

CFS ENGINEERING GROUP, INC.
STRUCTURAL ENGINEERS
185 NW 108TH STREET
MIAMI SHORES, FLORIDA 33168ASPE ENGINEERING, LLC
MEP ENGINEERING
2020 PONCE DE LEON BLVD., STE. 1002
CORAL GABLES, FLORIDA 33134ALL LANDSCAPE DATA, INC.
LANDSCAPE ARCHITECT
4459 NW 97TH COURT
CORAL, FLORIDA 33176NEW LEAF ENVIRONMENTAL, LLC
ISA CERTIFIED ARBORIST
57 SILVER SPRINGS DRIVE
KEY LARGO, FLORIDA 33037TERRA CIVIL ENGINEERING, LLC
CIVIL ENGINEERING
4011 WEST FLAGLER ST., STE. 404
MIAMI, FLORIDA 33134

CASA OHAD

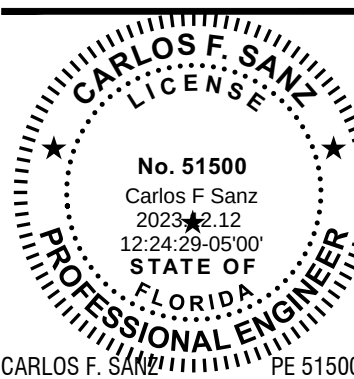
6200 SW 123RD TERRACE PINECREST, FLORIDA 33156

PROJECT DESCRIPTION:
SINGLE FAMILY RESIDENCE

FAO ARCHITECTURE, LLC

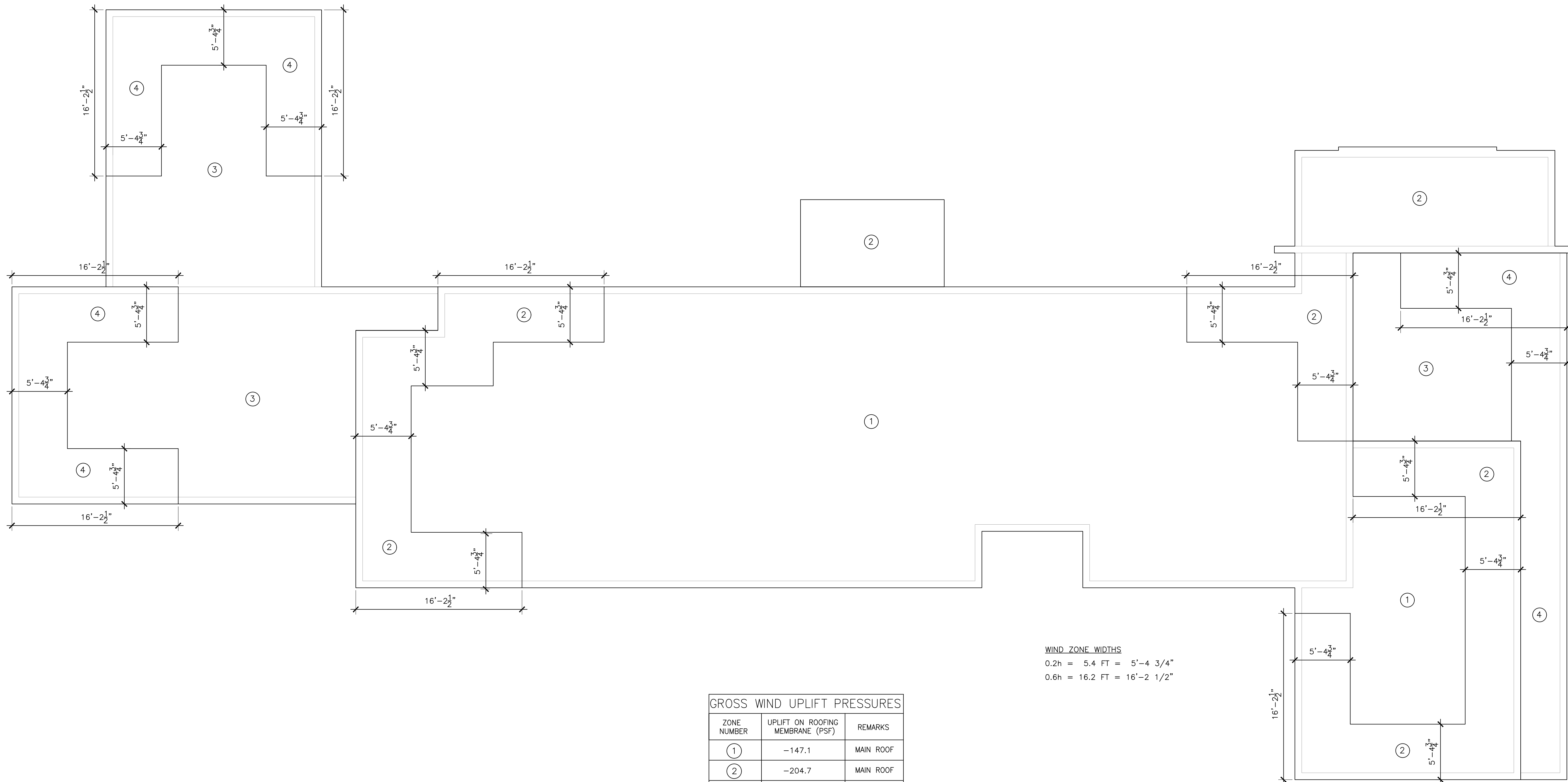
DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS,
INCLUDING THOSE IN ELECTRONIC FORM, PREPARED BY
FAO ARCHITECTURE, LLC, AND THE CONSULTANTS ARE
INDEPENDENT OF SERVICE TO THE CLIENT AND THE
CONSULTANTS SHALL BE DEEMED THE AUTHORITY AND
SHALL BE RESPONSIBLE FOR THE DESIGN AND THE
SERVICE AND SHALL RETAIN ALL COMMON LAW
RIGHTS AND OTHER RESERVED RIGHTS, INCLUDING
COPYRIGHTS.

SEAL:

NAME:
CONSTRUCTION DOCUMENTSISSUE DATE:
DECEMBER 12, 2023SHEET TITLE:
DESIGN WIND PRESSURES - ROOFS

SHEET:

S-003



WIND_ZONE_WIDTHS

0.2h = 5.4 FT = 5'-4 3/4"

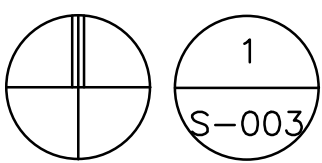
0.6h = 16.2 FT = 16'-2 1/2"

GROSS WIND UPLIFT PRESSURES

ZONE NUMBER	UPLIFT ON ROOFING MEMBRANE (PSF)	REMARKS
①	-147.1	MAIN ROOF
②	-204.7	MAIN ROOF
③	-130.3	LOW ROOF
④	-181.3	LOW ROOF

NOTES:

- WIND PRESSURES ON ROOFS WERE DETERMINED, ACCORDING TO THE FLORIDA BUILDING CODE, 7TH EDITION (2020) AND ASCE 7-16, MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDING AND OTHER STRUCTURES.
- DESIGN WIND SPEED: 175 MPH
TERRAIN EXPOSURE: C
RISK CATEGORY: II
BUILDING TYPE: ENCLOSED
- WIND PRESSURES GIVEN ARE ULTIMATE DESIGN VALUES. TO OBTAIN SERVICE VALUES MULTIPLY BY 0.6.



DESIGN WIND PRESSURES DIAGRAM - ROOFS

SCALE: 3/16"=1'-0"

This has been digitally signed and sealed
by Carlos F. Sans, PE, on December 12, 2023.
Printed copies of this document are not considered
signed and sealed and the signature must be
signed and sealed in the presence of a notary public.