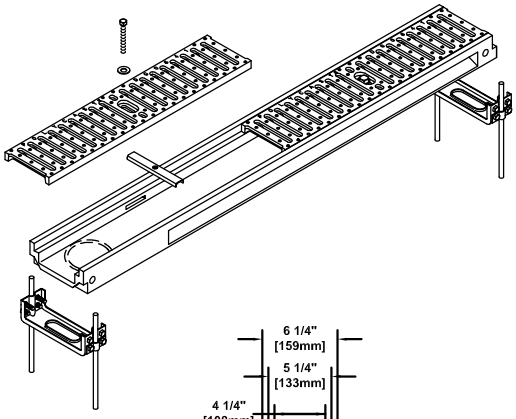
POLYCAST®
500 Series
Non-Sloped Trench Drain System

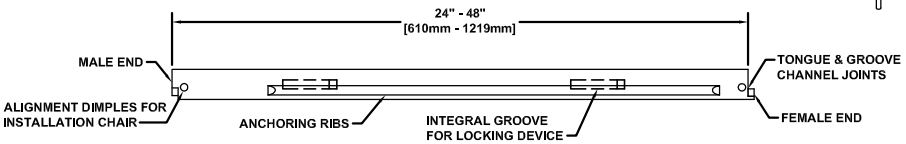
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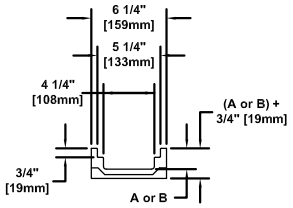
LOCATION: _____

ENGINEERING SPECIFICATION:

POLYCAST® 500 Series Non-Sloped Trench Drain System is a non-sloping trench drain, with 6 1/4" [159mm] wide x a nominal 48" [1219mm] long (standard) polyester polymer concrete channels with tongue and groove connections. Channel will be supplied with drill outs for a 4" [102mm] bottom outlet. Grating locking devices, installation chairs and end caps with a 4" [102mm] drain drill out as required. Installation chairs are recommended for installation of drainage channels.







✓	Channel Number	Weight (LBS.)	Inlet Dim 'A'	Outlet Dim 'B'
☐	500 w/ 4" Bottom Drill Out (Non-Sloped)	25	1-3/4	1-3/4
☐	500H w/ 4" Bottom Drill Out (Non-Sloped 24")	12	1-3/4	1-3/4

Grate Options (Select One)

✓	Grate Type	Part No.	Load Class
☐	Galvanized Steel Solid (ADA Compliant)	DG0645	Class A
☐	Galvanized Steel Perforated (ADA Compliant)	DG0646	Class A
☐	Stainless Steel Perforated (ADA Compliant)	DG0657	Class A
☐	Stainless Steel Solid (ADA Compliant)	DG0667	Class A
☐	Galvanized Steel Slotted	DG0640	Class B
☐	Plastic Coated Galvanized Sheet	DG0640C	Class B
☐	Stainless Steel Slotted	DG0647	Class B
☐	DURAGUARD® Slotted	DG0670	Class B
☐	DURAGUARD® Transverse (ADA Compliant)	DG0675	Class B
☐	Fiberglass (5/8" Spacing)	DG0644	Class C
☐	Fiberglass (3/8" Spacing)	DG0644SP	Class C
☐	Iron Slotted	DG0641	Class D
☐	Ductile Iron Slotted	DG0641D	Class D
☐	Ductile Iron Solid (ADA Compliant)	DG0641S	Class D
☐	Ductile Iron Longitudinal Slotted (ADA Compliant)	DG0675HD	Class D
☐	DURAGUARD® Composite Frame w/Iron Slotted	DG0700PE w/DG0641	Class D
☐	DURAGUARD® Composite Frame w/Ductile Solid	DG0700PE w/DG0641S	Class E
☐	DURAGUARD® Composite Frame w/Ductile Iron Slotted	DG0700PE w/DG0641D	Class E
☐	DURAGUARD® Composite Frame w/Ductile Iron Longitudinal Slotted	DG0700PE w/DG0675HD	Class E
☐	HARDNOSE Iron Frame w/Iron Slotted	DG0700AA w/DG0641	Class E
☐	HARDNOSE Iron Frame w/Ductile Iron Solid	DG0700AA w/DG0641S	Class F
☐	HARDNOSE Iron Frame w/Ductile Iron Slotted	DG0700AA w/DG0641D	Class F
☐	HARDNOSE Iron Frame w/Ductile Iron Longitudinal Slotted	DG0700AA w/DG0675HD	Class F

✓	Options (Select All That Apply)	Part No.	Additional Specifications:
☐	Vinyl Ester Concrete Channels	DV0500	
☐	Closed End Cap (Inlet/Outlet)	DP0500C	
☐	Galvanized Steel POLYGUARD	DA0620A	
☐	Stainless Steel POLYGUARD	DA0620B	
☐	Installation Alignment Chair	DA0633	
☐	Locking Device For Galvanized & DURAGUARD® Grates	DA0642	
☐	Locking Device For Iron & Ductile Iron Grates	DA0642B	
☐	Locking Device For Fiberglass Grates	DA0642F	
☐	Locking Device For Stainless Steel Grates	DA0642S	

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 Change 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 C78, Test Method for Flexural Strength of Concrete
- ASTM Standard C579, Test Method for Compressive Strength of Chemical Resistant Mortars and Monolithic Surfacing's
- AASHTO Highway Drainage Guidelines
- AASHTO Standard Specification for Highway Bridges

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LENOIR CITY, INC.
www.polycastdrain.com
Toll Free Number:
1-800-346-3061