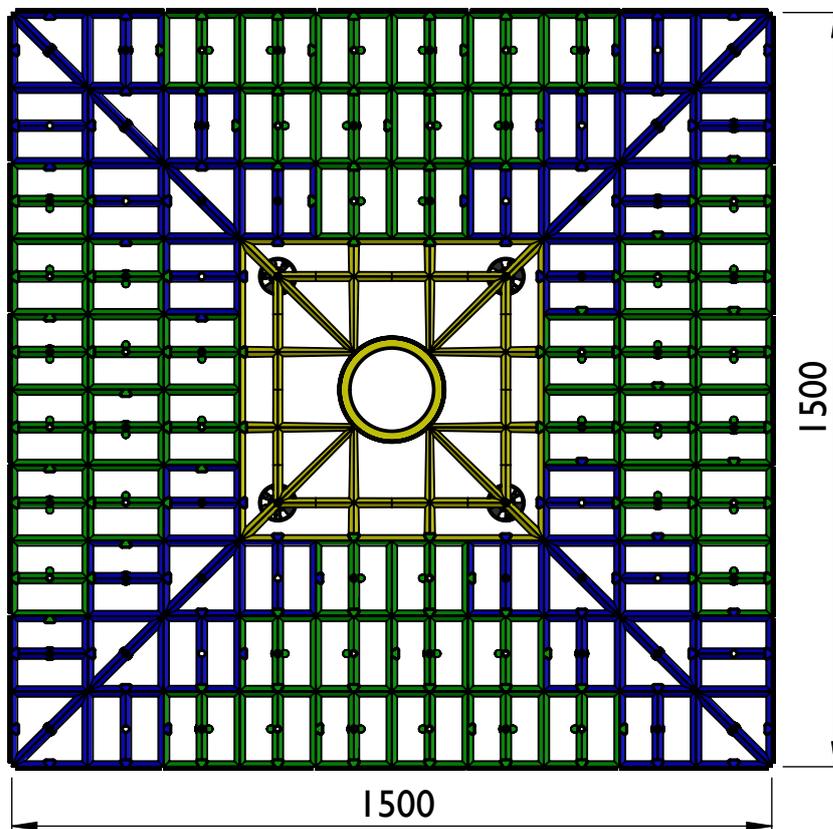


Size	900mmx900mm	Code	AG9090/4F	Height Range	49mm-67mm
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## Aqua/Level-Grade Technical Data Sheet Sizes



Size	1200mmx1200mm	Code	AG120120/4F	Height Range	54mm-72mm
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Size	1500mmx1500mm	Code	AG150150/4F	Height Range	60mm-78mm
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If you require any further information about  
this product please contact our technical  
department on: 01460 258 682

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**impey**