

December 30, 2021

Miami Beach Building Department
1700 Convention Center Dr, Miami Beach, FL 33139
Boards and Committees

RE: Narrative: The structural solution proposed for the house renovation at 1300 LENOX ALTON ROAD
MIAMI BEACH, FLORIDA 33139

Dear Building official:

I have performed the preliminary design of the renovation mentioned above; accordingly, this document shall describe the proposed structural solution supported on the provided drawings.

This project aims to increase the ground floor elevation of the house to fulfill the required flood level; then, the following steps shall display the solution adopted.

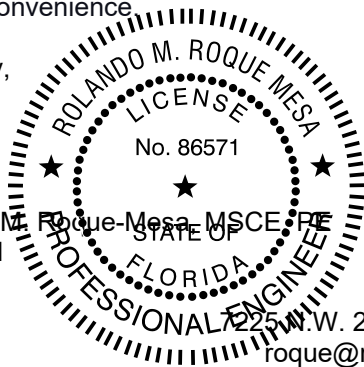
- The existing roof trusses will be demolished.
- The existing CMU walls shall reinforce as required, and all the cells will fill below the new fill ground level.
- A new "slab on grade" supported on compacted soil shall pour and connect to the CMU exterior wall.
- Add new CMU walls, and a tie-beam is required on the existing tie beam to reach the wanted ceiling height.
- The new CMU on the exiting CMU wall causes additional weight then the existing foundation is reinforced with helical piles; nevertheless, it shall be confirmed or changed after the analysis of the soil report results to be performed.
- New wood prefabricated roof trusses connected to the tie beam will provide the structural roof system.

The previous describes the typical section in the sheet S2.00

Should you have any questions or need any additional information, please do not hesitate to contact me at your convenience

Sincerely,

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