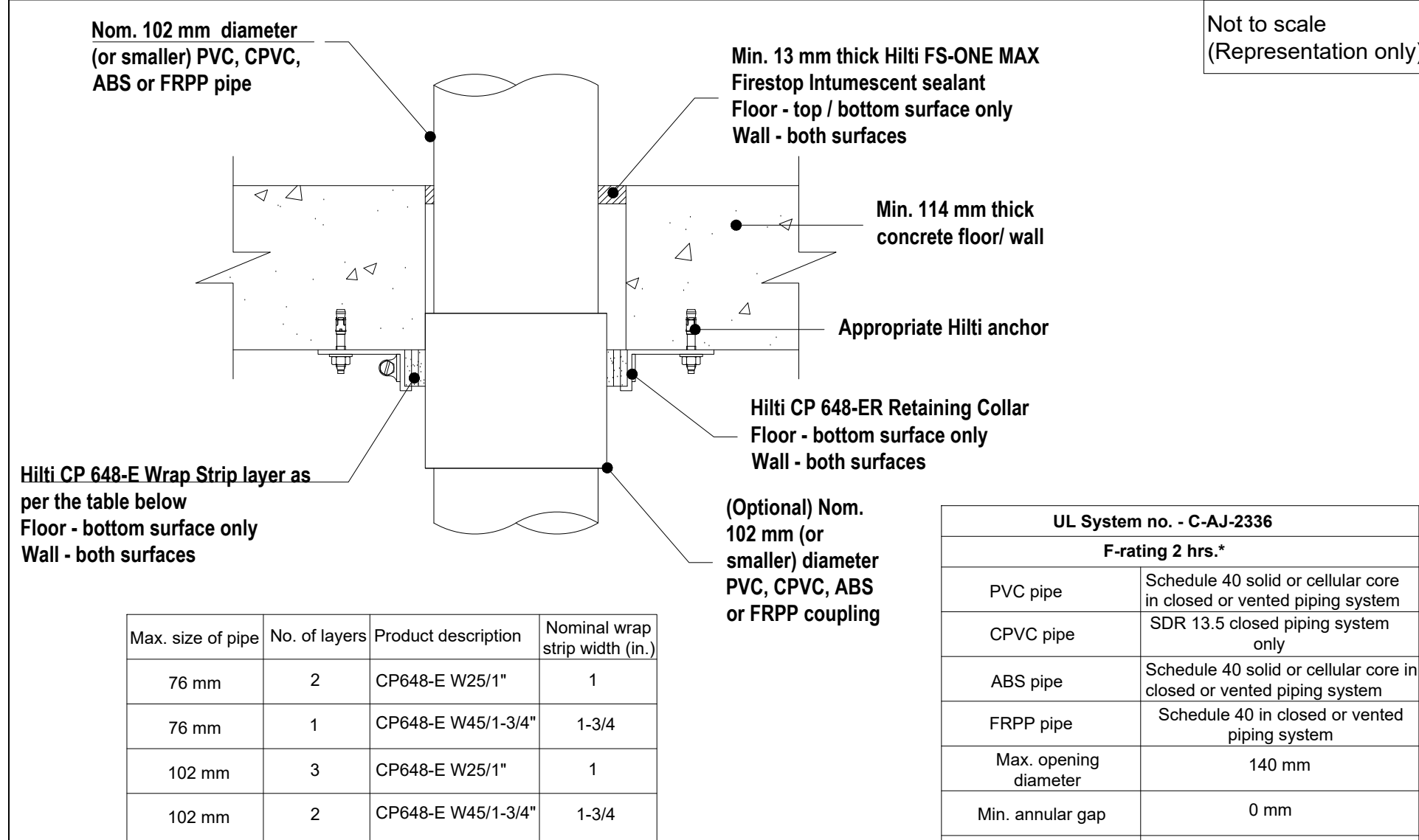
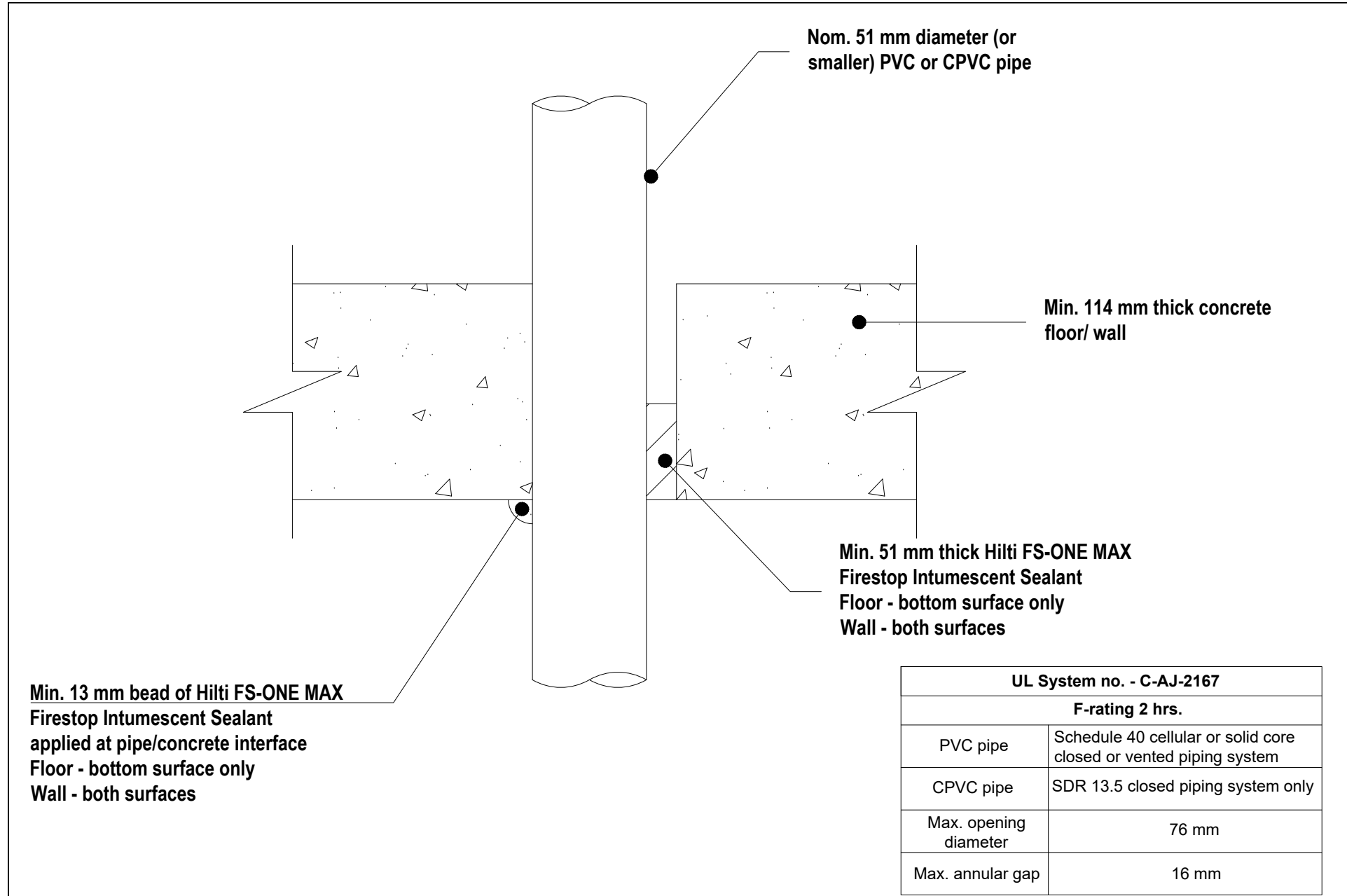
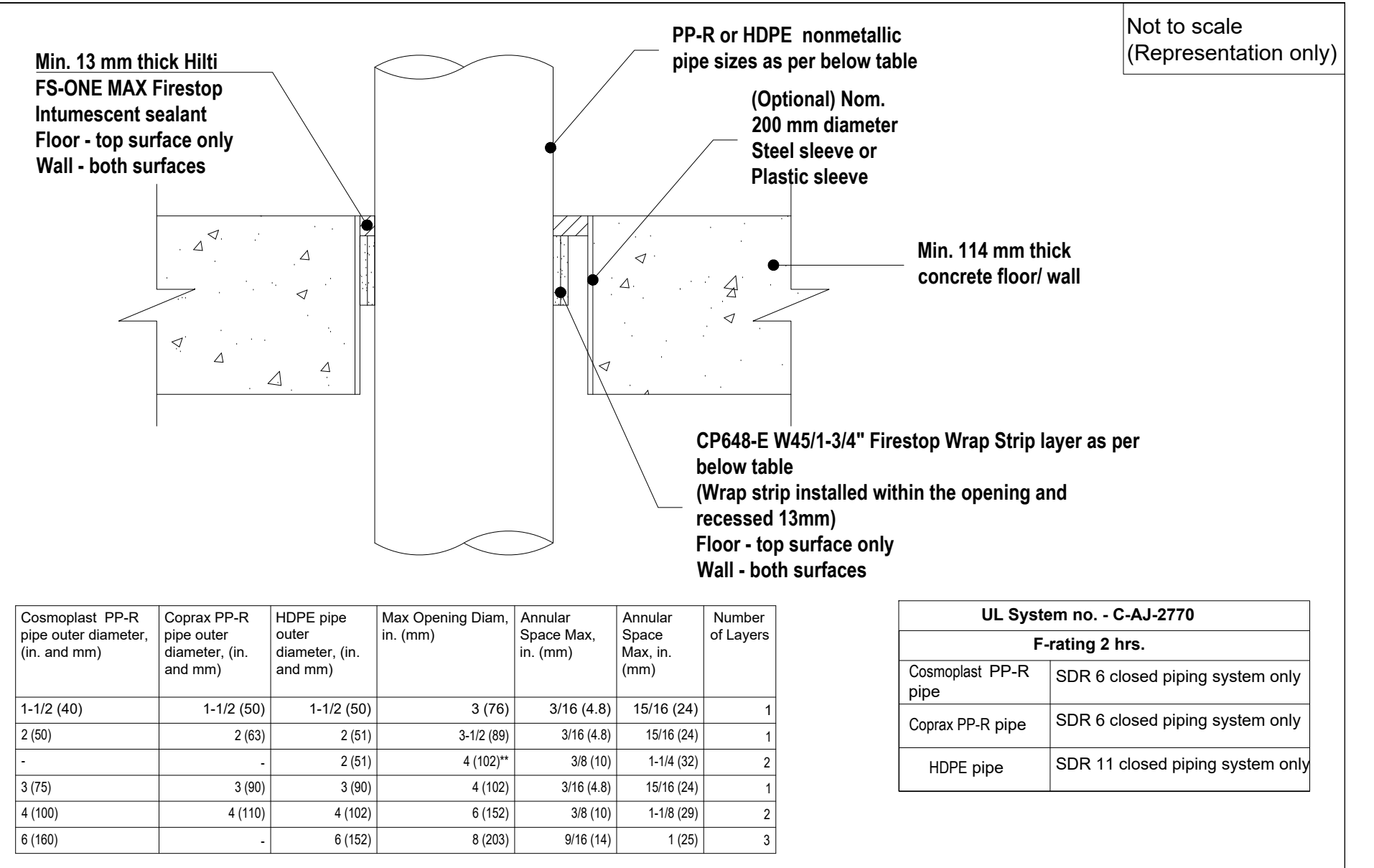
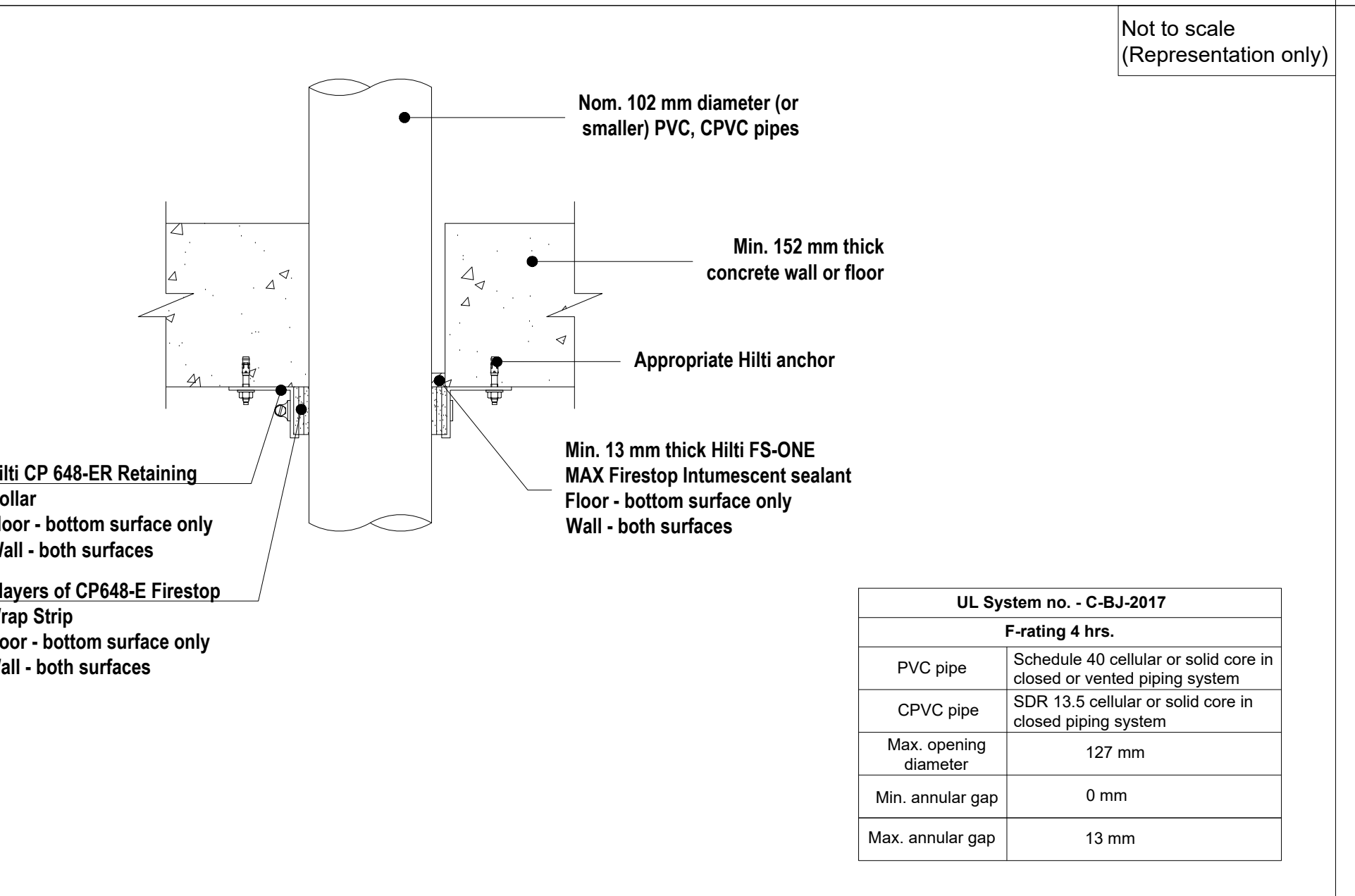
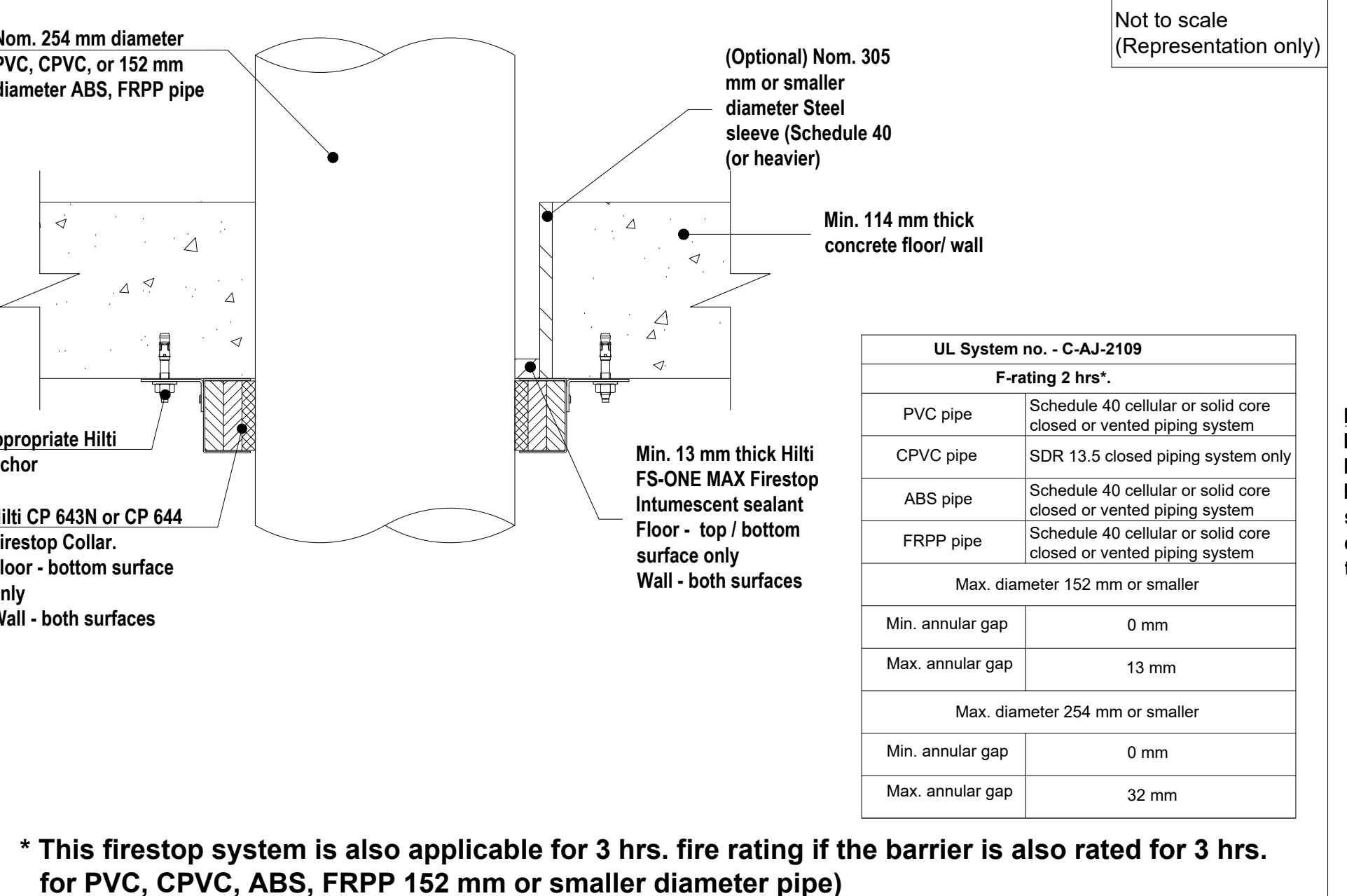
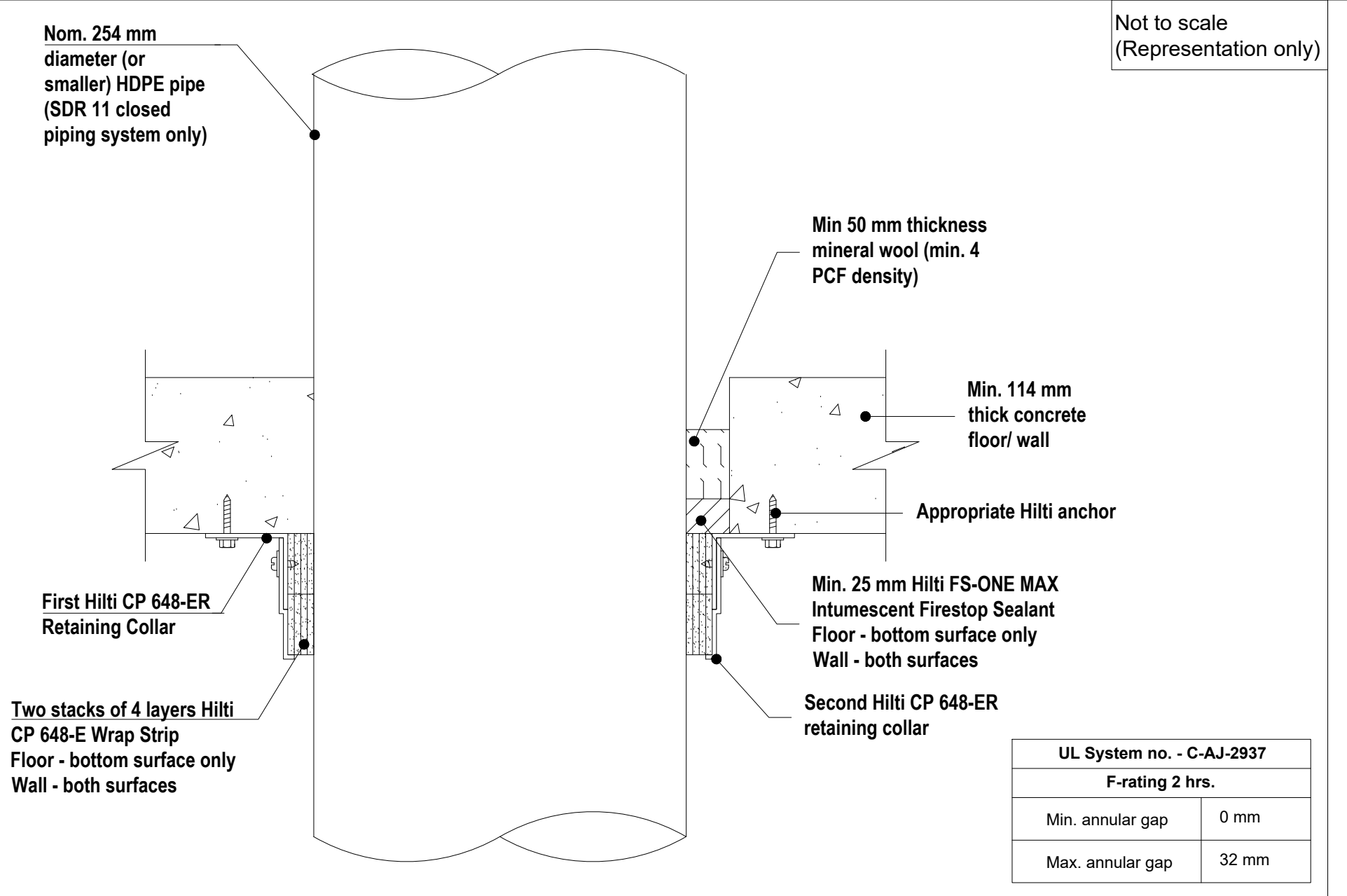
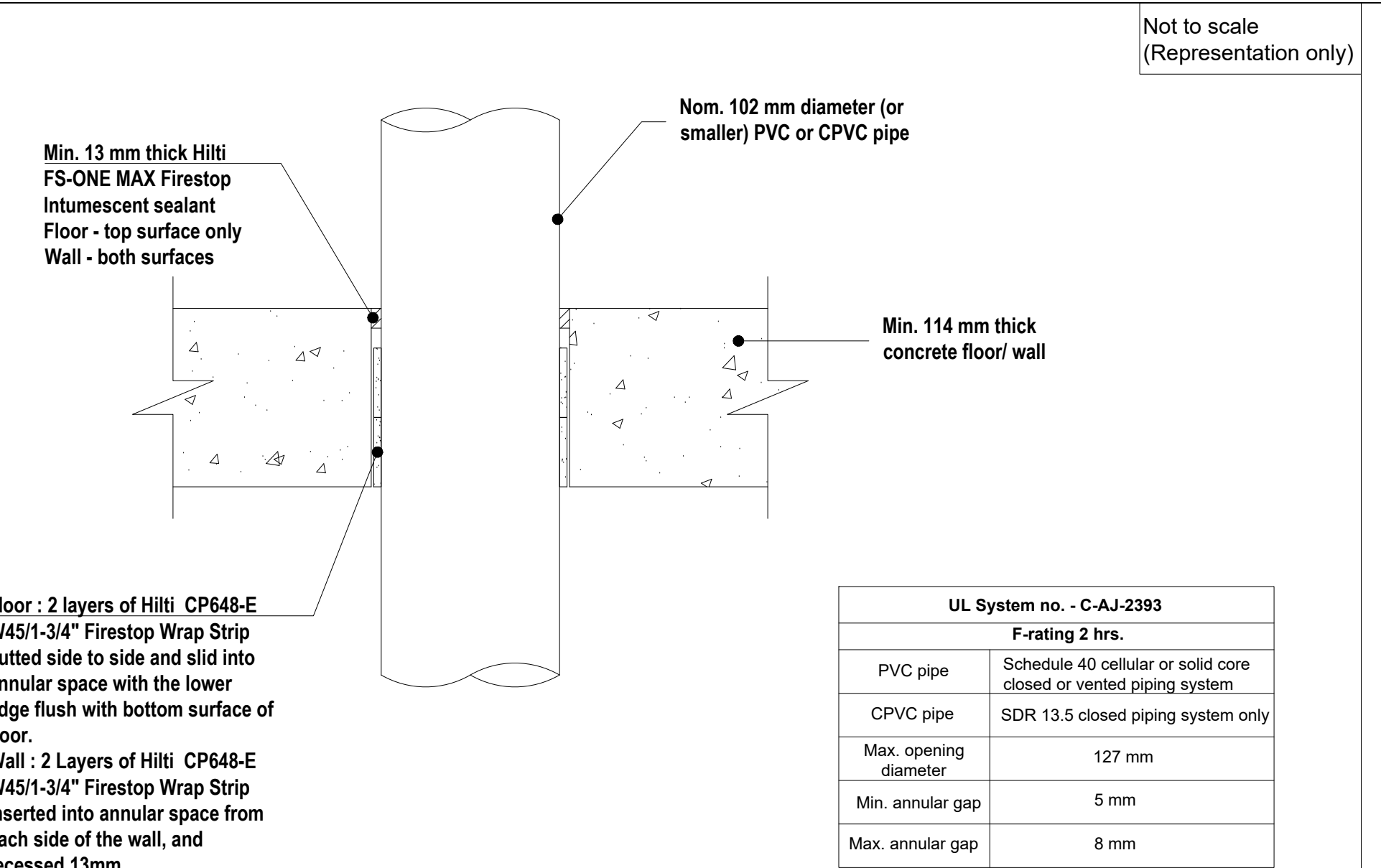
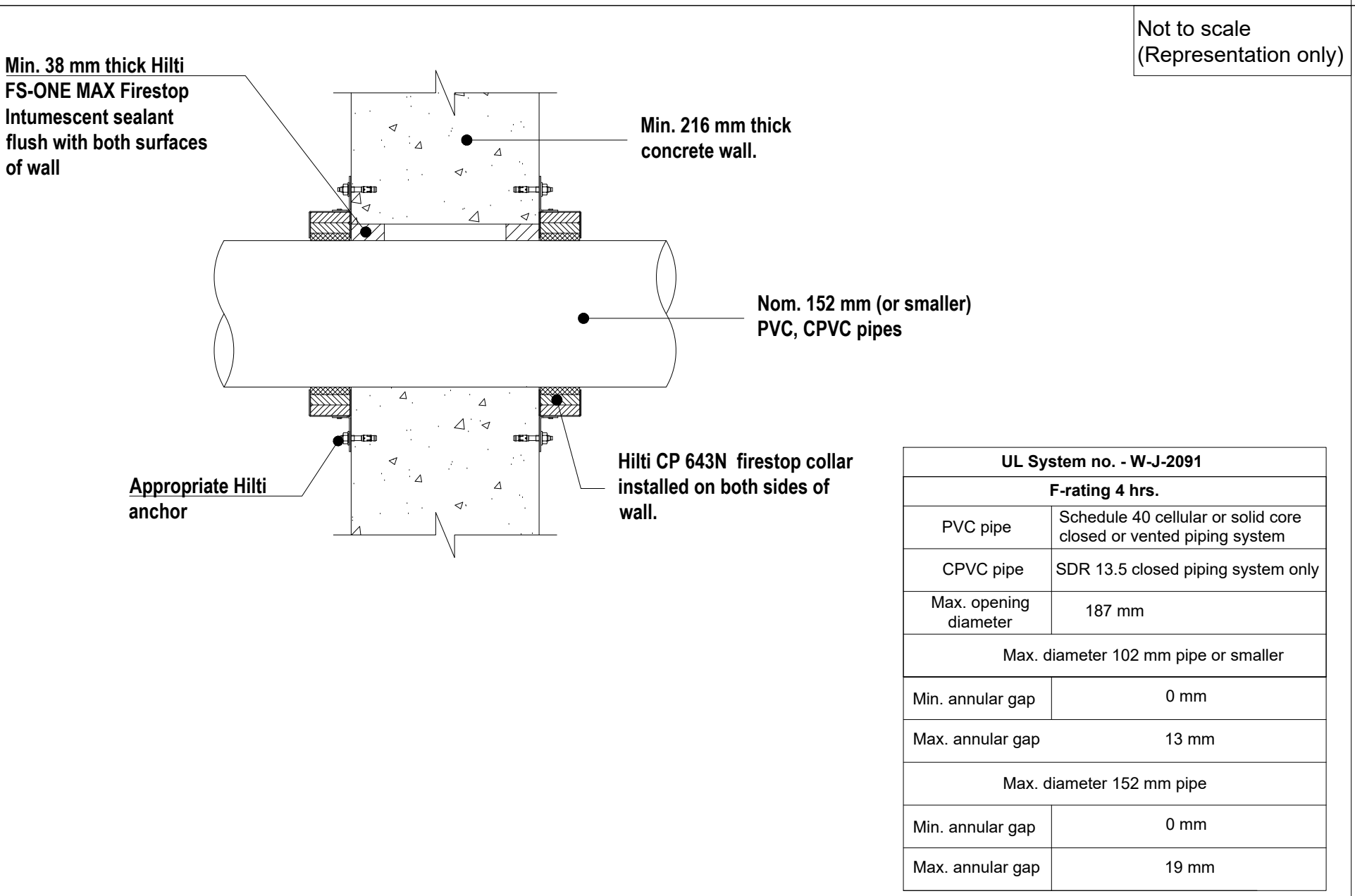
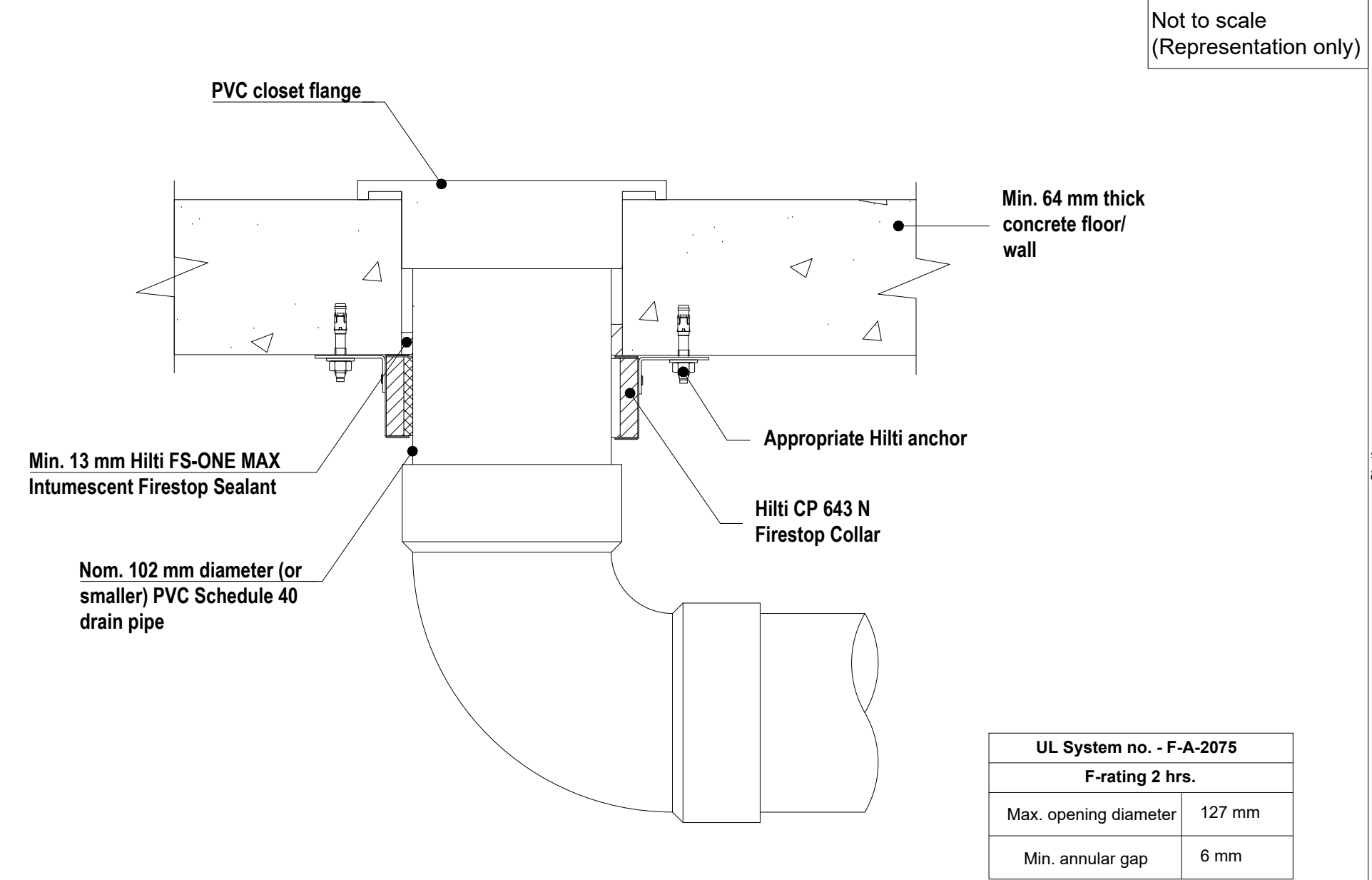
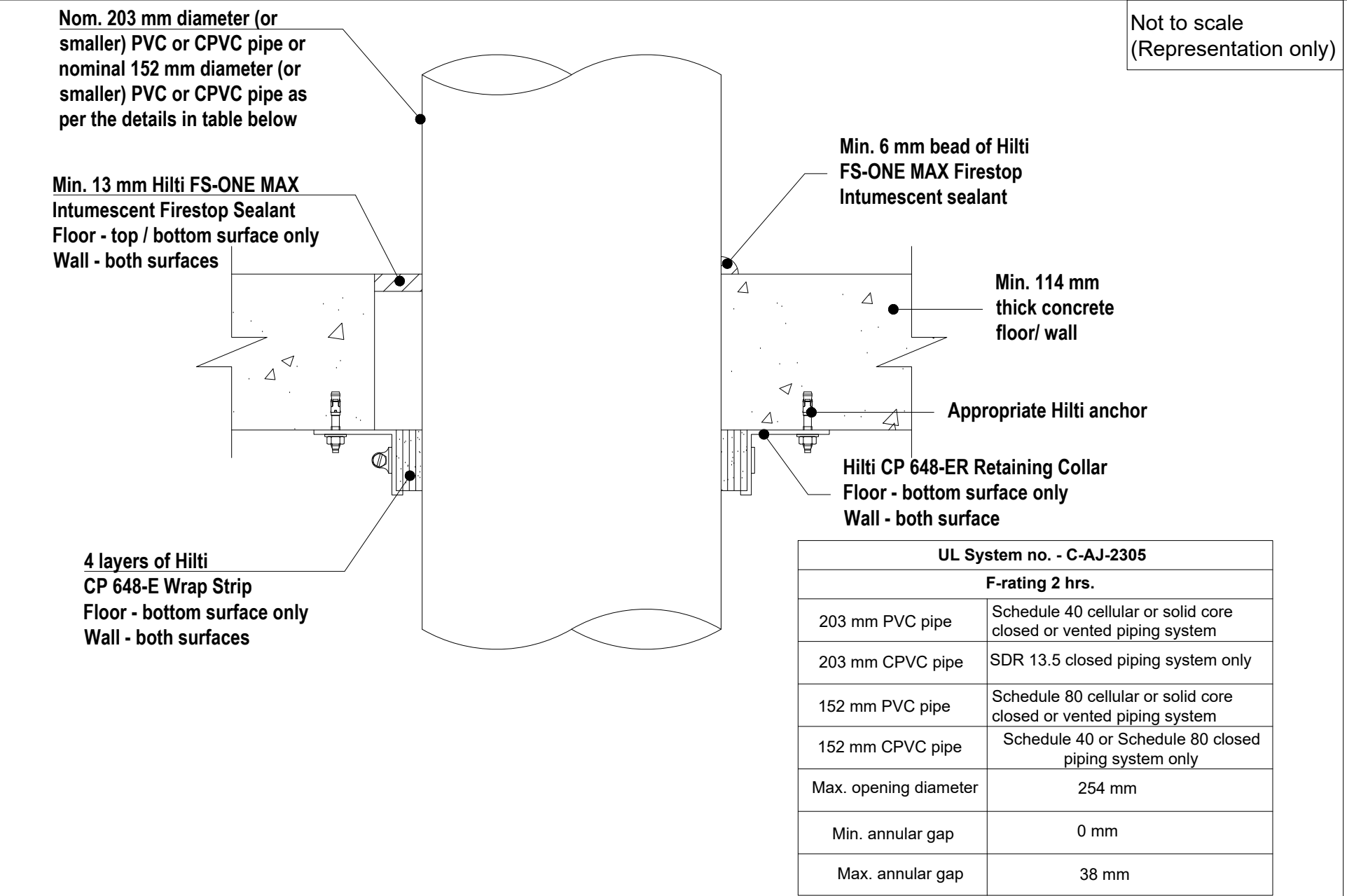
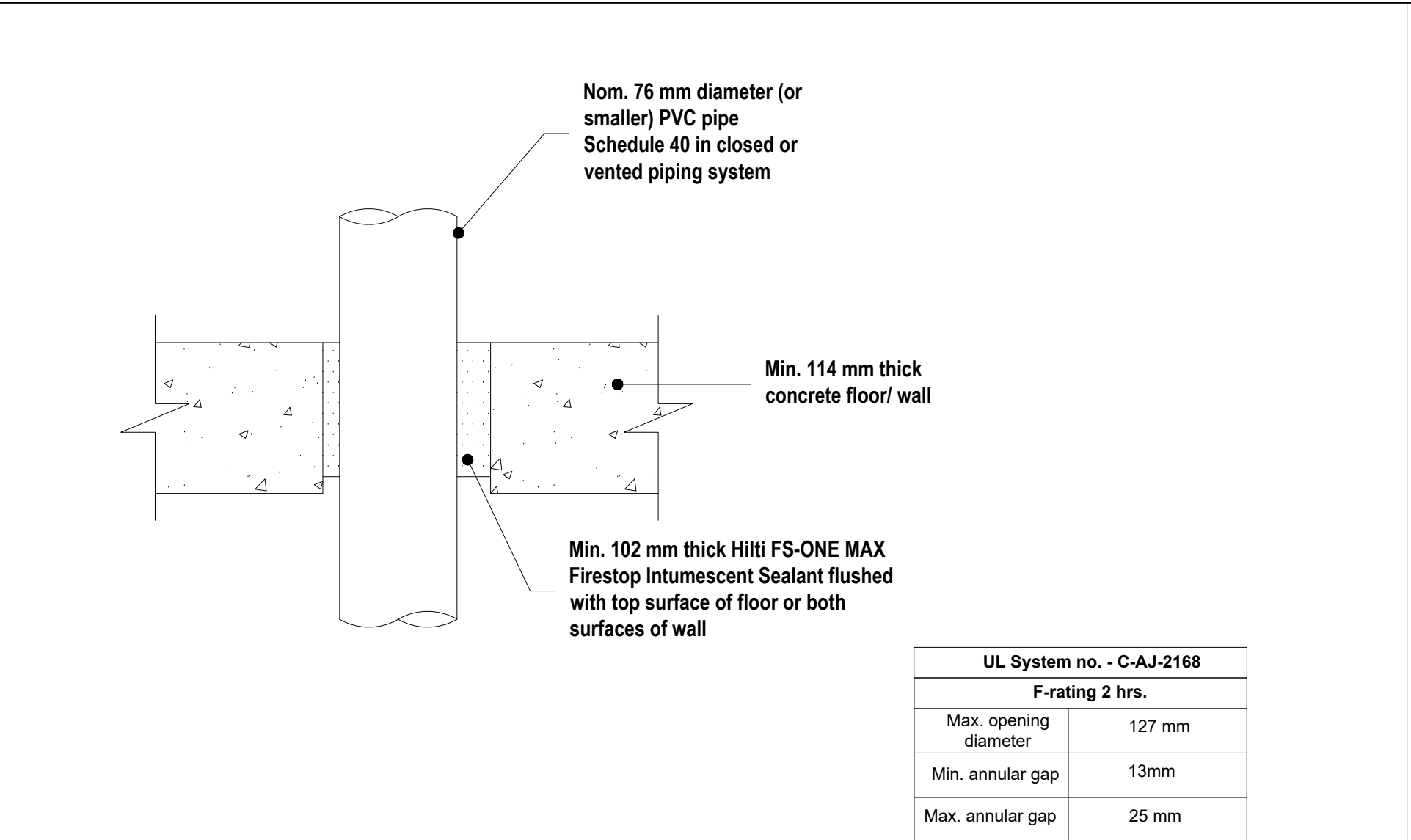
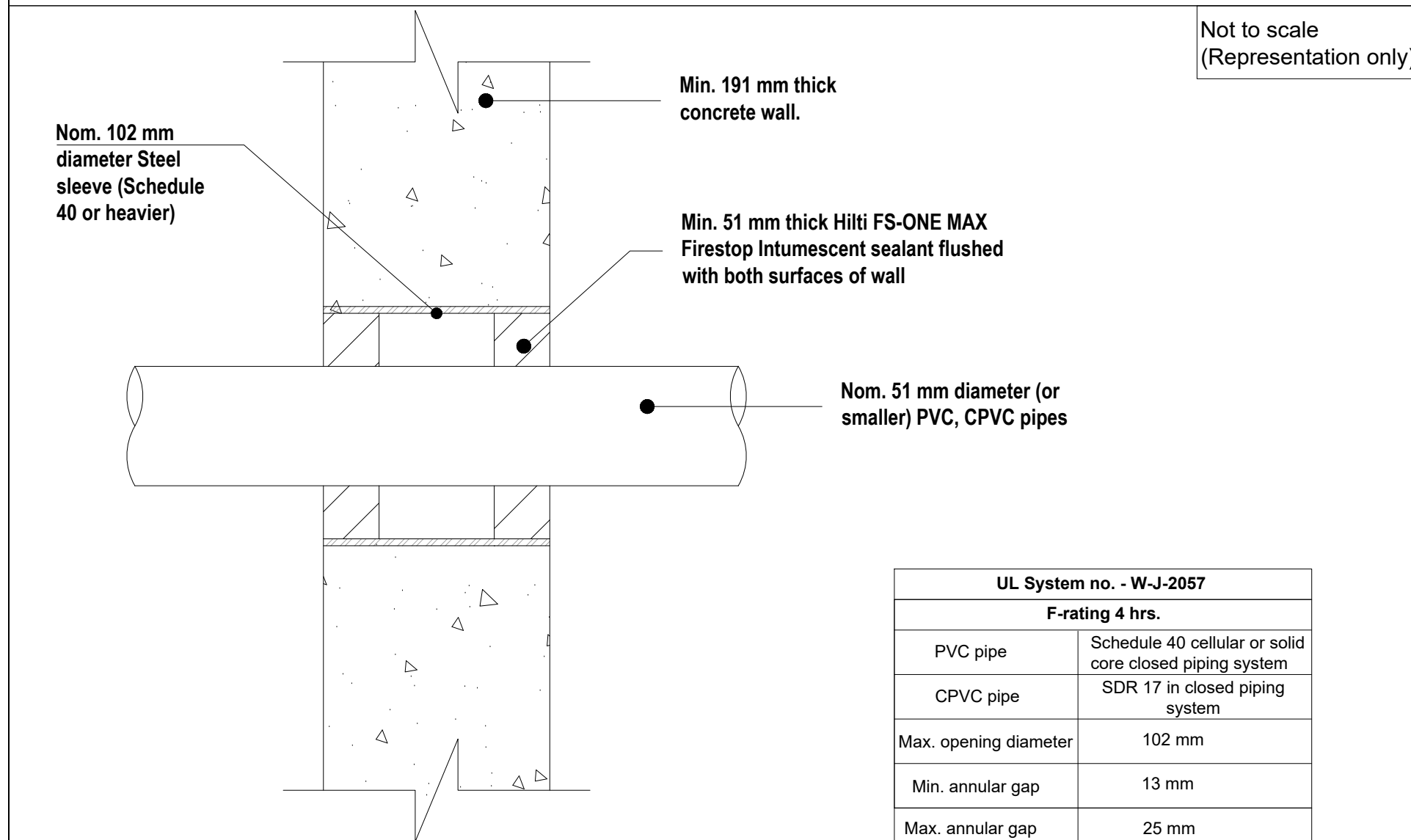
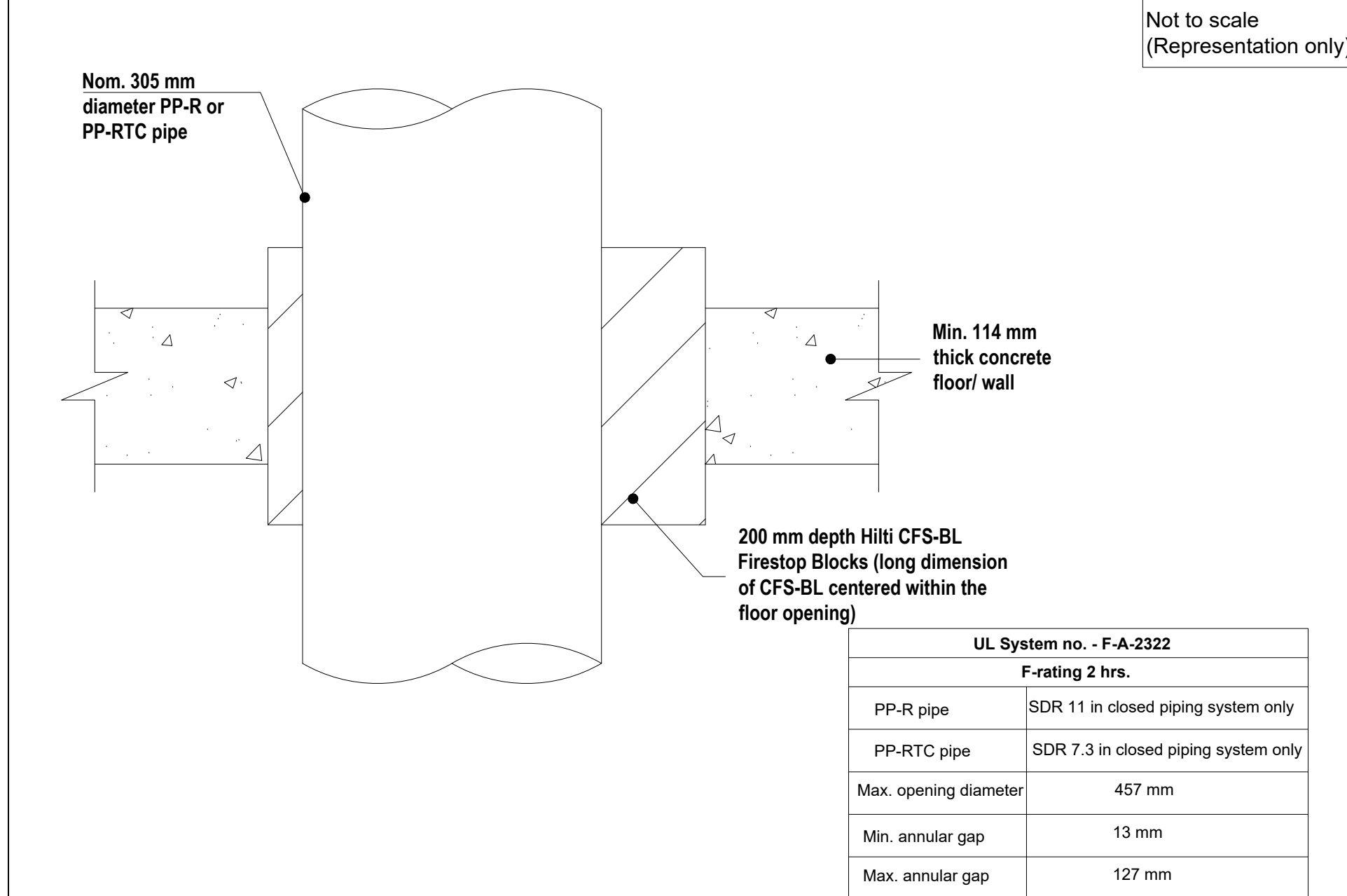
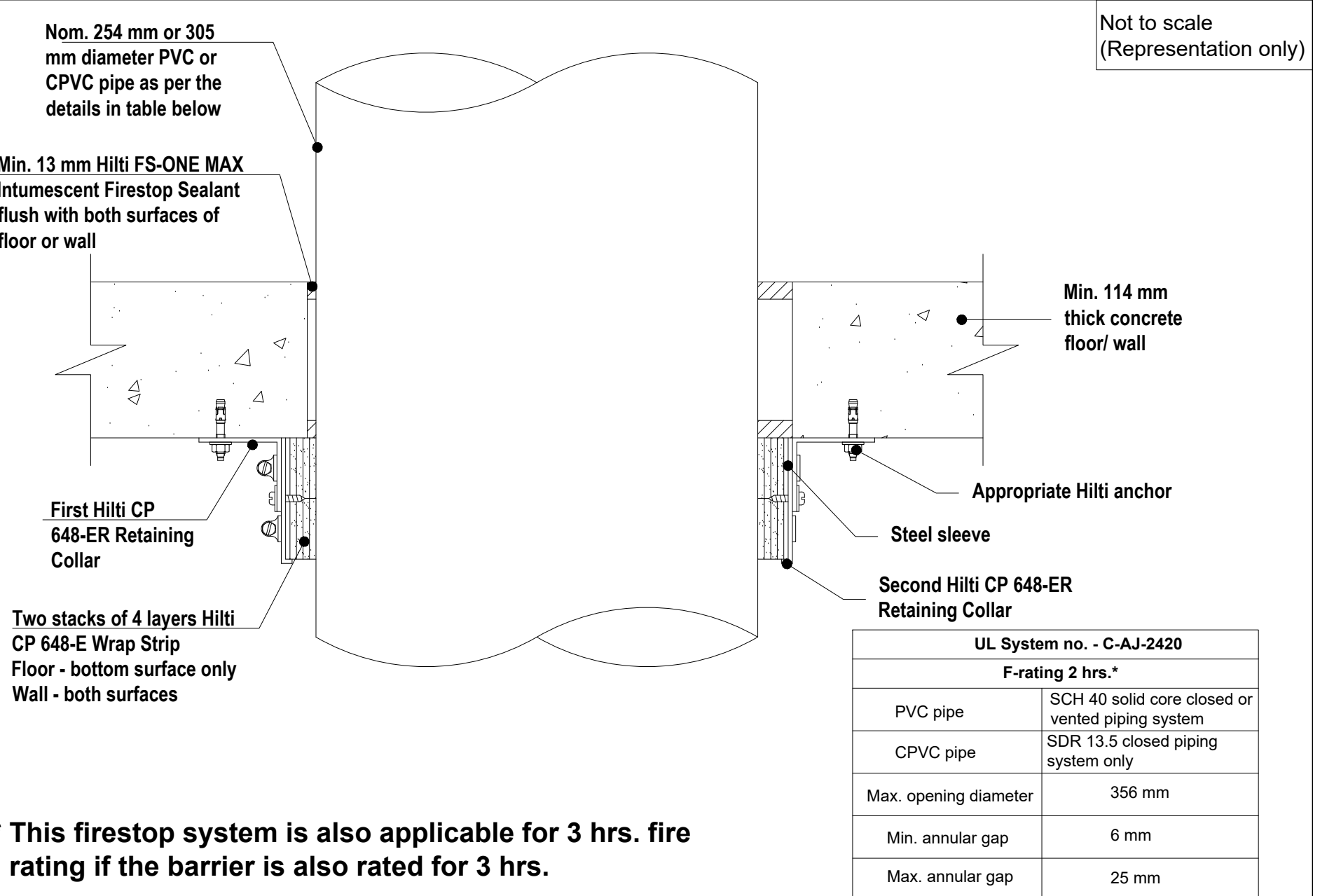




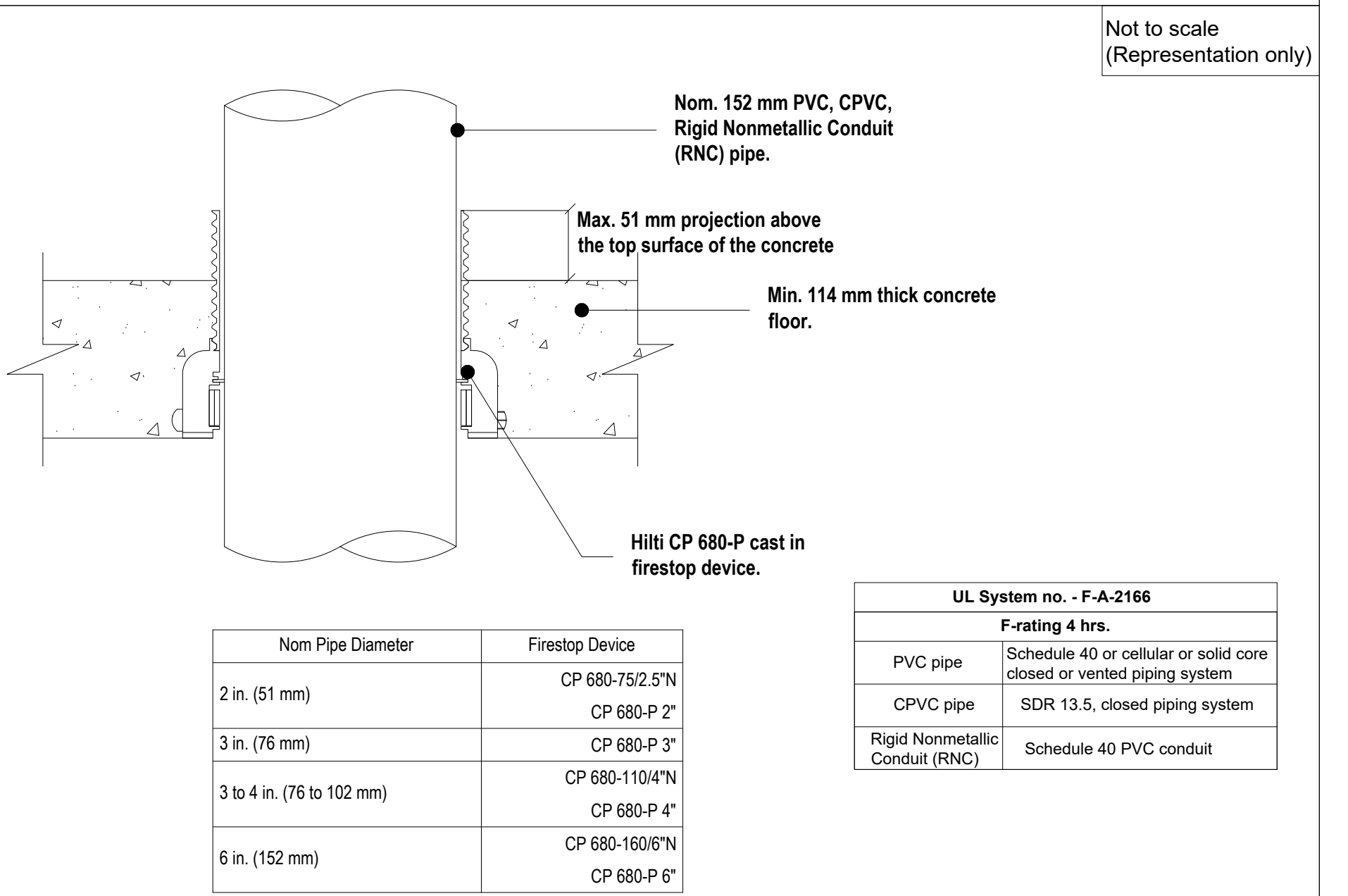
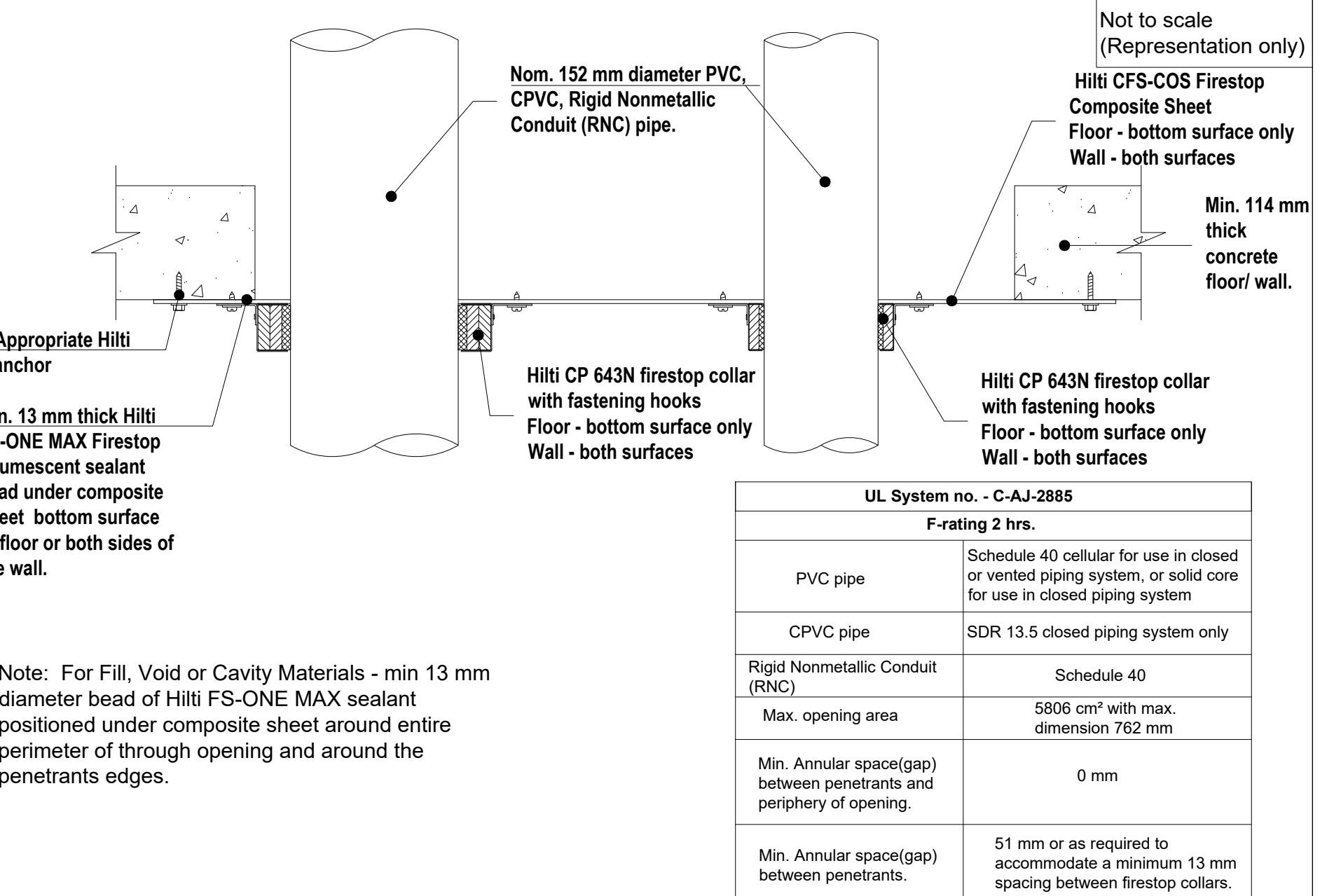
* This firestop system is also applicable for 3 hrs. fire rating if the barrier is also rated for 3 hrs.



**Applicable to Plastic sleeve only when opening is sleeved.



* This firestop system is also applicable for 3 hrs. fire rating if the barrier is also rated for 3 hrs.



DISCLAIMER:

- These are general drawings representing application of Hilti products and are not to be considered as designs.
- Fire rating of assembly is dependent on the performance of all components of the system in the actual conditions.
- For fire rating in actual site conditions, proper dimensions and number of penetrants – pipes, cable trays, ducts, insulation must be provided.
- Where UL systems cannot cover the application, an engineering judgement request must be raised.
- Hilti shall not incur any obligation or liability for any loss, expense or damages, including incidental or consequential, arising out of or in connection with the use, interpretation of, or application based on these drawing templates.



Hilti Asia Pacific Private Limited
80 Pasir Panjang Road | #16-83/84
Mapletree Business City | Singapore 117372