

ROOF WIND PRESSURES (PSF)					
ZONE	TRIBUTARY AREA (SF)				
	10	20	50	100	500
1	-40/+17	-38/+16	-36/+14	-37/+13	-37/+13
2	-57/+17	-62/+16	-52/+14	-44/+13	-44/+13
3	-42/+26	-39/+23	-36/+20	-37/+18	-37/+18
4	-70/+26	-51/+23	-57/+20	-51/+18	-51/+18
5	-50/+20	-48/+19	-45/+18	-43/+17	-43/+17
6	-60/+20	-58/+19	-51/+18	-47/+17	-47/+17

OVERHANG WIND PRESSURES (PSF)					
ZONE	TRIBUTARY AREA (SF)				
	10	20	50	100	500
4a	-88	-88	-88	-88	-88

- WIND PRESSURE NOTES
- Numbers on this sheet are the components and cladding gross unfactored service pressures perpendicular to the surface (in P.S.F.) based on tributary area. Multiply service pressures by 1.25 to obtain wind pressures for factored loads using strength design (ASCE 7-10 2.3).
 - Pressures are derived from ASCE 7-10.
 - Directionality factor $K_d = .85$.
 - Negative pressures act away from surface, positive pressures act toward surface.
 - Zone 7 and 8 pressures shall be used at the underside of soffits.
 - Shaded region of roof wind pressure diagram represents areas with soffit pressures and are to be designed for wind pressures per note 5.

ROOF WIND PRESSURE

SCALE: 1/8" = 1'-0"



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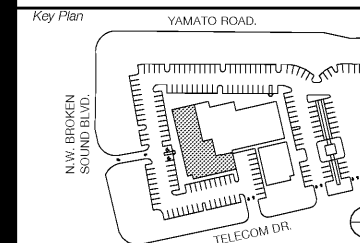
OWNER
SBLM CORE PROPERTIES
 107 Fellowship Road, Suite 116
 Mount Laurel, NJ 08054
 Telephone (856) 780-4460
 Fax

Architect
SBLM Architects
 11430 N. Kendall Drive, Suite 310
 Miami, FL 33176
 Telephone 305 412 9187
 Fax 305 412 6731
 www.sblm.com

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06/21/18 PERMIT SET



Seal

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Project Title
SOUTHERN PALM CROSSING
 BUILDING SHELL
 11001-11161 Southern Blvd.
 Royal Palm Beach, FL 33411

Job Number 017512.00 - 17M32

Drawing
ROOF WIND DIAGRAMMS

Scale
 Drawing Date 06/21/18

Drawing No.

S-104

Sheet Of