Restoration Projects 2014

4444 SW 71 AVE., SUITE 103
MIAMI. FLORIDA 33155
TEL: 305.665.4555
FAX: 305.665.5522
www.usstructuresinc.com
CA 8439

U.S. STRUCTURES, INC.

U.S. Structures, Inc. (*USSi*) is a South Florida based professional firm providing structural engineering services since 2000. *USSi* has an established reputation in our community and is committed to providing courteous service, precise engineering design and practical solutions for a vast array of projects. *USSi* offers the following structural engineering services:

- ***Structural Engineering Analysis and Design***
- ***Residential, Commercial, High-Rise and Government Projects***
- ***Historic Restoration***
- ***Concrete Restoration and Repair***
- ***Structural Steel Restoration and Repair***
- ***Post-tension Repairs***
- ***Painting and Waterproofing Specifications***
- ***Shoring and Re-shoring Design***
- ***40-year Re-certifications***
- ***Forensic Engineering***
- ***Threshold Inspections***
- ***FL PE #54891 / SI #1180 / CA #8439***

Please refer to a representative sampling of our most notable restoration projects attached herein. We thank you for your time and consideration; and please do not hesitate to contact us for an evaluation of your project.

The Biltmore Hotel - Cupola & Tower Restoration & Repairs

1200 Anastasia Avenue, Coral Gables, FL

Project Type:
Hotel
Historic Restoration
Threshold Inspector

Dates:
2001-2005

Owner:
Seaway Group

Architect:
None

Contractor:
Con-tech

Reference / Contact:
Jack Dronzek
305.445.1926

Description:
Scope of work included structural engineering services for the restoration and repairs of the copola and tower portion of The Biltmore Hotel located in Coral Gables, Florida. Services included the following:

- USSI was originally retained to repair the tower portion of the hotel in 2001, which was completed in 2005.
- Scope included structural steel repairs, concrete repairs, precast concrete repairs of historic elements, copper repairs, roofing, painting and waterproofing.
- Services included structural analysis and design.
- Preparation of concrete and steel repair and restoration specifications.
- Preparation of structural drawings and calculations.
- Coordination with City of Coral Gables Building Department and Municipal Inspector.
- Coordination and consultation with owner and Historical Department.
- Assistance to owner developing quantities, budgets, reviews of contracts, and contractor selection.
- Review of shop drawings and structural submittals, including steel, material specs and pre-cast items.
- Review and inspection of shoring and re-shoring plans.
- Threshold inspections during the entire construction process, including site observations, maintenance of inspection log and preparation of written reports.

The Biltmore Hotel - Main Building Restoration & Repairs

1200 Anastasia Avenue, Coral Gables, FL

Project Type:
Hotel
Historic Restoration
Threshold Inspector

Dates:
2001-2011

Owner:
Seaway Group

Architect:
None

Contractors:
C.A. Lindman
Con-tech
Custom Group

Reference / Contact:
Jack Dronzek
305.445.1926

Description:
Scope of work included structural engineering services for the restoration and repairs for the complete restoration of The Biltmore Hotel located in Coral Gables, Florida. Services include the following:

- USSI was originally retained to repair the tower portion of the hotel in 2001, which was completed in 2005.
- The Biltmore extended the services of USSI to provide the 40-year structural recertification for the entire hotel property.
- Subsequent to the findings, USSI commenced the full restoration of the entire hotel property.
- Services include structural analysis and design.
- Preparation of concrete repair and restoration specifications.
- Preparation of structural drawings and calculations.
- Coordination with City of Coral Gables Building Department and Municipal Inspector.
- Coordination and consultation with owner and Historical Department.
- Assistance to owner developing quantities, budgets, reviews of contracts, and contractor selection.
- Review of shop drawings and structural submittals, including steel, material specs, steel rails and pre-cast items.
- Review and inspection of shoring and re-shoring plans.
- Threshold inspections during the entire construction process, including site observations, maintenance of inspection log and preparation of written reports.

The Coral Gables Congregational Church - Bell Tower Restoration

3010 DeSoto Boulevard, Coral Gables, FL

Project Type:
Church
Historic Restoration
Threshold Inspector

Dates:
2006-2009

Owner:
CGCC

Architect / Reference:
RED Design Group
Mr. Eduardo Muhiña
305.631.7004

Sub-Contractor:
C.A. Lindman

Description:
Scope of work included structural engineering services for the restoration and repairs of the existing Bell Tower for the Coral Gables Congregational Church located in Coral Gables, Florida. Services included the following:

- On-site evaluation of existing conditions and deterioration.
- Structural analysis and design.
- Preparation of concrete repair and restoration specifications.
- Preparation of structural drawings and calculations.
- Coordination with City of Coral Gables Building Department and Municipal Inspector.
- Coordination and consultation with Architect and Historical department.
- Review of shop drawings and structural submittals, including steel, material specs, steel rails and pre-cast items.
- Review and inspection of shoring and re-shoring plans.
- Threshold inspections during the entire construction process, including site observations, maintenance of inspection log and preparation of written reports.

The Freedom Tower - Cupola & Weathervane Repairs

600 Biscayne Boulevard, Miami, FL

Project Type:
Office Building
Historic Restoration
Threshold Inspector

Dates:
2008-2010

Owner:
Miami Dade College

Architect:
None

Contractor:
Dooley Mack, Inc.

Reference / Contact:
Andy Leon
305.237.0581

Description:
Scope of work included structural engineering services for the restoration and repairs of the existing cupola and weather vane for the Freedom Tower, located in Downtown Miami, Florida. Services include the following:

- On-site evaluation of existing conditions and deterioration.
- Services included structural analysis and design.
- Preparation of concrete and structural steel, repair and restoration specifications.
- Preparation of structural drawings and calculations.
- Coordination with City of Miami Building Department and Municipal Inspector.
- Coordination and consultation with MDC internal review and Historical Department.
- Review of shop drawings and structural submittals, including steel, material specs, steel and pre-cast items.
- Review and inspection of shoring and re-shoring plans.
- Threshold inspections during the entire construction process, including site observation, maintenance of inspection log and preparation of written reports.

Botanica at Key Colony IV – Post-Tension and Concrete Repairs

101 Crandon Boulevard, Key Biscayne, FL

Project Type:
Condominium Building
Structural Repairs
Threshold Inspector

Dates:
2009-2010

Architect:
None

Contractor:
National Concrete Preservation, Inc.

Reference / Contact:
Mr. Juan Lopez
786.402.8179

Description:
Scope of work included structural engineering services for the restoration and repair of 43 damaged post tensioning cables and adjacent concrete of the Botanica Condominium at Key Colony IV, located in Key Biscayne, Florida. Services include the following:

- On-site evaluation of existing conditions and deterioration.
- Services include structural analysis and design and preparation of concrete and post-tensioning repair and restoration specifications.
- Coordination with Village of Key Biscayne Building Department and Municipal Inspector.
- Review of shop drawings and structural submittals, including steel, material specs, post-tensioning and shoring plans.
- Threshold inspections during the entire construction process, including site observation, maintenance of inspection log and preparation of written reports.

Botanica at Key Colony IV – Overall Restoration and Waterproofing

101 Crandon Boulevard, Key Biscayne, FL

Project Type:
Condominium Building
Structural Repairs
Threshold Inspector

Dates:
2010-present

Architect:
None

Contractors:
SPS Structural Group
Restore Const. Group

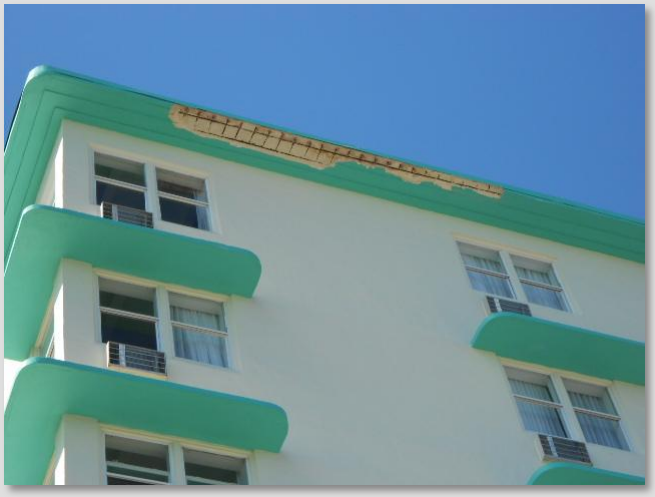
Reference / Contact:
Mr. Eddy Pereira
305. 361.3663

Description:
Located in Key Biscayne, Florida, Botanica Condominium at Key Colony IV is a complex comprised of 8 building sectors; each 5-stories for a total of 293 units. Scope of work included the complete survey of property and the preparation of repair specifications for the entire condominium complex. Services include the following:

- On-site evaluation of existing conditions and deterioration.
- Preparation of repair specifications for concrete repairs, post-tension repairs, waterproofing and sealing, painting, and expansion joints.
- Preparation of bid package, pre-bid meeting, and review of bid submittals.
- Coordination with the Associations, Property Manager, Village of Key Biscayne Building Department and Municipal Inspector.
- Review of shop drawings and structural submittals, including steel, material specs, post-tensioning and shoring plans.

Days Inn Hotel – Structural Repairs

7450 Ocean Terrace, Miami Beach, FL



Project Type:
Historic Structure
Hotel
Structural Repairs
Threshold Inspector

Dates:
2012-2013

Architect:
None

Contractor:
ProMax, Inc.

Reference / Contact:
Mr. Hector Ortiz
305.866.1631

Description:
Days Inn is a historic, 7-story hotel located beach side in the City of Miami Beach, Florida. USSi was retained to address the damaged concrete eyebrows that dislodged from the building surface. Services included the following:

- On-site evaluation of existing conditions and deterioration.
- Preparation of repair specifications for concrete repairs, precast elements, waterproofing, sealing and painting.
- Preparation of bid package, pre-bid meeting, and review of bid submittals.
- Coordination with the Owner, Contractor, City of Miami Beach Building Department and Municipal Inspector.
- Review of shop drawings and structural submittals, and material specs. Review and inspection of shoring and re-shoring plans.
- Special inspections during the construction process, including site observations, maintenance of inspection log and preparation of written reports.

The Collins Condominium– Structural Repairs and Waterproofing

6917 Collins Avenue
Miami Beach, Florida

Project Type:
Condominium Building
Structural Repairs
Waterproofing

Dates:
2012-present

Architect:
None

Contractor:
GC Construction, Inc.

Reference / Contact:
Ms. Janine Oliveria
305.867.9998

Description:
The Collins is an existing 17-story, 239-unit condominium located in Miami Beach, Florida. Scope of work is separated into three phases including select emergency concrete repairs; parking deck repairs and waterproofing; and concrete repairs at lower level garage. Services include the following:

- On-site evaluation of existing conditions and deterioration.
- Preparation of as-built drawings to document existing conditions and for use in permit set of repair drawings.
- Preparation of repair specifications for concrete repairs, waterproofing, sealing and painting. Preparation of bid package, pre-bid meeting, and review of bid submittals.
- Coordination with the Owner, Contractor, City of Miami Beach Building Department and Municipal Inspector.
- Special inspections during the construction process, including site observations, maintenance of inspection log and preparation of written reports.

Macy's Dadeland Mall – Structural Repairs

Dadeland Mall, Miami, Florida

Project Type:
Department Store
Parking Garage
Structural Repairs
Threshold Inspector

Dates:
2013-present

Architect:
None

Contractor:
LC Construction, LLC

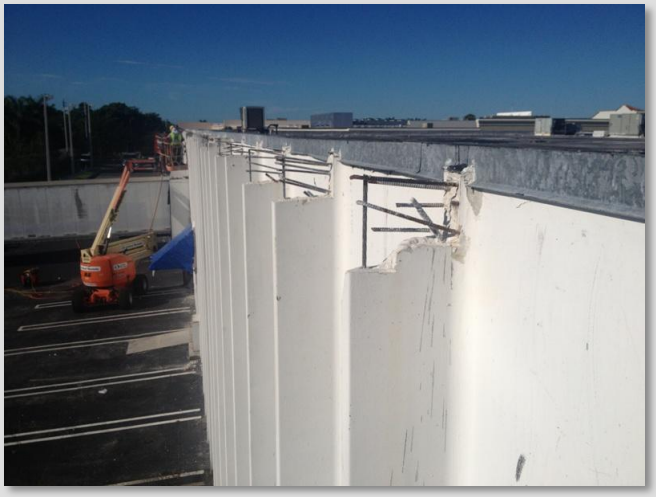
Reference / Contact:
Mr. Daniel Canelo
888.283.2317

Description:
Macy's department store located at Dadeland Mall includes the main store structure and adjacent 6-story parking garage. Scope of work includes the structural repair and restoration of specific items in response to deficiencies noted in 40-year recertification report. Areas of work included concrete, steel and waterproofing repairs. Services include the following:

- On-site evaluation of existing conditions and deterioration.
- Preparation of repair specifications for concrete repairs, structural steel repairs, precast elements, waterproofing, sealing and painting.
- Coordination with the Owner reps, Contractor, Miami Dade County Building Department and Municipal inspector.
- Review of shop drawings and structural submittals, and material specs. Review and inspection of shoring and re-shoring plans.
- Special inspections during the construction process, including site observations, maintenance of inspection log and preparation of written reports.

Macy's Furniture Gallery – Structural Repairs

13251 South Dixie Highway, Village of Pinecrest, Florida



Project Type:
Department Store
Structural Repairs
Threshold Inspector

Dates:
2013

Architect:
None

Contractor:
LC Construction, LLC

Reference / Contact:
Mr. Daniel Canelo
888.283.2317

Description:
Macy's furniture Gallery is located near The Falls in Pinecrest, Florida. Scope of work includes the structural repair and restoration of specific items in response to deficiencies noted in 40-year recertification report. Areas of work included concrete, steel and waterproofing repairs. Services include the following:

- On-site evaluation of existing conditions and deterioration.
- Preparation of repair specifications for concrete repairs, structural steel repairs, precast elements, waterproofing, sealing and painting.
- Coordination with the Owner reps, Contractor, Village of Pinecrest Building Department and Municipal Inspector.
- Review of shop drawings and structural submittals, and material specs.
- Special inspections during the construction process, including site observations, maintenance of inspection log and preparation of written reports.

Ocean Bank -Structural Repairs

780 Northwest 42nd Avenue Terrace, Miami, FL

Project Type:
Parking Garage
Structural Repairs
Threshold Inspector

Dates:
2013-present

Architect:
None

Contractors:
Teamwork, LLC

Reference / Contact:
Mr. Eric Concepcion
305.525.2808

Description:
Ocean Bank is located in Miami, Florida. Scope of work includes the structural repairs and restoration of the existing 6-story parking garage. Areas of work include concrete, masonry, precast elements, expansion joints, post-tension rails and waterproofing. Services include the following:

- On-site evaluation of existing conditions and deterioration.
- Preparation of repair specifications for concrete repairs, precast elements, masonry, expansion joints, post-tension rails, waterproofing, sealing and painting.
- Preparation of bid package, pre-bid meeting, and review of bid submittals.
- Coordination with the Owner, Contractor, Miami Dade County Building Department and Municipal Inspector.
- Review of shop drawings and structural submittals, and material specs. Review and inspection of shoring and re-shoring plans.
- Special inspections during the construction process, including site observations, maintenance of inspection log and preparation of written reports.

Miami Dade County Courthouse – Structural Repairs

73 West Flagler Street, Miami, Florida

Project Type:
High Rise Office Building
Historical Restoration

Dates:
2013-present

Architect:
None

Contractor:
Advanced Structural Concepts, Inc.

Reference / Contact:
Mr. Jeffery Aquino
(305) 375-5855

Description:
The Historic Miami Dade County Courthouse is located in Downtown, Miami. The 28-sstory structure was built between 1925-28. Scope of work includes the assessment, evaluation and repair specification of the existing 144 columns at the basement level. Engineering services include condition survey, repair drawings and specifications, permitting, preparation of bid documents, and construction management for the NDE evaluation and repair of the existing basement level column encasements. Services include the following:

- Provide a nondestructive evaluation (NDE) of the existing 144 columns within the basement level of the courthouse
- Preparation of repair specifications for concrete and structural steel repairs.
- Preparation of shoring and re-shoring plans.
- Coordination with the Owner, Contractor, Miami Dade County Building Department and municipal inspector.

Biltmore II Condominium – Existing Post-Tension Repairs

600 Biltmore Way, Coral Gables, Florida

Project Type:
High Rise Condominium
Threshold Inspections

Dates:
2013-2014

Architect:
None

Contractor:
SPS Structural Group

Reference / Contact:
Ms. Ana Abramowitz
(305) 448-4765

Description:
The Biltmore II Condominium is a 14-story, 232-unit residential tower located in Coral Gables, Florida. Engineering services included the repair of select post-tension cables located at the first floor level. Services include the following:

- On-site evaluation of existing conditions.
- Preparation of repair specifications for post-tension and concrete repairs.
- Coordination with the Owner, Contractor, City of Coral Gables Building Department and Municipal Inspector.
- Review of shop drawings and structural submittals.

Special inspections during the construction process, including site observations, maintenance of inspection log and preparation of written reports.

Villa San Remo Condominium – Restoration and Repairs

1515 San Remo Avenue, Coral Gables, Florida

Project Type:
Low Rise Condominium
40YR Recertification
Threshold Inspections

Dates:
2014-present

Architect:
None

Contractor:
TBD

Reference / Contact:
Ms. Janet Medina
(305) 785-3662

Description:
Villa San Remo is a 3-story, 47-unit residential condominium located in Coral Gables, Florida. USSi has been retained by the Association to provide engineering services for the full restoration and repair of the property, including roofing, windows, concrete repairs and waterproofing. Services include the following:

- On-site evaluation of existing conditions.
- 40-year re-certification for both Electrical and Structural requirements.
- Preparation of roofing specifications for complete re-roofing including existing mansards.
- Preparation of repair specifications for concrete repairs.
- Preparation of wind load calculations and drawings for replacement of all existing windows with new impact resistant glazing.
- Preparation of bid package, pre-bid meeting, and review of bid submittals.
- Coordination with the Owner, Contractor, City of Coral Gables Building Department and Municipal Inspector.
- Special inspections during the construction process, including site observations, maintenance of inspection log and preparation of written reports.

Coral Gate East Condominium – Structural Repairs

6930-6940-6950-6960 Northwest 186th Street, Florida

Project Type:
Low Rise Condominium
40YR Recertification
Threshold Inspections

Dates:
2013-present

Architect:
Juan Salinas, RA

Contractor:
TBD

Reference / Contact:
Mr. Juan Salinas
(305) 265-3737

Description:
Coral Gate East Condominium is a 5-story, 321-unit residential condominium located in Miami Gardens, Florida. USSi was originally retained to provide the site observations and report for the structural portion of the 40YR recertification. Upon completion of the report, the Association retained the services of USSi to provide the contract documents addressing the structural deficiencies. Services include the following:

- On-site evaluation of existing conditions.
- 40-year re-certification for Structural items.
- Preparation of repair specifications for concrete repairs, stucco, aluminum and steel railings.
- Preparation of bid package, pre-bid meeting, and review of bid submittals.
- Coordination with the Owner, Contractor, Miami-Dade County Building Department and Municipal Inspector.
- Special inspections during the construction process, including site observations, maintenance of inspection log and preparation of written reports.

Helen Mar Condominium - Historic Restoration & Repairs

2421 Lake Pancoast Drive, Miami Beach, FL

Project Type:
Condominium
Historic Restoration
Threshold Inspector

Dates:
2014-present

Owner:
Helen Mar Condo. Assoc.

Architect:
None

Contractor:
National Concrete
Preservation, Inc.

Reference / Contact:
David Raposo
305.535.0975

Description:
Scope of work includes structural engineering services for the restoration and repairs for the exterior restoration of The Helen Mar Condominium located in Miami Beach, Florida. Services include the following:

- On site evaluation of existing structual conditions.
- Preparation of concrete repair and restoration specifications.
- Preparation of structural drawings and calculations.
- Coordination with the City of Miami Beach Building Department and Municipal Inspector.
- Coordination and consultation with owner and MB Historical Department.
- Assistance to owner developing quantities, budgets, reviews of contracts, and contractor selection.
- Threshold inspections during the entire construction process, including site observations, maintenance of inspection log and preparation of written reports.