STEGMEIER LLC

Product Submittal Sheet

DRAINAGE SOLUTIONS, INC
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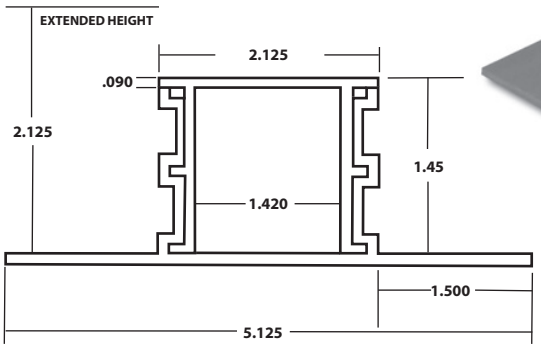
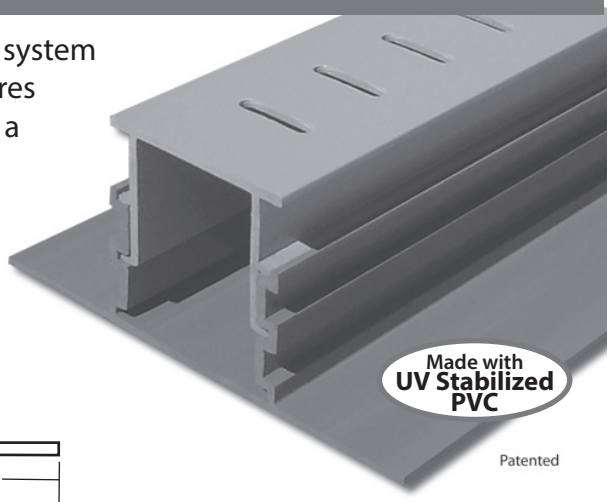
ADJUSTABLE HEIGHT PAVER DRAIN

The Adjustable Height Paver Drain is a dual-elevation deck drain system used for the installation of paver decks. This unique design features a top cap that can be lapped past the joints for rigidity as well as a tray built into the base to set the pavers on.





FLOW RATE:

Drain Calculations

Assumptions/ Constants:

Gradient - Slope (S) 1 in 200 (0.5%)	0.005 ft/ft, Contains UV inhibitors
Surface Roughness (Mannings n)	0.009 Plastic (PVC & ABS)
Rainfall Intensity (1) (TxDOT Manual)	5.8 in/hr for 10 year storm with time of concentration = to time of duration of 20 min.
Runoff Coefficient (C) (TxDOT Manual)	0.95 For concrete city streets 0.9 - 0.95 - i.e. all concrete pool deck

DRAIN NAME	Area A (ft²)	Wetted Perimitter P (ft)	Hydraulic Radius R (ft)	Velocity V (ft/s)	Capacity - Q			Catchment Area - A			Length (ft)
					(cfs)	(liters/sec)	(gal/min)	(Acre)	(ft²)	(m²)	
ADJ. HEIGHT PAVER DRAIN-LOW	0.014	0.349	0.039	1.352	0.019	0.5	8.3	0.003	146	14	1
ADJ. HEIGHT PAVER DRAIN-HIGH	0.020	0.454	0.044	1.459	0.029	0.8	13.1	0.005	230	21	1

Notes/Equations:

1. Above Catchment area based upon 1 foot, 1 meter, etc of the drain section.
2. R = A/P
3. v = (1.49/n)*(R)^(2/3)*(S)^(1/2)
4. Q = vA
5. A = Q/CI

Cartons includes: 8 pcs. 10' base, 8 pcs. 10' Top Cap and 8 Couplers.

Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax: