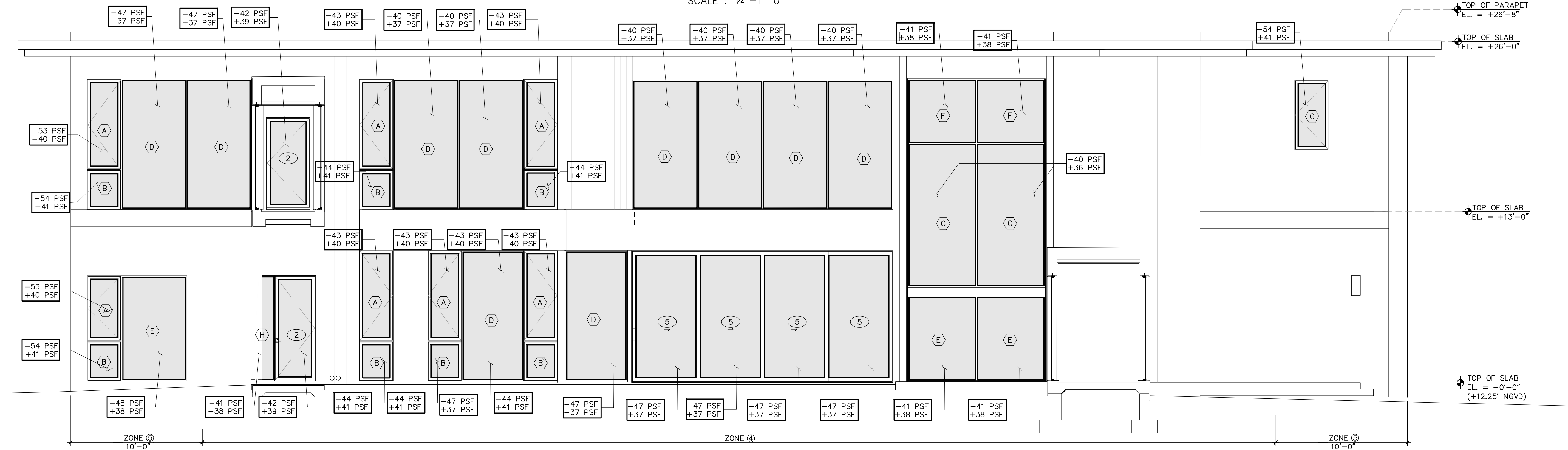




NORTH ELEVATION

SCALE : 1/4"=1'-0"



SOUTH ELEVATION

SCALE : 1/4"=1'-0"

NOTES:

- COMPONENT & CLADDING PRESSURES SHOWN HEREIN ARE GROSS & ARE BASED UPON $K_d=0.85$ & ALLOWABLE STRESS DESIGN METHOD (ASD) PER ASCE 7-22 & FLORIDA BUILDING CODE 2023 & SHALL NOT BE FURTHER REDUCED BY A FACTOR OF 0.6.
- THESE PRESSURES ARE PROVIDED AS GENERAL GUIDELINES & ARE TO BE USED AS GENERAL INFORMATION & PERMIT ONLY.
- IT IS THE RESPONSIBILITY OF THE WINDOW/DOOR MANUFACTURER AS A SPECIALTY ENGINEER TO CALCULATE & DETERMINE EA. WINDOW/DOOR WIND PRESSURES AS REQUIRED BY THE 2023 FBC CODE TO RESIST THE SPECIFIED DESIGN WIND PRESSURES SHOWN ON THIS PLAN.
- ROCHELL ENGINEERING, INC. WILL NOT BE RESPONSIBLE FOR ANY DEFICIENCIES CREATED BY IMPROPER DESIGN, ERECTION, INSTALLATION OR OTHER OPERATIONS RELATED TO THE WINDOW/DOOR SYSTEM PART OF THIS PROJECT.
- ALL EXTERIOR WINDOW & DOOR ASSEMBLY PRODUCT APPROVALS (NOA) SHALL BE SUBMITTED ALONG WITH THE CONTRACT DRAWINGS TO THE AGENCY HAVING JURISDICTION FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- ROOFING COMPONENTS SHALL BE DESIGNED USING VALUES SHOWN FOR ZONE 1, 2 & 3 & BASED ON 10 SQUARE FOOT AREA.

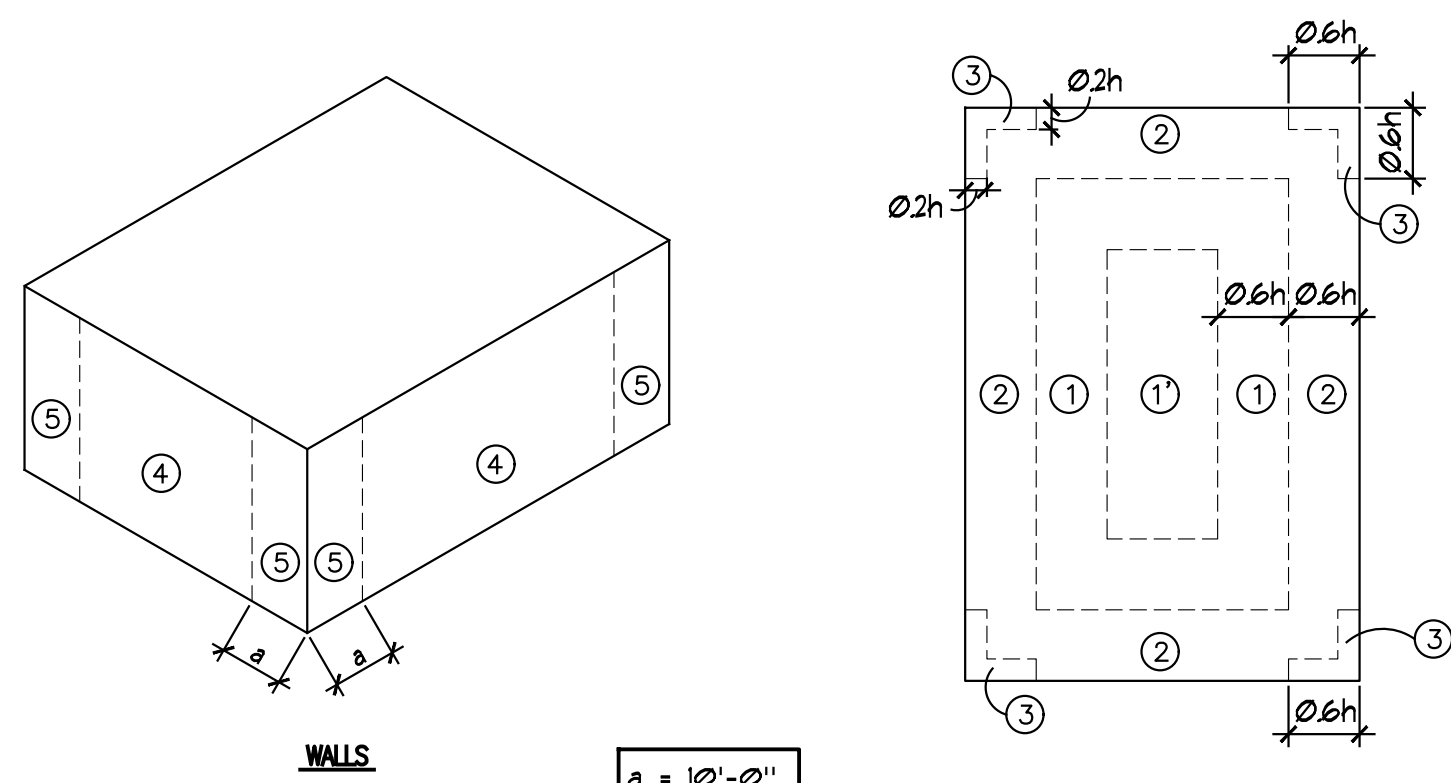
WIND LOADS PER ASCE 7-22 & 2023 FBC

THIS STRUCTURE HAS BEEN DESIGNED AS "ENCLOSED" & REQUIRES IMPACT RESISTANT GLASS OR SHUTTERS TO COMPLY WITH FBC SECTIONS 1609.1.2 & 1626

WIND LOADS ON COMPONENTS & CLADDING

ZONE	10 SQ. FT.	20 SQ. FT.	50 SQ. FT.	100 SQ. FT.	200 SQ. FT.	500 SQ. FT.
①	-70.7	-66.1	-60.2	-54.7	-50.3	-44.4
①'	-40.7	-40.7	-40.7	-40.0	-34.7	-27.0
②	-93.3	-87.3	-80.0	-72.7	-67.0	-59.5
③	-127.1	-115.2	-100.4	-86.0	-74.6	-59.5
④	-44.0	-42.2	-40.0	-37.9	-36.2	-33.9
⑤	-54.2	-50.6	-46.2	-41.8	-38.4	-33.9
④ & ⑤	+40.6	+38.8	+36.6	+34.5	+32.8	+30.5

VALUES TO BE USED FOR ROOFING PRESSURES



WALLS

FLAT/HIP/GABLE ROOF 0.55/0.7

NOTES:
0.2h = 5'-0"
0.6h = 15'-0"

NOTES

LOCUS ARCHITECTURE INCORPORATED

500 South Dixie Highway, Suite 307
Coral Gables, Florida 33146
Tel (305) 740-0120
Email locus@locusarchitecture.net
License AR 13937

CONSULTANT(S)

NO.	REVISION/SUBMISSION	DATE
	OWNER REVIEW	04-08-24
	PERMIT SUBMITTAL	10-28-23

PROJECT

New 2-Story Residence:
6100 W Suburban Dr. Pinecrest, FL
33156

DRAWING

SEAL	SCALE
	DRAWN
	REVIEWED
	NDL
	PROJ. NO.
	351

SHEET NO.

Nelson de
Leon

AR 13937

S-4

TO THE BEST OF MY KNOWLEDGE THESE PLANS CONFORM TO THE STRUCTURAL REQUIREMENTS OF F.B.C. 2023 LATEST REVISIONS, INCLUDING SECTIONS PERTAINING TO H.V.H.Z.

ENGINEER OF RECORD HEREBY EXPRESSLY RESERVES HIS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THIS DESIGN AND DRAWINGS ARE NEITHER TO BE REPRODUCED, COPIED, NOR CHANGED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF ROCHELL ENGINEERING, INC.

ALEXANDER ROCHELL
FL P.E. #60735
1500 NW 89th Court, Suite 212
Doral, Florida 33172
TEL: 305.649.4049 - FAX: 305.649.4149

