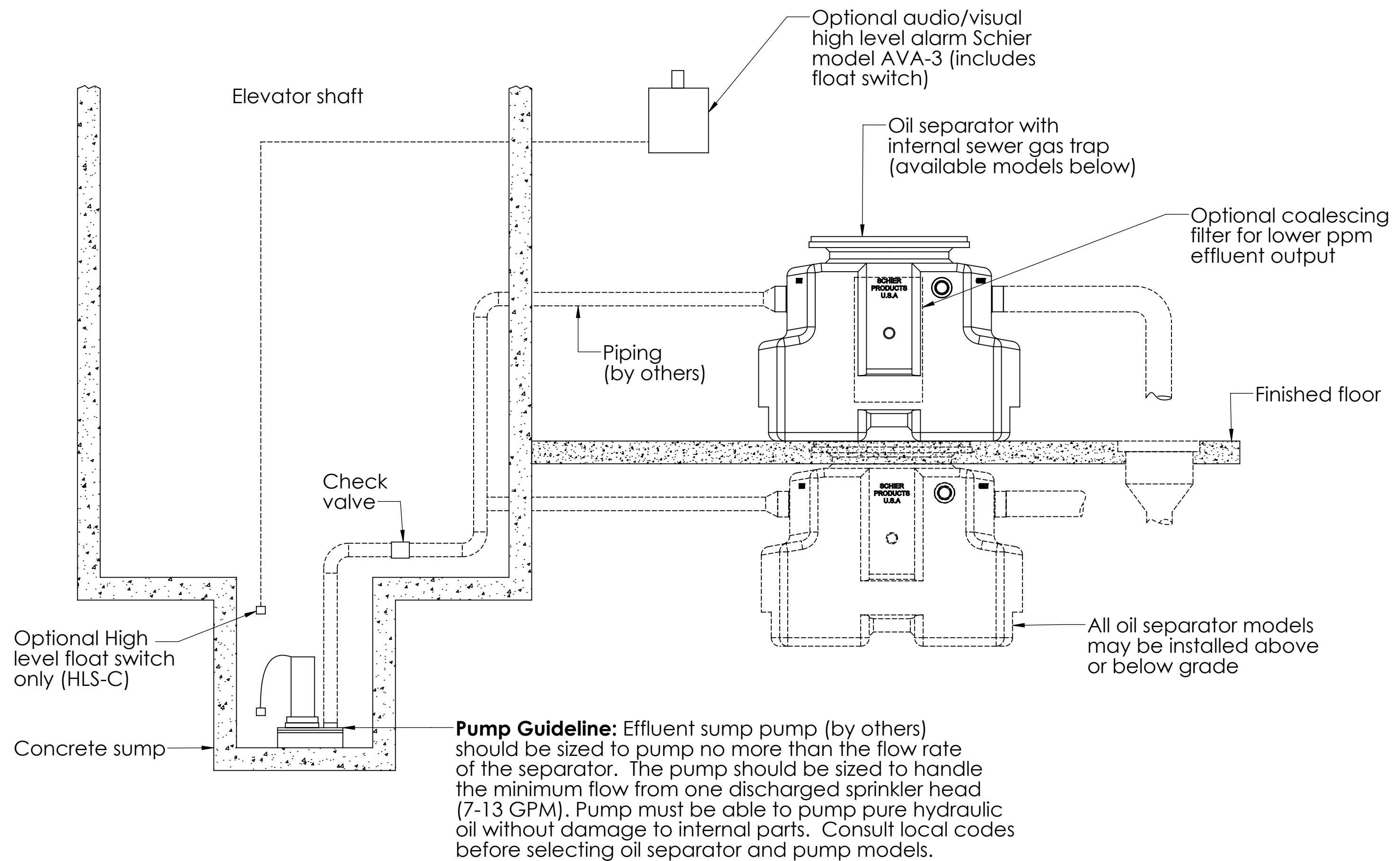


Elevator Sump Oil Separator Detail

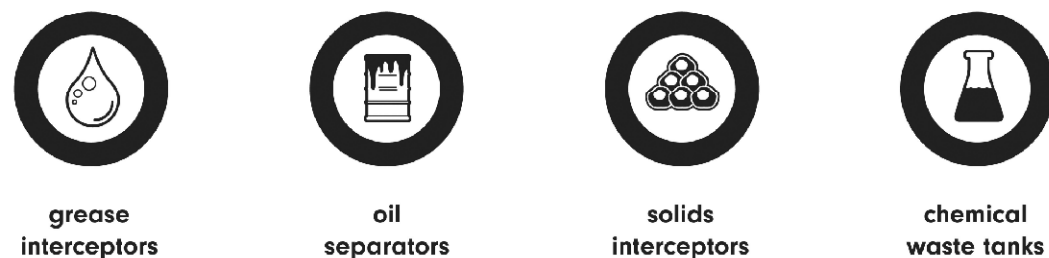


NOTE: Per requirements of the International Building code (IBC) and A17.1, all new elevators require Fireman Emergency Operation (FEO). Elevators with FEO must provide drainage of the hoistway (this typically requires a pump as the hoistway sump is usually below sewer connections). To avoid sewer gas buildup, the IBC does not allow the hoistway drain to connect directly to the sanitary or storm sewer. Neither the IBC nor A17.1 standard provide guidance for the sizing of the drain or pump. Since the intent is to keep water out of the hoistway to enable FEO, best practice is that the pump should minimally be sized for the flow rate of one discharged sprinkler head (7-13 GPM). Neither the IBC nor the A17.1 standard requires oil separators for hoistway drainage. However, nearly all wastewater jurisdictions regulate oil discharge to the sanitary and storm sewers. This detail serves to satisfy the requirements of the IBC code, the A17.1 standard and local wastewater requirements.

Oil Separator Options

(for unit specifications refer to drawing on Schier Products website)

- PSOS-25: 25 gpm, 15 gallon oil capacity
- PSOS-35: 35 gpm, 18 gallon oil capacity
- PSOS-50: 50 gpm, 30 gallon oil capacity
- OS-75: 75 gpm, 62 gallon oil capacity
- OS-100: 100 gpm, 125 gallon oil capacity



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DESCRIPTION:		
ELEVATOR SUMP OIL SEPARATOR DETAIL		
PART NUMBER:		MATL:
DWG BY: TEU	DATE: 6/30/10	REV: 0

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