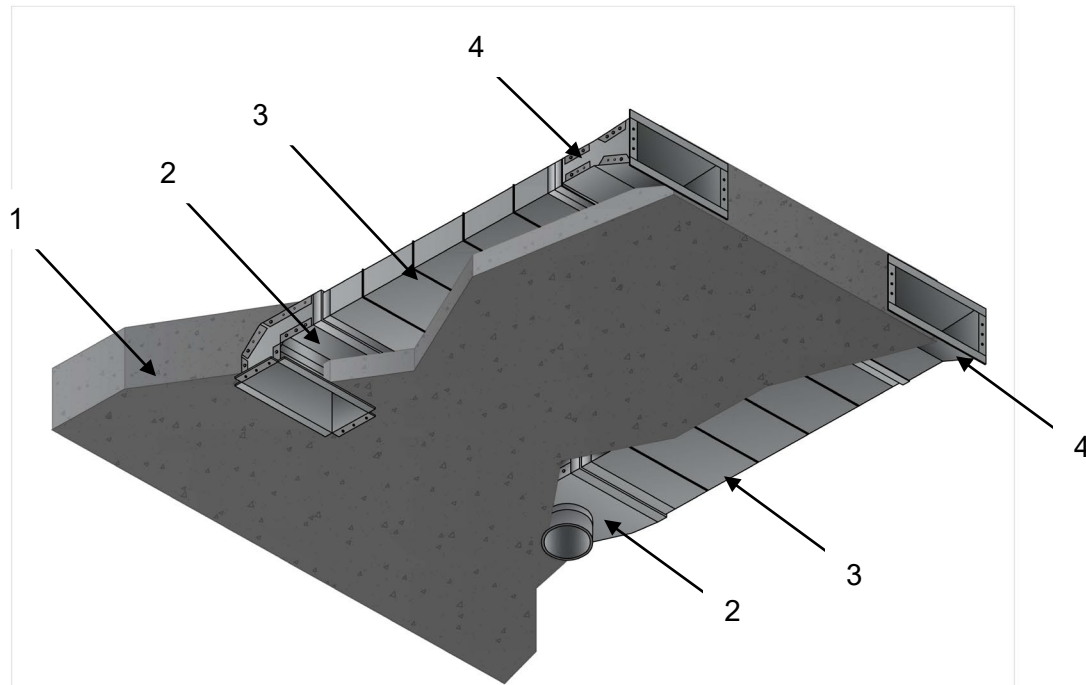


QAI Design B1121-1 – DDK
CAN/ULC S115 / ASTM E814 Fire Stop Systems



DDK VENTILATION PRODUCTS FIRE STOP SYSTEM RATINGS		
Concrete Thickness	Fitting Description	FTH RATING
152 mm (6 inch)	DDK fire stopped inlet boots,1 intumescent layer	60 minutes
	DDK fire stopped inlet boots,2 intumescent layers	120 minutes
159 mm (6-1/4 inches)	DDK fire stopped inlet boots,1 intumescent layer	120 minutes
203 mm (8 inches)	DDK inlet boot, no intumescent	120 minutes
	DDK fire stopped inlet boots,2 intumescent layers	180 minutes

No.	COMPONENT	DESCRIPTION	
1	Concrete Slab	Approved Types:	Minimum 25 MPa (3,500 psi) compressive strength at 28 days, with 9.5 mm (0.375 in.) to 14 mm (0.55 in.) rock aggregate.
		Thickness:	See Table above.
		Installation:	Design and installation to be done in accordance with applicable code, with rebar placement below the duct assemblies.
2	Inlet Boot	Approved Types:	DDK rectangular boot of maximum 305 mm (12 in.) length, 152 mm (6 in.) width, and 44.5 mm (1.75 in.) depth composed of galvanized steel. DDK Circular boot of maximum 152 mm (6 in.) diameter composed of galvanized steel.
		Thickness:	Minimum 26 Gauge.
		Installation:	Inlet boots are fixed in position prior to concrete placement. Inlet boots by DDK are delivered to the jobsite incorporating intumescent.
3	Slab Duct	Approved Types:	DDK duct of maximum 44.5 mm (1.75 in.) high by 308 mm (12 in.) width composed of galvanized steel.
		Installation:	Installation to be done with ABS chairs along the duct inlet and outlets, fixed during concrete placement.
4	Discharge (Outlet) Boot	Approved Types	DDK rectangular boot of 305 mm (12 in.) length, 152 mm (4 in.) discharge opening size.
		Installation:	Placement of outlet boot is required prior to placement of concrete.