



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Elco Textron, Inc.
5110 Falcon Road
Rockford

IL 61125

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Crete-Flex SS4 Concrete & Masonry Screw.

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 99-1227.13

Expires: 04/14/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 04/14/2000

1 of 3



ELCO TEXTRON.

ACCEPTANCE NO: 99-1227.13

APPROVED : APR 14 2000

EXPIRES : APR 14 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves concrete and masonry screws as described in Section 2 of this Notice of Acceptance. They are designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County for the locations where the actual loads as determined by SFBC Chapter 23, do not exceed the allowable load indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **Crete-Flex SS4** Concrete and Masonry Screw shall be fabricated and used in strict compliance with the following documents: Drawing No. 00-094, titled "Crete-Flex SS4 Masonry Screw", prepared by Knezevich & Associates, Inc. dated 03/10/00 sheet 1 of 1. It bears the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 Allowable loads are for 3350 psi Compressive Strength Concrete and Concrete Masonry units per ASTM C90

4. INSTALLATION

4.1 The Concrete and Masonry Screws shall be installed in strict compliance with the Product Selection and Installation Instructions published by Elco Textron..

5. LABELING

5.1 Each concrete screws shall have a mark in the head identifying the manufacturer and each box of screws shall have a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT

6.1 Application for Building Permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings as identified in Section 2 of this Notice of Acceptance, clearly marked to show the hangers and angles selected for the proposed installation.

6.1.3 Any other document required by the Building Official or the SFBC in order to properly evaluate the installation of these products.


Candido Font, PE, Sr. Product Control Examiner
Product Control Division

ELCO TEXTRON.

ACCEPTANCE NO.: 99-1227.13

APPROVED : APR 14 2000

EXPIRES : APR 14 2003

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

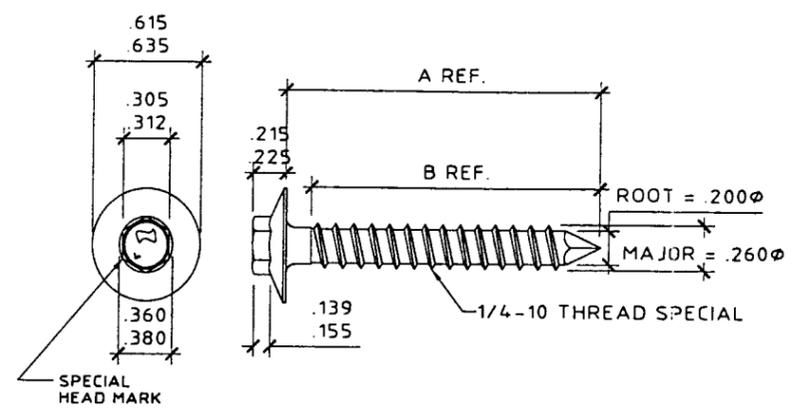

Candido Font, PE, Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



SCREW NOMINAL DIAMETER 1/4 INCH.

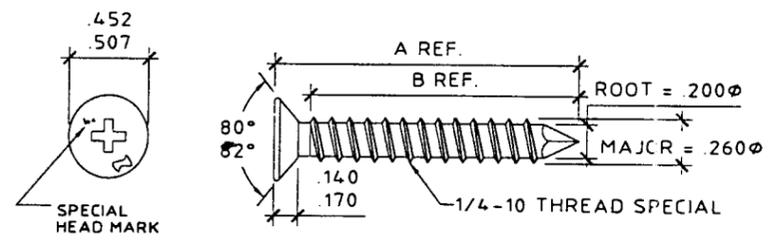
CAT. #	A	B	PART #
MF340	1.750	1.660	274-163-014569
MF360	2.250	1.750	274-163-014689



CRETE-FLEX - HFH

EMBEDMENT	ALLOWABLE LOADS (lbs.) MIN. 3350 P.S.I. CONCRETE					
	EDGE DISTANCE					
	1"		1-3/4"		2-1/2"	
	TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR
1"	150	125	165	215	190	265
1-3/4"	390	310	525	450	625	645
2"	-	-	-	-	680	645

CAT. #	A	B	PART #
MF690	1.250	1.000	274-100-014399
MF710	1.750	1.500	274-100-014559
MF730	2.250	1.750	274-100-014679
MF750	2.750	1.750	274-100-014759
MF770	3.250	1.750	274-100-014819
MF780	3.750	1.750	274-100-014859
MF810	4.000	1.750	274-100-014879



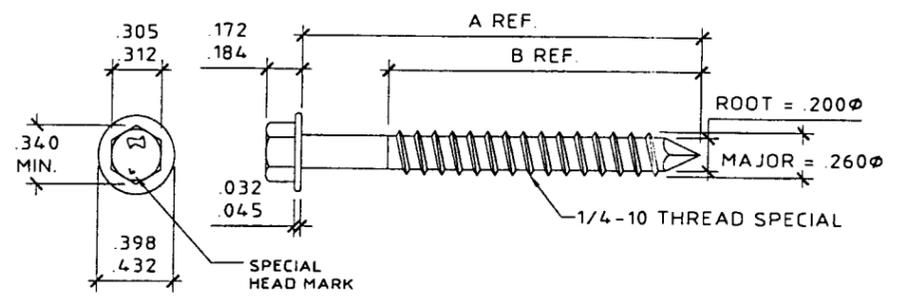
CRETE-FLEX - PFH

EMBEDMENT	ALLOWABLE LOADS (lbs.) CONCRETE BLOCK					
	EDGE DISTANCE					
	1"		1-3/4"		2-1/2"	
	TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR
1-1/4"	195	105	290	330	305	330
1-5/8"	310	135	-	-	-	-

NOTES

1. CRETE FLEX SS4 IS A 410 STAINLESS STEEL MASONRY FASTENER W/ A SILVER COLORED STALGARD COATING PROCESS TESTED FOR CORROSION RESISTANCE TO PA119.
2. ALLOWABLE LOADS ARE BASED ON THE ULTIMATE LOAD DIVIDE BY 4.
3. PILOT HOLE DIAMETER 0.234" AND 1/4" LONGER THAN THE REQUIRED EMBEDMENT.
4. CONCRETE SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE MANUAL OF CONCRETE PRACTICE, ACI 301 AND CONCRETE BLOCKS SHALL CONFORM TO ASTM C-90.
5. ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH ELCO TEXTRON PRODUCT SELECTION & INSTALLATION INSTRUCTION, PERFORMANCE & TECHNICAL DATA, AND THE NOTICE OF ACCEPTANCE.

CAT. #	A	B	PART #
MF310	1.250	1.160	274-163-014399
MF330	1.750	1.660	274-163-014559
MF350	2.250	1.750	274-163-014679
MF370	2.750	1.750	274-163-014759
MF390	3.250	1.750	274-163-014819
MF410	3.750	1.750	274-163-014859
MF430	4.000	1.750	274-163-014879



CRETE-FLEX - HWH

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE April 14, 2000
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1227-13

KNEZEVICH & ASSOCIATES, INC.
 CONSULTING ENGINEERS • PRODUCT TESTING
 1280 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
 TEL: (854) 382-2800 • FAX: (854) 382-2888 • FLORIDA COA #3205
 WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM
 COPYRIGHT © 2000 KNEZEVICH & ASSOCIATES, INC.

CRETE-FLEX® SS4 MASONRY SCREW
 ELCO TEXTRON
 CONSTRUCTION PRODUCTS DIVISION
 5100 FALCON ROAD
 ROCKFORD, ILLINOIS 61125-7009
 (800) 435-7213

REVISIONS	
no.	description

V.J. KNEZEVICH
 PROFESSIONAL ENGINEER
 FL License No: PE 0010983

MAR 14 2000

date	03/10/00
scale	AS NOTED
drawn by	JC
design by	MD
checked by	VJK

drawing no. 00-094
 sheet 1 of 1