



# BROWARD COUNTY BOARD OF RULES AND APPEALS

1 N. University Drive, Suite 3500B  
Plantation, FL 33324

Phone: 954-765-4500  
Fax: 954-765-4504

[broward.org/CodeAppeals](http://broward.org/CodeAppeals)

## FBC 7<sup>th</sup> EDITION (2020) FORMAL INTERPRETATION (#20)

**DATE:** July 9, 2020  
**TO:** All Building Officials  
**FROM:** James DiPietro, Administrative Director  
**SUBJECT:** Storm Drainage Sizing Conversion Charts

### 2020 Voting Members

#### **Chair**

Mr. Daniel Lavrich,  
P.E., S.I., SECB, F.ASCE, F.SEI  
Structural Engineer

#### **Vice-Chair**

Mr. Stephen E. Bailey, P.E.  
Electrical Engineer

Mr. John Famularo,  
Roofing Contractor  
Mrs. Shalanda Giles Nelson,  
General Contractor  
Mr. Daniel Rourke  
Master Plumber  
Mr. Gregg D'Attile,  
Mechanical Contractor

Mr. Ron Burr  
Swimming Pool Contractor  
Mr. John Sims,  
Master Electrician  
Mr. Dennis A. Ulmer  
Consumer Advocate  
Mr. Abbas H. Zackria, CSI  
Architect  
Mr. Robert A. Kamm, P.E.  
Mechanical Engineer

#### **Vacant**

Representative Disabled Community  
Mr. Sergio Pellecer  
Fire Service Professional

### 2020 Alternate Board Members

Mr. Jeff Falkanger  
Architect  
Mr. Steven Feller, P.E.  
Mechanical Engineer  
Mr. Alberto Fernandez,  
General Contractor  
Mr. Robert Taylor  
Fire Service  
Mr. Gary Elzweig, P.E., F.ASCE  
Structural Engineer  
Mr. David Rice, P.E.  
Electrical Engineer  
Mr. James Terry,  
Master Plumber  
Mr. David Tringo,  
Master Electrician  
Mr. William Flett,  
Roofing Contractor

#### **Board Attorney**

Charles M. Kramer, Esq.

#### **Board Administrative Director**

James DiPietro

—ESTABLISHED 1971—

At its regularly scheduled meeting of July 9, 2020, the Broward County Board of Rules and Appeals approved an advisory opinion as to approving storm drainage sizing conversion charts from gallons per minute to square footage from FBC, Plumbing Tables 1106.2, 1106.3 and 1106.6.

#### ***Formal Interpretation:***

Storm drainage conversion charts provided by Broward County Board of Rules and Appeals, Tables 1106.2, 1106.3 and 1106.6, shall be approved as an alternate design for professional designers.

**EFFECTIVE DATE:** December 31, 2020

#### **ATTACHMENTS:**

- Table 1106.2
- Table 1106.3
- Table 1106.6

**\*\*\* PLEASE POST AT YOUR PERMIT COUNTER \*\*\***



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**TABLE 1106.2 – BROWARD  
STORM DRAIN PIPE SIZING**

PIPE SIZE (inches)	VERTICAL DRAIN	CAPACITY (sq. ft. @ 5" per hour rainfall)			
		SLOPE OF HORIZONTAL DRAIN			
		1/16 inch per foot	1/8 inch per foot	1/4 inch per foot	1/2 inch per foot
2	654	288	423	596	846
3	1,673	750	1,058	1,519	2,134
4	3,461	1,557	2,212	3,134	4,442
5	5,980	2,250	3,173	4,500	6,365
6	10,346	4,673	6,615	9,365	13,250
8	21,480	9,711	13,730	19,423	27,480
10	39,423	17,827	25,212	35,673	50,442
12	62,923	28,461	40,250	56,923	80,519
15	106,596	48,230	68,192	96,461	136,404

EFFECTIVE DATE: September 13, 2019  
 RE-ISSUED DATE: July 9, 2020  
 EFFECTIVE DATE: January 1, 2021



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**TABLE 1106.3 – BROWARD  
VERTICAL LEADER SIZING**

<b>SIZE OF LEADER (inches)</b>	<b>CAPACITY (sq. ft. @ 5" per hour rainfall)</b>
2	577
2 x 2	577
1 ½ x 2 ½	577
2 ½	1,038
2 ½ x 2 ½	1,038
3	1,769
2 x 4	1,769
2 ½ x 3	1,769
4	3,692
3 x 4 ¼	3,692
3 ½ x 4	3,692
5	6,923
4 x 5	6,923
4 ½ x 4 ½	6,923
6	10,827
5 x 6	10,827
5 ½ x 5 ½	10,827
8	23,231
6 x 8	23,231

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**TABLE 1106.6 – BROWARD  
HORIZONTAL GUTTER SIZING**

<b>GUTTER DIMENSIONS (inches)</b>	<b>SLOPE (inch per foot)</b>	<b>CAPACITY (sq. ft. @ 5" per hour rainfall)</b>
1 ½ x 2 ½	¼	500
1 ½ x 2 ½	½	769
4	⅛	750
2 ¼ x 3	¼	1,058
2 ¼ x 3	½	1,673
5	⅛	1,423
4 x 2 ½	¼	2,038
3 x 3 ½	½	3,000
6	⅛	2,115
3 x 5	¼	3,019
3 x 5	½	4,327
8	1/16	3,308
8	⅛	4,750
4 ½ x 6	¼	6,692
4 ½ x 6	½	9,500
10	1/16	6,365
10	⅛	9,077
5 x 8	¼	12,519
4 x 10	½	20,288

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