



NATIONAL TESTING STANDARDS INC.
RESEARCH AND TESTING LABORATORIES

Report No. 24368J6

April 30, 1992

Client: Jensen Enterprises
1330 Fayette Street
El Cajon, CA 92020

Reference: Mr. Chuck Ciruolo

Subject: Proof Loading of Playground Equipment.

Sample Description:

The Client submitted one length of metal chain identified as #C-100.

Request:

Determine the failure load of the submitted sample when loaded in the end-use configuration.

Method:

The sample was mounted in its end-use configuration and tested in tension to failure using a United Calibration universal tensile tester.

Results:

Ultimate Failure Load (in pounds)

3900

NATIONAL TESTING STANDARDS

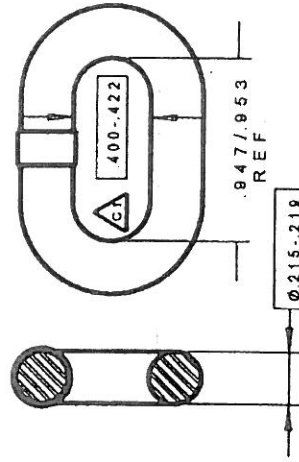
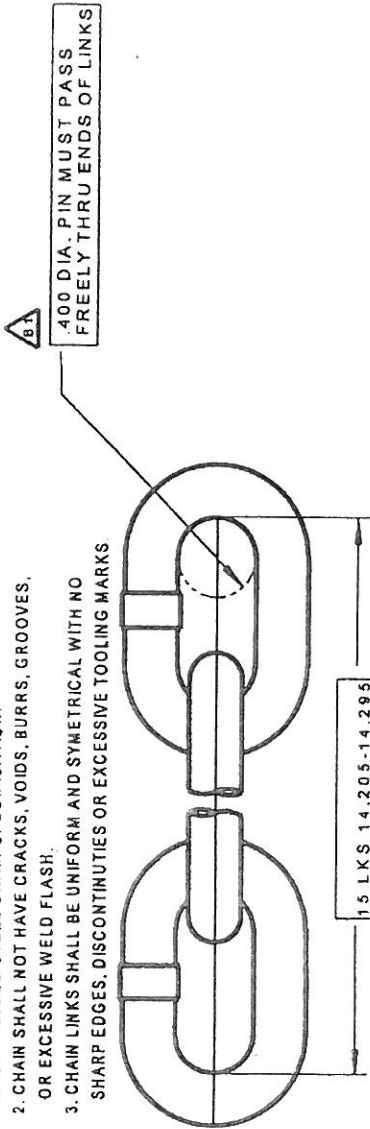
John W. Innis
by John W. Innis
Sr. Technician

ref: 169106

5010100

NOTE:

1. CHAIN TO BE MFG AND TESTED IN ACCORDANCE WITH NACM WELDED STEEL CHAIN SPECIFICATION.
2. CHAIN SHALL NOT HAVE CRACKS, VOIDS, BURRS, GROOVES, OR EXCESSIVE WELD FLASH.
3. CHAIN LINKS SHALL BE UNIFORM AND SYMMETRICAL WITH NO SHARP EDGES, DISCONTINUITIES OR EXCESSIVE TOOLING MARKS.



600 LBS.	MAXIMUM WORKING LOAD LIMIT
1,600 LBS.	MINIMUM PROOF TEST LOAD
3,200 LBS.	MINIMUM ULTIMATE BREAK
15 %	MINIMUM ELONGATION @
10T DIP GALVANIZED	GALVANIZED PER ASTM A-153
0022 MIN. THICKNESS	CLASS B-3
SILVER SHIELD (GALVANIZED)	MECHANICAL ZINC COATING PER
0017 MIN THICKNESS	ASTM B695 TYPE I CLASS 40
ZINC PLATED .0002 MINIMUM	PLATE PER ASTM B-633
THICKNESS-YELLOW CHROMATE	CLASS FEZ2N5 TYPE II
ZINC PLATED .0002 MINIMUM	PLATE PER ASTM B-633
THICKNESS-CLEAR CHROMATE	CLASS FEZ2N6 TYPE III
SELF COLORED	LIGHTLY COATED WITH AN OIL BASED
	PRESERVATIVE PRE-APPROVED BY
	PERMANENTLY APPROVED BY
	PERMANENTLY APPROVED BY

DESCRIPTION SPECIFICATION

FINISH REQUIREMENTS

THE DRAWING NUMBERS OF THE BASE PRODUCT'S MANUFACTURE;
-PART NUMBERS WILL CHANGE WITH FINISH AND PACKAGING OPTIONS-

D	1/12/03	RD.L	ADDED SILVER SHIELD TO FINISH SPEC. BLOSER
C	1/11/02	RD.L	1. W.A.S. #00-422 PER EC.#701-422
B	3/12/00	RD.L	1. ADDED PIN. NOTE PER EC.#7013
A	1/11/01	DHA	NACM UPGRADE

REV DATE CHG.BY DESCRIPTION

REVISIONS

DESCRIPTION
3/10 PROOF COIL

MATERIAL
9010114 C-1008

HEAT TREAT
NONE REQUIRED