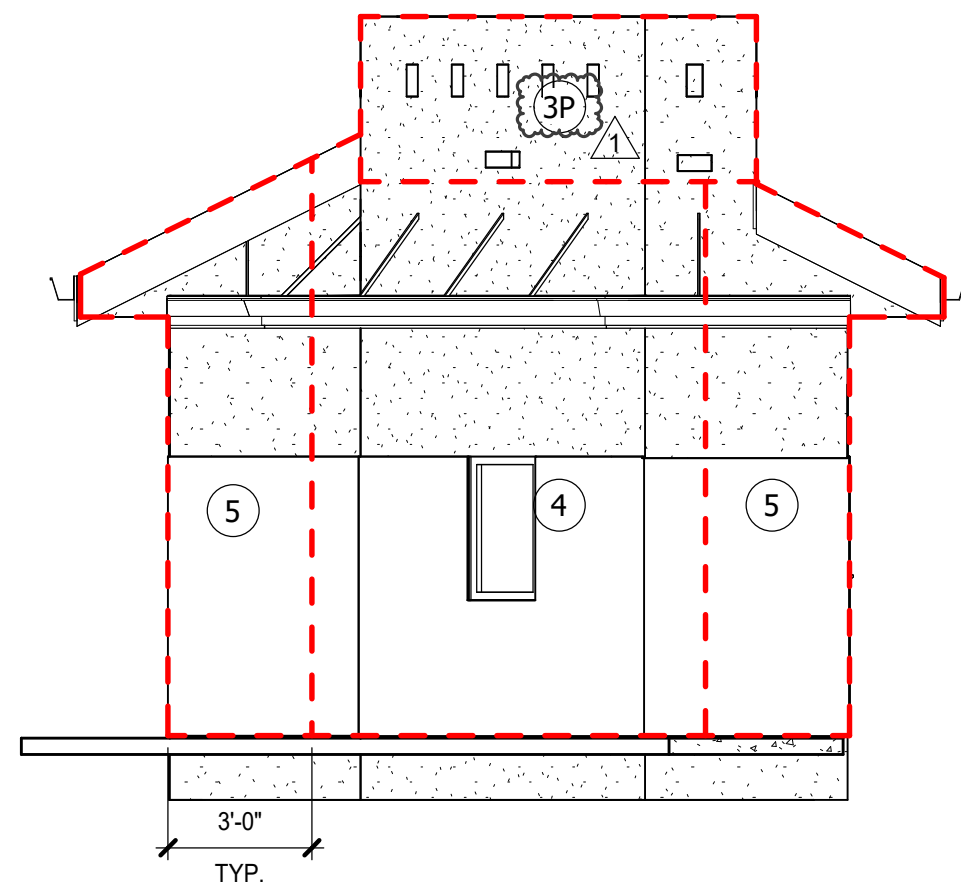
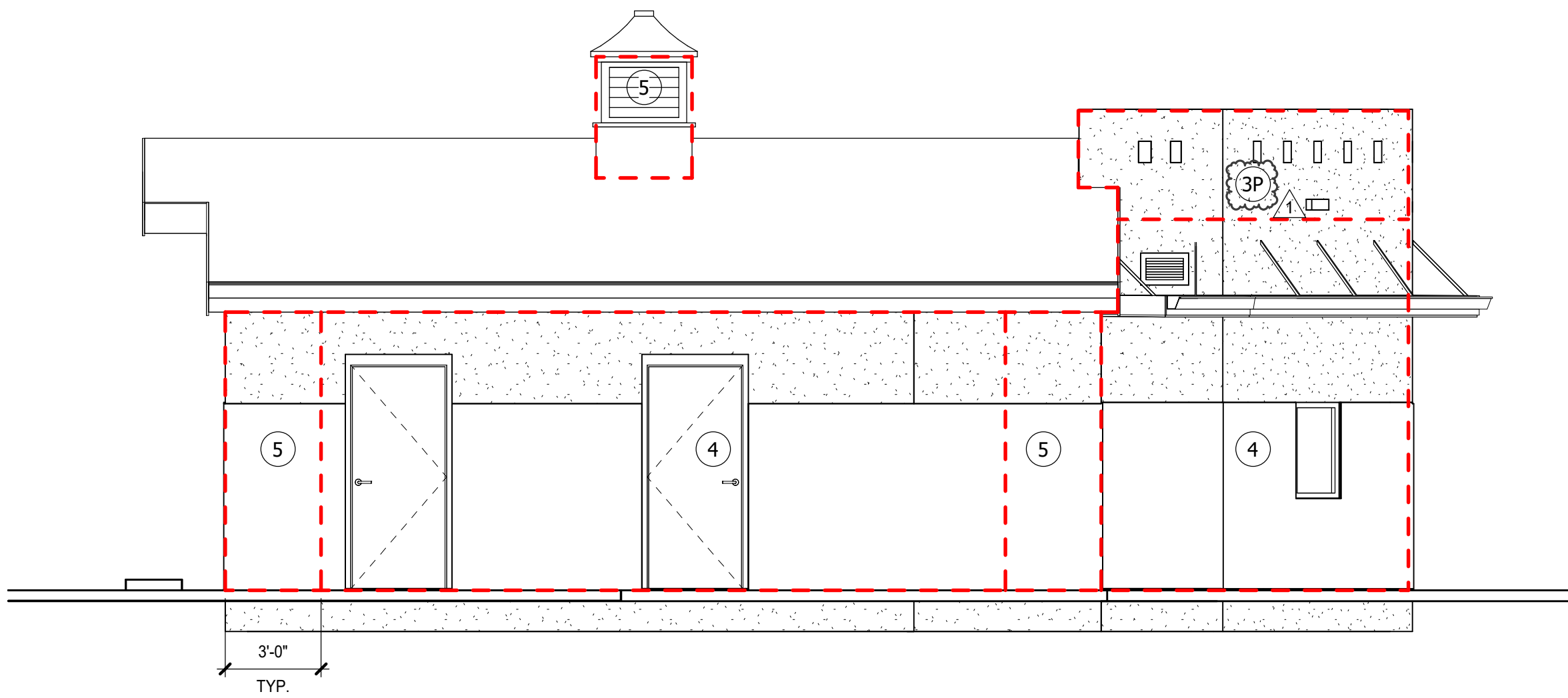


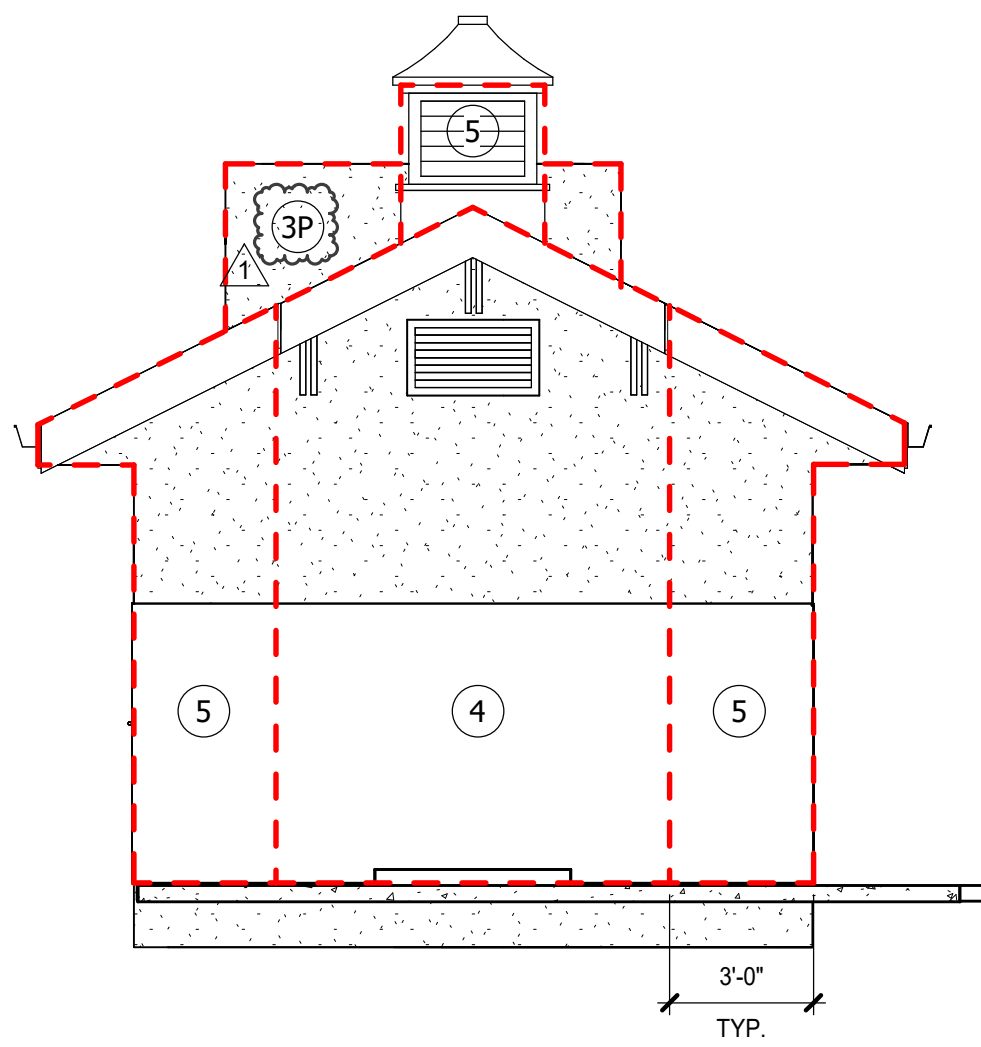
A NORTH ELEVATION
1/4" = 1'-0"



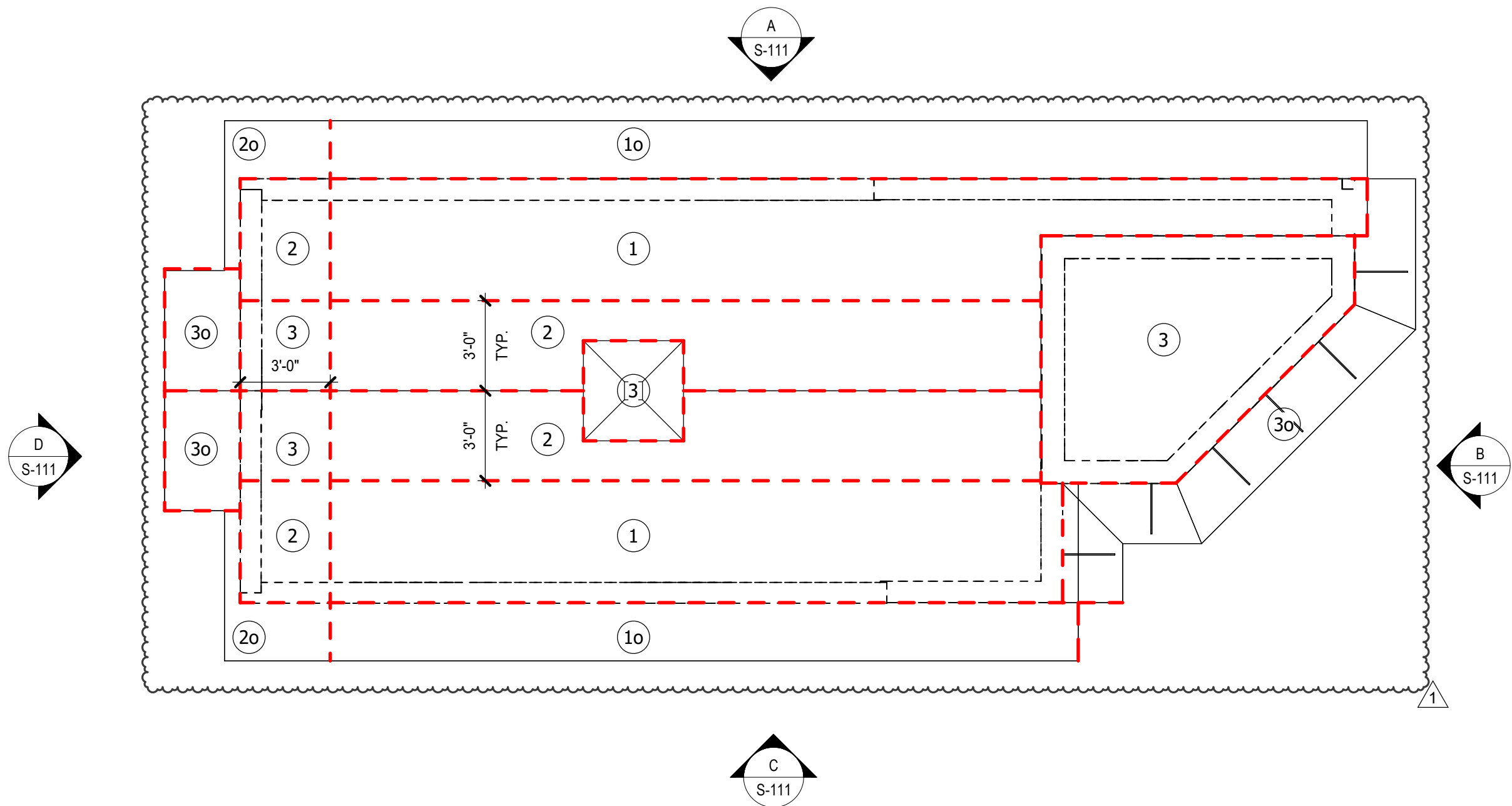
B EAST ELEVATION
1/4" = 1'-0"



C SOUTH ELEVATION
1/4" = 1'-0"



D WEST ELEVATION
1/4" = 1'-0"



ROOF WIND DIAGRAM
1/4" = 1'-0"

ROOF WIND PRESSURES (PSF)						
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

OVERHANG PRESSURES (PSF)						
ZONE	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
1o	-33	-30	-27	-24	-21	-20
2o	-49	-43	-35	-28	-27	-25
3o	-52	-45	-36	-29	-29	-28

WALL WIND PRESSURES (PSF)						
ZONE	TRIBUTARY AREA (SF)					
	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

PARAPET PRESSURES (PSF)						
ZONES	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
3P	51	44	35	28	27	27

WIND PRESSURE NOTES

- Numbers on this sheet are the components and cladding gross unfactored pressures perpendicular to the 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, 2.3.3).
- Pressures are derived from ASCE 7-22, 6.5.8.1.
- Directionality factor $K_d = .85$.
- Negative pressures act away from surface, positive pressures act toward surface.
- Parapet pressures are the resultant force from positive wall and negative roof pressures.
- All dimensions shown are measured perpendicular to surface.

WIND PRESSURE LEGEND

- # Denotes wind pressure zone
--- Denotes wind load separation



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Tel. (561) 623-7081
Lazaro Alfonso, P.E. FL Reg. No. 69782
To the best of the Structural Engineer's
knowledge, the Plans and Specifications comply
with the applicable minimum building codes.

REFERENCE SHEETS

ABBREVIATIONS & SYMBOLS	S-100
STRUCTURAL NOTES	S-101
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

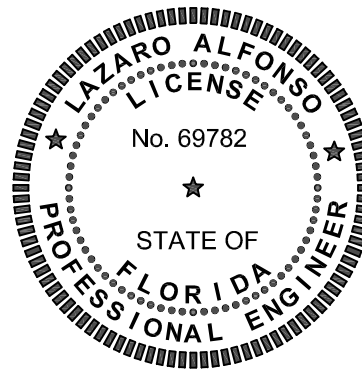
Carbon design & architecture
263 13th Avenue South
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St. Petersburg, FL 33701
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W: www.carbonAE.com

ENGINEER DATA

ISSUE + REVISION DATA

No:	Description:	Date:
1	BLD24-1291 Building Comments	06/25/2024

ARCHITECTURE SEAL



05.28.2024

DRAWN BY S.C

CHECKED BY L.A

S-111
ROOF WIND AND WALL DIAGRAM

100% CD's Set

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