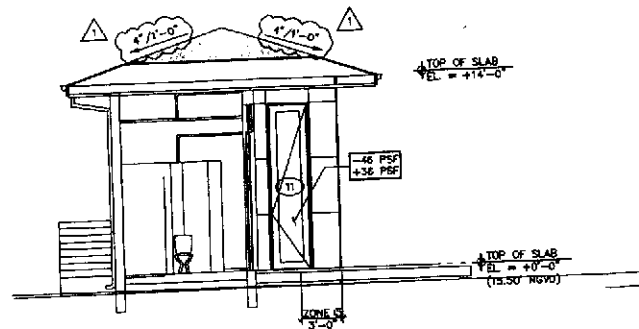
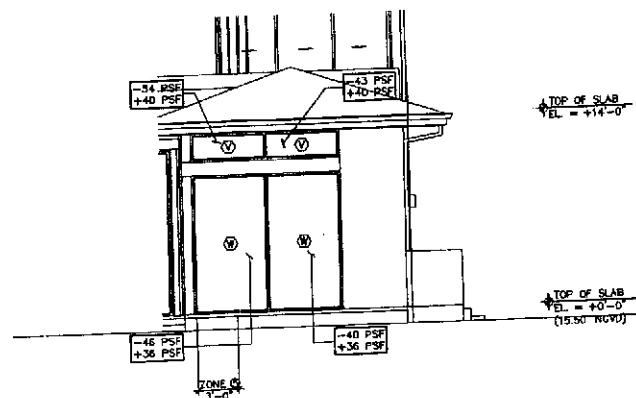
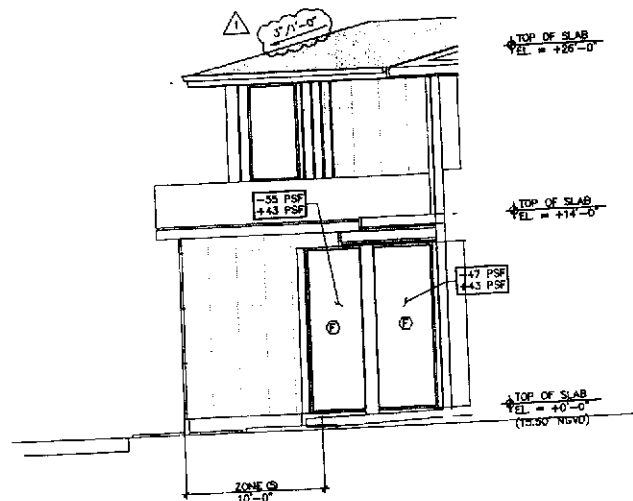




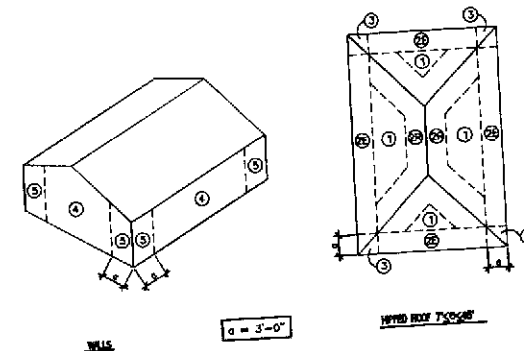
PARTIAL EAST ELEVATION GYM
SCALE : 3/8"=1'-0"



PARTIAL EAST ELEVATION GYM
SCALE : 3/8"=1'-0"



PARTIAL SOUTH ELEVATION GYM
SCALE : 3/8"=1'-0"



NOTES:
1. COMPONENT & CLADDING PRESSURES SHOWN HEREIN ARE GROSS & ARE BASED UPON K=0.85 & ALLOWABLE STRESS DESIGN METHOD (ASD) PER ASCE 7-16 & FLORIDA BUILDING CODE 2020 & SHALL NOT BE FURTHER REDUCED BY A FACTOR OF 0.8.
2. THESE PRESSURES ARE PROVIDED AS GENERAL GUIDELINES & ARE TO BE USED AS GENERAL INFORMATION & PERMIT ONLY.
3. IT IS THE RESPONSIBILITY OF THE WINDOW/DOOR MANUFACTURER AS A SPECIALTY ENGINEER TO CALCULATE & DETERMINE EA. WINDOW/DOOR WIND PRESSURES REQUIRED BY THE 2020 FBC CODE TO RESIST THE SPECIFIED DESIGN WIND PRESSURES SHOWN ON THIS PLAN.
4. 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.
5. 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.
WIND LOADS PER ASCE 7-16 & 2020 FBC
THIS STRUCTURE HAS BEEN DESIGNED AS "ENCLOSED" & REQUIRES IMPACT RESISTANT GLASS OR SHUTTERS TO COMPLY WITH FBC SECTIONS 1609.1.2 & 1626

GYM						
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	-67.9	-67.9	-53.8	-40.5	-40.5	-40.5
②	-88.3	-85.8	-73.8	-62.7	-54.2	-54.2
③	-88.4	-79.8	-68.8	-58.5	-50.8	-50.8
④	-95.3	-85.8	-73.8	-62.7	-54.2	-54.2
⑤	-43.9	-42.1	-39.8	-37.7	-35.9	-33.6
⑥	-54.2	-50.8	-46.0	-41.7	-38.2	-33.6
⑦+⑧	+40.5	+38.7	+36.4	+34.2	+32.6	+30.2

VALUES TO BE USED FOR ROOFING PRESSURES

VALUES TO BE USED FOR ROOFING PRESSURES

TO THE BEST OF MY KNOWLEDGE THESE PLANS CONFORM TO THE STRUCTURAL REQUIREMENTS OF F.B.C. 2020, LATEST REVISIONS, INCLUDING SECTIONS PERTAINING TO H.V.M.I.
EXEMPTED FROM REVIEW
ALEXANDER ROCHELL
FL P.E. #00735
1001 NW 10th Ave, Suite 210
Fort Lauderdale, FL 33304
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ROCHELL ENGINEERING, INC.
STRUCTURAL ENGINEERING
ONE OF SEVERAL IN FLORIDA



DRAWN BY: MVID.B.K.A.
CHECKED BY: AR
INITIAL DRAWING: ISSUE DATE
RELEASE DATE:
S-6

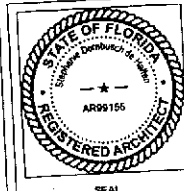
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GOOD MANGOS RESIDENCE



NOTES/COMMENTS

REVISIONS / SUBMISSIONS

BLDG. DEPT. COMMENTS
01-28-23