

DAMMON ENGINEERING, INC.

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CONSULTING

DESIGN

STUDIES

EXPERT WITNESS

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February 8, 2007

STRUCTURAL CERTIFICATION

For: Sonny Drouilhet
Location: 135 N Roadway
New Orleans, La 70460

To Whom It May Concern:

Building Description: Two story boat house with living space/wood frame on pilings/metal roof

Scope:

This inspection is limited to a visual inspection of the pilings above the water level. No inspection of the mechanical or electrical systems, interior and exterior walls, ceilings, floors, or roof was performed.

History:

Mr. Drouilhet contacted Dammon Engineering to perform a structural inspection on the piling system of the referenced residential property. Mr. Drouilhet stated that water did enter the building to an approximate height of four feet during Hurricane Katrina. The building is approximately thirty five years old.

Findings:

This inspection covered visible components of the pilings above the water level on this day and their % of capability to support the home with bearing loads as compared to their original size.

1. Piling #1 has deteriorated to fifty percent. Recommend repairing by concrete encasement with steel reinforcing.
2. Piling # 16 has a split running vertically above and below the water line approximately 1/2" deep. Recommend repairing by concrete encasement with steel reinforcement
3. The remaining pilings have deteriorated approximately twenty percent or less. No action need be taken at this time, but to guarantee longevity all piles should be treated with concrete and steel reinforcement.
4. The cross braces have rotted and are falling off of the piles. Replacement of the cross braces is recommended.

Conclusion:

I certify the piling system for the above residence is structurally sound and capable of being restored to near its original design load values.

Sincerely,

Emmett Dammon
La. License 8796

SONNY DROULHE
 FILE
 JOB NO.
 DATE:02-07-07
 SHEET 1
 P-1
 OF 1

135 N. Roadway
 DAMMON ENGINEERING, INC.
 1096 FLORIDA AVENUE 988-649-6888
 BIRMINGHAM, AL 35202

PILENG PLAN
 135 N. Roadway
 New Orleans, LA 70124

PILE#	ORIGINAL CIRCUM	ORIGINAL DIAM	CURRENT CIRCUM	CURRENT DIAM	CONDITION
PILE1	39"	12.4"	24"	7.64"	POOR
PILE2	40"	12.75"	31"	9.87"	FAIR
PILE3	40"	12.75"	33"	10.50"	GOOD
PILE4	39"	12.40"	33"	10.50"	GOOD
PILE5	39"	12.40"	32"	10.82"	GOOD
PILE6	38"	12.10"	32"	10.18"	GOOD
PILE7	36"	11.46"	32"	10.50"	GOOD
PILE8	40"	12.75"	34"	10.82"	GOOD
PILE9	CONC	CONC			GOOD
PILE10	39"	12.40"	38"	12.10"	GOOD
PILE11	37"	11.78"	31"	9.87"	GOOD
PILE12	40"	12.75"	36"	11.46"	GOOD
PILE13	39"	12.40"	35"	11.14"	GOOD
PILE14	37"	11.78"	35"	11.14"	GOOD
PILE15	40"	12.75"	36"	11.46"	GOOD
PILE16	36"	11.46"	35"	11.14"	FAIR
PILE17	36"	11.46"	31"	9.87"	GOOD
PILE18	36"	11.46"	36"	11.46"	GOOD
PILE19	42"	13.37"	39"	12.42"	GOOD
PILE20	39"	12.40"	34"	10.82"	GOOD
PILE21	39"	12.40"	32"	10.19"	GOOD

- NOTES
1. THE PILES WERE TESTED FOR EROSION AND DECAY.
 2. MEASUREMENTS WERE TAKEN AT LOW TIDE.
 3. THE ORIGINAL CIRCUMFERENCE WAS MEASURED AT THE TOP OF THE PILE.
 4. THE CURRENT CIRCUMFERENCE WAS MEASURED AT THE SMALLEST DIAMETER ABOVE THE WATER LEVEL.
 5. ONE INCH SHOULD BE SUBTRACTED FROM THE CURRENT MEASUREMENTS ALLOWING FOR WATER SOAKED AND DECAYED WOOD.
 6. THE CROSS BRACING IS ROTTED AND NOT ATTACHED TO PILING.

