### CONSTRUCTION TESTING CORPORATION

13873 N.W. 19<sup>th</sup> Avenue Miami, Florida 33054 Phone: 305-685-6657 Fax: 305-685-6659 Email: ctclab@bellsouth.net

Report No: 06-006

3 March 2006

Test Dates: 3 March 2006

## TESTS ON CAT-5 HURRICANE NETTING SYSTEM

Client:

# **CAT-5 PROTECTION, INC.**

4441 North Dixie Highway Boca Raton, Florida 33431

Phone: 561-391-2888 Fax: 561-391-2862

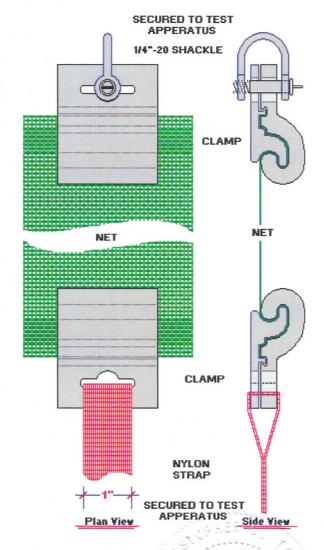
<u>General</u>: Tensile Load applied at a moderate rate, until failure, on a CAT-5 HURRICANE NETTING SYSTEM assemblies to determine the typical mode of failure and average test load for State of Florida Evaluation and Approval.

#### Witness to Testing:

Christopher G. Tyson, P.E.: Witness Raina Williams: CTC Test Assistant George Dotzler: CTC Test Engineer

Description of Test Specimen: The test specimen consisted of five, CAT-5
HURRICANE NETTING SYSTEM
Assemblies (A, B, C, D & E). Each individual assembly consisted of a ¼"-20
Shackle holding a two part clamp (Part B into Part A trapping the end of the CAT 5 Net) a six foot long by one foot wide segment of CAT 5
Net a second two part clamp (Part B into Part A trapping the end of the CAT 5 Net), with a one inch wide Nylon Strap wrapping through the clamp.

These were installed in series to each other with the nylon stap secured to the test frame at one end and the ¼"-20 Shackle secured to a CHATILLON WT12 Dynamometer and Hydraulic Cylinder which is also secured to the test frame at the other end.



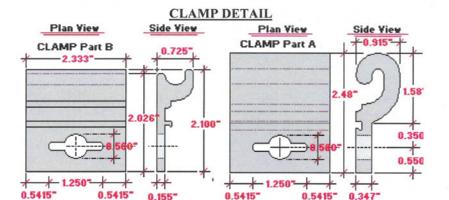
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03-03-06

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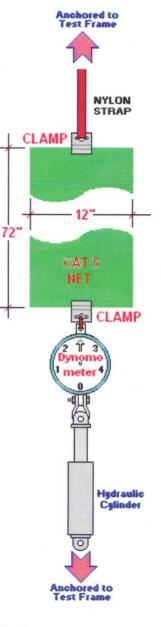


Manner of Testing: Five specimen were installed as previously described and tested individually. These were installed with a nylon strap secured to the test frame at one end and a ¼"-20 shackle secured to a CHATILLON WT12 Dynamometer and Hydraulic Cylinder which is also secured to the test frame at the other end. The Dynamometer is connected in series between the specimen and a hydraulic cylinder (to apply the test loading and secured to the opposite end of the test frame) was used to determine the load at failure. Loads were applied at a moderate rate, the load at failure and mode of failure were recorded. Test Data follows:

#### CAT-5 HURRICANE NETTING SYSTEM ASSEMBLIES

Axial Tested: 10/3/02 Witnessed By: George Dotzler & Christopher G Tyson, P.E.

Sample	Load Rate In's / Sec.	Ultimate Load Lbs	% Diff to Average	Typical Failure Description
Α	0.118	380	-1.04%	Net Tore Out of Clamp
В	0.118	430	11.98%	Net Tore Out of Clamp
С	0.113	360	-6.25%	Net Tore Out of Clamp
D	0.114	380	-1.04%	Net Tore Out of Clamp
E	0.113	370	-3.65%	Net Tore Out of Clamp
	0.115	384	18.23%	Net Tore Out of Clamp
	Avg.	Avg.	Range	



**Conclusion :** Tensile Load tests of the **CAT-5 HURRICANE NETTING SYSTEM Assemblies** demonstrate an average load capacity of 384 pounds with a 18.23 % range in the variation of test results.

Respectfully submitted,

CONSTRUCTION TESTING CORPORATION

(Miami-Dade Certification # 01,0212.01)

Report by George Dotzler:

Test witnessed & report reviewed

Christopher G. Tyson, P.E. : \_

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