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Residential Projects

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Druin Residence

PRIVATE PROJECTS



Location: 17501 NE 6th Ave, Miami, FL, 33162

Design time: 2016

Area: 13,000 Square feet

About the project: Design of a 3-story residence. Structure framing consisted of concrete columns, masonry walls, concrete mat foundation, concrete beams, steel joists and metal deck roofs.

San Marino Residence



Location: 306 West San Marino Drive, Miami Beach, Florida 33139

Design time: 2015

Area: 10,591 square feet.

About the project: Design of a 2 story residence. The structural framing consisted of auger-cast concrete piles and grade beams foundations, concrete slabs and concrete columns and beams frame with masonry wall panels. The design of this building included the design of retaining walls for the multilevel pool deck supporting earth and other to serve as pool walls.

Meyer Residence

PRIVATE PROJECTS



Location: 6001 SW 70th Ave., Miami, Florida

Design time: 2016

Area: 6,000 square feet

About the project: A 2-story residential building. Structural framing consisted of steel deck slabs, supported on a mat foundation concrete column frame with masonry wall panels.

Shvartsman Residence



Location: 251 189th St. Sunny Isles, FL33160

Design time: 2017

Area: 8,000 square feet.

About the project: A 3-story residential building. The structure framing consisted of auger-cast concrete piles and grade beams foundations, concrete slabs, concrete column frame, masonry wall panels, steel joists and metal deck system.

Bittan Residence

PRIVATE PROJECTS



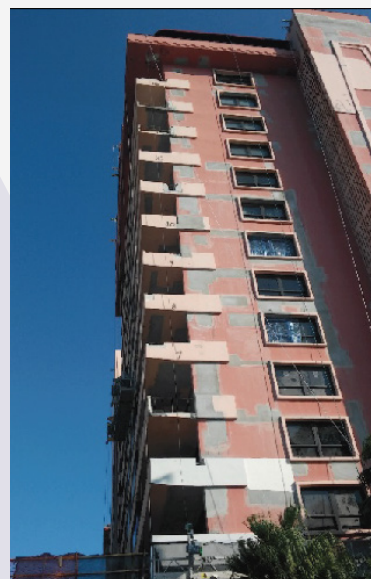
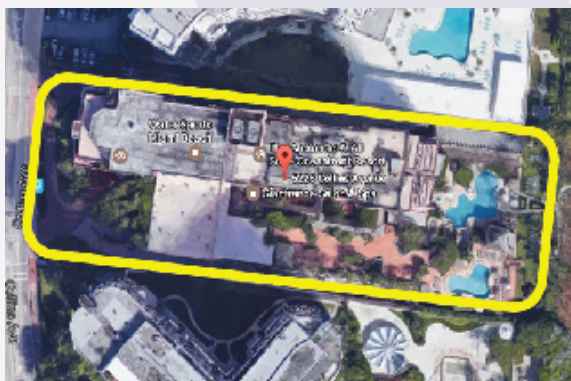
Location: 610 S. Shore Dr. Miami Beach, FL 33141

Design time: 2017

Area: 8,700 Square feet

About the project: Structural and civil design of a 2-story residence. Structure framing consisted of concrete beams, concrete columns, steel beams, steel columns, concrete shear walls, masonry walls and grade beam foundation.

Alexander All Suite Oceanfront Resort



Location: 5225 Collins Ave, Miami Beach, FL 33140.

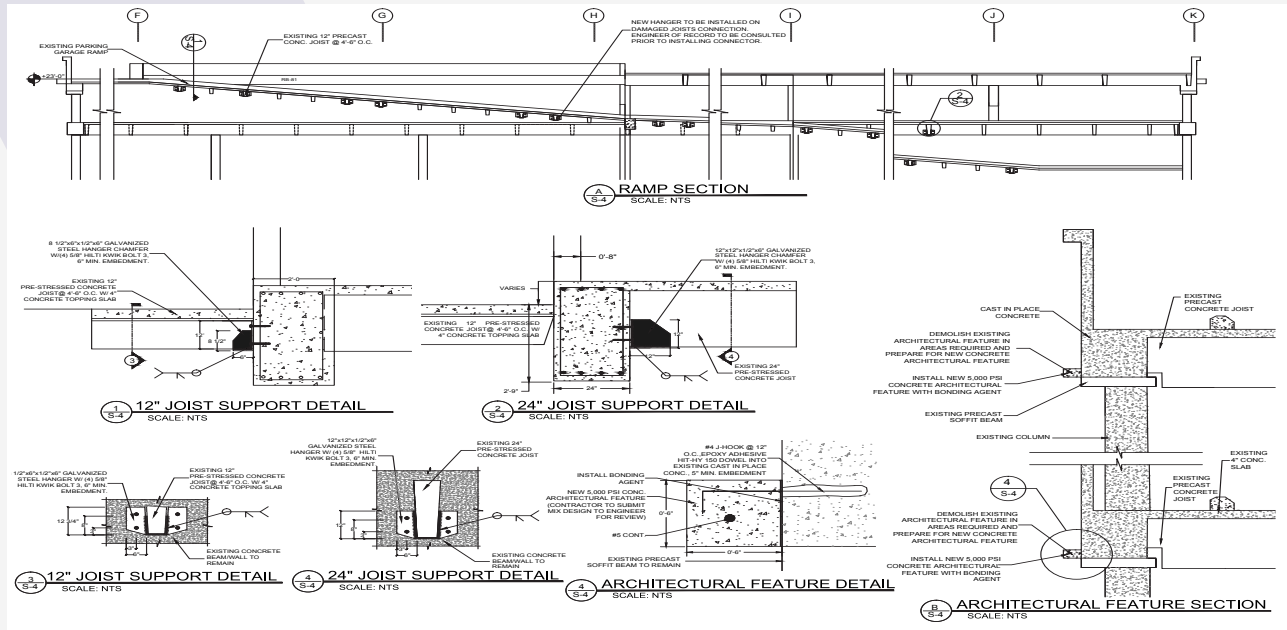
Design time: 2016

Area: 730 - 1630 Square feet

About the project: For 5 years part of our staff has provided several services to the 17 story hotel and condominium, including concrete restoration for approx. 31,000 sf of balconies and parapets; cabanas and stairs damage assessment surveys; repair plans for concrete columns, damaged stucco on all perimeters of concrete beams, eyebrows, window openings of existing building and garage structures; and new pool deck repair plans and re-design. We also provided shop drawings for different complementary structures such as stairs, railings, roof top equipment protection, among others.

Our company provided construction administration services, concrete restoration inspections, structural inspections during the repair process and after all restorations were completed a final 40 Year Certification was provided as required by the FBC guidelines. After the 40 year certification a continued services agreement was put in place to provide any other structural and/or civil related service.

Arlen House



Location: 100 Bayview Dr. Sunny Isle Beach, FL 33160.

Design time: 2016

About the project: Our staff worked in this building where the scope of work consisted in the removal and replacement of spalled, delaminated and deteriorated concrete, cracked columns and walls repair, installation of new supports in Joists to wall/beam connection, installation of new waterproofing system at traffic decks of the 60,000 sf parking garage. Also, our staff provided the construction support needed to perform all the repairs while having the parking garage in use. Appropriate staging was needed on this project.

In addition, our staff prepared an assessment report to address the findings after the inspection of the east sea wall of the property. Damages included some voids underneath the sidewalk slab running along the seawall. Seawall cap was showing concrete cracks and heavy rebar corrosion. Masonry block wall on top of southside seawall showed vertical cracks due to the seawall cap unstable condition. We recommended to inject a polyurethane grout (Prime Flex 910) below and above the retaining wall foundation to stabilize the soil and avoid soil migration without having to modify the existing wall as well as seal the existing cracks. Different alternatives for the repair of these walls were also provided.

Florida Tower Condos (ongoing)



Location: 6422 Collins Ave, Miami Beach, FL 33141

Design time: 2018-2019

About the project: Our company was retained by the Board of Members of the 19 story building, for the sound and mark evaluation of the tower concrete envelope and the assessment inspections during the exploration process to determine the structure condition. Also, we prepared a Basis of Design Report and the book of specifications needed for the bidding process, as part of the construction administration and construction management services. In addition, we executed a continued service agreement with the Board of Members for all necessary structural and/or civil related service consultation, inspection and assessment needed.

Solo Condos (ongoing)

Location: 840 NE 130th St, Miami, FL

Design time: 2018-2019

Area: 18,000 sf

About the project: Structural designs for a 6 story building, consisting of shear walls, concrete beams, concrete columns and post tensioned concrete slabs to support all vertical and lateral acting loads.

PRIVATE PROJECTS



Buena Vista Lofts



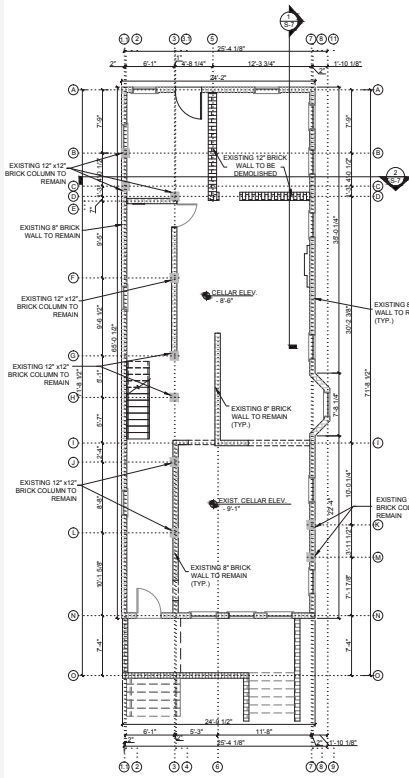
Location: 4670 NE 2nd Ave. Miami, FL33137

Design time: 2017

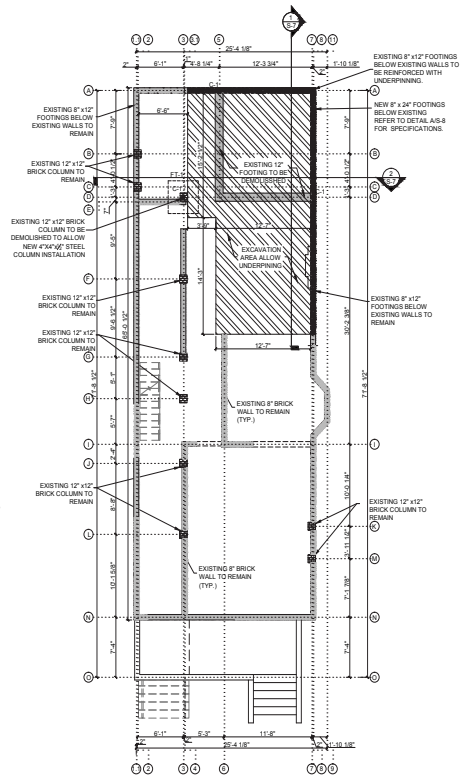
Area: 28,000 Square feet

About the project: Design of mix-use building. The structure framing consisted of masonry walls, concrete mat foundation, concrete beams, post tensioned slabs & metal deck mezzanine.

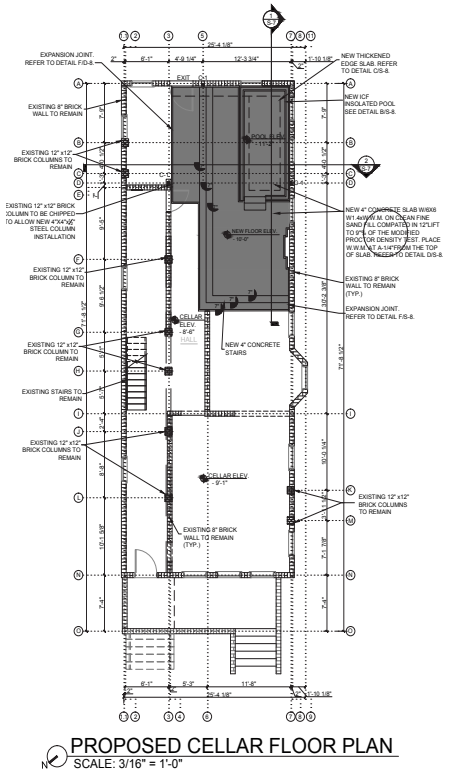
Structural Repairs






 EXST. BUILDING CELLAR PLAN
SCALE: 3/16" = 1'-0"



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



PROPOSED CELLAR FLOOR PLAN
SCALE: 3/16" = 1'-0"

LEGEND	
EXISTING BRICK WALL	
EXISTING BRICK COLUMN TO REMAIN	
NEW STEEL COLUMN	



Location: 1090 Greene Ave. Brooklyn, New York 11221

Design time: 2017

Area: 1,800 Square feet

About the project: The set of structural plans included the underpinning of the perimeter basement walls, the installation of new transfer beams and columns and the necessary shoring plans for the bearing wall removal.

PRIVATE PROJECTS

