POLYCAST®

700 Series

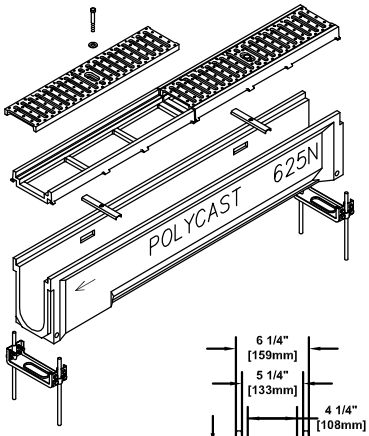
Pre-Sloped Extra
Heavy Duty System

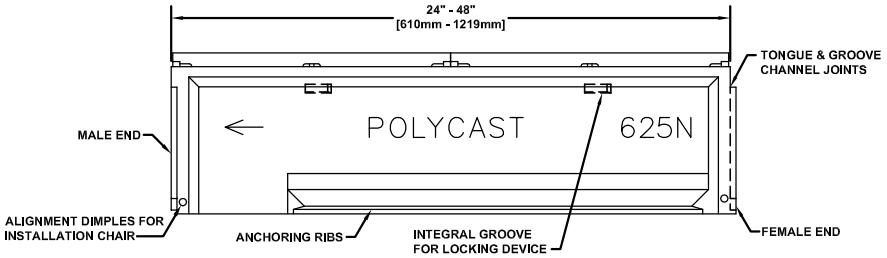
PROJECT ID/
CONTRACT NO: _____

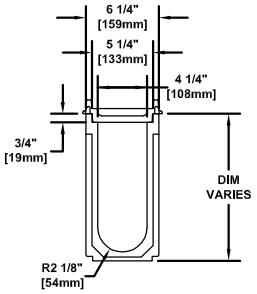
LOCATION: _____

ENGINEERING SPECIFICATION:

POLYCAST® 700 Series Pre-Sloped Extra Heavy Duty Trench Drain System is a .65% sloped trench drain, with 6 1/4" [159mm] wide x a nominal 48" [1219mm] long (standard) polyester polymer concrete channels with tongue and groove connections. Channels 605/610/615/620/625, non-sloping (neutrals) 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. Locking devices engage the iron frame and stay clear of the channel flow area. Drain sidewall pockets are available to hang channels from edge of forms during construction. Installation chairs are recommended for installation of drainage channels.







✓	Channel Number	Part No.
☐	Polyester Concrete Channels	DP06 _ _
☐	Vinyl Ester Concrete Channels	DV06 _ _

Meets the following Standards & Specifications:

- DIN 19580 / DIN EN 1433 Drainage Channels for Vehicular and Pedestrain Areas
- AASHTO H-20 and H-25 per AASHTO M-306 Drainage, Sewer, Utility and Related Castings
- Federal Aviation Administration (FAA) Advisory Circular AC 150/5320-6E Appendix 3. Design of Structures for Heavy Airplanes
- 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

Frame/Grate Options (Select One)			
✓	Frame/Grate Type	Part No.	DIN Load Class
☐	DURAGUARD® Composite Frame w/Ductile Iron Slotted	DG0700PE w/DG0641D	Class E
☐	DURAGUARD® Composite Frame w/Cast Iron Solid	DG0700PE w/DG0641S	Class E
☐	DURAGUARD® Composite Frame w/Ductile Iron Longitudinal Slotted	DG0700PE w/DG0675HD	Class E
☐	HARDNOSE Iron Frame w/Ductile Iron Slotted	DG0700AA w/DG0641D	Class E
☐	HARDNOSE Iron Frame w/Ductile Iron Longitudinal Slotted	DG0700AA w/DG0675HD	Class E
☐	HARDNOSE Iron Frame w/Cast Iron Solid	DG0700AA w/DG0641S	Class F

✓	Options (Select All That Apply)	Part No.	Additional Specifications:
☐	Drain End Cap (6" Outlet)	DA0620D6	
☐	Installation Alignment Chair	DA0633	
☐	Locking Device For Cast & Ductile Iron Frames & Grates	DA0642BH	
☐	6 1/4 x 24 Catch Basin	DP0750	
☐	12 x 24 Catch Basin	DP0751	
☐	24 x 24 Open Bottom Catch Basin	DP0753OB	
☐	24 x 24 Solid Bottom Catch Basin	DP0753SB	
☐	Extender Panels	DP0660	
☐	Shovel Head	DA0661	
☐	4" Strainer (For Bottom/End Outlet)	DA0662	
☐	End Cap (Inlet/Outlet)	DA0670M/DA0670	
☐	Channel Adaptor (Male/Female)	DP0699M/DP0699F	