



3000 SERIES™

FAST DRAINAGE • QUICK SOLUTIONS

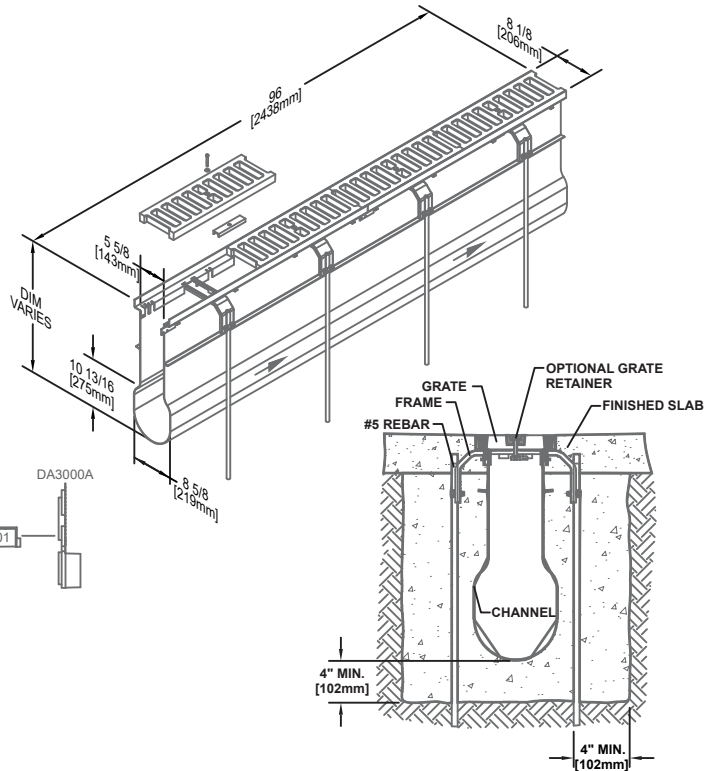
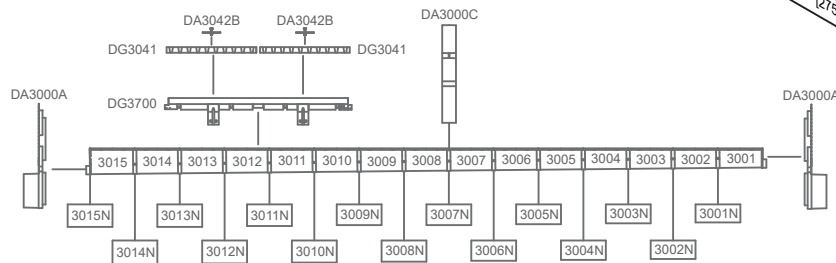
PROJECT ID/ CONTRACT NO: _____

Pre-Sloped High Capacity Drain System

LOCATION: _____

ENGINEERING SPECIFICATION:

The 3000 SERIES™ High Capacity Pre-Sloped Drain System is 8ft [2.44m] long with 1% slope pultruded fiberglass pre-sloped channels. Channels shall be UV resistant and limit water absorption to less than 1%. The frame shall incorporate an integral air vent system to release air from under the bearing structure. Four locking mechanisms shall be provided per 8ft [2.44m] section and 3/8"-16 UNC stainless steel locking bolts with each channel and grate assembly. End caps shall be provided where required. Each end cap shall be available in closed style with a scored line to allow adaptation to an 8" pipe opening. Channel and frame assembly shall withstand loads exceeding AASHTO H-20. Flow rates are over 3,000 GPM (Gallons per Minute). Each numbered sloped channel shall have a corresponding non-sloped neutral channel (indicated by 'N' in part number) to use as necessary.



✓ Channel Number	Weight (LBS.)	Inlet Dim 'A'	Outlet Dim 'B'
☐ DP3001	25	14.78	15.74
☐ DP3001N (Non-Sloped)	25	15.74	15.74
☐ DP3002	26	15.74	16.70
☐ DP3002N (Non-Sloped)	26	16.70	16.70
☐ DP3003	28	16.70	17.66
☐ DP3003N (Non-Sloped)	28	17.66	17.66
☐ DP3004	29	17.66	18.62
☐ DP3004N (Non-Sloped)	29	18.62	18.62
☐ DP3005	31	18.62	19.58
☐ DP3005N (Non-Sloped)	31	19.58	19.58
☐ DP3006	32	19.58	20.54
☐ DP3006N (Non-Sloped)	32	20.54	20.54
☐ DP3007	34	20.54	21.50
☐ DP3007N (Non-Sloped)	34	21.50	21.50
☐ DP3008	35	21.50	22.46
☐ DP3008N (Non-Sloped)	35	22.46	22.46
☐ DP3009	37	22.46	23.42
☐ DP3009N (Non-Sloped)	37	23.42	23.42
☐ DP3010	41	23.42	24.38
☐ DP3010N (Non-Sloped)	41	24.38	24.38
☐ DP3011	42	24.38	25.34
☐ DP3011N (Non-Sloped)	42	25.34	25.34
☐ DP3012	44	25.34	26.30
☐ DP3012N (Non-Sloped)	44	26.30	26.30
☐ DP3013	45	26.30	27.26
☐ DP3013N (Non-Sloped)	45	27.26	27.26
☐ DP3014	47	27.26	28.22
☐ DP3014N (Non-Sloped)	47	28.22	28.22
☐ DP3015	48	28.22	29.18
☐ DP3015N (Non-Sloped)	48	29.18	29.18

Grate Options (Select One)			
✓ Grate Type	Part No.	Load Class	
☐ Ductile Iron Slotted	DG3041D	Class F	
☐ Ductile Iron Slotted	DG3042D	Class D	
☐ Ductile Iron Slotted - ADA	DG3043R	Class D	
☐ Stainless Steel Bar	DG3047R	Class C	
☐ Galvanized Bar	DG3048R	Class C	
☐ Fiberglass I-Bar	DG3044	Class C	
☐ Fiberglass Mesh	DG3045	Class B	
✓ Options (Select All That Apply)	Part No.	Additional Specifications:	
☐ End Cap/Pipe Adapter	DA3000A		
☐ Channel Coupler	DA3000C		
☐ Bottom Outlet Adapter	DA3000S		
☐ Standard Grate Hold-Down Device	DA3042B		
☐ Stainless Steel Grate Hold-Down Device	DA3042S		
☐ SS I-Bar-Clip Hold-Down Device (I-bar grate)	DA3042F		
☐ SS M-Clip Hold-Down Device (mesh grate)	DA3042M		
☐ 48" Zinc Plated Channel Frame	DG3700		
☐ 48" Stainless Steel Channel Frame	DG3700S		

Meets the following Standards & Specifications:

Federal Aviation Administration (FAA) Advisory Circular Airport Pavement Design and Evaluation (AC 150/5320-6D Appendix 3 Design of Structures for Heavy Aircraft)
 ASTM Standard D543, Test Method for Resistance of Plastics to Chemical Reagents
 ASTM Standard D570, Test Method for Water Absorption of Plastic
 ASTM Standard D576, Practice for Determination of Weight and Shape Changes of Plastics Under Accelerated Service Conditions
 ASTM Standard G53, Recommended Practice for Operating Light and Water Exposure Apparatus for Exposure of Non-Metallic Materials
 ASTM Standard D695, Test Method of Compressive Properties of Rigid Plastics
 ASTM Standard D790, Test Method for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulation Materials
 ASTM Standard B117, Standard Practice for Operating Salt Spray (Fog) Apparatus
 AASHTO Highway Drainage Guidelines
 AASHTO Standard Specification for Highway Bridges
 Exceeds 343lbs/ft [5kN/m] pullout per Caltrans Specifications



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