

Testing. Advising. Assuring.

EWFA CERTIFICATE OF ASSESSMENT	CERTIFICATE No : SFC 21968-07	Page 1 of 9
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Report Sponsor	Certificate Issue Date	Product Name
Hilti Australia Pty Ltd 1G Homebush Bay Drive Rhodes NSW 2138	06/03/2018	Hilti CP 680 110/4" S + CP 680N 110/4" N-RAD Cast-in Firestop Collar system

Assessment Report Reference	Test Methods	Report Issue Date	Report Validity Date
EWFA 21968-07	AS1530.4-2014	06/03/2018	31/03/2023

Introduction

The element of construction described below was assessed by this laboratory on behalf of the report sponsor in accordance with the stated test standard and achieved the results stated below. Refer to the referenced assessment report(s) or Regulatory Information Report(s) for a complete description of the assessed construction.

Description of Assessed Product and Performance

The scope of the assessment includes the fire resistance performance of a 150mm thick concrete floor penetrated by uPVC plastic pipes and floor wastes protected by a Hilti CP 680 110/4" S + CP 680N 110/4" N-RAD Cast-in Firestop Collar system if tested in accordance with AS1530.4-2014 and assessed in accordance with AS4072.1-2005.

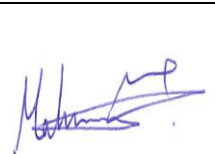
Application	Pipe Material	Pipe Outer Diameter	Pipe Wall Thickness	Hilti Collar System	FRL
Floor Waste (Straight Pipe) Figure 1 and 2	uPVC	110mm	3.2mm	CP 680 110/4" S + CP 680 110/4" N-RAD	-/240/240
Stack Pipe Figure 3 and 4	uPVC	110mm	3.2mm	CP 680 110/4" S + CP 680 110/4" N-RAD	-/240/240
Stack Pipe Figure 5 and 6	uPVC	110mm	3.2mm	CP 680 110/4" S	-/240/240
Floor Waste (Gully Pipe) Figure 7 and 8	uPVC	110mm	3.2mm	CP 680 110/4" S + CP 680 110/4" N-RAD	-/240/240


Refer to the referenced assessment report(s) or Regulatory Information Report(s) for a complete description of the assessed construction.

Conditions/Validity

- THIS CERTIFICATE IS PROVIDED FOR GENERAL INFORMATION ONLY AND DOES NOT COMPLY WITH THE REGULATORY REQUIREMENTS FOR EVIDENCE OF COMPLIANCE.
- Reference should be made to the relevant test report or regulatory information report to determine the applicability of the test result to a proposed installation. Full details of the constructions and justification for the conclusions given, along with the validity statements, are given in the assessment reports.
- The results of these fire tests may be used to assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all conditions.

TESTING AUTHORITY	Exova Warringtonfire Aus Pty Ltd	
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Authorisation	Prepared By:	Reviewed By:


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Description of Assessed Product and Performance (Continued)

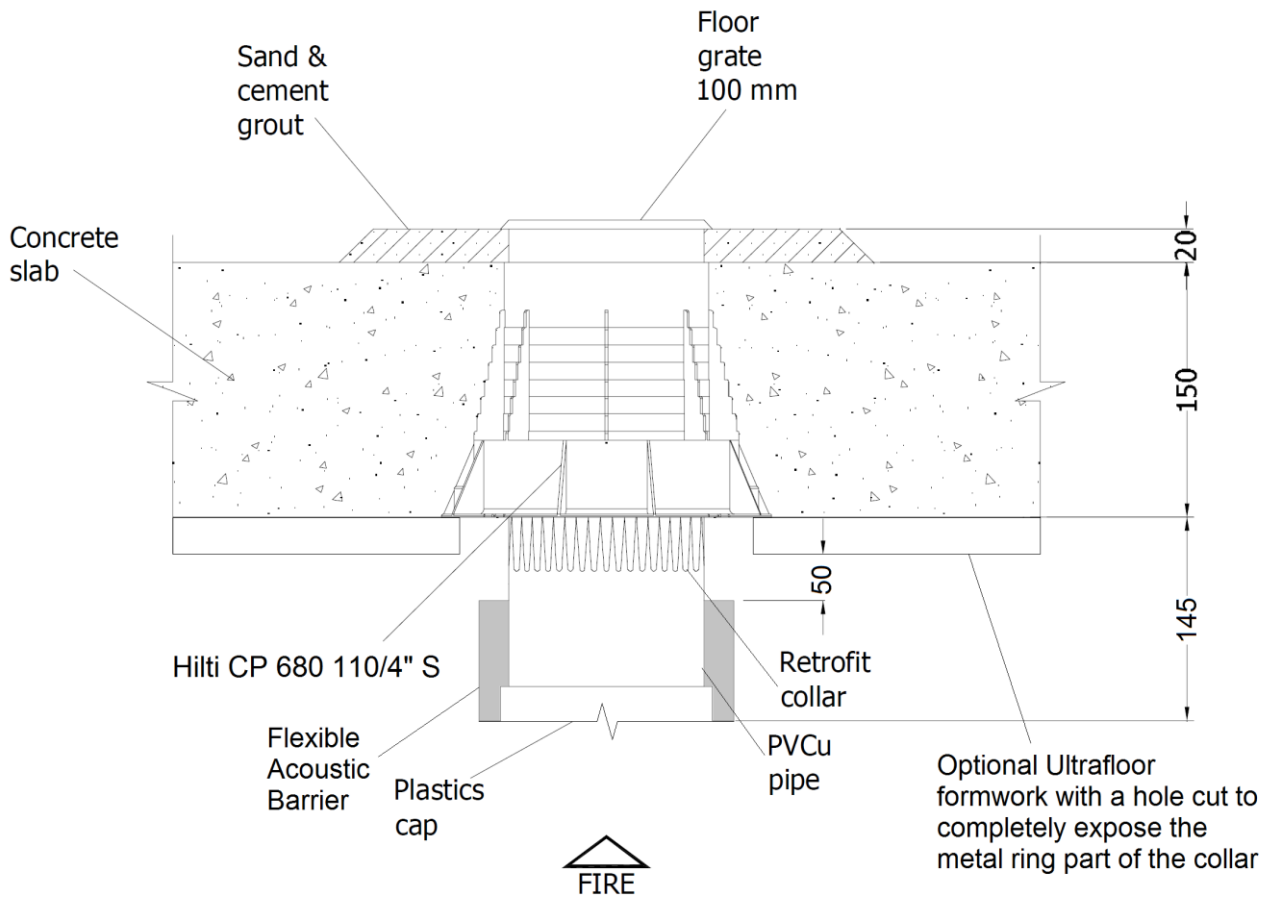


Figure 1 – uPVC floor waste – straight pipe protected with CP 680 110/4" S + CP 680 N-RAD Cast-In Firestop Collar System with Ultrafloor, optional flexible acoustic barrier at least 50mm from underside of Ultrafloor

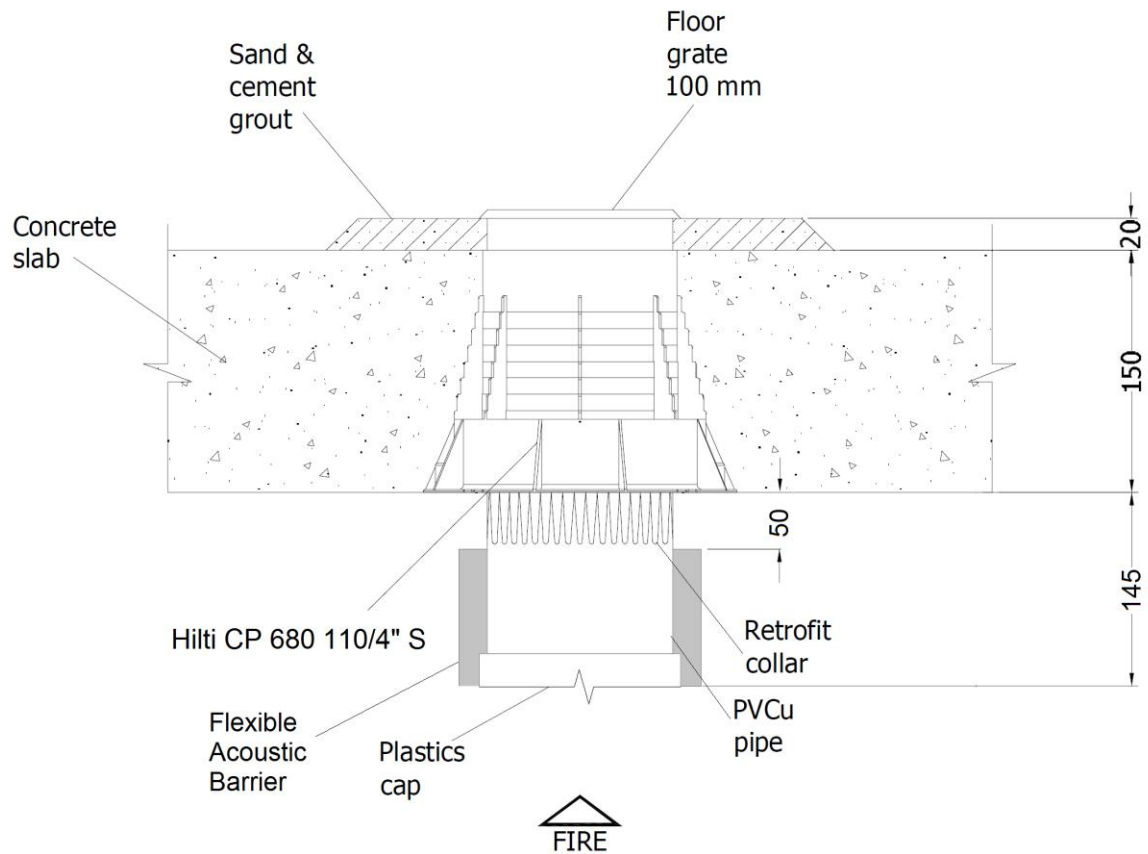


Figure 2 - uPVC floor waste – straight pipe protected with CP 680 110/4" S + CP 680 N-RAD Cast-In Firestop Collar System without Ultrafloor, optional flexible acoustic barrier at least 50mm from underside of concrete slab

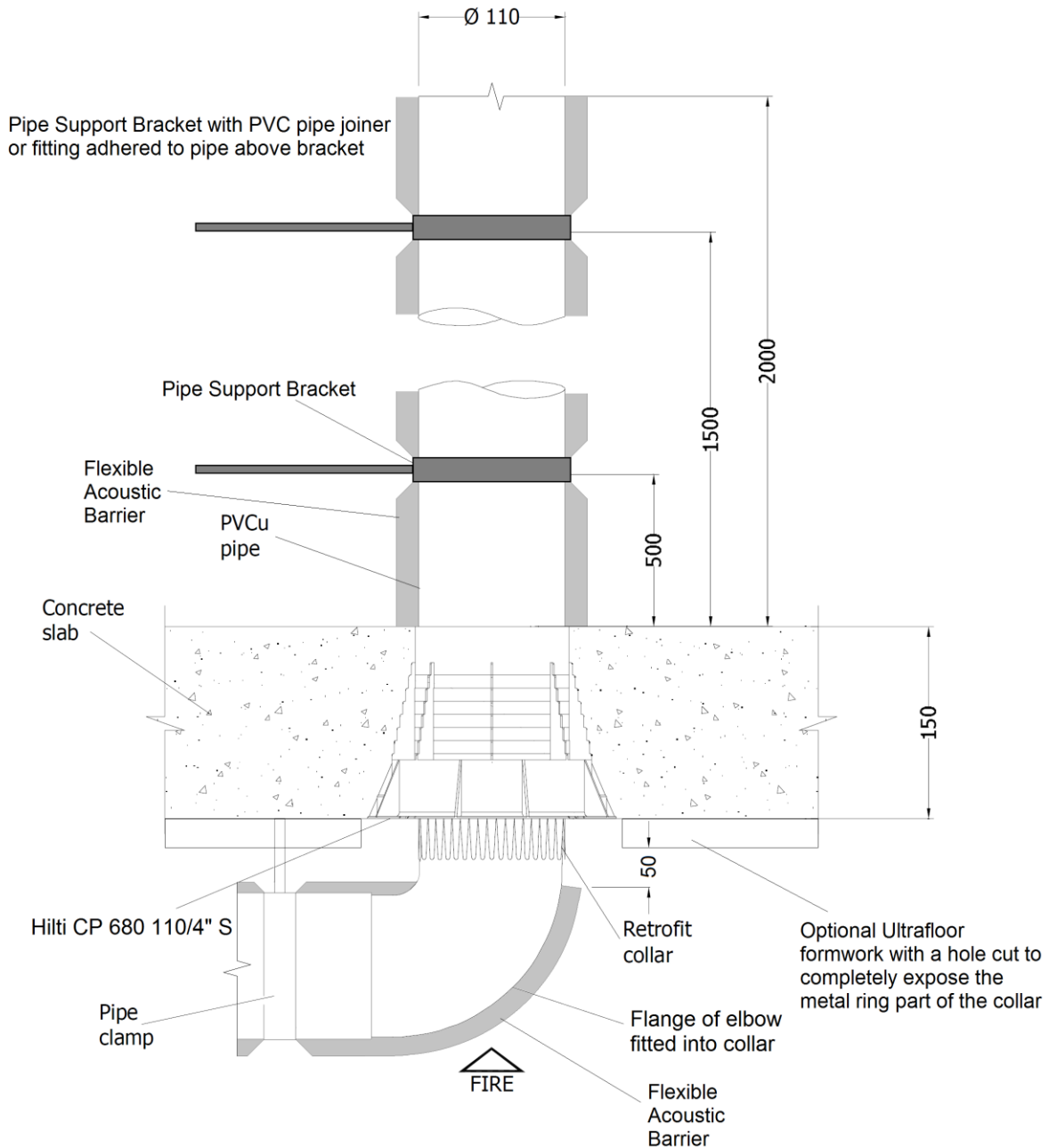


Figure 3 – uPVC pipes flange of elbow fitted into firestop collar protected with Hilti CP 680 110/4" S + CP 680 N-RAD Cast-In Firestop Collar System with Ultrafloor, optional flexible acoustic barrier at least 50mm from underside of Ultrafloor

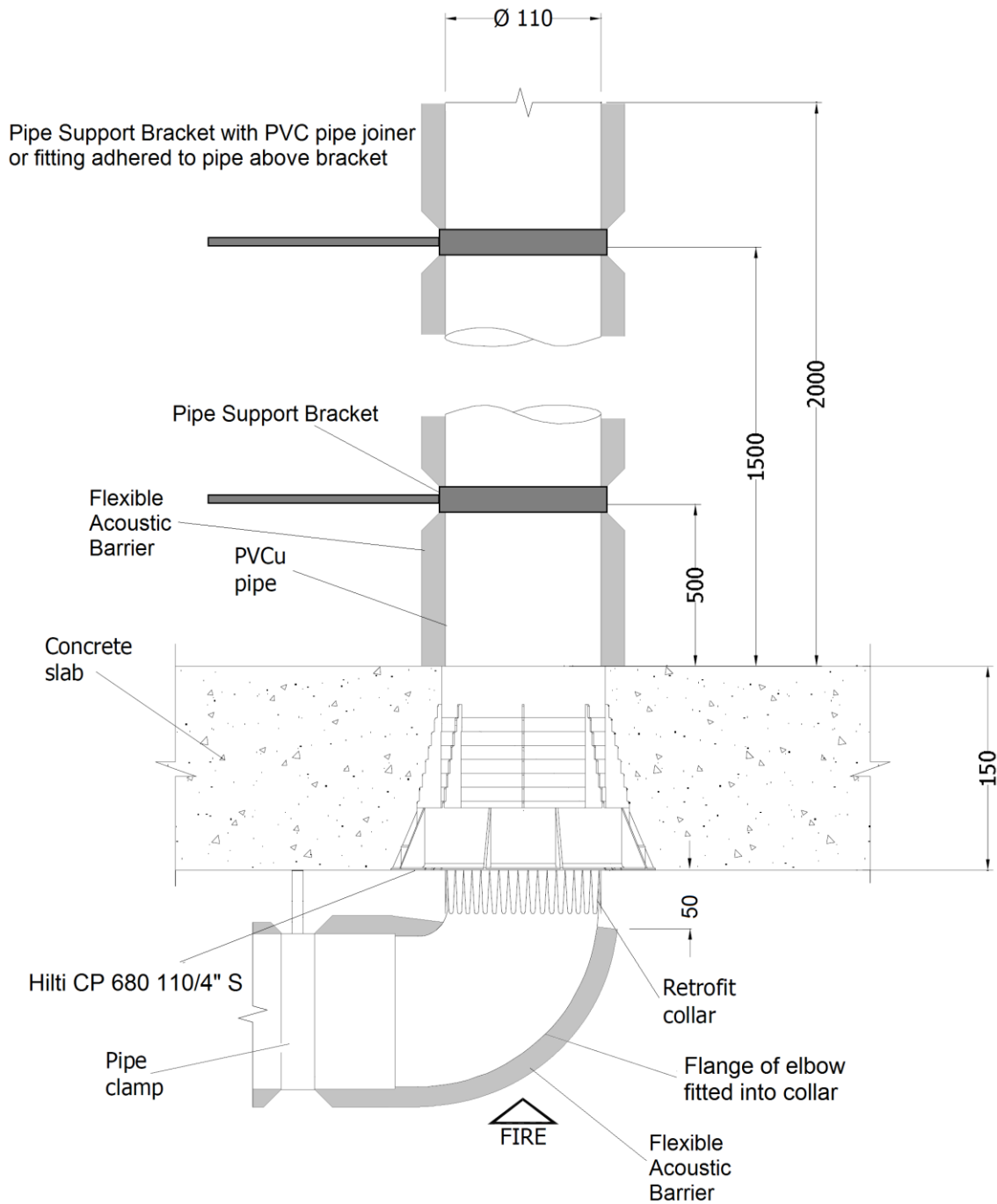


Figure 4 – uPVC pipes flange of elbow fitted into firestop collar protected with Hilti CP 680 110/4" S + CP 680 N-RAD Cast-In Firestop Collar System without Ultrafloor, optional flexible acoustic barrier at least 50mm from underside of concrete slab

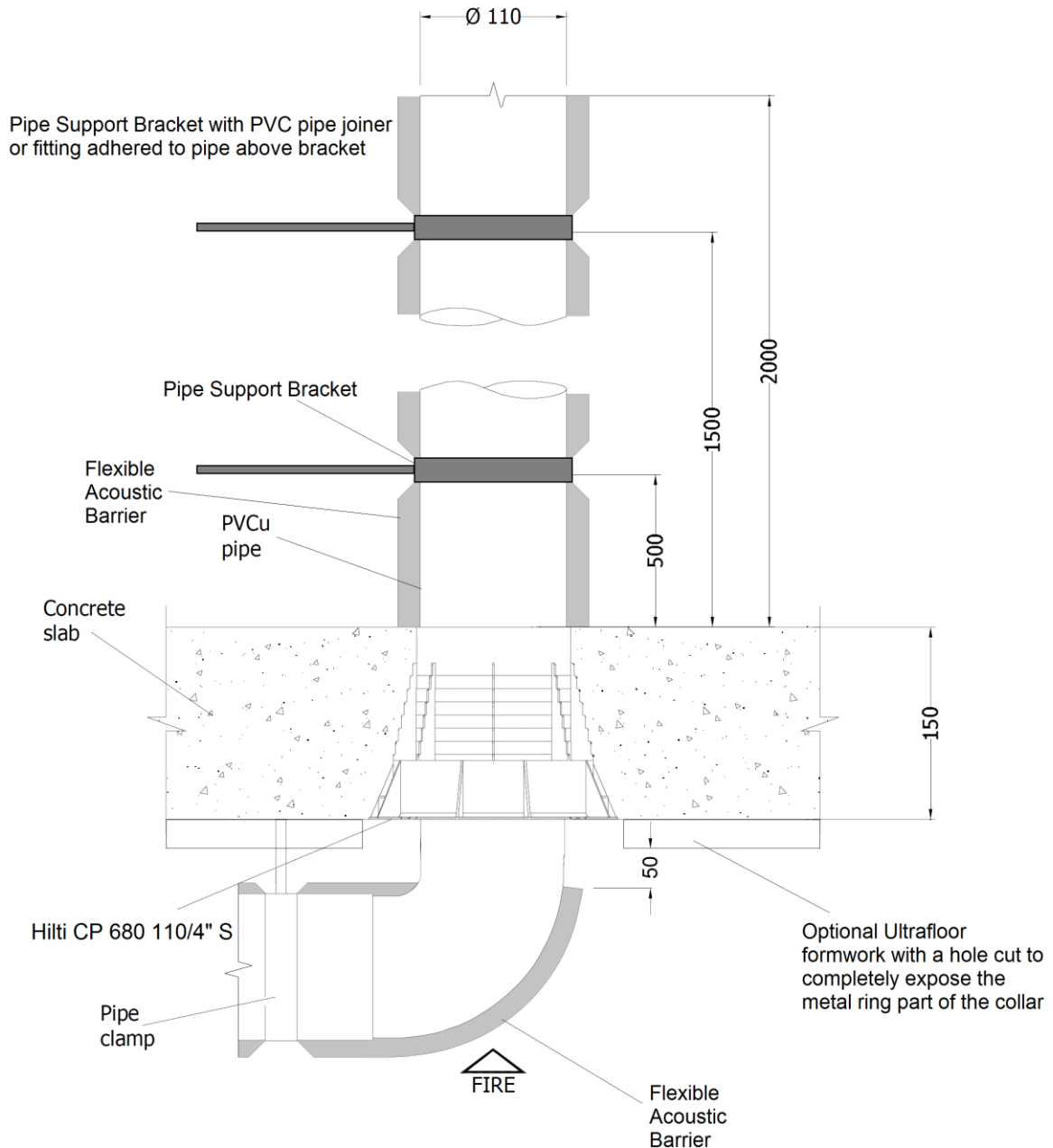


Figure 5 – uPVC pipes flange of elbow fitted outside firestop collar protected with Hilti CP 680 110/4" S Cast-In Firestop Collar with Ultrafloor, optional flexible acoustic barrier at least 50mm from underside of Ultrafloor

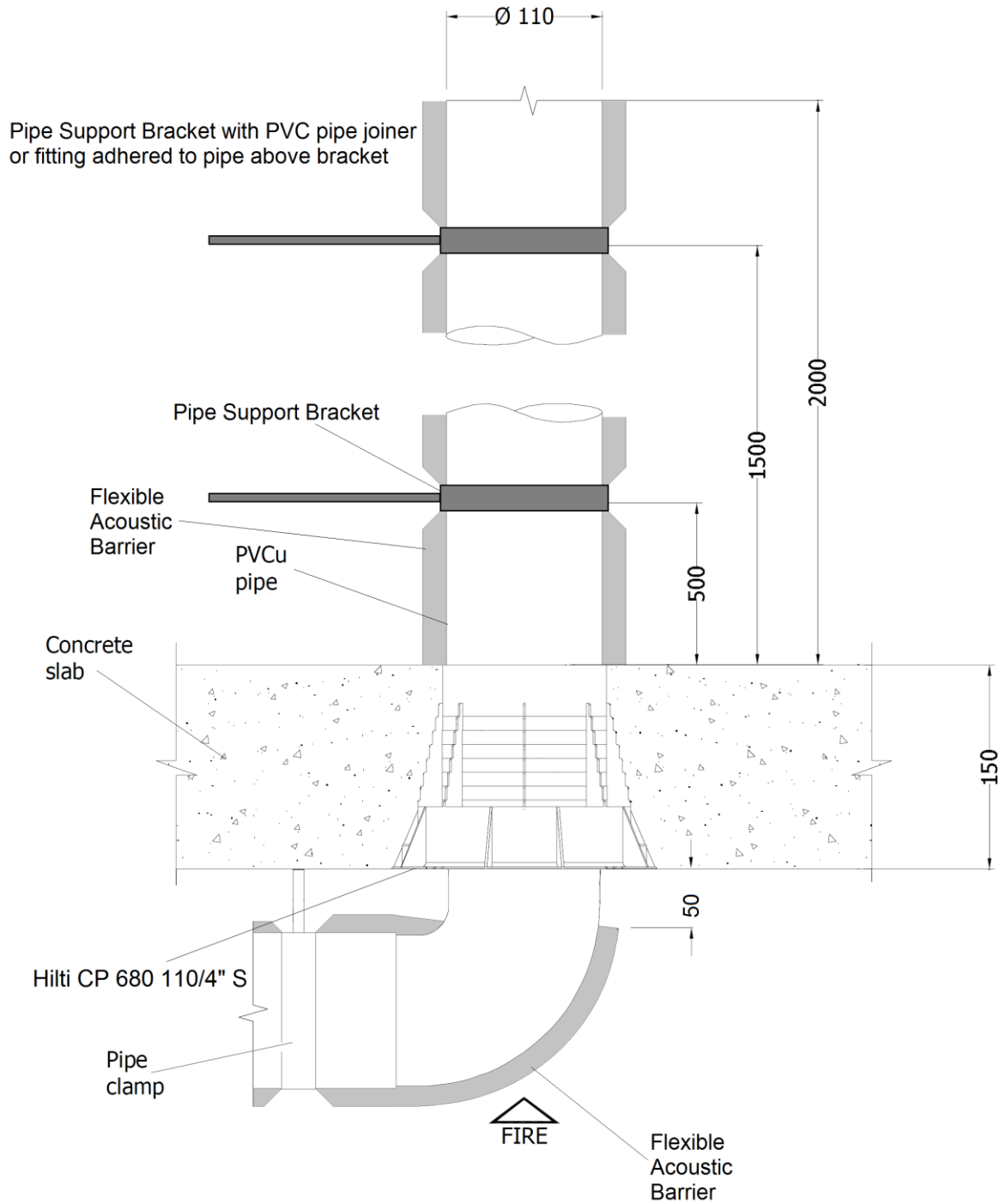
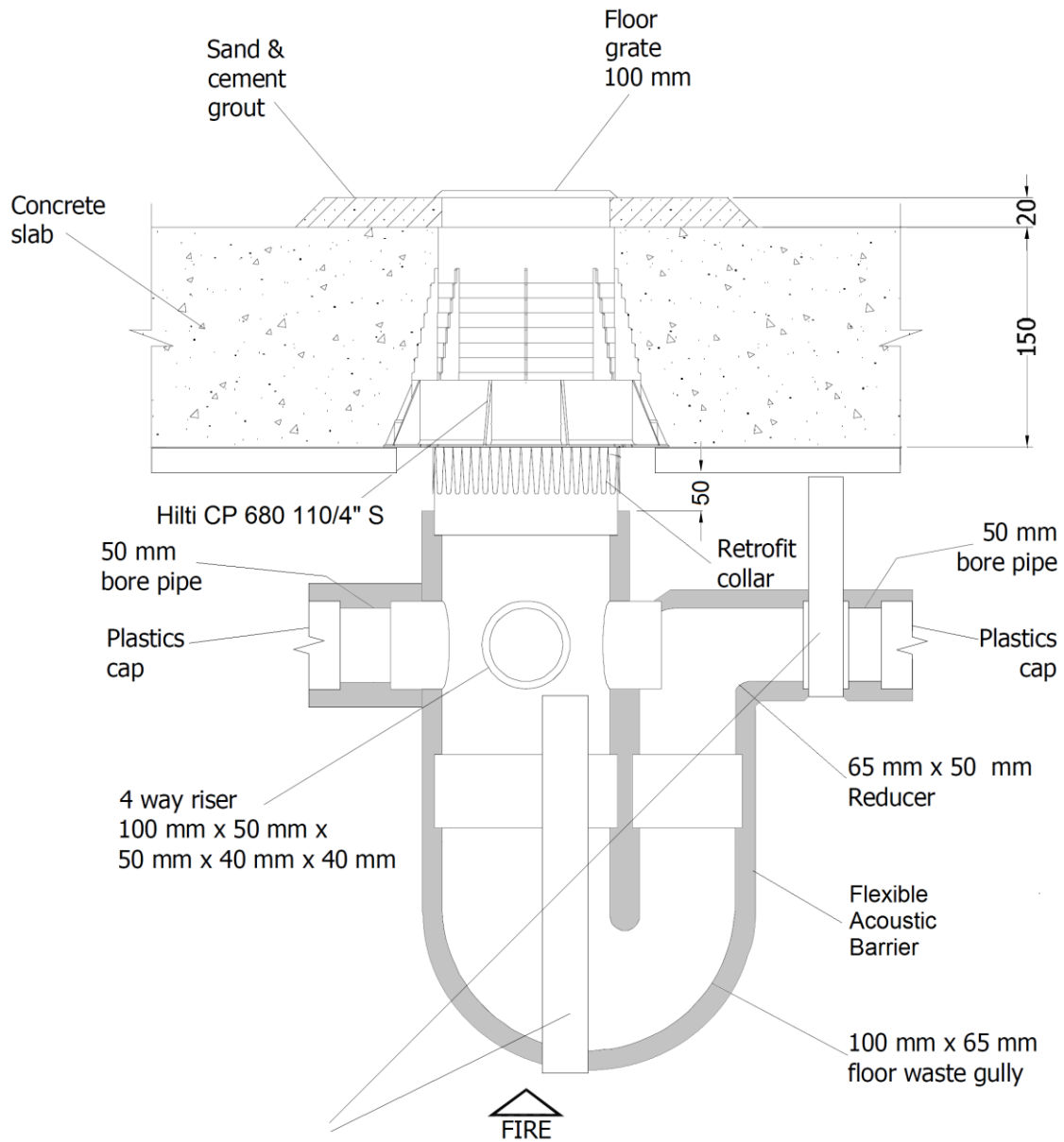
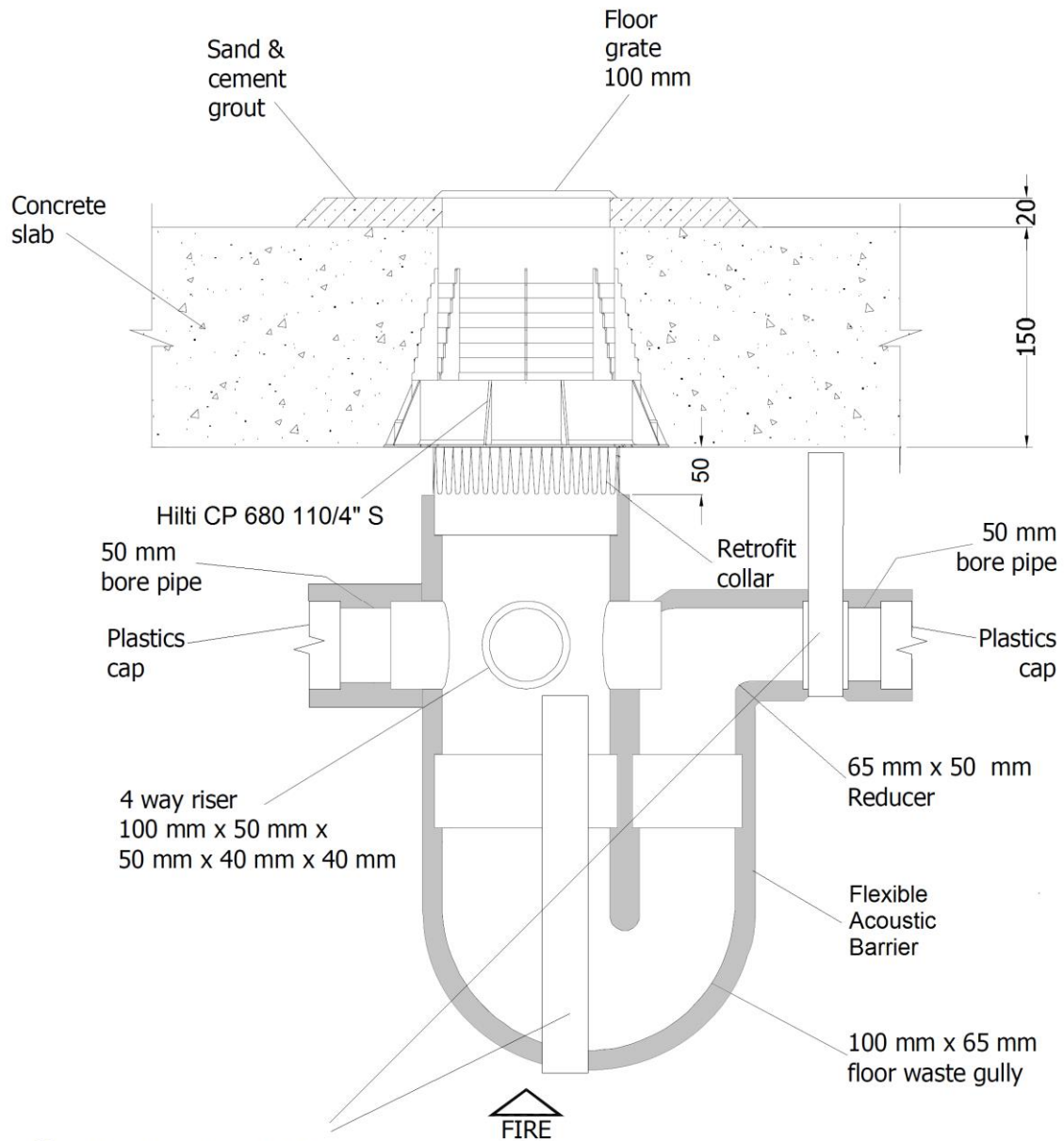


Figure 6 – uPVC pipes flange of elbow fitted outside firestop collar protected with Hilti CP 680 110/4" S Cast-In Firestop Collar without Ultrafloor, optional flexible acoustic barrier at least 50mm from underside of concrete slab



Note: Floor waste support straps not fully shown for clarity

Figure 7 – uPVC floor waste – gully pipe protected with Hilti CP 680 110/4\" S and Hilti CP 680 110/4\" N-RAD with Ultrafloor, optional flexible acoustic barrier at least 50mm from underside of Ultrafloor



Note: Floor waste support straps not fully shown for clarity

Figure 8 – uPVC floor waste – gully pipe protected with Hilti CP 680 110/4" S and Hilti CP 680 110/4" N-RAD without Ultrafloor, optional flexible acoustic barrier at least 50mm from underside of concrete slab

Refer to the referenced assessment report(s) or Regulatory Information Report(s) for a complete description of the assessed construction.