



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Dixie Metal Products, Inc.
1471 Neptune Drive
Boynton Beach, Florida 33426

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Aluminum Picket Railing for Balcony and Stairs

APPROVAL DOCUMENT: Drawing No. DSR2, titled "Standard #2 Railing", sheet 1 of 1, dated 04/15/1997, revision #2 dated 03/20/2006, and Drawing No. DSR11, titled "Standard #11 Railing", sheets 1 and 2 of 2, dated 04/15/1997, revision #1 dated 03/20/2006, prepared by Bromley-Cook Engineering, signed and sealed by William D. Cook, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA 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 NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. The structural adequacy of the supporting structures is not part of this approval & shall be reviewed by the corresponding Building Dept. This NOA **revises & renews** NOA # **01-0206.14** and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
 03/01/2007

NOA No 06-0420.01
Expiration Date: 03/26/2011
Approval Date: 03/01/2007
Page 1

Dixie Metal Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL NO. 97-0529.07

A. DRAWINGS

1. *"Standard #2 Railing Calculations", Drawing No. DSR2, sheet 1 of 1, dated April 15, 1997, revision #1 dated 03/06/98, prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E.*
2. *"Standard #11 Railing Calculations", Drawing No. DSR11, sheets 1 through 2 of 2, dated April 15, 1997, prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E.*

B. CALCULATIONS

1. *"Standard #2 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on April 14, 1997.*
2. *"Standard #11 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on April 15, 1997.*
3. *"Standard #2 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on December 12, 1997.*
4. *"Standard #11 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on December 12, 1997.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0206.14

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P. E., M.S.
Product Control Examiner
NOA No 06-0420.01
Expiration Date: 03/26/2011
Approval Date: 03/01/2007

Dixie Metal Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. DSR2, titled "Standard #2 Railing", sheet 1 of 1, dated 04/15/1997, revision #2 dated 03/20/2006, and Drawing No. DSR11, titled "Standard #11 Railing", sheets 1 and 2 of 2, dated 04/15/1997, revision #1 dated 03/20/2006, prepared by Bromley-Cook Engineering, signed and sealed by William D. Cook, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

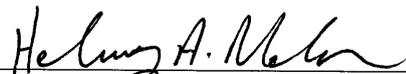
1. *"Standard #2 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on March 20, 2006.*
2. *"Standard #11 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on March 20, 2006.*

D. QUALITY ASSURANCE

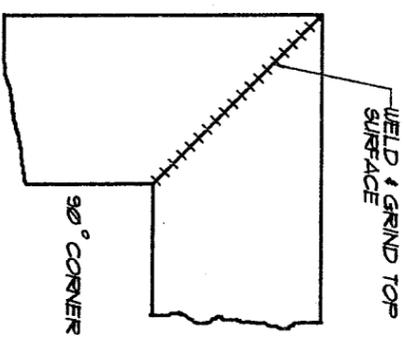
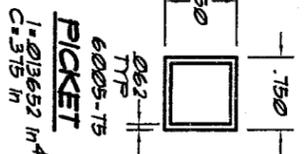
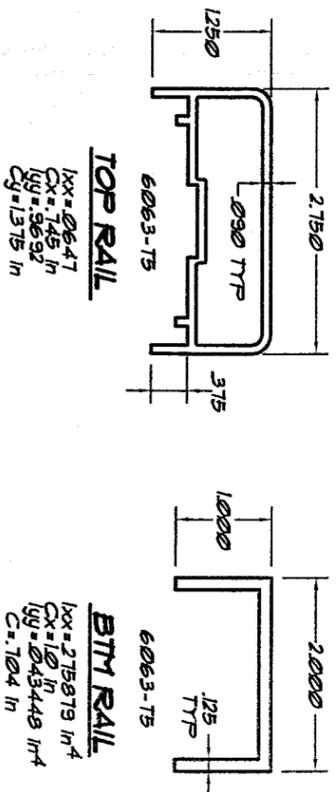
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

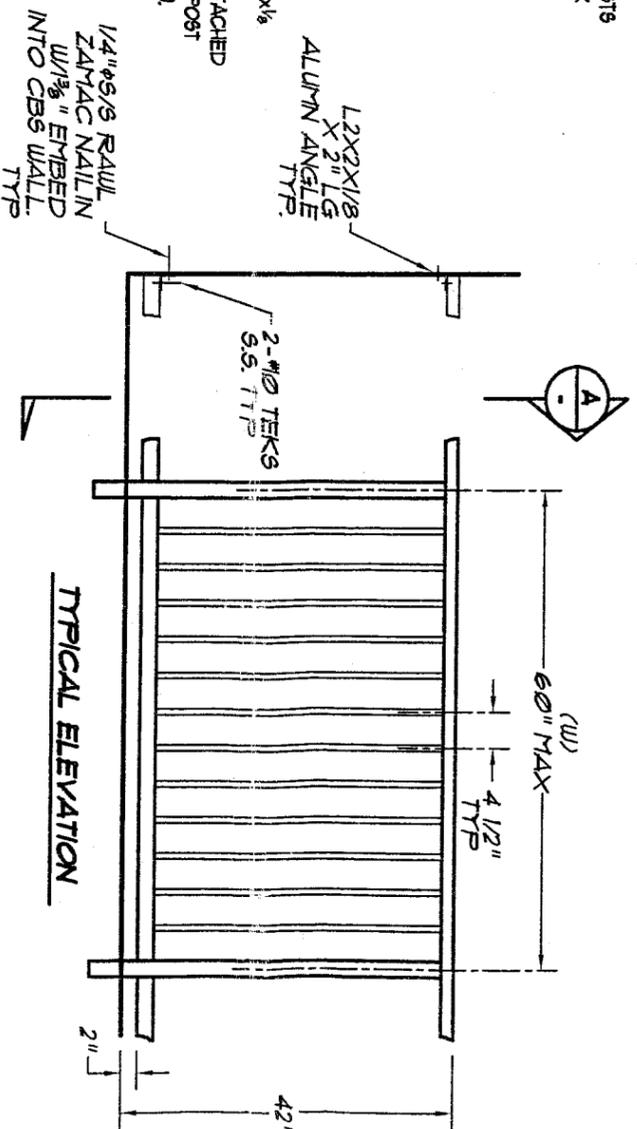
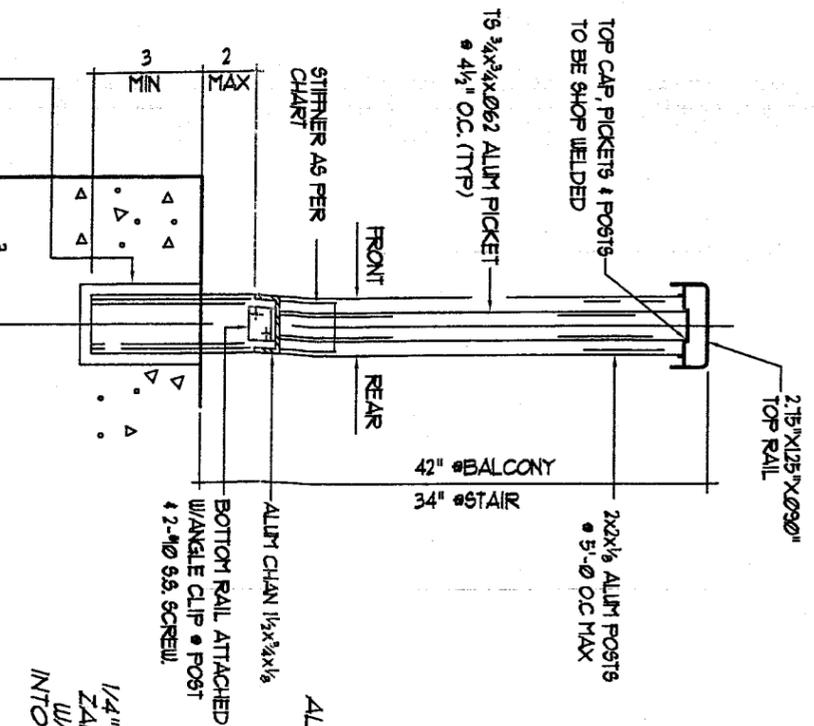
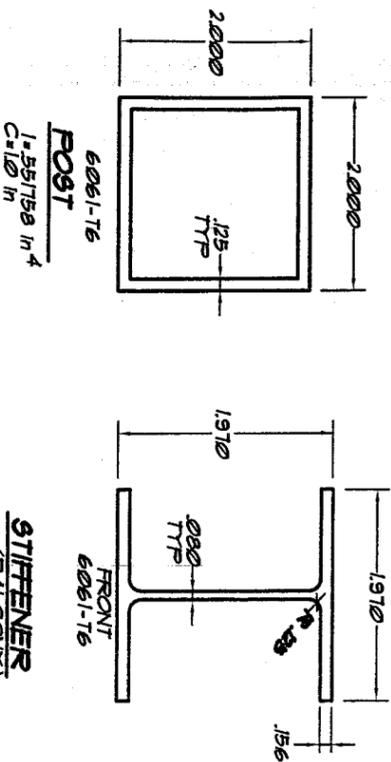
1. *None.*



Helmy A. Makar, P. E., M.S.
Product Control Examiner
NOA No 06-0420.01
Expiration Date: 03/26/2011
Approval Date: 03/01/2007



SECTION 'A'
ALL JOINTS TO BE FULL WELDED



PREMIX ANCHORING CEMENT OR EQUAL TO DEVELOP A COMPRESSIVE STRENGTH OF 9750 psi IN A 24 HR PERIOD.

SECTION 'A'

MAXIMUM POST SPACING		
ELEVATION	NO STIFF	14\" STIFF
0'-200'	60"	
200'-350'		60"

NOTES:

- THIS GUARD HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004, FOR USE UP TO 350 FT. ABOVE GRADE.
- ALL ALUMINUM TO BE OF ALLOY'S AS SHOWN.
- CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 psi IN 28 DAYS.
- IT SHALL BE DETERMINED BY CONTRACTOR THAT EXISTING STRUCTURE CAN SAFELY SUPPORT THE IMPOSED LOADS.
- ALL FASTENERS SHALL BE STAINLESS STEEL.
- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AWS.
- WIND LOAD AS PER ASCE 7-02 @ 146 MPH EXPOSURE-C. COMPONENTS AND CLADDING OTHER STRUCTURES.
- WIND LOAD INCREASE NOT USED IN RAILING ANALYSIS.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 06-0420-01
Expiration Date 03/26/2011
By *William D. Cook*
Miami-Dade Building Control Division

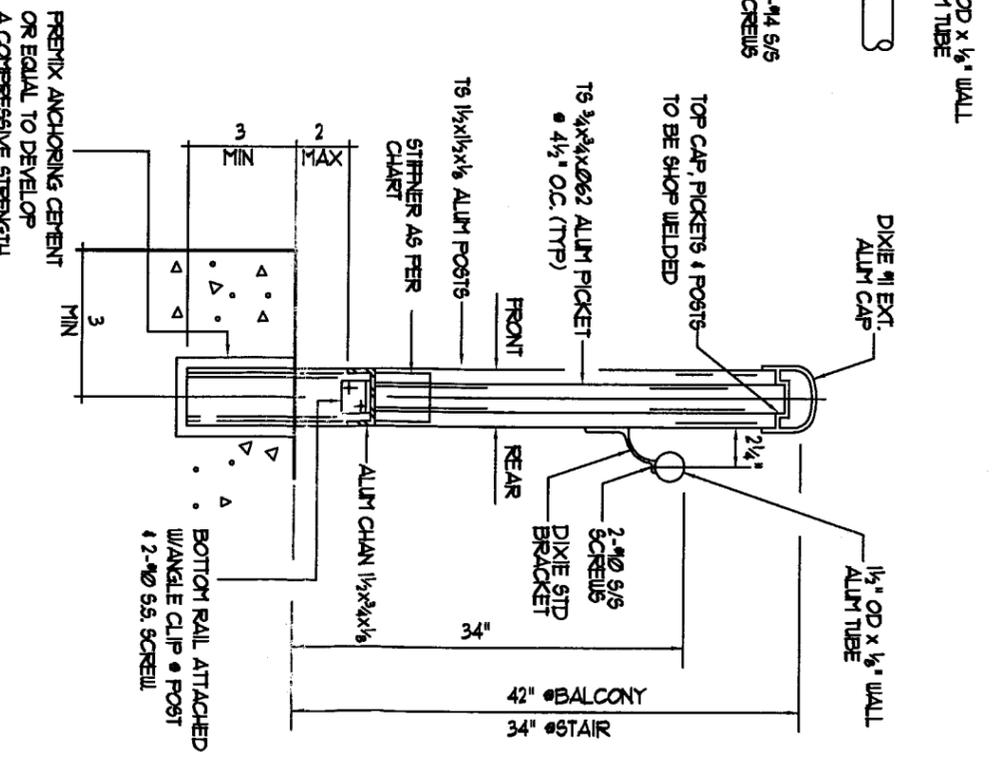
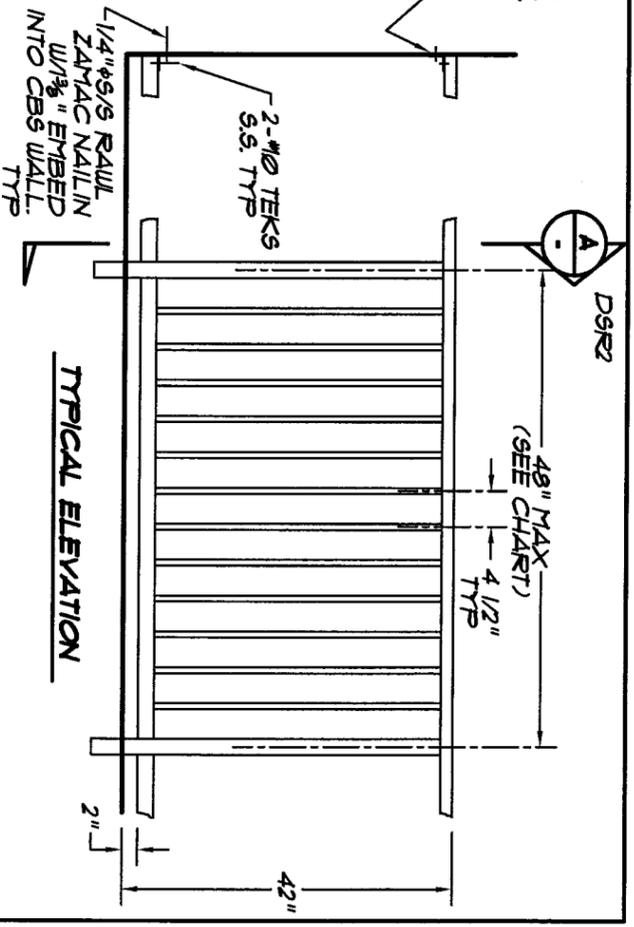
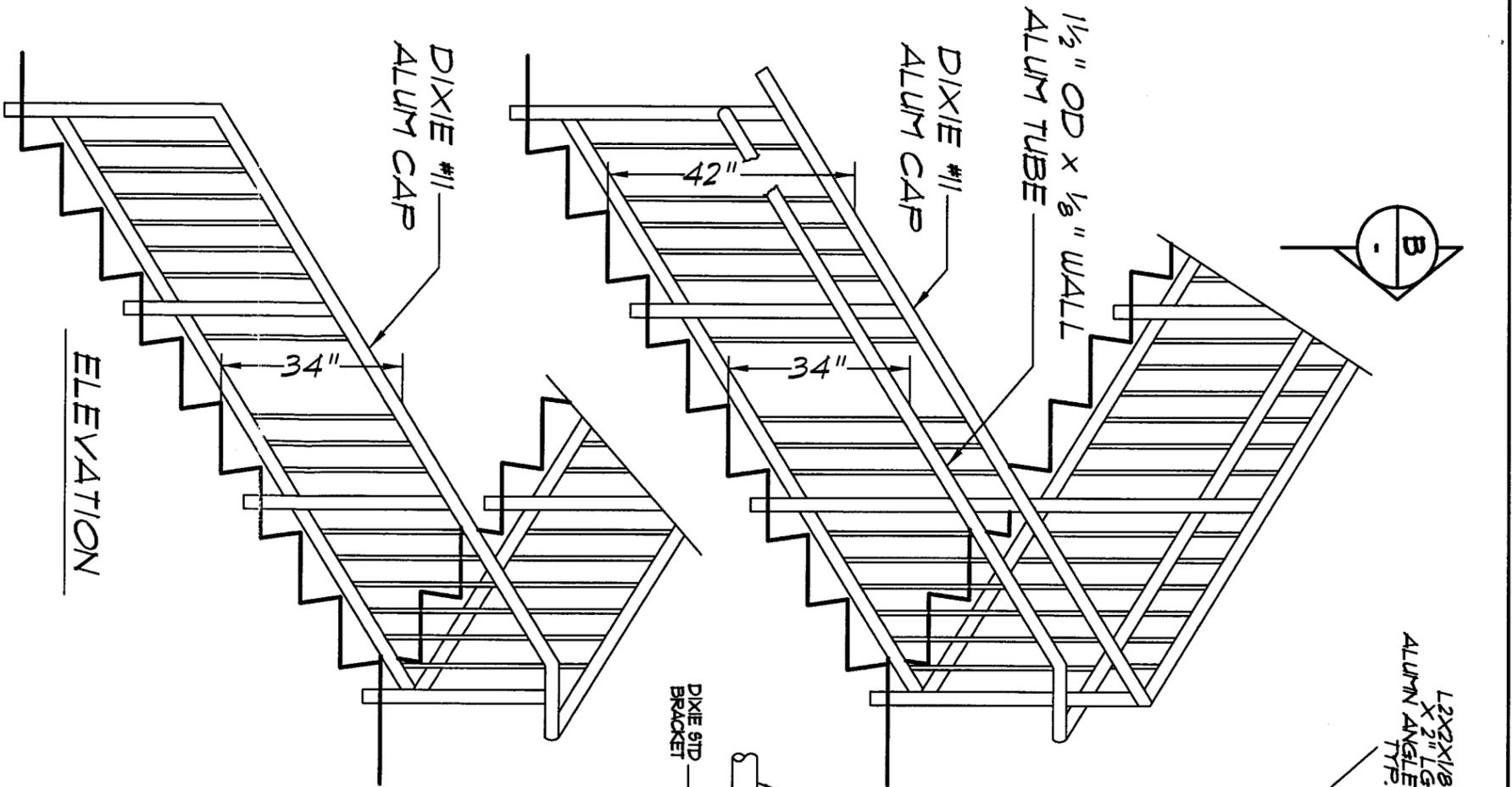
WILLIAM D. COOK, P.E.
FLA P.E. #43904
LA.S.I. #2008

NO	DATE	REVISIONS
2	3-20-06	REVISED PER NEW CODE
1	3-6-98	

BROMLEY-COOK ENGINEERING
5440 N.W. 33rd AVE, SUITE 100
FORT LAUDERDALE, FL. 33309
(954) 772-4624
Cert. of Auth. #00009124
WILLIAM D. COOK P.E.
FLA P.E. #43904
FLA S.E. #2008

STANDARD #2 RAILING CALCULATIONS.
FOR
DIXIE METAL PRODUCTS INC.
1471 NEPTUNE DRIVE,
BOYNTON BEACH, FL. 33426

DET. WJK	DATE	4/5/97	JOB NO.	
CHK. WJC	DATE	4/5/97		
				DSR2
				SHEET NO. 1 OF 1



MAXIMUM POST SPACING				
ELEVATION	BALCONY NO STIFF	BALCONY 1 1/3" STIFF	STAIR RAIL NO STIFF	STAIR RAIL 6" STIFF
0'-200'	31"	48"	35"	48"

NOTES:

1. THIS GUARD HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE SOUTH FLA. BUILDING CODE FOR USE UP TO 200 FT. ABOVE GRADE.
2. ALL ALUMINUM TO BE OF ALLOYS AS SHOWN.
3. CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 psi IN 28 DAYS.
4. IT SHALL BE DETERMINED BY CONTRACTOR THAT EXISTING STRUCTURE CAN SAFELY SUPPORT THE IMPOSED LOADS.
5. ALL FASTENERS SHALL BE STAINLESS STEEL.
6. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AWS.
7. WIND LOAD AS PER ASCE 7-02C & 146 MPH EXPOSURE-C. COMPONENTS AND CLADDING OTHER STRUCTURES.
8. RAILINGS MAY BE INSTALLED UP TO 200' IN ELEVATION.
9. STRESSES INCREASE NOT USED IN CALC'S.

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 06-0420-01
Expiration Date 03/26/2011
By *William D. Cook*
Member Trade Practices Committee
Division

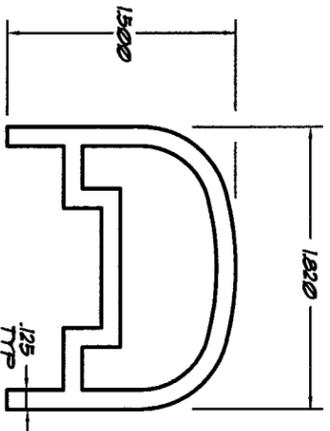
WILLIAM D. COOK, P.E.
FLA P.E. #43904
FLA. S.I. #2008

MAR 23 2006

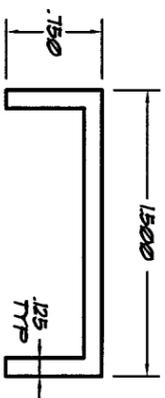
NO	DATE	REVISIONS
1	3-20-06	REVISED PER NEW CODE

BROMLEY-COOK ENGINEERING
5440 N.W. 35th AVE, SUITE 100
FORT LAUDERDALE, FL 33309
(954)772-4624
Cert. of Auth. #00009124
WILLIAM D. COOK P.E.
FLA P.E. #43904
FLA S.E. #2008

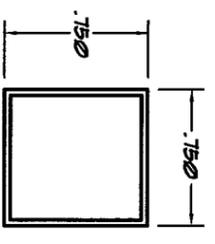
STANDARD #11 RAILING CALCULATIONS.			
FOR			
DIXIE METAL PRODUCTS INC.			
1471 NEPTUNE DRIVE.			
BOYNTON BEACH, FL. 33426			
DET. WUC	DATE	JOB NO.	SHEET NO.
CHK. WUC	4/15/97		1 OF 2
	4/15/97		DGR/1



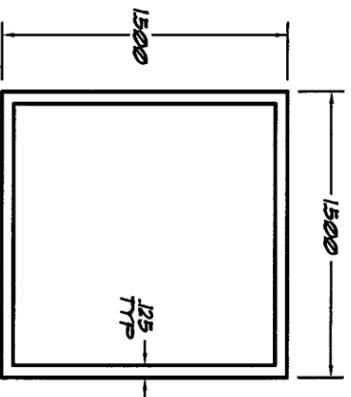
TOP RAIL #11
 IXX = 2270 IN⁴
 CXX = 796 IN⁴
 IYY = 1075 IN⁴
 CYY = 910 IN



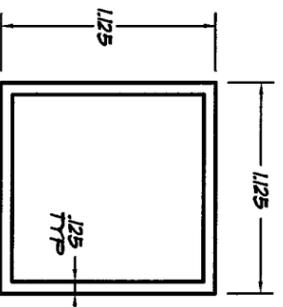
BTM RAIL
 IXX = 217315 IN⁴
 CXX = 517 IN⁴
 IYY = 109212 IN⁴
 CYY = 750 IN



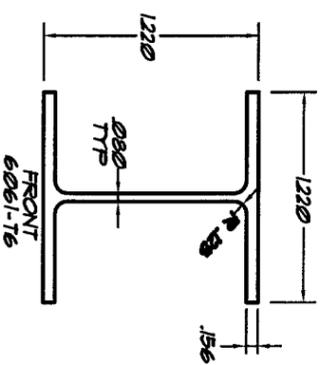
PICKET
 IXX = 213510 IN⁴
 CXX = 375 IN



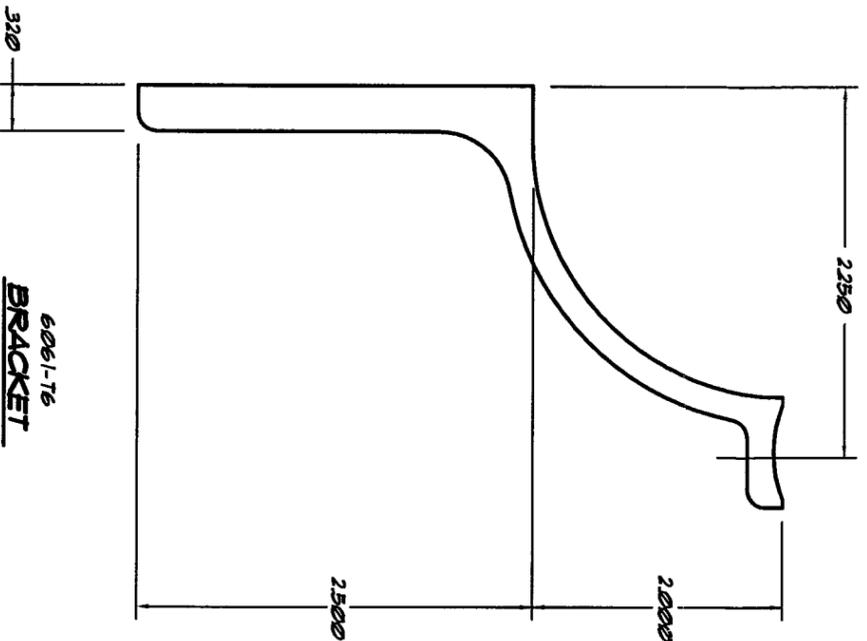
POST
 IXX = 218424 IN⁴
 CXX = 750 IN



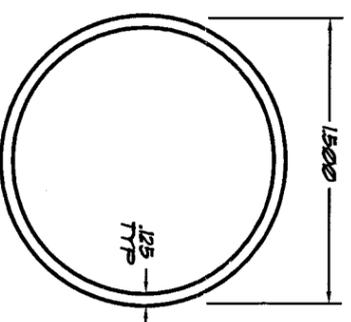
STIFFENER (STAIR)
 IXX = 120 IN⁴
 CXX = 5625 IN



STIFFENER (BALCONY)
 IXX = 113493 IN⁴
 CXX = 610 IN



BRACKET
 6061-T6



WALL RAIL
 6061-T6
 IXX = 36,993 IN⁴

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 06-0420-01
 Expiration Date 03/26/2011
 By *William D. Cook*
 Permit Director
 Division

WILLIAM D. COOK, P.E.
 FLA P.E. #43904
 FLA. S.I. #2008

MAR 23 2008

NO	DATE	REVISIONS

BROMLEY-COOK ENGINEERING

5440 N.W. 35th AVE, SUITE 100
 FORT LAUDERDALE, FL 33309
 (954) 772-4624
 Cert. of Auth. #00009124
 WILLIAM D. COOK P.E.
 FLA P.E. #43904
 FLA S.E. #2008

STANDARD #11 RAILING CALCULATIONS.

FOR

DIXIE METAL PRODUCTS INC.
 1471 NEPTUNE DRIVE.
 BOYNTON BEACH, FL. 33426
 (561) 731-4555

DET. CHK.	WUK	DATE	DATE	JOB NO.	SHEET NO.
		4/15/97	4/15/97		2 OF 2
		4/15/97	4/15/97		

FILE NAME: DIX6TD-B

TYPICAL ELEVATION

