

# ACO KlassikDrain K100/KS100

## Subassembly Installation and Reference Guide

### User Guide for Autodesk AutoCAD Civil 3D files

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**ACO Water Management:  
Civils + Infrastructure**

ACO Pty Ltd  
134-140 Old Bathurst Road  
Emu Plains NSW 2750  
Australia

website: [ACO Australia | Quality and  
Trusted Drainage Product Solutions](http://www.aco.com.au)

## 1. Introduction

This document describes the installation, configuration and use of the ACO KlassikDrain subassembly component for AutoCAD Civil 3D 2022.

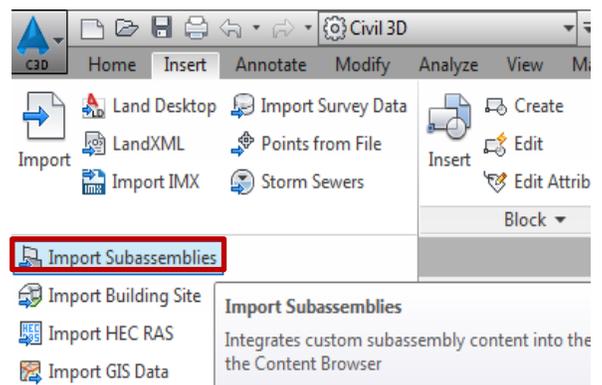
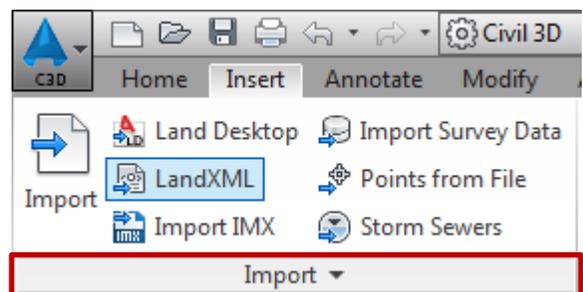


## 2. Installing the ACO KlassikDrain subassembly

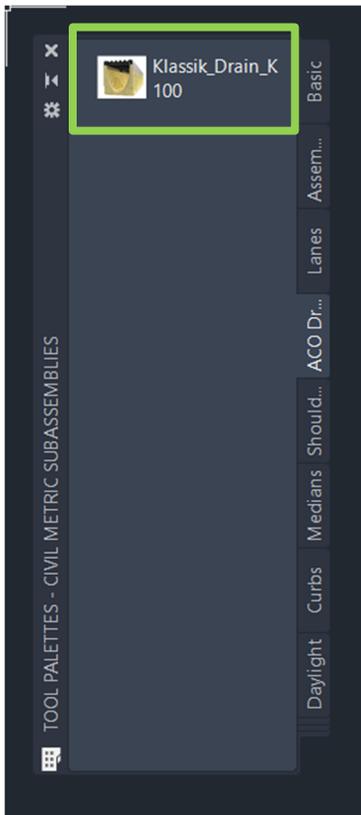
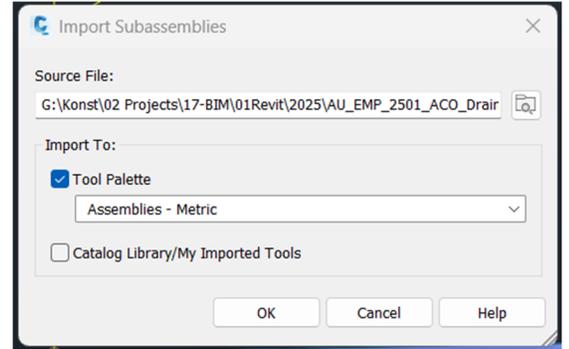
The KlassikDrain sub-assembly is available as a .pkt file which contains the subassembly .dll file and associated configuration files for installing the subassembly in Civil 3D.

To install the subassembly, click on the Import panel title on the Insert ribbon.

Choose import subassemblies



Browse the location of the ACO KlassikDrain K100/KS100.pkt file, and choose a tool palette to import to, or create a new palette. The subassembly can also optionally be added to the user Catalog Library. The tool palette in civil 3D will now show the ACO KlassikDrain K100/KS100 subassembly. Note that by right-clicking in the tool palette, the palette can be customized by creating a separate item for the ACO KlaasikDrain K100/KS100, as shown here.



### 3. Using the ACO KlassikDrain K100/KS100 subassembly

The ACO KlassikDrain subassembly includes definitions for the following Edge rail type:

KlassikDrain K100/KS100 with Edge rail types:-

#### K100 / KS100 Parts table

Channels and Accessories	Part No.	
	K100	KS100
<b>K1-00 Neutral channel - (1m)<sup>3</sup></b>	<b>144041</b>	<b>144441</b>
K1-1 Sloped channel - (1m)	144001	144401
K1-2 Sloped channel - (1m)	144002	144402
K1-3 Sloped channel - (1m)	144003	144403
K1-4 Sloped channel - (1m)	144004	144404
K1-5 Sloped channel - (1m) <sup>3</sup>	144005	144405
K1-6 Sloped channel - (1m)	144006	144406
K1-7 Sloped channel - (1m)	144007	144407
K1-8 Sloped channel - (1m)	144008	144408
K1-9 Sloped channel - (1m)	144009	144409
K1-10 Sloped channel - (1m) <sup>3</sup>	144010	144410
<b>K1-010 Neutral channel - (1m)<sup>3</sup></b>	<b>144043</b>	<b>144443</b>
<b>K1-0103 Neutral channel - (0.5m)<sup>3</sup></b>	<b>144044</b>	<b>144444</b>
K1-11 Sloped channel - (1m)	144011	144411
K1-12 Sloped channel - (1m)	144012	144412
K1-13 Sloped channel - (1m)	144013	144413
K1-14 Sloped channel - (1m)	144014	144414
K1-15 Sloped channel - (1m) <sup>3</sup>	144015	144415
K1-16 Sloped channel - (1m)	144016	144416
K1-17 Sloped channel - (1m)	144017	144417
K1-18 Sloped channel - (1m)	144018	144418
K1-19 Sloped channel - (1m)	144019	144419
K1-20 Sloped channel - (1m) <sup>3</sup>	144020	144420
<b>K1-020 Neutral channel - (1m)<sup>3</sup></b>	<b>144045</b>	<b>144445</b>
<b>K1-0203 Neutral channel - (0.5m)<sup>3</sup></b>	<b>144046</b>	<b>144446</b>
K1-21 Sloped channel - (1m)	144021	144421
K1-22 Sloped channel - (1m)	144022	144422
K1-23 Sloped channel - (1m)	144023	144423
K1-24 Sloped channel - (1m)	144024	144424
K1-25 Sloped channel - (1m) <sup>3</sup>	144025	144425
K1-26 Sloped channel - (1m)	144026	144426
K1-27 Sloped channel - (1m)	144027	144427
K1-28 Sloped channel - (1m)	144028	144428
K1-29 Sloped channel - (1m)	144029	144429
K1-30 Sloped channel - (1m) <sup>3</sup>	144030	144430
<b>K1-030 Neutral channel - (1m)<sup>3</sup></b>	<b>144047</b>	<b>144447</b>
<b>K1-0303 Neutral channel - (0.5m)<sup>3</sup></b>	<b>144048</b>	<b>144448</b>
K1-31 Sloped channel - (1m)	144031	144431
K1-32 Sloped channel - (1m)	144032	144432
K1-33 Sloped channel - (1m)	144033	144433
K1-34 Sloped channel - (1m)	144034	144434
K1-35 Sloped channel - (1m) <sup>3</sup>	144035	144435
K1-36 Sloped channel - (1m)	144036	144436
K1-37 Sloped channel - (1m)	144037	144437
K1-38 Sloped channel - (1m)	144038	144438
K1-39 Sloped channel - (1m)	144039	144439
K1-40 Sloped channel - (1m) <sup>3</sup>	144040	144440
<b>K1-040 Neutral channel - (1m)<sup>3</sup></b>	<b>144049</b>	<b>144449</b>
<b>K1-0403 Neutral channel - (0.5m)<sup>3</sup></b>	<b>144050</b>	<b>144450</b>



### 3.1 User Defined Parameter

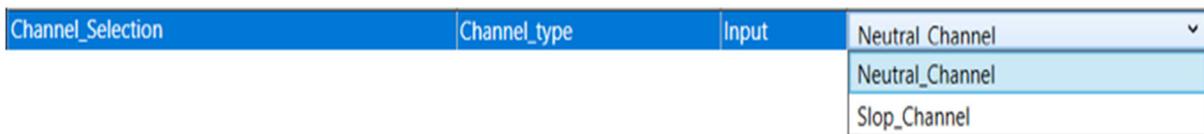
Input/Output Parameters			
Name	Type	Direction	Default Value
Side	Side	Input	Left
Channel_Selection	Channel_type	Input	Slop_Channel
Neutral_channel_height_selection	Neutral_channel_Height	Input	K1_0403_Neutral_channel_0_5m_144050
Slope_height_Range_Selection	Slope_channel_height_range	Input	Sloped_channel_255_To_300
Slop_Channel_105_to_150	Sloped_Channel_105_to_150	Input	K1_7_Sloped_channel_1m_144007
Slop_Channel_155_to_200	Sloped_Channel_155_to_200	Input	K1_13_Sloped_channel_1m_144013
Slop_Channel_205_to_250	Sloped_Channel_205_to_250	Input	K1_30_Sloped_channel_1m_144030
Slop_Channel_255_to_300	Sloped_Channel_255_to_300	Input	K1_39_Sloped_channel_1m_144039
Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	Plastic_gratings
Platic_gratings_selection	Plastic_gratings	Input	Plastic_Intercept_Heelsafe_AntiSlip_Type_495D_Grey_polypropylene_142460
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	Steel_Slotted_Type_450D_Grade_304_stainless_12640
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	Steel_Slotted_Type_420D_Galvanised_12610
iron_gratings_selection	Iron_Gratings	Input	Iron_Wave_Heelsafe_AntiSlip_Type_480D_Ductile_iron_142461
Brickslot_selection	Brickslot	Input	Galvanised_Brickslot_100_1000mm_142790
Haunching	Yes\No	Input	Yes
Haunching_class_selection	Haunch_Class_Selection	Input	Class_C_D
Haunch_Class_A_B_selection	Haunch_Class_A_B	Input	Concrete_haunch_to_top_class_A_B
Haunch_Class_C_D_selection	Haunch_Class_C_D	Input	Concrete_haunch_to_top_class_C_D

All the default values of the parameter can be edited by end-user. User can be able to select their required KlassikDrain, Grating and Haunch type.

### 3.2 KlassikDrain K100/KS100 with different Edge rail channel types

User can able to select their required KlassikDrain channel by using the parameter KlassikDrainType which has dropdown menu, with 49 different types of KlassikDrain channel, which includes Neutral and Slop channel.

initially user needs to select Neutral or Slop channel in Input/Output parameter table. There is channel\_selection parameter with drop down menu.



If users select Neutral channel for height selection there is parameter Neutral\_channel\_height\_selection using this user can select their required height.

Channel_Selection	Channel_type	Input	Neutral_Channel
Neutral_channel_height_selection	Neutral_channel_Height	Input	K1_0403_Neutral_channel_0_5m_144050
Slope_height_Range_Selection	Slope_channel_height_range	Input	K1_00_Neutral_channel_1m_144041
Slop_Channel_105_to_150	Sloped_Channel_105_to_150	Input	K1_010_Neutral_channel_1m_144043
Slop_Channel_155_to_200	Sloped_Channel_155_to_200	Input	K1_0103_Neutral_channel_0_5m_144044
Slop_Channel_205_to_250	Sloped_Channel_205_to_250	Input	K1_020_Neutral_channel_1m_144045
Slop_Channel_255_to_300	Sloped_Channel_255_to_300	Input	K1_0203_Neutral_channel_0_5m_144046
Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	K1_030_Neutral_channel_1m_144047
Platic_gratings_selection	Plastic_gratings	Input	K1_0303_Neutral_channel_0_5m_144048
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	K1_040_Neutral_channel_1m_144049
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	K1_0403_Neutral_channel_0_5m_144050

If users select Slop channel for height selection there is parameter Slope\_height\_Range\_Selection using this user needs to select their height range which between 105 to 150, 155 to 200, 205 to 255 and 255 to 300. Which because Autodesk sub assembly composer have enumeration restriction with max 16 nos.

Slope_height_Range_Selection	Slope_channel_height_range	Input	Sloped channel 255 To 300
Slop_Channel_105_to_150	Sloped_Channel_105_to_150	Input	Sloped_channel_105_To_150
Slop_Channel_155_to_200	Sloped_Channel_155_to_200	Input	Sloped_channel_155_To_200
Slop_Channel_205_to_250	Sloped_Channel_205_to_250	Input	Sloped_channel_205_To_250
Slop_Channel_255_to_300	Sloped_Channel_255_to_300	Input	Sloped_channel_255_To_300

After selecting the height range by using drop down menu user can select their required height.

Input/Output Parameters			
Name	Type	Direction	Default Value
Side	Side	Input	Left
Channel_Selection	Channel_type	Input	Slop_Channel
Neutral_channel_height_selection	Neutral_channel_Height	Input	K1_0403_Neutral_channel_0_5m_144050
Slope_height_Range_Selection	Slope_channel_height_range	Input	Sloped_channel_105_To_150
Slop_Channel_105_to_150	Sloped_Channel_105_to_150	Input	K1_7_Sloped_channel_1m_144007
Slop_Channel_155_to_200	Sloped_Channel_155_to_200	Input	K1_1_Sloped_channel_1m_144001
Slop_Channel_205_to_250	Sloped_Channel_205_to_250	Input	K1_2_Sloped_channel_1m_144002
Slop_Channel_255_to_300	Sloped_Channel_255_to_300	Input	K1_3_Sloped_channel_1m_144003
Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	K1_4_Sloped_channel_1m_144004
Platic_gratings_selection	Plastic_gratings	Input	K1_5_Sloped_channel_1m_144005
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	K1_6_Sloped_channel_1m_144006
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	K1_7_Sloped_channel_1m_144007
iron_gratings_selection	Iron_Gratings	Input	K1_8_Sloped_channel_1m_144008
Brickslot_selection	Brickslot	Input	K1_9_Sloped_channel_1m_144009
Haunching	Yes\No	Input	K1_10_Sloped_channel_1m_144010

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Input/Output Parameters			
Name	Type	Direction	Default Value
Side	Side	Input	Left
Channel_Selection	Channel_type	Input	Slop_Channel
Neutral_channel_height_selection	Neutral_channel_Height	Input	K1_0403_Neutral_channel_0_5m_144050
Slope_height_Range_Selection	Slope_channel_height_range	Input	Sloped_channel_155_To_200
Slop_Channel_105_to_150	Sloped_Channel_105_to_150	Input	K1_7_Sloped_channel_1m_144007
Slop_Channel_155_to_200	Sloped_Channel_155_to_200	Input	K1_13_Sloped_channel_1m_144013
Slop_Channel_205_to_250	Sloped_Channel_205_to_250	Input	K1_11_Sloped_channel_1m_144011
Slop_Channel_255_to_300	Sloped_Channel_255_to_300	Input	K1_12_Sloped_channel_1m_144012
Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	K1_13_Sloped_channel_1m_144013
Platic_gratings_selection	Plastic_gratings	Input	K1_14_Sloped_channel_1m_144014
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	K1_15_Sloped_channel_1m_144015
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	K1_16_Sloped_channel_1m_144016
iron_gratings_selection	Iron_Gratings	Input	K1_17_Sloped_channel_1m_144017
Brickslot_selection	Brickslot	Input	K1_18_Sloped_channel_1m_144018
Haunching	Yes/No	Input	K1_19_Sloped_channel_1m_144019
Haunching_class_selection	Haunch_Class_Selection	Input	K1_20_Sloped_channel_1m_144020

Input/Output Parameters			
Name	Type	Direction	Default Value
Side	Side	Input	Left
Channel_Selection	Channel_type	Input	Slop_Channel
Neutral_channel_height_selection	Neutral_channel_Height	Input	K1_0403_Neutral_channel_0_5m_144050
Slope_height_Range_Selection	Slope_channel_height_range	Input	Sloped_channel_205_To_250
Slop_Channel_105_to_150	Sloped_Channel_105_to_150	Input	K1_7_Sloped_channel_1m_144007
Slop_Channel_155_to_200	Sloped_Channel_155_to_200	Input	K1_13_Sloped_channel_1m_144013
Slop_Channel_205_to_250	Sloped_Channel_205_to_250	Input	K1_30_Sloped_channel_1m_144030
Slop_Channel_255_to_300	Sloped_Channel_255_to_300	Input	K1_21_Sloped_channel_1m_144021
Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	K1_22_Sloped_channel_1m_144022
Platic_gratings_selection	Plastic_gratings	Input	K1_23_Sloped_channel_1m_144023
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	K1_24_Sloped_channel_1m_144024
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	K1_25_Sloped_channel_1m_144025
iron_gratings_selection	Iron_Gratings	Input	K1_26_Sloped_channel_1m_144026
Brickslot_selection	Brickslot	Input	K1_27_Sloped_channel_1m_144027
Haunching	Yes/No	Input	K1_28_Sloped_channel_1m_144028
Haunching_class_selection	Haunch_Class_Selection	Input	K1_29_Sloped_channel_1m_144029
Haunch_Class_A_B_selection	Haunch_Class_A_B	Input	K1_30_Sloped_channel_1m_144030

Input/Output Parameters			
Name	Type	Direction	Default Value
Side	Side	Input	Left
Channel_Selection	Channel_type	Input	Slop_Channel
Neutral_channel_height_selection	Neutral_channel_Height	Input	K1_0403_Neutral_channel_0_5m_144050
Slope_height_Range_Selection	Slope_channel_height_range	Input	Sloped_channel_255_To_300
Slop_Channel_105_to_150	Sloped_Channel_105_to_150	Input	K1_7_Sloped_channel_1m_144007
Slop_Channel_155_to_200	Sloped_Channel_155_to_200	Input	K1_13_Sloped_channel_1m_144013
Slop_Channel_205_to_250	Sloped_Channel_205_to_250	Input	K1_30_Sloped_channel_1m_144030
Slop_Channel_255_to_300	Sloped_Channel_255_to_300	Input	K1_39_Sloped_channel_1m_144039
Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	K1_31_Sloped_channel_1m_144031
Platic_gratings_selection	Plastic_gratings	Input	K1_32_Sloped_channel_1m_144032
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	K1_33_Sloped_channel_1m_144033
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	K1_34_Sloped_channel_1m_144034
iron_gratings_selection	Iron_Gratings	Input	K1_35_Sloped_channel_1m_144035
Brickslot_selection	Brickslot	Input	K1_36_Sloped_channel_1m_144036
Haunching	Yes/No	Input	K1_37_Sloped_channel_1m_144037
Haunching_class_selection	Haunch_Class_Selection	Input	K1_38_Sloped_channel_1m_144038
Haunch_Class_A_B_selection	Haunch_Class_A_B	Input	K1_39_Sloped_channel_1m_144039
Haunch_Class_C_D_selection	Haunch_Class_C_D	Input	K1_40_Sloped_channel_1m_144040

### 3.3 KlassikDrain K100/KS100 grating types

User needs to select grating material or brickslot using the parameter Gratings\_material\_selection\_and\_Brickslot\_selection

Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	Plastic_gratings
Platic_gratings_selection	Plastic_gratings	Input	Plastic_gratings
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	Galvanised_steel_gratings
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	Stainless_Steel_gratings
iron_gratings_selection	Iron_Gratings	Input	Iron_gratings
Brickslot_selection	Brickslot	Input	Brickslot

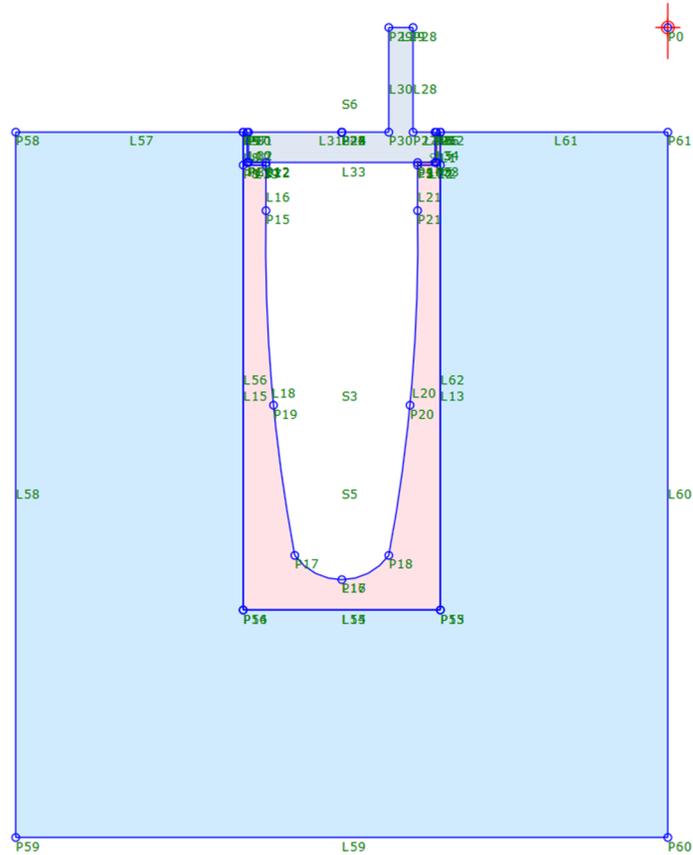
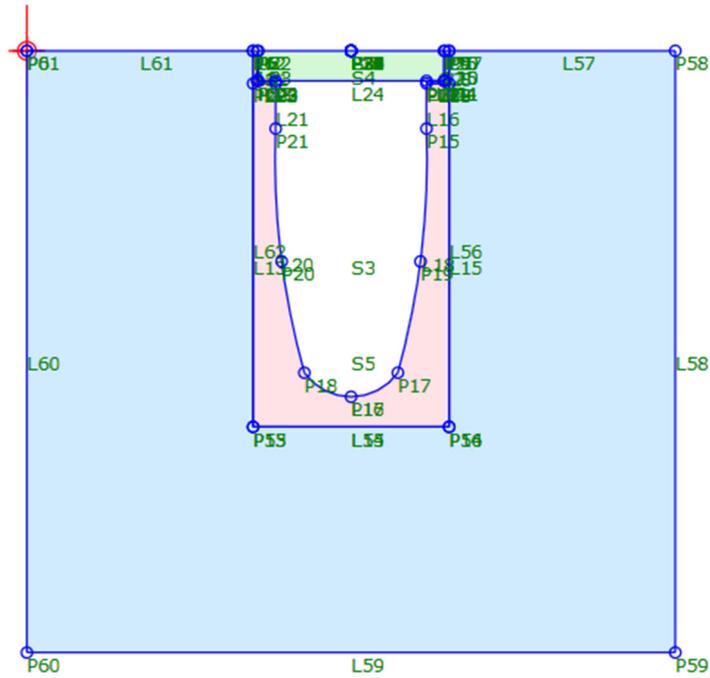
After material selection from that drop down menu each material have multiple gratings using the parameter of material selected user can select their required gratings.

Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	Plastic_gratings
Platic_gratings_selection	Plastic_gratings	Input	Plastic Intercept Heelsafe AntiSlip Type 495D Grey polypropylene 14246
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	Plastic Intercept Heelsafe AntiSlip Type 494D Black polypropylene 142459
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	Plastic Intercept Heelsafe AntiSlip Type 495D Grey polypropylene 142460
iron_gratings_selection	Iron_Gratings	Input	Plastic Slotted Heelsafe AntiSlip Type 492D Black polyamide 132720

Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	Stainless_Steel_gratings
Platic_gratings_selection	Plastic_gratings	Input	Plastic Intercept Heelsafe AntiSlip Type 495D Grey polypropylene 142460
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	Steel Slotted Type 450D Grade 304 stainless 12640
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	Steel Slotted Type 450D Grade 304 stainless 12640
iron_gratings_selection	Iron_Gratings	Input	Steel Slotted Type 452D Grade 304 stainless 12641
Brickslot_selection	Brickslot	Input	Stainless Wedgewire Heelsafe AntiSlip Type 447D Grade 304 stainless 142215
Haunching	Yes\No	Input	Stainless Wedgewire Heelsafe AntiSlip Type 448D Grade 304 stainless 142216
Haunching_class_selection	Haunch_Class_Selection	Input	Stainless 5 Star Heelsafe AntiSlip Type 443D Grade 304 stainless 142217
Haunch_Class_A_B_selection	Haunch_Class_A_B	Input	Stainless 5 Star Heelsafe AntiSlip Type 444D Grade 304 stainless 142218
Haunch_Class_C_D_selection	Haunch_Class_C_D	Input	Stainless Twinwire Heelsafe AntiSlip Type 441D Grade 304 stainless 142556
<			Stainless Twinwire Heelsafe AntiSlip Type 442D Grade 304 stainless 142557
Create parameter			Stainless Splitwire Heelsafe AntiSlip Type 439D Grade 304 stainless 142569
			Stainless Splitwire Heelsafe AntiSlip Type 440D Grade 304 stainless 142570
			Steel Slotted Type 455D Grade 304 stainless 12644
			Steel Slotted Type 457D Grade 304 stainless 12645
			Stainless Longitudinal Heelsafe AntiSlip Type 416D Grade 304 stainless 143135
			Stainless Longitudinal Heelsafe AntiSlip Type 417D Grade 304 stainless 143134
			Steel Mesh Type 430Q Grade 304 stainless 142403
			Steel Mesh Type 431Q Grade 304 stainless 142404

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Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	Galvanised_steel_gratings
Platic_gratings_selection	Plastic_gratings	Input	Plastic_Intercept_Heelsafe_AntiSlip_Type_495D_Grey_polypropylene_142460
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	Steel_Slotted_Type_450D_Grade_304_stainless_12640
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	Steel_Slotted_Type_420D_Galvanised_12610
iron_gratings_selection	Iron_Gratings	Input	Steel_Slotted_Type_420D_Galvanised_12610
Brickslot_selection	Brickslot	Input	Steel_Slotted_Type_421D_Galvanised_12611
Haunching	Yes\No	Input	Galvanised_Longitudinal_Heelsafe_AntiSlip_Type_438D_Galvanised_132555
Haunching_class_selection	Haunch_Class_Selection	Input	Galvanised_Longitudinal_Heelsafe_AntiSlip_Type_437D_Galvanised_132550
Haunch_Class_A_B_selection	Haunch_Class_A_B	Input	Steel_Slotted_Type_425D_Galvanised_12614
Haunch_Class_C_D_selection	Haunch_Class_C_D	Input	Steel_Slotted_Type_426D_Galvanised_12615
<			Steel_Mesh_Type_405Q_Galvanised_142401
Create parameter			Steel_Mesh_Type_406Q_Galvanised_142402
Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	Iron_gratings
Platic_gratings_selection	Plastic_gratings	Input	Plastic_Intercept_Heelsafe_AntiSlip_Type_495D_Grey_polypropylene_142460
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	Steel_Slotted_Type_450D_Grade_304_stainless_12640
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	Steel_Slotted_Type_420D_Galvanised_12610
iron_gratings_selection	Iron_Gratings	Input	Iron_Wave_Heelsafe_AntiSlip_Type_480D_Ductile_iron_142461
Brickslot_selection	Brickslot	Input	Iron_Wave_Heelsafe_AntiSlip_Type_480D_Ductile_iron_142461
Haunching	Yes\No	Input	Iron_Slotted_Type_460D_Ductile_iron_12670
Haunching_class_selection	Haunch_Class_Selection	Input	Iron_Intercept_Heelsafe_AntiSlip_Type_476D_Ductile_iron_142171
Haunch_Class_A_B_selection	Haunch_Class_A_B	Input	Iron_Galvanised_Intercept_Heelsafe_AntiSlip_Type_475D_Galvanised_iron_142172
Gratings_material_selection_and_Brickslot_selection	Gratings_Brickslots	Input	Brickslot
Platic_gratings_selection	Plastic_gratings	Input	Plastic_Intercept_Heelsafe_AntiSlip_Type_495D_Grey_polypropylene_142460
Stainless_steel_gratings_selection	Stainless_Steel_gratings	Input	Steel_Slotted_Type_450D_Grade_304_stainless_12640
Galvanised_steel_gratings_selection	Galvanised_Steel_gratings	Input	Steel_Slotted_Type_420D_Galvanised_12610
iron_gratings_selection	Iron_Gratings	Input	Iron_Wave_Heelsafe_AntiSlip_Type_480D_Ductile_iron_142461
Brickslot_selection	Brickslot	Input	Galvanised_Brickslot_100_1000mm_142790
Haunching	Yes\No	Input	Galvanised_Brickslot_100_1000mm_142790
Haunching_class_selection	Haunch_Class_Selection	Input	Galvanised_Brickslot_100_500mm_142791
Haunch_Class_A_B_selection	Haunch_Class_A_B	Input	Galvanised_Brickslot_100_access_unit_500mm_142466
Haunch_Class_C_D_selection	Haunch_Class_C_D	Input	Stainless_Brickslot_100_1000mm_142792
<			Stainless_Brickslot_100_500mm_142793
Create parameter			Stainless_Brickslot_100_access_unit_500mm_142469
			Galvanised_Double_Brickslot_100_1000mm_142470
			Galvanised_Double_Brickslot_100_500mm_142471
			Galvanised_Double_Brickslot_100_access_unit_500mm_142472
			Stainless_Double_Brickslot_100_1000mm_142473
			Stainless_Double_Brickslot_100_500mm_142474
			Stainless_Double_Brickslot_100_access_unit_500mm_142475



### 3.4 Haunch types

To include Haunching we have provided decision option so user can select Yes/or No from the parameter Haunching. There are two different classes for haunching A-B and C-D

Haunching	Yes\No	Input	Yes
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There are two different classes for haunching A-B and C-D it can be decide by user, using Haunch class parameter drop down menu.

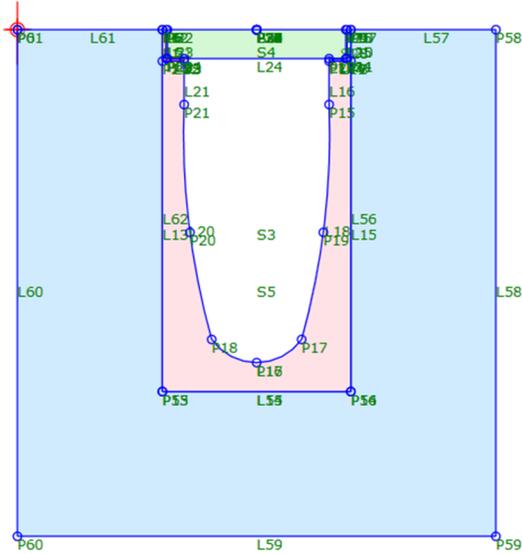
Haunch_Class	Haunch_Class_	Input	Class C D
Haunch_Class_A_B_selection	Haunch_Class_	Input	Class_A_B
Haunch_Class_C_D_selection	Haunch_Class_	Input	Class_C_D

Haunch class A-B which has four type of haunch and C-D which have five types of haunch user can easily select their haunch type with provided parameters.

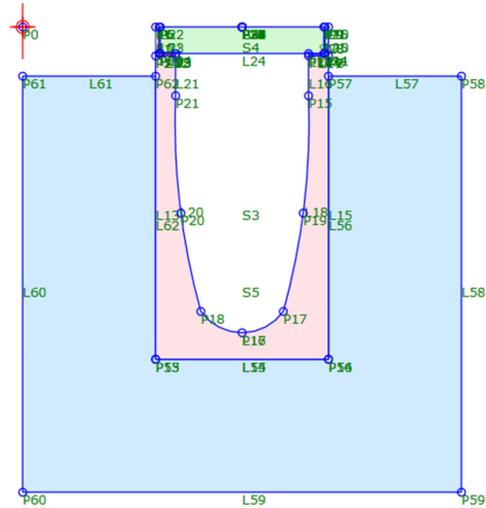
Haunch_Class_A_B_selection	Haunch_Class_	Input	Pavers to edge class A B
Haunch_Class_C_D_selection	Haunch_Class_	Input	Grass_haunch_to_top_Class_A_B
AntiSlipGrateShapeCode	String	Input	Pavers_to_edge_class_A_B
BrickSlotShape	String	Input	Asphalt_sloped_haunch_class_A_B
DrainBaseLink	String	Input	Concrete_haunch_to_top_class_A_B

Haunch_Class_C_D_selection	Haunch_Class_	Input	Asphalt haunch to top class C D
AntiSlipGrateShapeCode	String	Input	Pavers_to_edge_class_C_D
BrickSlotShape	String	Input	Pavers_haunch_to_top_class_C_D
DrainBaseLink	String	Input	Asphalt_sloped_haunch_class_C_D
DrainFormationCode	String	Input	Asphalt_haunch_to_top_class_C_D
<			Concrete_haunch_to_top_class_C_D

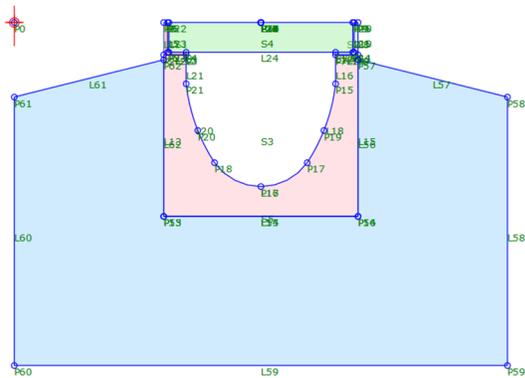
Create parameter



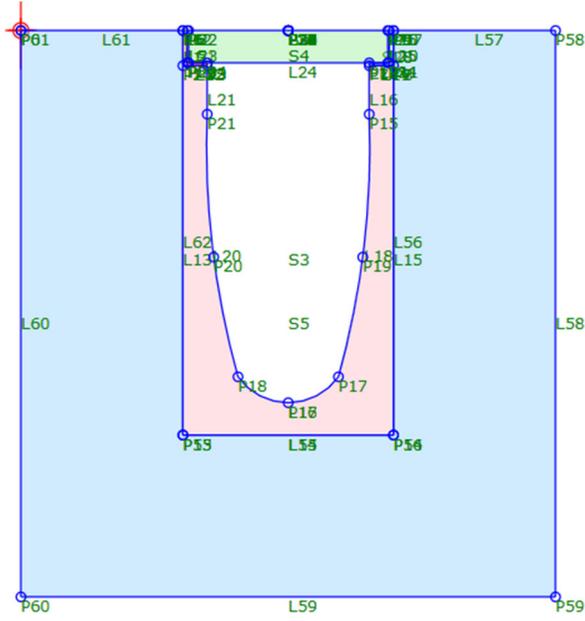
Grass haunch to top



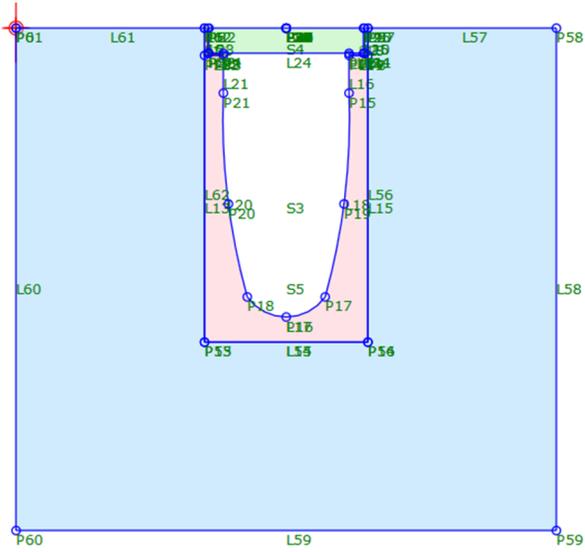
Pavers to edge



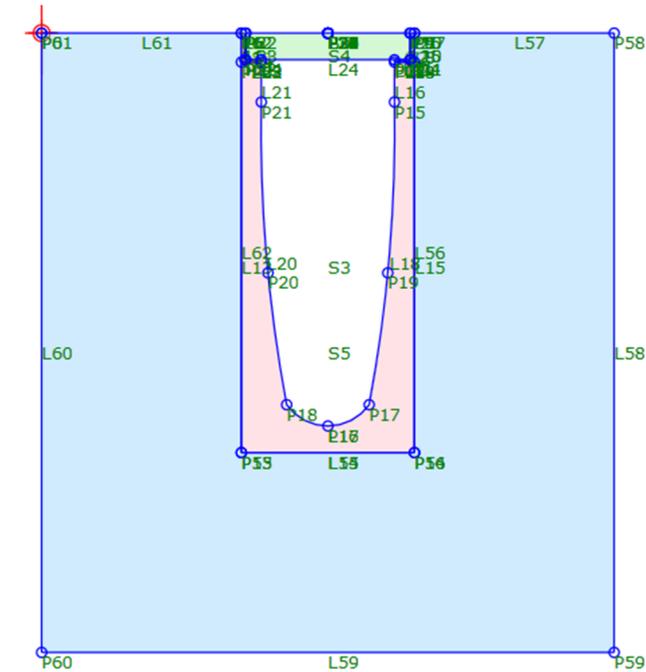
Asphalt sloped haunch



Concrete haunch to top



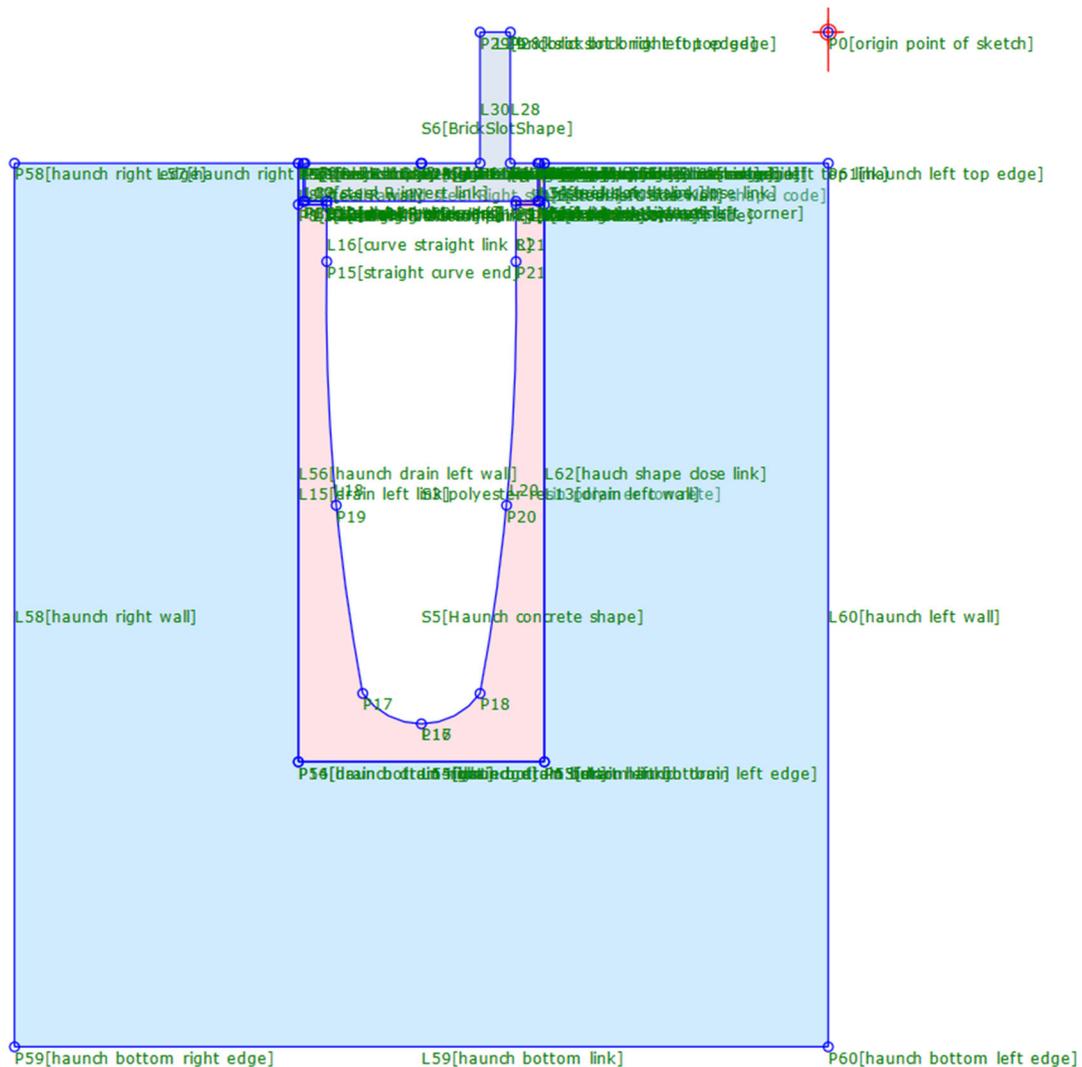
Pavers haunch to top



Asphalt haunch to top

### 3.5 Point Codes

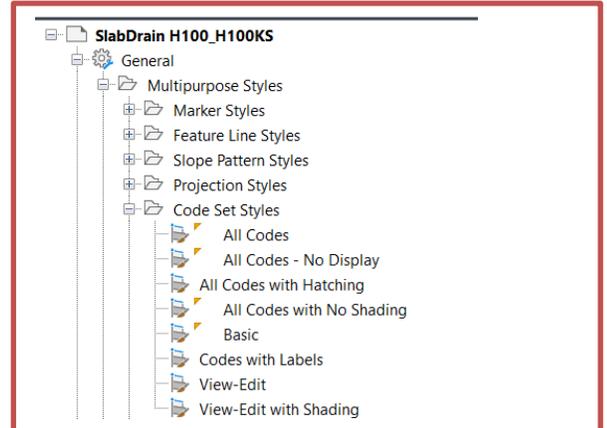
The point codes can be used in the code set styles to generate featurelines at the specific positions on the subassembly. The link codes can be used to display the outline of the subassembly in cross-sections, and also to create surface from the codes. The default values supplied with the subassembly include the standard codes of Top and Formation which are used universally to indicate a Top surface of the corridor model or a Formation surface of the corridor model respectively. The KlassikDrain is indicated by the default link code of KlassikDrain, and the default shape code of KlassikDrain. The grating is indicated by the default link code of edge rail, and the default shape code of edge rail. The haunching is indicated by the default link code of Haunch, and the default shape code of Haunch. All of these codes can be over-ridden by the user. The shape codes are used to enable hatching to be applied in the cross-section views, and also to enable volumes of materials to be generated.



## 4. Code Set Styles

Code Set Styles are used to control the appearance and labeling of the individual point, link, and shape components of the subassemblies. The many styles required are grouped into Code Sets. Code Set settings are located in the General collection on the Settings tab of the Tool space.

Different code set styles used in the KlassikDrain Code set style template as shown here.



### 4.1 Import Code Set Styles from one drawing to another

Open the drawing in which KlassikDrain Code Set style has to be imported.

- Run command IMPORTSTYLESANDSETTINGS
- Browse to the location of KlassikDrain Code Set Style template
- Select Styles as desired, check "Import Settings" toggle and click OK
- Warning will be displaying informing that duplicates styles may be overwritten
- Drawing will import styles and settings from KlassikDrain Code Set Style template to this template