

September 23, 2020

## PRINCETON PLACE AT WIGGINS BAY CONDOMINIUM FOUR ASSOCIATION, INC.

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Subject:

STRUCTURAL EVALUATION - OPINION LETTER

360 Horse Creek Drive

Naples, Collier County, Florida 34110

Forge Engineering Project Number 5535-002.01

Forge Engineering Inc. (FORGE) is pleased to present this opinion letter regarding engineering consulting services for the subject building. This letter has been generated as requested by you and presents our opinion of the structural conditions encountered on the subject building. The building appears to be supported on a deep foundation system and was constructed with cast–in-place concrete components and stucco covered masonry block walls.

We visited the site on September 17, 2020. During our site visit, we observed structural distress throughout the rear of the building. The greatest distress was observed on the balconies deck located along the rear of the building. Specifically, along the deck edge of the subject balconies. Additional distress was also observed on a vertical structural component near the southeast corner of the building. Minor cracking was noted on the edge of the breezeways located along the front of the building.

It is our professional engineering opinion that a concrete restoration project shall be completed within the next year to remediate the concrete deterioration (structural distress) occurring at the building. Without attention or repairs, the structural distress observed during our site visit will likely continue or accelerate as well as it may compromises the structural integrity of the affected structural components.

In addition, it is extremely important to provide weather protection (i.e. painting, waterproofing, sealing, etc.) to the exteriors of reinforced concrete structures located in coastal regions. Buildings and structures near saltwater bodies must be continually

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maintained to preserve their structural integrity and to protect themselves from weathering conditions typical of Southwest Florida. Therefore, we would like to recommend as well that the building exterior be recoated and have all exterior joints, windows, doors, penetrations, etc. sealed or resealed with appropriate sealant materials.

If requested, FORGE could assist the Association in preparing the plans and specifications once the Association decides to move forward with the recommended repairs. The specifications and plans would be adequate for a contractor to bid, permit and perform the remediation.

## Closing

We appreciate the opportunity to have been of service to you. Should you have any questions or if we can be of further assistance, please call us.

Sincerely,



Forge Engineering, Inc. Florida Cert. of Auth. No. 7544

Digitally signed by Felix M. Anton, P.E., S.I. 77755
State of Florida
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Felix M. Anton, P.E., S.I.
Senior Engineer, Special Inspector
Florida Registration No. 77755
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1 - File

Felix M. Anton, P.E., S.I., License No 77755 State of Florida

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