



# 3000 SERIES™

FAST DRAINAGE • QUICK SOLUTIONS

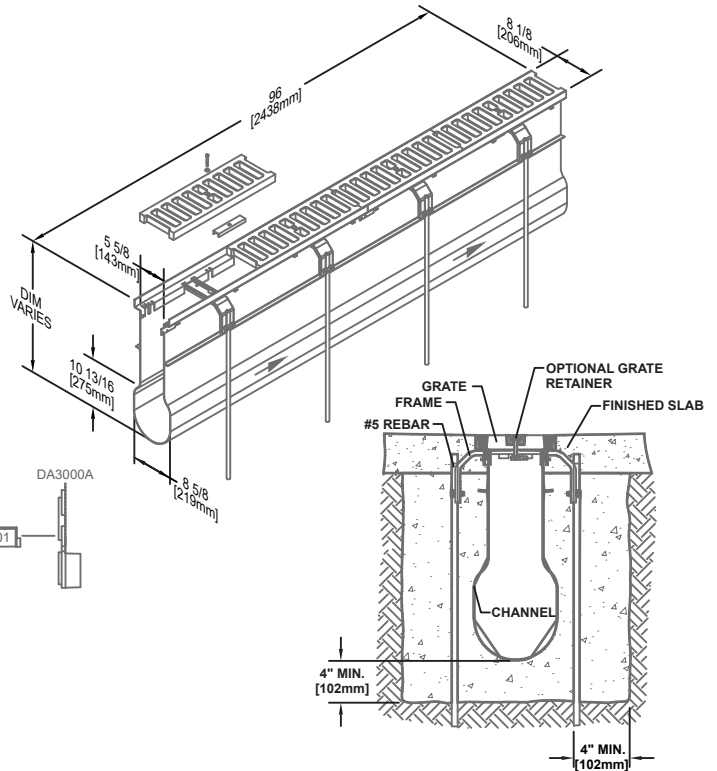
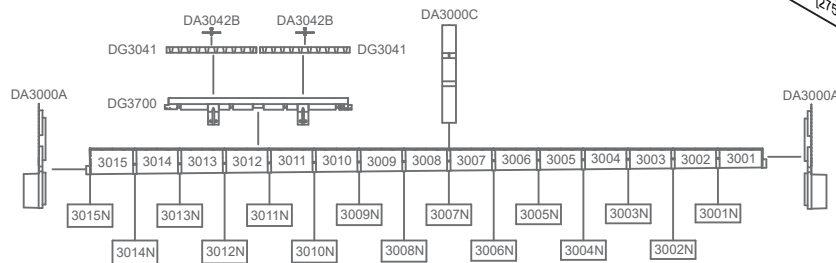
PROJECT ID/ CONTRACT NO: \_\_\_\_\_

## 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'
<input type="checkbox"/>	DP3001	25	14.78	15.74
<input type="checkbox"/>	DP3001N (Non-Sloped)	25	15.74	15.74
<input type="checkbox"/>	DP3002	26	15.74	16.70
<input type="checkbox"/>	DP3002N (Non-Sloped)	26	16.70	16.70
<input type="checkbox"/>	DP3003	28	16.70	17.66
<input type="checkbox"/>	DP3003N (Non-Sloped)	28	17.66	17.66
<input type="checkbox"/>	DP3004	29	17.66	18.62
<input type="checkbox"/>	DP3004N (Non-Sloped)	29	18.62	18.62
<input type="checkbox"/>	DP3005	31	18.62	19.58
<input type="checkbox"/>	DP3005N (Non-Sloped)	31	19.58	19.58
<input type="checkbox"/>	DP3006	32	19.58	20.54
<input type="checkbox"/>	DP3006N (Non-Sloped)	32	20.54	20.54
<input type="checkbox"/>	DP3007	34	20.54	21.50
<input type="checkbox"/>	DP3007N (Non-Sloped)	34	21.50	21.50
<input type="checkbox"/>	DP3008	35	21.50	22.46
<input type="checkbox"/>	DP3008N (Non-Sloped)	35	22.46	22.46
<input type="checkbox"/>	DP3009	37	22.46	23.42
<input type="checkbox"/>	DP3009N (Non-Sloped)	37	23.42	23.42
<input type="checkbox"/>	DP3010	41	23.42	24.38
<input type="checkbox"/>	DP3010N (Non-Sloped)	41	24.38	24.38
<input type="checkbox"/>	DP3011	42	24.38	25.34
<input type="checkbox"/>	DP3011N (Non-Sloped)	42	25.34	25.34
<input type="checkbox"/>	DP3012	44	25.34	26.30
<input type="checkbox"/>	DP3012N (Non-Sloped)	44	26.30	26.30
<input type="checkbox"/>	DP3013	45	26.30	27.26
<input type="checkbox"/>	DP3013N (Non-Sloped)	45	27.26	27.26
<input type="checkbox"/>	DP3014	47	27.26	28.22
<input type="checkbox"/>	DP3014N (Non-Sloped)	47	28.22	28.22
<input type="checkbox"/>	DP3015	48	28.22	29.18
<input type="checkbox"/>	DP3015N (Non-Sloped)	48	29.18	29.18

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