

1/4" = 1'-0"

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WIND PRESSURE NOTES

2. Pressures are derived from ASCE 7-22

3. Directionality factor Kd = .85

WIND PRESSURE LEGEND

(#) Denotes wind pressure zone

Denotes wind load separation

1. Numbers on this sheet are the components and cladding gross unfactored pressures perpendicular to the

4. Negative pressures act away from surface, positive pressures act toward surface.

6. All dimensions shown are measured perpendicular to surface.

5. Parapet pressures are the resultant force from positive wall and negative roof pressures

surface (in P.S.F.) based on tributary area. Multiply service pressures by 1.67 to obtain W pressures for factored loads using strength design (ASCE 7-22 2.3).

ZONES TRIBUTARY AREA (SF) 10 20 50 100 200 500 1 -21/+10 -19/+10 -16/+10 -14/+10 -12/+10 -12/+10 2 -34/+10 -29/+10 -22/+10 -17/+10 -17/+10 -17/+10 3 -40/+10 -34/+10 -26/+10 -20/+10 -20/+10 -20/+10 ZONE TRIBUTARY AREA (SF) TRIBUTARY AREA (SF) TRIBUTARY AREA (SF) WALL WIND PRESSURES (PSF) WALL WIND PRESSURES (PSF) TRIBUTARY AREA (SF) TRIBUTARY AREA (SF) 20 -49 -43 -35 -28 -27 -25 30 -52 -45 -36 -29 -29 -29 -28 WALL WIND PRESSURES (PSF) TRIBUTARY AREA (SF) TRIBUTARY AREA (SF) TRIBUTARY AREA (SF) 500 -52 -45 -36 -29 -29 -29 -28			ROOF WIN	D PRESSU	RES (PSF)		
Tributary area (SF)	ZONES	, ,					
2		10	20		, ,	200	500
OVERHANG PRESSURES (PSF) ZONE	1	-21/+10	-19/+10	-16/+10	-14/+10	-12/+10	-12/+10
OVERHANG PRESSURES (PSF) TRIBUTARY AREA (SF) 20NE 10 20 50 100 200 500 10 -33 -30 -27 -24 -21 -20 20 -49 -43 -35 -28 -27 -25 30 -52 -45 -36 -29 -29 -29 ZONE TRIBUTARY AREA (SF) ZONE 10 20 50 100 200 500 4 -16/+15 -16/+14 -15/+13 -14/+13 -13/+12 -12/+11 5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 -12/+11 5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 -12/+11 5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 -12/+11 5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 <td< td=""><td>2</td><td>-34/+10</td><td>-29/+10</td><td>-22/+10</td><td>-17/+10</td><td>-17/+10</td><td>-17/+10</td></td<>	2	-34/+10	-29/+10	-22/+10	-17/+10	-17/+10	-17/+10
TRIBUTARY AREA (SF)	3	-40/+10	-34/+10	-26/+10	-20/+10	-20/+10	-20/+10
TRIBUTARY AREA (SF) TRIBUTARY AREA (SF)		O,	/ERHANC		•	SF)	
10	70NF	TRIBUTARY AREA (SF)					
ZONE -49 -43 -35 -28 -27 -25 30 -52 -45 -36 -29 -29 -28 WALL WIND PRESSURES (PSF) TRIBUTARY AREA (SF) 20NE 10 20 50 100 200 500 4 -16/+15 -16/+14 -15/+13 -14/+13 -13/+12 -12/+1* 5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 -12/+1* PARAPET PRESSURES (PSF) TRIBUTARY AREA (SF)	ZONE	10	20	50	100	200	500
VALL WIND PRESSURES (PSF) TRIBUTARY AREA (SF)	10	-33	-30	-27	-24	-21	-20
WALL WIND PRESSURES (PSF) TRIBUTARY AREA (SF) 10 20 50 100 200 500 4 -16/+15 -16/+14 -15/+13 -14/+13 -13/+12 -12/+15 5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 -12/+15 PARAPET PRESSURES (PSF) TRIBUTARY AREA (SF)					-28		-25
TRIBUTARY AREA (SF) 10 20 50 100 200 500 4 -16/+15 -16/+14 -15/+13 -14/+13 -13/+12 -12/+13 5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 -12/+13 PARAPET PRESSURES (PSF) TRIBUTARY AREA (SF)	20						
10 20 50 100 200 500 4 -16/+15 -16/+14 -15/+13 -14/+13 -13/+12 -12/+13 5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 -12/+13 PARAPET PRESSURES (PSF) TRIBUTARY AREA (SF)	30	-52	-45	-36	-29	-29	-28
10 20 50 100 200 500 4 -16/+15 -16/+14 -15/+13 -14/+13 -13/+12 -12/+1: 5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 -12/+1: PARAPET PRESSURES (PSF) TRIBUTARY AREA (SF)	30						-28
5 -20/+15 -19/+14 -17/+13 -16/+13 -14/+12 -12/+11 PARAPET PRESSURES (PSF) TRIBUTARY AREA (SF)) PRESSI	JRES (PS		-28
PARAPET PRESSURES (PSF) TRIBUTARY AREA (SF)		W.	ALL WIND) PRESSU	JRES (PS	SF)	
ZONES TRIBUTARY AREA (SF)	ZONE	10	ALL WIND	PRESSI TRIBUTARY 50	JRES (PS AREA (SF)	SF) 200	500
/()NES	ZONE 4	10 -16/+15	20 -16/+14	PRESSU TRIBUTARY 50 -15/+13	JRES (PS 'AREA (SF) 100 -14/+13	200 -13/+12	500 -12/+11
20NES 10 20 50 100 200 500	ZONE 4	10 -16/+15 -20/+15	20 -16/+14 -19/+14	D PRESSU TRIBUTARY 50 -15/+13 -17/+13	JRES (PS 'AREA (SF) 100 -14/+13 -16/+13	200 -13/+12 -14/+12	500 -12/+11
, , , , , , , , , , , , , , , , , , , ,	ZONE 4 5	10 -16/+15 -20/+15	20 -16/+14 -19/+14	D PRESSU TRIBUTARY 50 -15/+13 -17/+13 PRESSU	JRES (PS 'AREA (SF) 100 -14/+13 -16/+13 RES (PSF	200 -13/+12 -14/+12	

REFERENCE SHEETS

ABBREVIATIONS & SYMBOLS S-100 S-101 STRUCTURAL NOTES STRUCTURAL NOTES S-102 STRUCTURAL PLAN SPECIFICATIONS S-103 ROOF WIND AND WALL DIAGRAM S-111 GROUND FLOOR AND ROOF FRAMING PLAN S-200 WALL SECTIONS S-301 ALL SCHEDULES S-401 ALL SCHEDULES S-402 SLAB ON GRADE DETAILS S-511 MASONRY DETAILS S-521 WOOD ROOF DETAILS S-721



CLIENT DATA

Client: CITY OF OCALA 501 NE 1st Ave. Ocala, FL 34470

PROJECT DATA

Project No: 24020 Project Na: OCALA SUNTRAN RESTROOMS & KIOSK

ARCHITECT DATA

Carbon design & architecture 263 13th Avenue South Suite 375 St. Petersburg, FL 33701 O:: 941.362.4312 W:: www.carbonAE.com

ENGINEER DATA

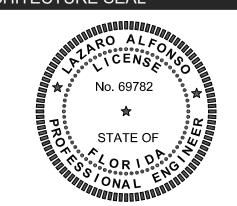
ISSUE + REVISION DATA

06/25/2024

No: Description: BLD24-1291

Building Comments

ARCHITECTURE SEAL



05.28.2024 DRAWN BY S.C **CHECKED BY**

BLISS & NYITRAY, INC. STRUCTURAL ENGINEERS FL Certificate of Authorization No. 674 www.bniengineers.com BNI Proj. No.23w21 580 Village Blvd., Suite 310 West Palm Beach, Florida 33409 Tel. (561) 623-7081 Lazaro Alfonso, P.E. FL Reg. No. 69782 To the best of the Structural Engineer's

with the applicable minimum building codes.

knowledge, the Plans and Specifications comply

100% CD's Set 6/24/2024 6:12:07 PM

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