



Roof Drainage System Design to AS3500.3

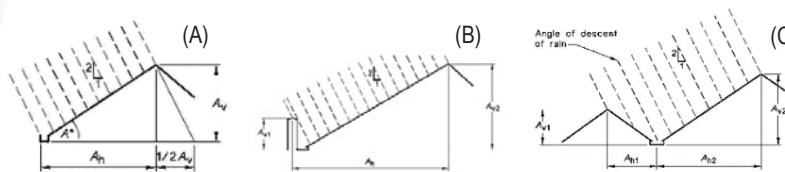


FIGURE 3.3. CATCHMENT AREA FOR ROOFS: (A) Single sloping roof - freely exposed to the wind (B) Single sloping roof - partially exposed to the wind (C) Two adjacent sloping roofs



Association of Hydraulic Services Consultants Australia
WESTERN AUSTRALIA CHAPTER INC.

SPECIALIST WORKSHOP

IFD Design Rainfall Depth (mm)

Issued: 07 June 2017

Rainfall depth for Durations, Exceedance per Year (EY), and Annual Exceedance Probabilities (AEP).

[FAQ for New ARR probability terminology](#)

Duration	Annual Exceedance Probability (AEP)						
	63.2%	50%#	20%*	10%	5%	2%	1%
1 min	1.72	1.89	2.48	2.90	3.33	3.93	4.42
2 min	3.00	3.29	4.24	4.92	5.62	6.62	7.44
3 min	4.02	4.42	5.72	6.65	7.62	8.99	10.1
4 min	4.86	5.35	6.96	8.12	9.31	11.0	12.4
5 min	5.58	6.15	8.02	9.38	10.8	12.7	14.3
10 min	8.13	8.99	11.8	13.8	15.9	18.8	21.1

Presented by
Assoc. Professor
Terry Lucke



LEARN TO USE THESE FORMULAS:

- > Catchment Area - $A_c = A_h F$
- > Catchment Area - $A_h = A_n + 0.5 (A_{v2} - A_{v1})$
- > Catchment Area - $A_h = A_n + 0.5 A_v$
- > 1% AEP Storm
- > IFD Data

The AHSCA WA in conjunction with the AHSCA Research Foundation and Associate Professor Terry Lucke invite you to attend the Stormwater Roof Drainage 1 Day Specialist Workshop.

THE WORKSHOP WILL INCLUDE:

- > Methods of Calculating roof drainage catchment
- > New method for calculating rainfall using IFD (Intensity / Frequency / Duration) and AEP (Annual Exceedance Probability) data
- > Method for Design of High Capacity overflow sumps in accordance with AS3500
- > Methods for Designing Box Gutters up to 16 lit/sec in accordance with AS3500
- > Proficiency Exam

BOOK TODAY TO ENSURE YOUR SEAT

08.30	Session 1: General Method of Calculating Roof Catchment Areas
10.00	Coffee break
10.30	Session 2: IFD Rainfall and Runoff
12:00	Lunch
13:00	Session 3: General Method for Design of Box Gutters
14:30	Coffee break
15:00	Session 4: General Method for Design of High Capacity Overflow Sumps
16:30	Proficiency Exam

Date Friday 27 October 2017
Venue Perth Soccer Club
Starts 8:30 am
Duration Full Day Workshop
Cost \$200
Open to Full, Associate and Student Members

This Certificate Course is a pre-requisite to gain access to the advanced roof drainage program which enables systems above 16lit/sec to be modelled.

To register your attendance please email admin@ahscawa.com.au
Places are strictly limited.