

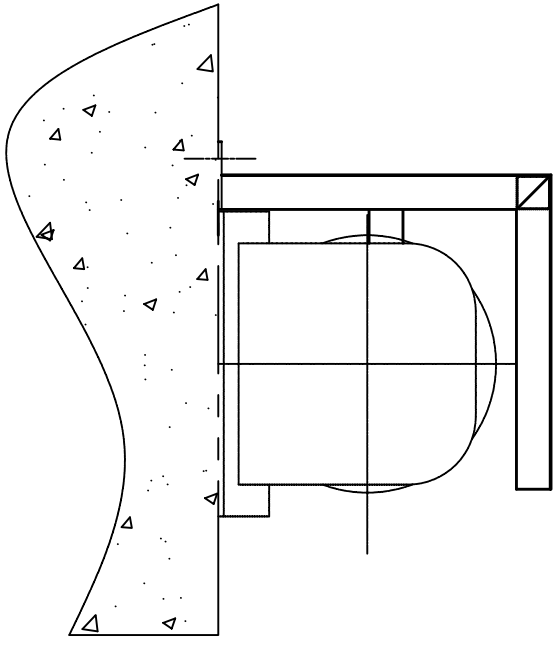
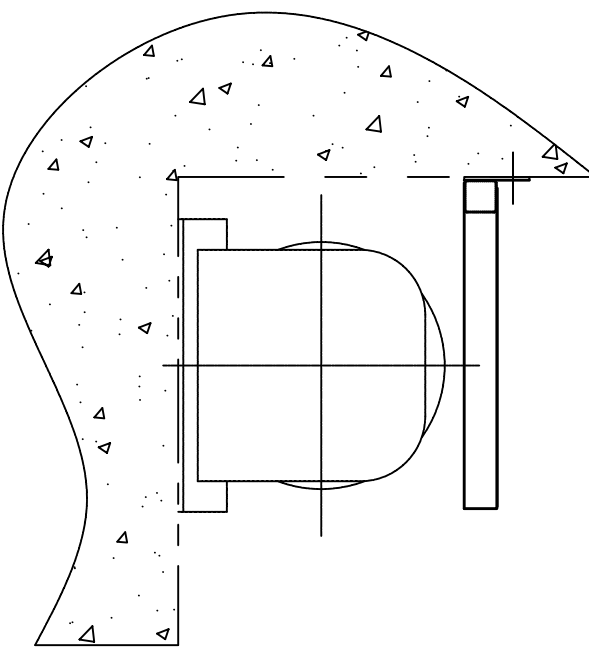
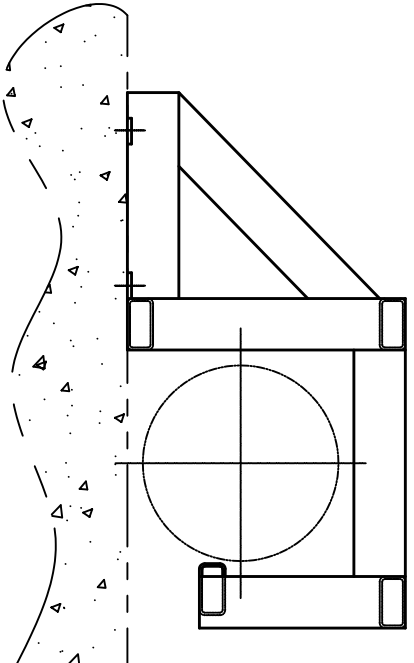
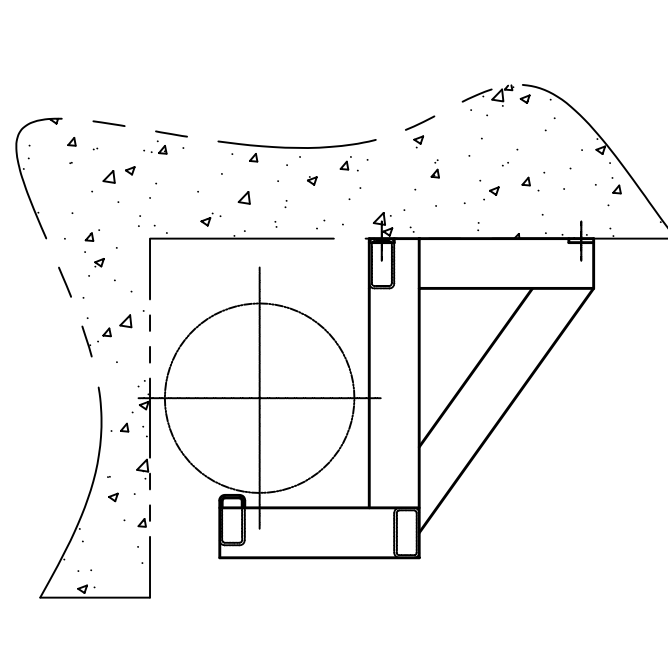
**Fire Rated Steel Roller Shutters  
Specifications for Drum Size, Drum Support Frame & Fixing Size  
For 4 Hour Fire Rating (FRL -/240/-)**

Opening Width (m)	Opening Height (m)	Drum Size (mm)	Drum Support Frame	Fixing Size
≤ 2.4	≤ 2.2	Ø168		M12
> 2.4 To ≤ 3.0	3.0	Ø219		M12
	4.0			M16
	4.5			
	5.0			
	5.7			
> 3.0 To ≤ 4.0	3.0	Ø273		M16
	4.0			M20
	4.5			
	5.0			
	5.7			
> 4.0 To ≤ 5.0	3.0	Ø168	1 Frame	M12
	4.0			
	4.5			
	5.0			
	5.7			
> 5.0 To ≤ 6.5	3.0	Ø219	1 Frame	M16
	4.0			
	4.5			
	5.0			
	5.7			

**Please Note:** This Fire Shutter is designed for use in walls and other elements of construction required to provide fire resistance. Reference should be made to the requirements of Building Code of Australia and materials tested to AS1530. This Fire Shutter should be installed in conjunction with the requirements of AS1905.2 and Exova Letter of Opinion Report #27544-07.

**Notes:**

1. Data from Table 3 Exova Report #27544-07, valid until 31<sup>st</sup> January 2018.
2. Maximum shutter size is 36m<sup>2</sup> based on Grifco 1.1kW (1.5HP) Fire Shutter Operator specifications. Shutters up to 40m<sup>2</sup> can be handled with GfA 1.1kW Fire Shutter Operator, but require confirmation by GfA for suitability of use.
3. Drum Support Frame is 500mm wide and fitted in middle of curtain width.
4. Fixings size shown is for brackets to wall & drum support frame (when specified).

Typical Hood (Unlimited Headroom)	Typical Hood (Limited Headroom)
	
Typical Drum Support (Unlimited Headroom)	Typical Drum Support (Limited Headroom)
	

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