



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

YKK AP America, Inc.
332 Firetower Road
Dublin, Georgia 31021

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "YHC-300 IG" Aluminum Curtain Wall System – S.M.I.

LIMITATIONS: Maximum Design Pressure Rating on note #2, sheet 1 of 19 and design pressures (psf) on sheets 16, 17, 18 and 19 of 19 shall be Divided by 1.33 to obtain the Allowable Design Pressure.

APPROVAL DOCUMENT: Drawing No. YHC300 IG-130S, titled "Series YHC300 I. G. 130 psf Hurricane C. W. ", sheets 1 through 19 of 19, prepared by manufacturer, dated 08/22/01 and last revised on 01/22/02, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Small Missile Impact Resistant

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

REVISION 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. This NOA **renews NOA # 07-0529.12** and consists of this page 1 and evidence pages E-1 & E-2 , as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No. 08-0605.04
Expiration Date: April 25, 2009
Approval Date: July 10, 2008
Page 1

Handwritten initials and date: 4/10/08

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file # 07-0529.12)

1. Manufacturer's die drawings and sections.
2. Drawing No. **YHC300 IG-130S**, titled "Series YHC300 I. G. 130psf Hurricane C. W.", sheets 1 through 19 of 19, prepared by manufacturer, dated 08-22-01 and last revised on 01-22-02.

B. TESTS (Test reports transferred from file # 07-0529.12) original test report conducted per PA 201, 202 & 203-94, now termed as FBC, TAS 201, 202 & 203-94.

1. Test report on: 1) Small Missile Impact Test, per PA 201-94
2) Cyclic Loading Test, per PA 203-94

Along with installation diagram of an aluminum curtain wall system prepared National Certified Testing Laboratories, Test Report No. **NCTL-210-2372-1(I) (C)**, dated 08/08/00, signed and sealed by Barry Portnoy, P.E.

2. Test report on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Large Missile Impact Test, per PA 201-94
5) Cyclic Loading Test, per PA 203-94

Along with installation diagram of an aluminum curtain wall system prepared National Certified Testing Laboratories, Test Report No. **NCTL-210-2324-1(S) (I) (C)**, dated 04/12/00, signed and sealed by Barry Portnoy, P.E.

3. Test reports on: 1) Large Missile Impact Test, per PA 201-94
2) Small Missile Impact Test, per PA 201-94
3) Cyclic Loading Test, per PA 203-94

Along with installation diagram of aluminum curtain wall system, prepared National Certified Testing Laboratories, Test Report No. **NCTL-210-1994-2 (I) (C)**, dated 03/09/98, signed and sealed by Barry Portnoy, P.E.

4. Test report on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Large Missile Impact Test, per PA 201-94
5) Cyclic Loading Test, per PA 203-94

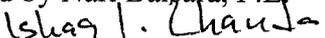
Along with installation diagram of an aluminum curtain wall system prepared National Certified Testing Laboratories, Test Report No. **NCTL-210-2324-1(S) (I) (C)**, dated 04/12/00, signed and sealed by Barry Portnoy, P.E.

5. Test report on: 1) Large Missile Impact Test, per PA 201-94
2) Cyclic Loading Test, per PA 203-94

Along with installation diagram of an aluminum curtain wall system prepared National Certified Testing Laboratories, Test Report No. **NCTL-210-2274-4 (S)(I)(C)**, dated 01/22/00, signed and sealed by Barry Portnoy, P.E.

6. Test report on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94

Along with installation diagram of an alum curtain wall system prepared by Construction Research Lab, Report No. **CRL-6408B**, dtd 05/02/97, signed & sealed by Nari Balsara, P.E.


Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 08-0605.04

Expiration Date: April 25, 2009

Approval Date: July 10, 2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. TESTS (continued)

7. Test report on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94

Along with installation diagram of an aluminum curtain wall system prepared by Construction Research Laboratory, Inc., Test Report No. **CRL-6473**, dated September 18, 1998, signed and sealed by Nari Balsara, P.E.

C. CALCULATIONS (transferred from file 01-1120.05)

1. Anchor Calculations and structural analysis, dated 08/26/98, 02/01/99 and 10/11/01, prepared, signed and sealed by Walter A. Tillit, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored Interlayer**", expiring on 05/21/11.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite PVB Interlayer**", expiring on 12/11/10.

E. STATEMENTS (transferred from file # 01-1120.05 & # 07-0529.12)

1. Statement of request for an additional one year renewal dated May 29, 2008, issued by YKK AP America, signed by Chris Moody.
2. Statement letter of conformance dated May 10, 2007, issued by Al-Farooq Corporation, signed & sealed by Dr. Humayoun Farooq, P.E.
3. Statement of request for one year renewal dated May 09, 2007, issued by YKK AP America, signed by Jose I. Archilla.
4. Statement letter of conformance, dated 10/15/1998, signed by Charles William, P.E.
5. Statement letter of lab compliance, part of above test reports.
6. Statement letter dated 04/14/1998, issued by Romag Inc., certifying glazing material, signed by John Bush.
7. Various letter of compliance by National Certified Testing Laboratories, as part of the above referenced reports signed and sealed by Barry Portnoy, P.E.

F. OTHERS

1. This NOA renews NOA # 07-0529.12, which expired on April 25, 2008.
2. This approval is an additional one year renewal to facilitate intermediate compliance to FBC 2004 by reducing original design pressure by 1.33.
3. Testing agreement letter, dated 05/29/2008 between Hurricane Testing Laboratory (HTL) and YKK AP America, Inc., issued by HTL.
4. The previous approval was one year renewal to facilitate intermediate compliance to FBC 2004 by reducing original design pressure by 1.33.
5. Various proposals approved by BCCO dated 09/03/1997, 10/29/1997, 07/22/1998, 11/27/2000 and 09/10/2001.
6. One year conditional approval, subjected to successful verification test, the final approval will be balanced of total 5 years.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 08-0605.04

Expiration Date: April 25, 2009

Approval Date: July 10, 2008

INDEX OF DRAWINGS

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REV.	DESCRIPTION	BY	DATE
A	AS PER DADE CO. REVIEW	RTB	1/22/02

YHC-300 IG HURRICANE CURTAIN WALL
SMALL MISSILE IMPACT RATED @ 130 PSF DESIGN PRESSURE.
 (SEE SEPARATE NOA FOR LARGE MISSILE AND/OR LOWER PRESSURE RATINGS.)

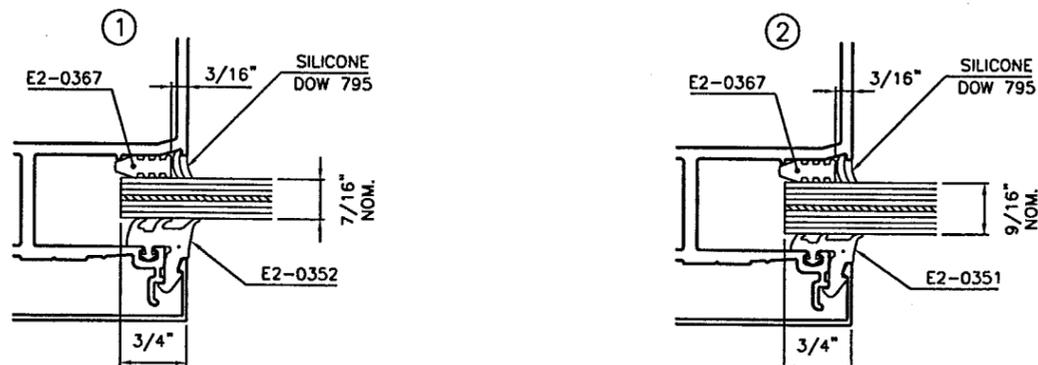
GENERAL NOTES:

- REFER TO ANCHOR SCHEDULE ON ELEVATION SHEETS FOR ANCHOR TYPE IDENTIFICATION.
- MAXIMUM DESIGN PRESSURE RATING IS +130 PSF, -130 PSF.
- THE SYSTEM AS SHOWN HEREIN MEETS THE SMALL IMPACT PROJECTION REQUIREMENTS PER THE SOUTH FLORIDA BUILDING CODE AND NO SHUTTERS ARE REQUIRED FOR INSTALLATIONS ABOVE 30 FT. FROM GRADE (SEE SEPARATE LARGE MISSILE NOA FOR INSTALLATIONS UP TO 30 FT. OF GRADE.)
- ALUMINUM ALLOY ON ALL STRUCTURAL MEMBERS SHALL BE 6063-T5 WITH A MINIMUM YIELD STRENGTH OF 23KSI. ALL PRODUCTS WITH THE MARKING "YKK AP AMERICA" AND "DADE COUNTY PRODUCT APPROVED" ARE IN COMPLIANCE WITH THIS SPECIFICATION FOR STRUCTURAL MEMBERS.
- MAXIMUM GLASS SIZE SHALL NOT EXCEED 58 1/2" IN WIDTH OR 96" IN HEIGHT. ALL GLASS TYPE LISTED BELOW MUST COMPLY WITH ASTM E-1300-98. TO DETERMINE IF HEAT STRENGTHENED, OR TEMPERED GLASS IS REQUIRED, BASED ON AREA OF GLASS AND APPLICABLE WIND LOAD, PLEASE REFER TO TABLES ASTM E-1300-98. HOWEVER, OTHER CONSIDERATIONS OF THE BUILDING CODE, REGARDING THE USE OF SAFETY GLASS, ETC. SHALL BE APPLIED AS NECESSARY. ALSO, GLASS MANUFACTURERS SHALL BE CONSULTED FOR THEIR RECOMMENDATIONS.
- SHOP DRAWINGS PREPARED, BASED ON THIS APPROVAL AND TAKING INTO ACCOUNT THE SPECIFIC JOB CONDITIONS, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AS PART OF THE PERMIT DOCUMENTS.
- GLASS TO METAL ADHESIVE SHALL BE DOW 795 AS SHOWN ON DETAILS
- STRUCTURAL STEEL NOTED ON THESE DRAWINGS AS "STEEL BY OTHERS" MUST WITHSTAND THE LOADS IMPOSED BY THE CURTAIN WALL SYSTEM.
- ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 08-0605.04
 Expiration Date 04/25/2009
 By Ishag I. Chaudh
 Miami Dade Product Control
 Division

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 07-0529.12
 Expiration Date APRIL 25, 2008
 By Ishag I. Chaudh
 Miami Dade Product Control
 Division

GLAZING DETAILS FOR ACCEPTED GLASS CONFIGURATIONS:



EXTERIOR

ALL GLASS TYPES TO BE USED WITH THIS PRODUCT MUST COMPLY W/ASTM E1300-98
 (SEE NOTE 5 ABOVE)

GLASS TYPE	DESCRIPTION	OVERALL NOMINAL THICKNESS	GLASS THICKNESS PER ASTM E-1300	GLAZING DETAIL	GLASS STR. QUALIFIED
	7/16" LAMINATED (3/16" GLASS + 0.060"PVB* + 3/16" GLASS)	7/16"	3/8"	1	HEAT STR. TEMPERED
	9/16" LAMINATED (1/4" GLASS + 0.060"PVB* + 1/4" GLASS)	9/16"	1/2"	2	HEAT STR. TEMPERED

(* SPECIFIC PVB COMPONENT ACCEPTED: "BUTACIDE" BY DU PONT AND "SAFLEX" BY SOLUTIA.

Approved as complying with the Florida Building Code
 Date APRIL 25, 2002
 NOA# 01-1120.05
 Miami Dade Product Control
 Division
 By Ishag I. Chaudh

RESERVED FOR METRO-DADE USE ONLY

		YKK AP AMERICA, INC. 5630 GUALTNEY DRIVE ATLANTA, GEORGIA 30336	
SYSTEM	YHC 300 I.G. 130PSF C.W.	SCALE	NONE
DESCRIPTION	TABLE OF CONTENTS & NOTES		
DRAWING NUMBER	YHC300 IG-130S	REV.	A
APPROVED BY	JIA	DRAWN BY	RTB
DATE	8/22/01	SHEET NO.	1 of 19

STEEL REINFORCEMENT @ JAMB REQ'D ONLY IF SEGMENT IS A SINGLE SPAN LONGER THAN 8'-4 1/2" (SEE NOTE 1.) NOT REQUIRED IF TWIN SPAN. (SEE BELOW FOR DETAILS & REQ'D MID-ANCHOR REINFORCEMENT)

YHC 300 IG SYSTEM (130psf) SMALL MISSILE

REV.	DESCRIPTION	BY	DATE
A	AS PER DADE CO. REVIEW	RTB	1/22/02

GENERAL NOTES

1. STEEL REINFORCEMENT REQUIREMENTS FOR MULLIONS:

CONDITION	SPAN	STL. REINFORCE	APPLICABLE MULLION DET.
JAMB	SINGLE SPAN	UP TO 8'-4 1/2"	NONE
	8'-4 1/2" TO 12'-6"	YES (1) E1-0187	SEE DET 1A/ SHT. 4
TWIN SPAN/MULTI SPAN	UP TO 12'-6" EACH SPAN	NONE *	SEE DET 1/ SHT. 4
INTERMEDIATE VERT.	SINGLE SPAN	UP TO 8'-4 1/2"	NONE
	8'-4 1/2" TO 12'-6"	YES (2) E1-0186	SEE DET 2A/ SHT. 4
	TWIN SPAN/MULTI SPAN	UP TO 12'-6" EACH SPAN	YES**(1) E1-0188

* ONLY MID-ANCHOR REINFORCEMENT SEE KK/SHT 13.
 ** INCLUDES MID-ANCHOR REINFORCEMENT SEE LL/SHT 13.

STEEL REINFORCEMENT IN INTERMEDIATE MULLIONS IF REQ'D (SEE NOTE 1.)

2. ANCHOR SCHEDULE

SYMBOL

SYMBOL	DESCRIPTION	REF. DET'S
(F)	"F" ANCHOR	88/6, 00/7
(T)	"T" ANCHOR	CC/6, EE/7
(W)	WINDLOAD CLIP	(1) 51/8, 52/9 (2) 53A/11, 54A/12
(D)	DEADLOAD CLIP	(1) 51A/8, 52A/9 (2) 53/11, 54/12

§ ONLY ONE DEADLOAD APPLICATION PER MULLION/JAMB SEGMENT. ANY OTHER ANCHOR IN THE SAME SEGMENT SHALL ALLOW FREE MOVEMENT DUE TO THERMAL EXPANSION. SEGMENTS SHALL BE CONNECTED BY MULLION SPLICE AS SHOWN ON SHEETS 8-10.

PRODUCT RENEWED as complying with the Florida Building Code
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 Miami Dade Product Control Division

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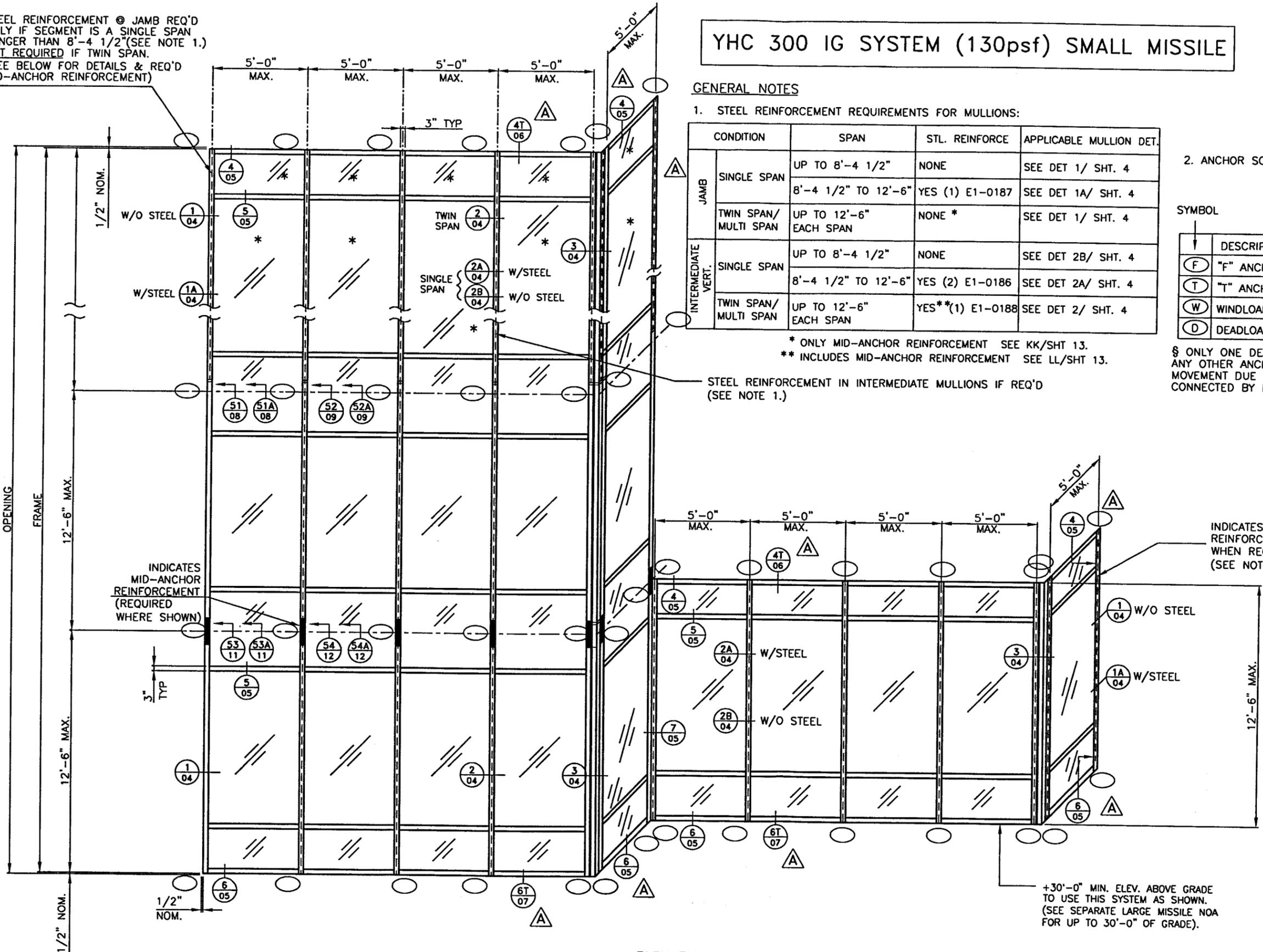
By *Iskag I. Chaudh*
 Miami Dade Product Control Division

Approved as complying with the Florida Building Code
 Date APRIL 25, 2002
 NOAH 01-1125.05
 Miami Dade Product Control Division
 By *Iskag I. Chaudh*

RESERVED FOR METRO-DADE USE ONLY

YHC America
 YHC AP AMERICA, INC.
 5630 GWALTNEY DRIVE
 ATLANTA, GEORGIA 30336

SYSTEM	YHC 300 I.G. (130psf)	SCALE	1/2
DESCRIPTION	ELEVATION		
DRAWING NUMBER	YHC 300 I.G.-130S	REV.	A
APPROVED BY	J.I.A.	DRAWN BY	B.C.M.
DATE	8/22/01	SHEET NO.	2 of 19



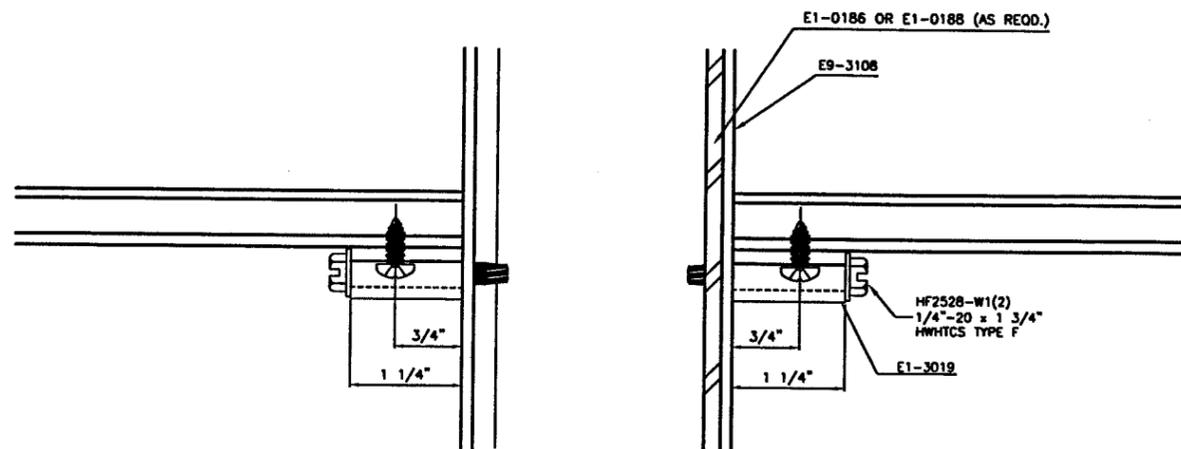
INDICATES STEEL REINFORCEMENT WHEN REQUIRED (SEE NOTE 1.)

+30'-0" MIN. ELEV. ABOVE GRADE TO USE THIS SYSTEM AS SHOWN. (SEE SEPARATE LARGE MISSILE NOA FOR UP TO 30'-0" OF GRADE).

ELEVATION KEYED TO SINGLE GLAZING DETAILS
 SCALE 3/16" = 1' - 0"

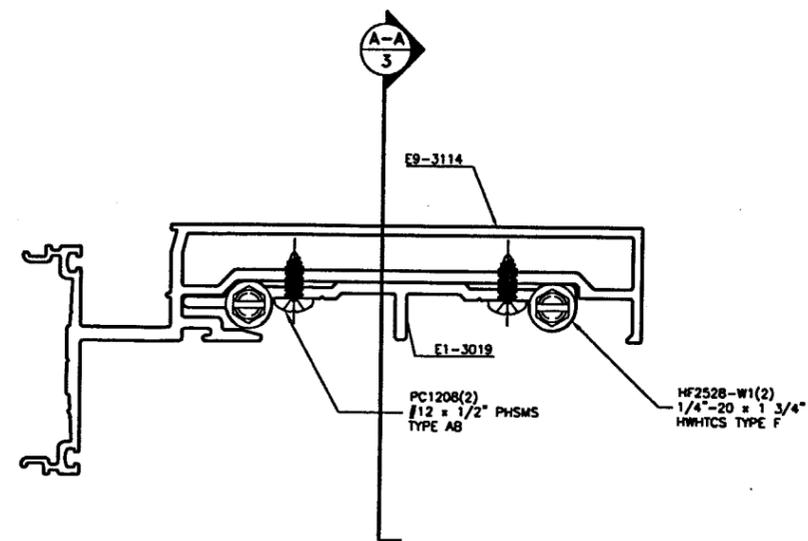
TYPICAL CONNECTION DETAIL

REV.	DESCRIPTION	BY	DATE
A	AS PER DADE CO. REVIEW	RTB	1/22/02



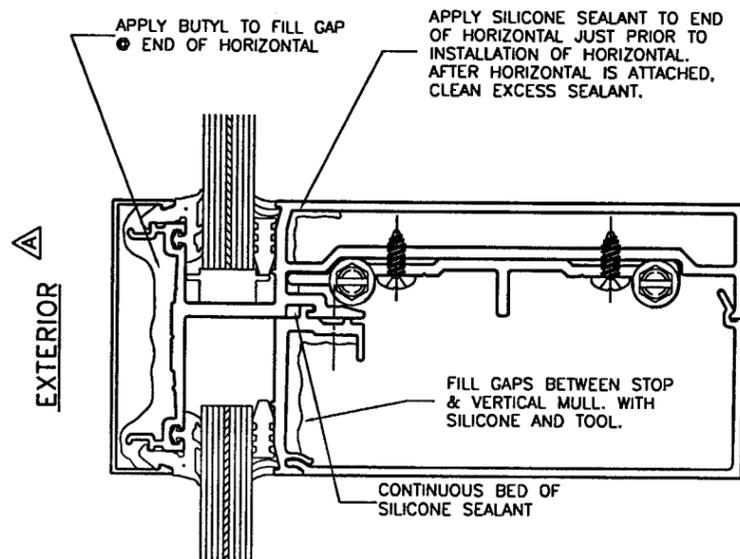
SECTION A-A

EXTERIOR Δ

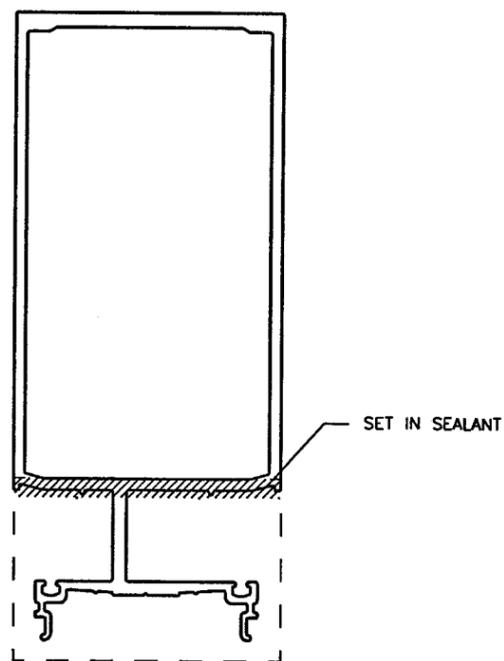


SECTION CONNECTION "HORIZ.-VERT."

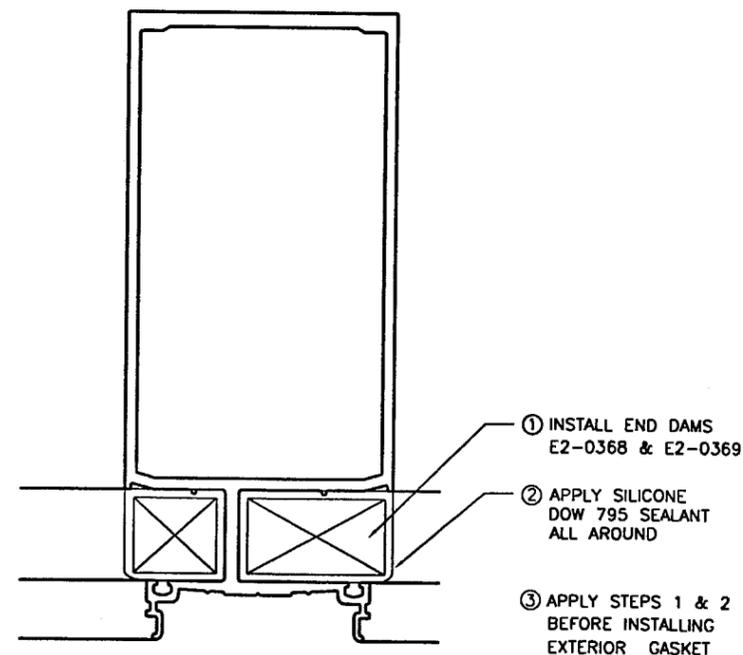
TYPICAL SEALING DETAILS



HORIZONTAL TO VERTICAL



MULLION END CAP
(APPLY BEFORE MULLION ERECTION.)



END DAM @ END OF
HORIZ. HEAD & SILL

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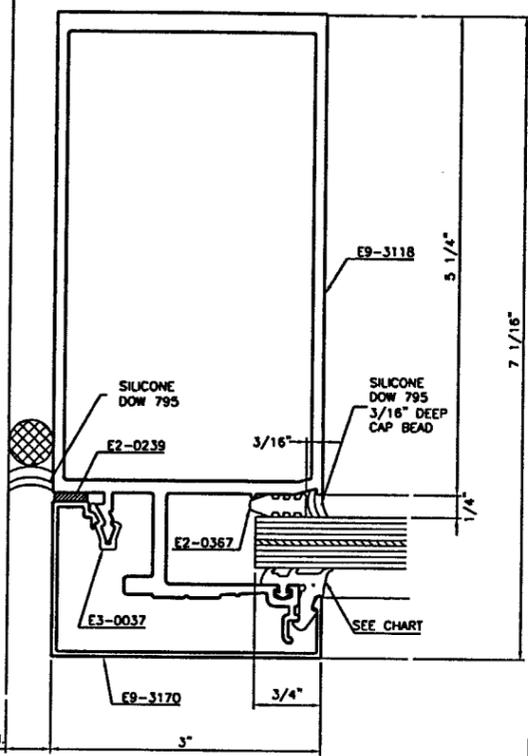
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Date APRIL 25, 2002
NOA# 01-1120-05
Miami Dade Product Control
Division
By Ishaq I. Chaudh

YHC America			
SYSTEM	YHC300 IG (130psf)	SCALE	1/2
DESCRIPTION	TYPICAL GENERAL DETAILS		
DRAWING NUMBER	YHC 300 IG-130S	REV.	A
APPROVED BY	JIA	DATE	8/22/01
DRAWN BY	RTB	SHEET NO.	3 OF 19

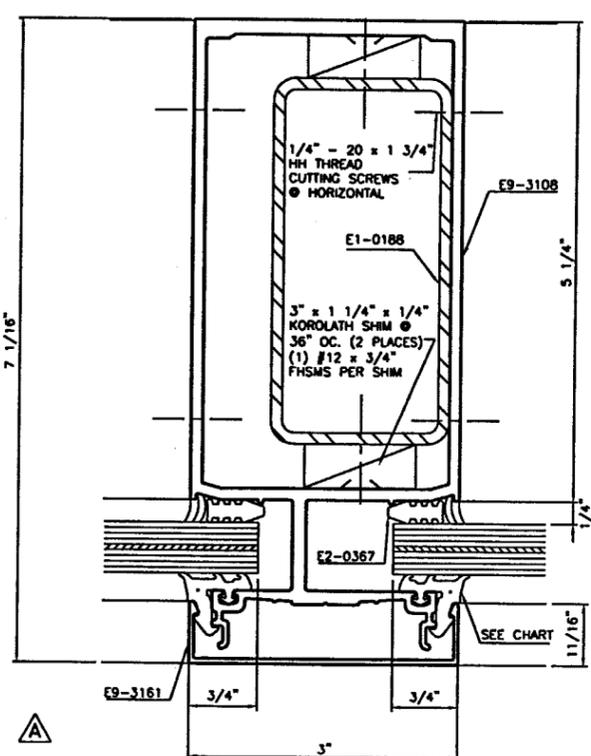
REV.	DESCRIPTION	BY	DATE
A	AS PER DADE CO. REVIEW	RTB	1/22/02

SECTION 1



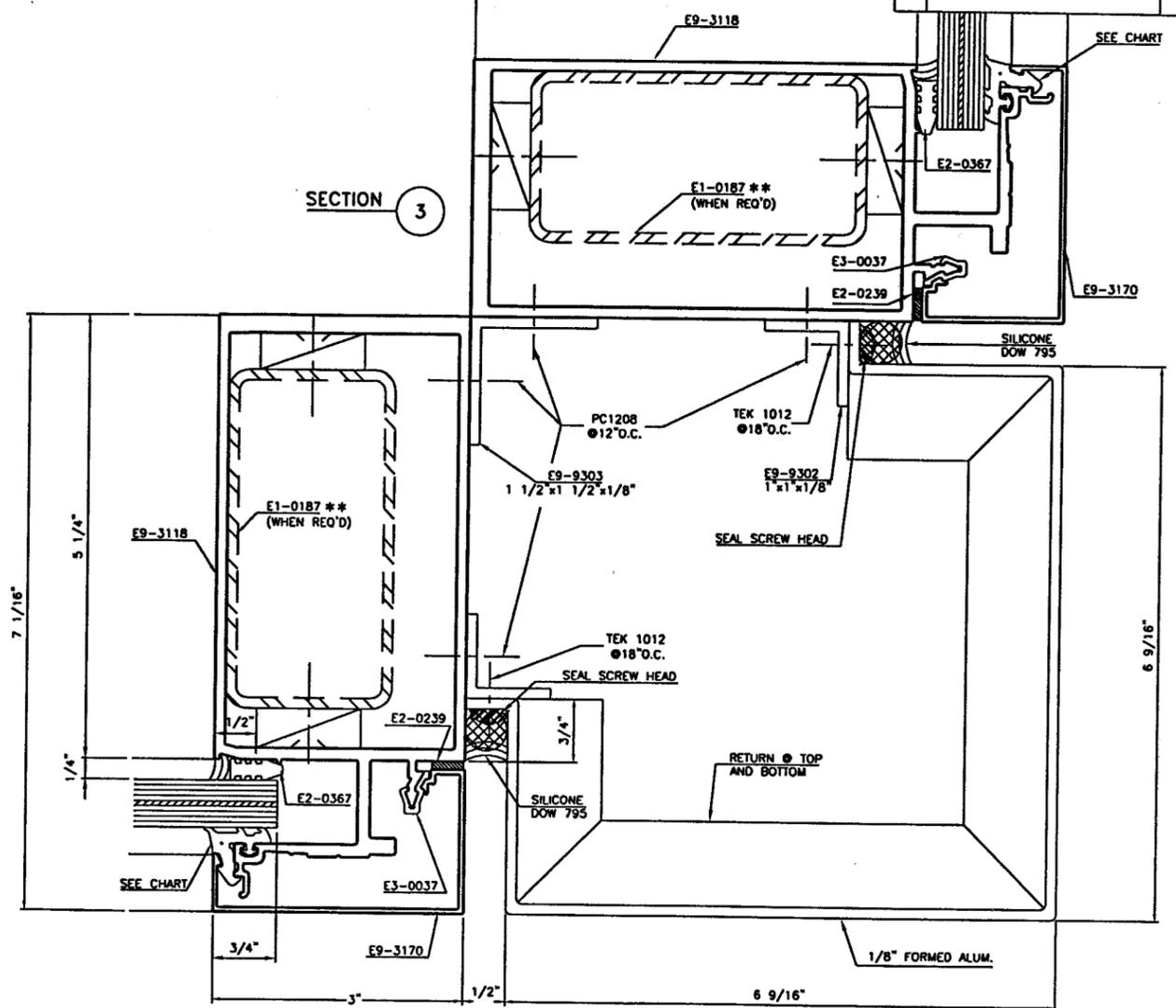
EXTERIOR

SECTION 2



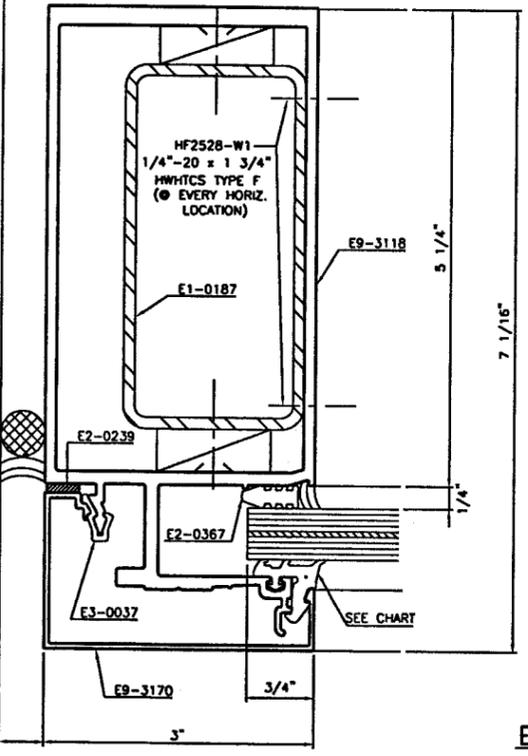
EXTERIOR

SECTION 3



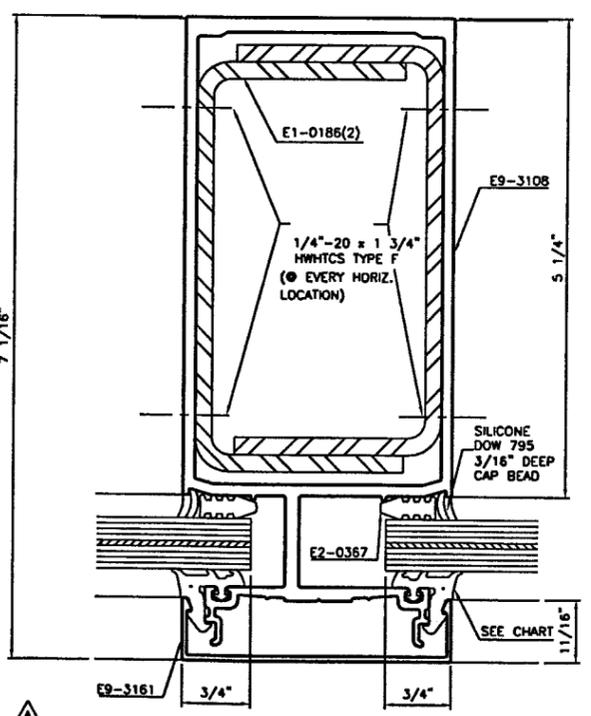
EXTERIOR

SECTION 1A



EXTERIOR

SECTION 2A



EXTERIOR

SECTION 2B

SAME AS SECTION 2A BUT W/O STEEL REINFORCING.

NOTES:
1. EXTERIOR GASKET CHART:

NOM. THICKNESS	USE:
7/16" GLASS	E2-0352
9/16" GLASS	E2-0351

** 2. REINFORCEMENT E1-0187 IN CORNER DETAIL ③ REQUIRED ONLY FOR SINGLE SPAN INSTALLATION TALLER THAN 8'-4 1/2".

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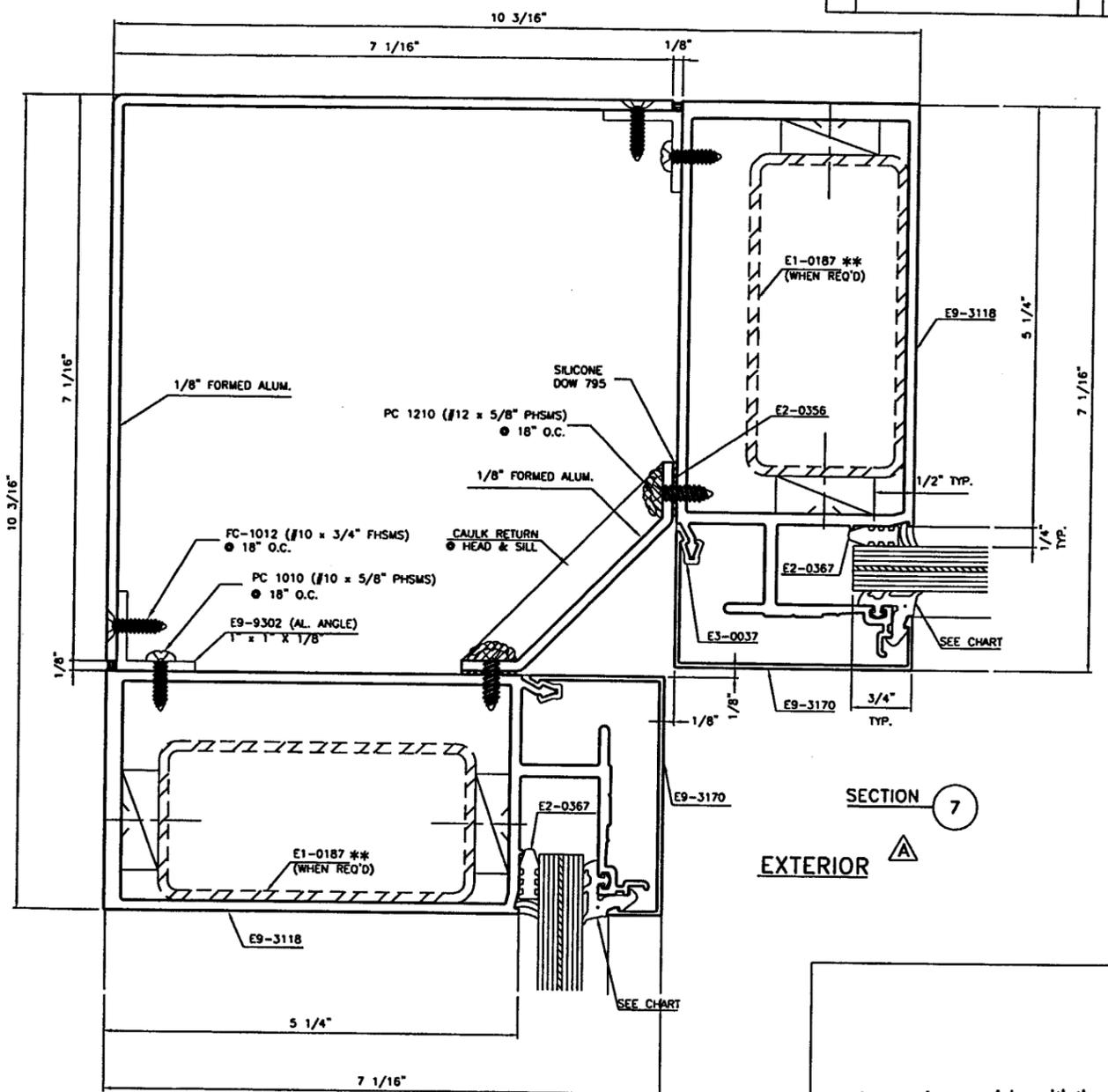
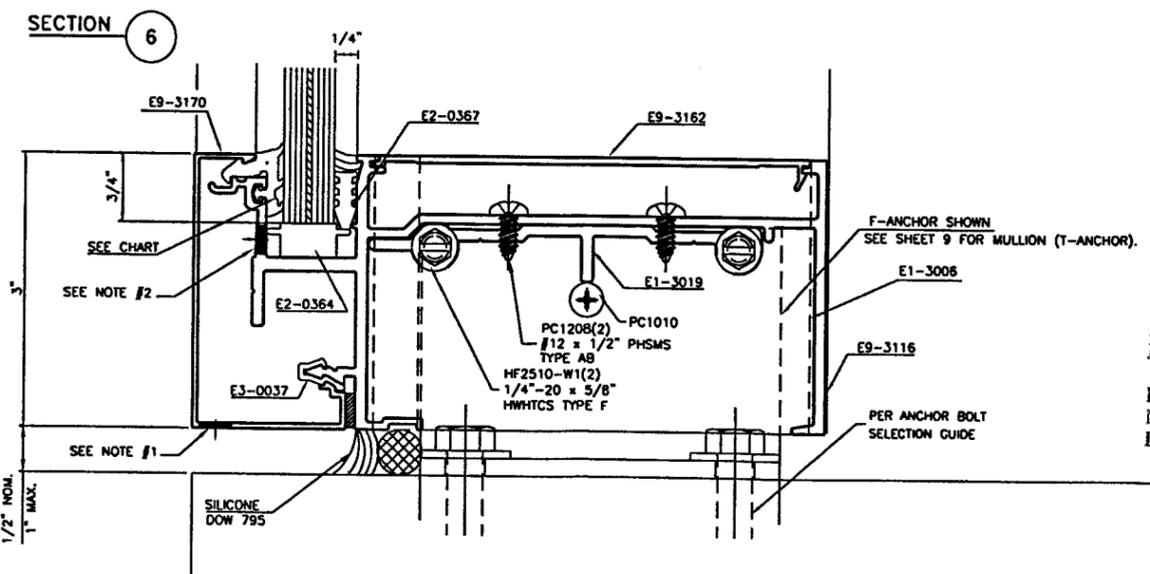
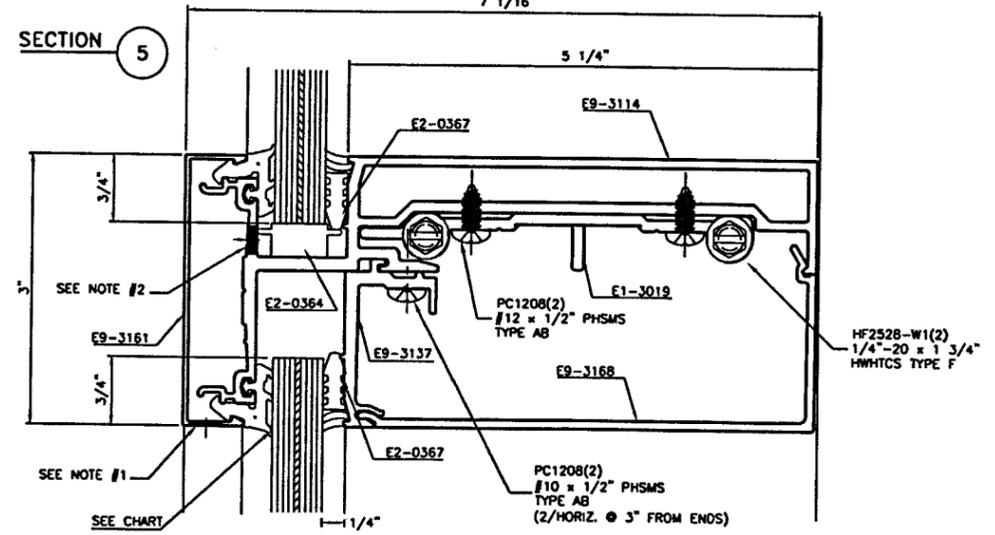
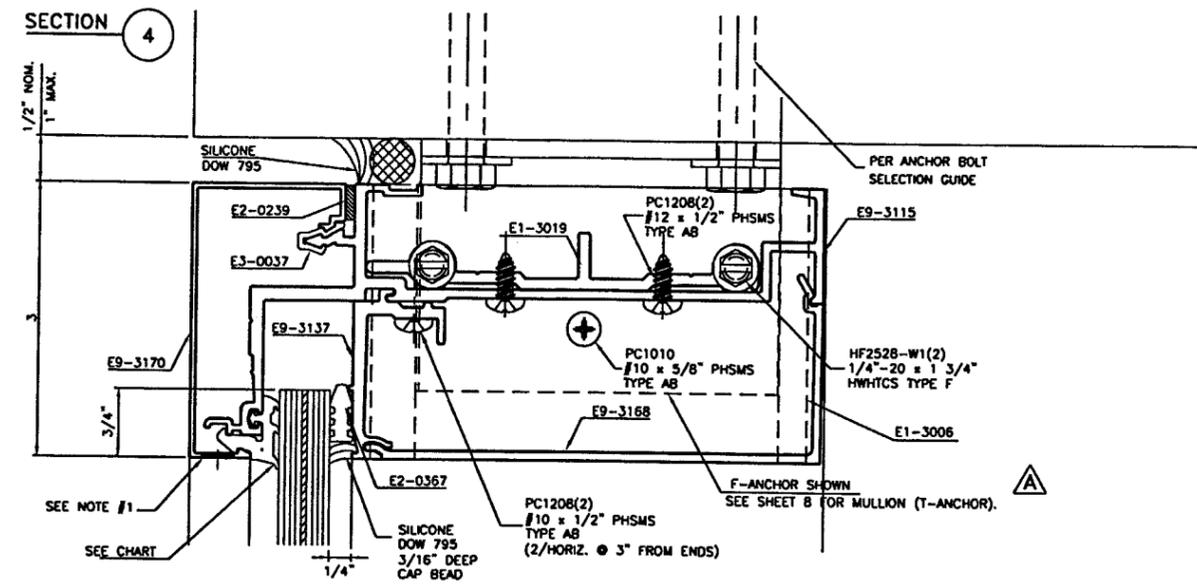
RESERVED FOR METRO-DADE USE ONLY



YPC AMERICA, INC.
5630 GWALTNEY DRIVE
ATLANTA, GEORGIA 30336

SYSTEM	SCALE		
YHC 300 I.G. (130psf)	1/2		
DESCRIPTION			
VERTICAL DETAILS			
DRAWING NUMBER	REV.		
YHC 300 IG-130S	A		
APPROVED BY	DRAWN BY	DATE	SHEET NO.
JIA	RTB	8/22/01	4 of 19

REV.	DESCRIPTION	BY	DATE
A	AS PER DADE CO. REVIEW	RTB	1/22/02



EXTERIOR

EXTERIOR

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Di

- NOTES:
- 5/16" DIA. WEEPHOLE. (2)/HORIZ. LOCATED; @ 1/3 D.L.O. FROM ENDS
 - 5/16" DIA. WEEPHOLE. (3)/HORIZ. LOCATED; (1) @ 3" FROM EACH END AND (1) @ MID-SPAN.

3. EXTERIOR GASKET CHART:

NOM. THICKNESS	USE:
7/16" GLASS	E2-0352
9/16" GLASS	E2-0351

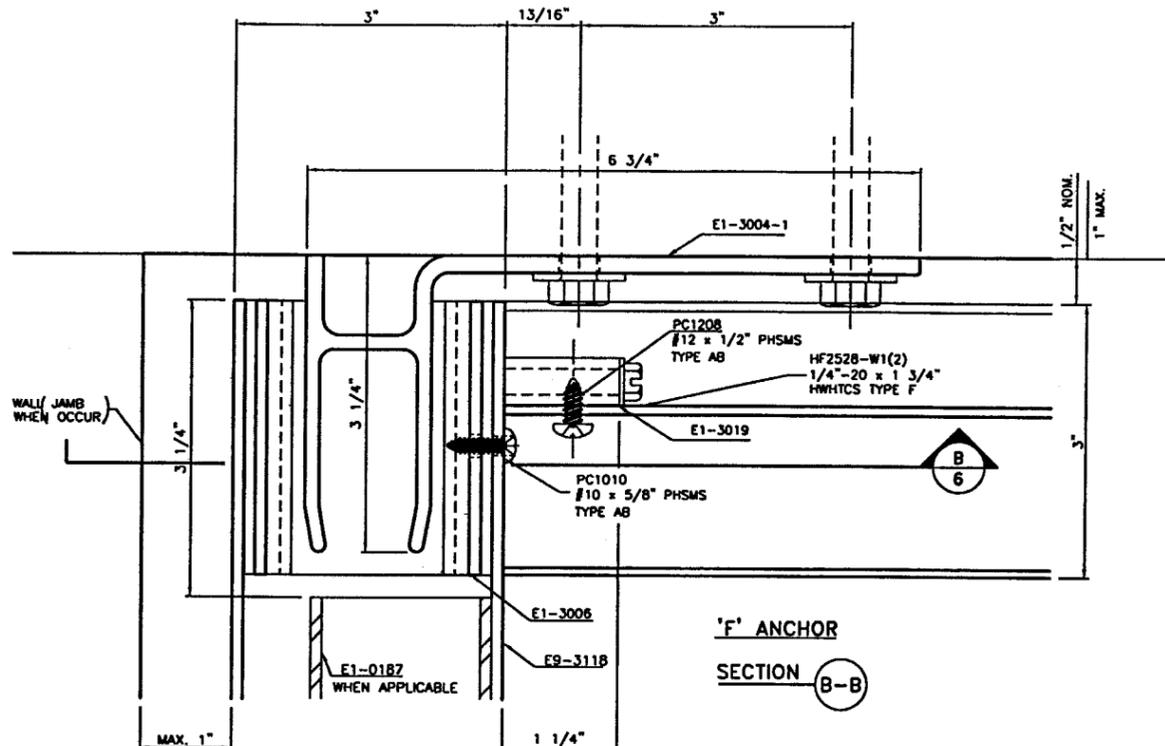
** 4. REINFORCEMENT E1-0187 IN CORNER
DETAIL (C) REQUIRED ONLY FOR SINGLE
SPAN INSTALLATION TALLER THAN 8'-4 1/2"

Approved as complying with the
Florida Building Code
Date APRIL 25, 2002
NOA# 01-1120.05
Miami Dade Product Control
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By Ishag I. Chanda

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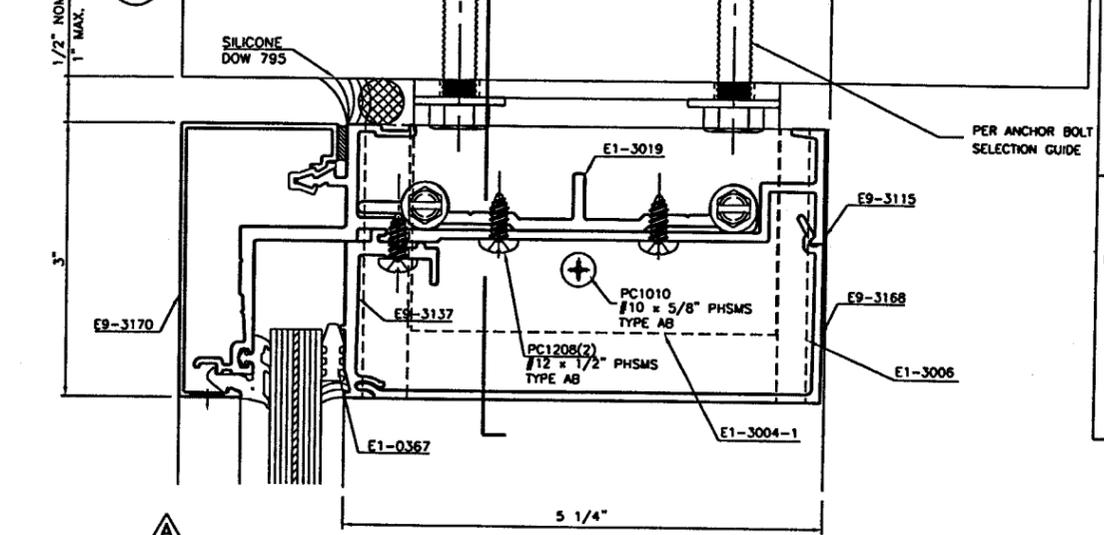
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DESCRIPTION TYP DETAILS			
DRAWING NUMBER	YHC 300 IG-130S	REV.	A
APPROVED BY	JIA	DRAWN BY	RTB
DATE	8/22/01	SHEET NO.	5 of 19

REV.	DESCRIPTION	BY	DATE
A	AS PER DADE CO. REVIEW	RTB	1/22/02

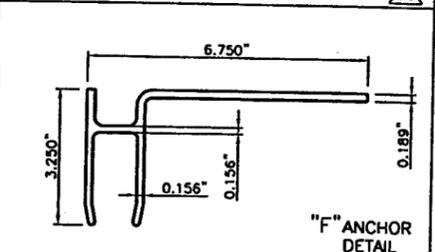


'F' ANCHOR
SECTION B-B

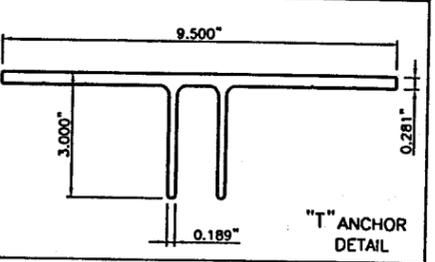
SECTION 4F



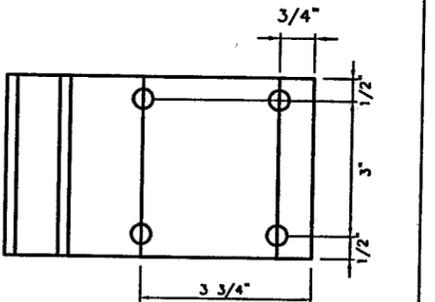
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'F' ANCHOR DETAIL



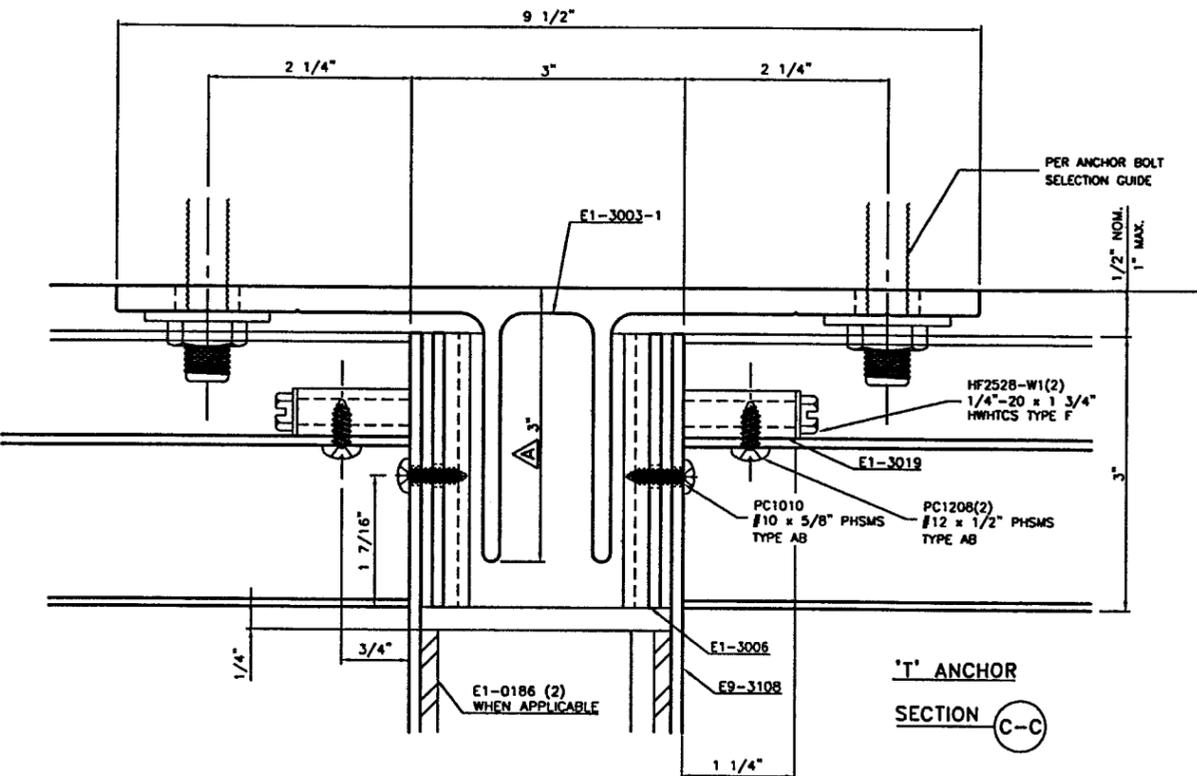
'T' ANCHOR DETAIL



'F' ANCHOR
SECTION B
SCALE 1/4

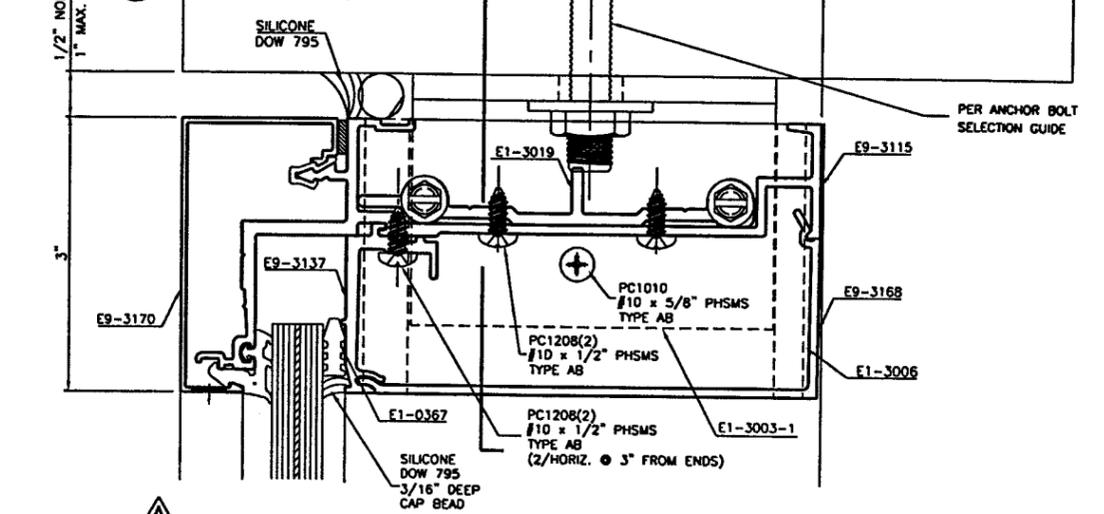
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'T' ANCHOR
SECTION C-C

SECTION 4T



EXTERIOR

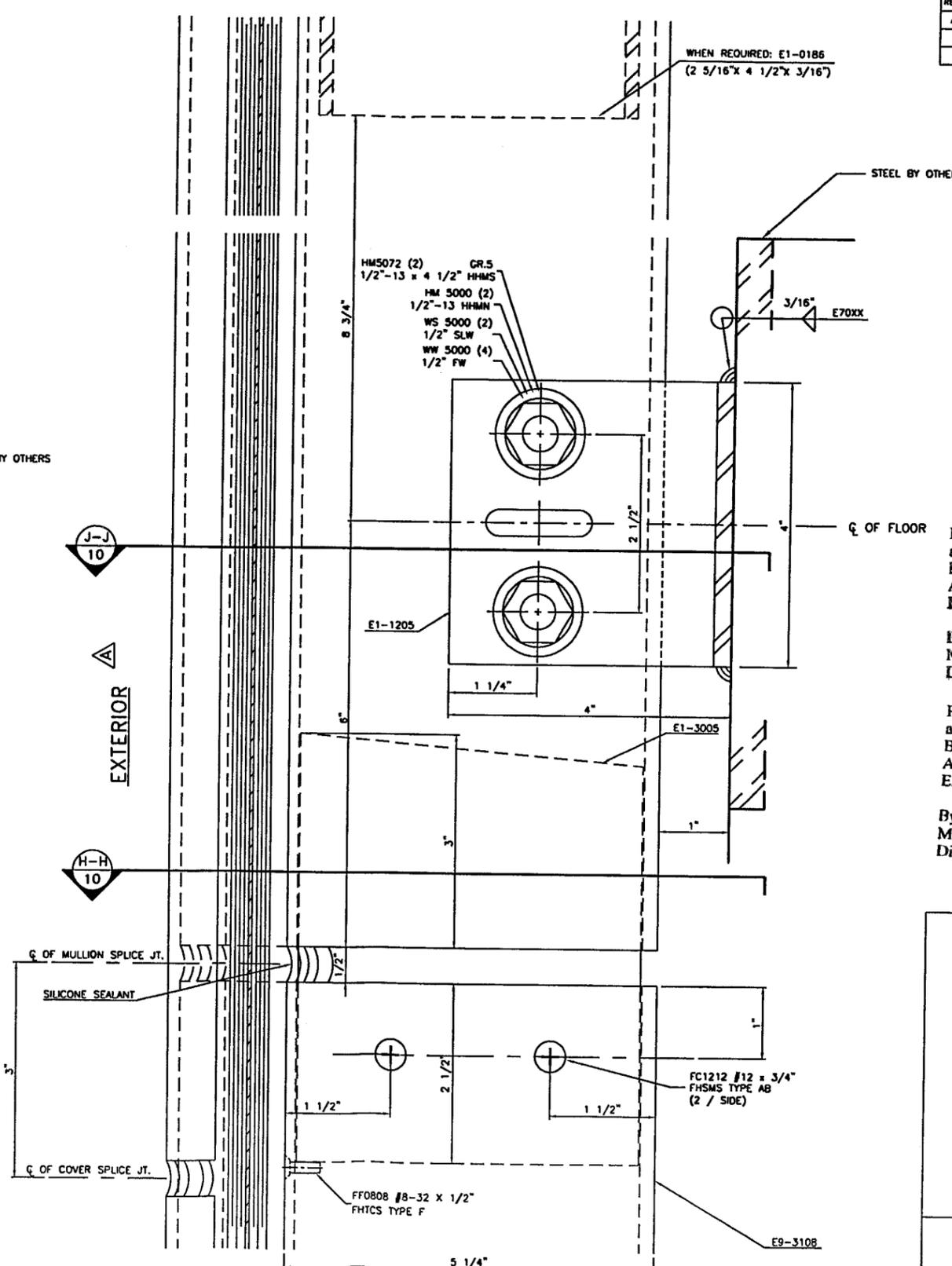
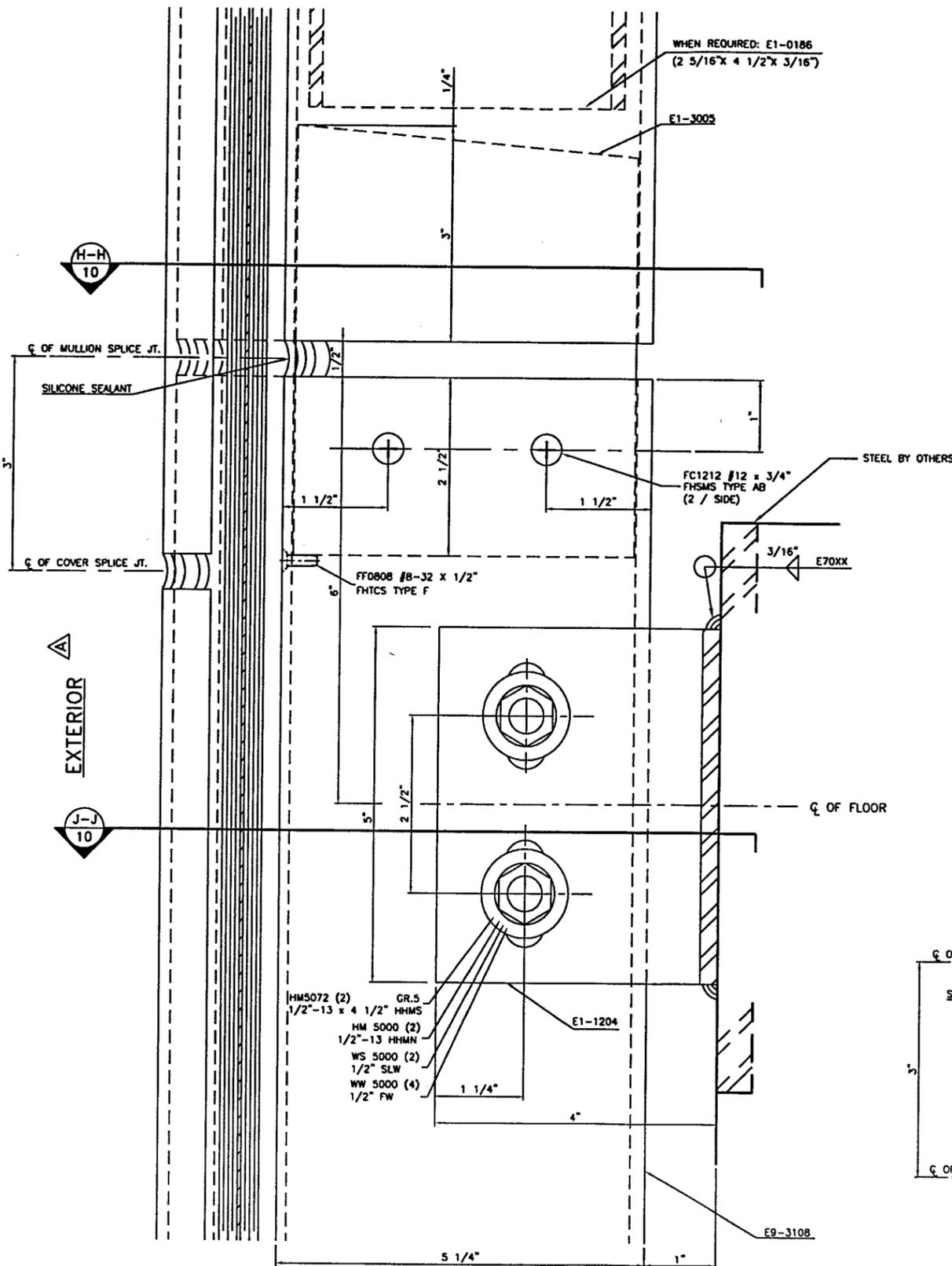
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Y&S America
YKK AP AMERICA, INC.
5630 GWALTNEY DRIVE
ATLANTA, GEORGIA 30336

SYSTEM	YHC 300 I.G. (130psf)	SCALE	1/2
DESCRIPTION	HEAD ANCHOR DETAILS		
DRAWING NUMBER	YHC 300 IG-130S	REV.	A
APPROVED BY	JIA	DATE	8/22/01
DRAWN BY	RTB	SHEET NO.	6 of 19

REV.	DESCRIPTION	BY	DATE
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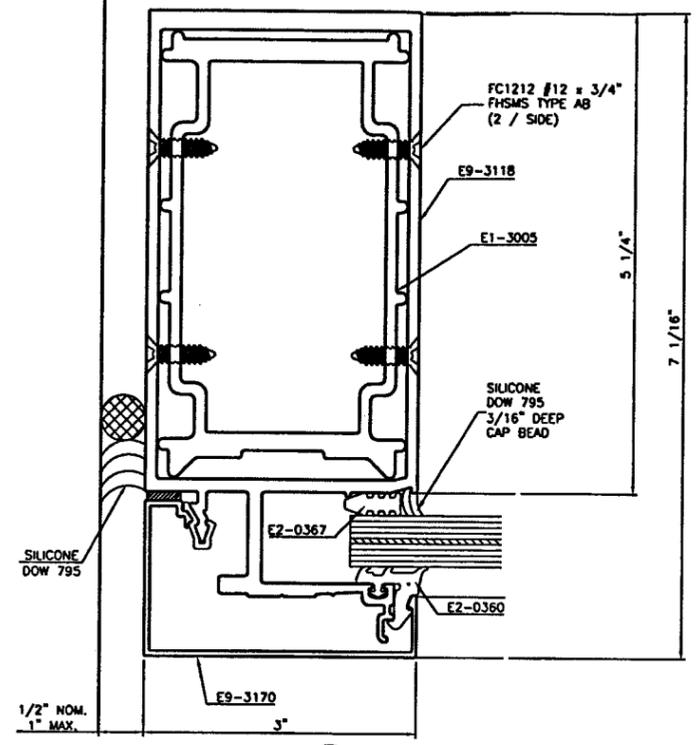
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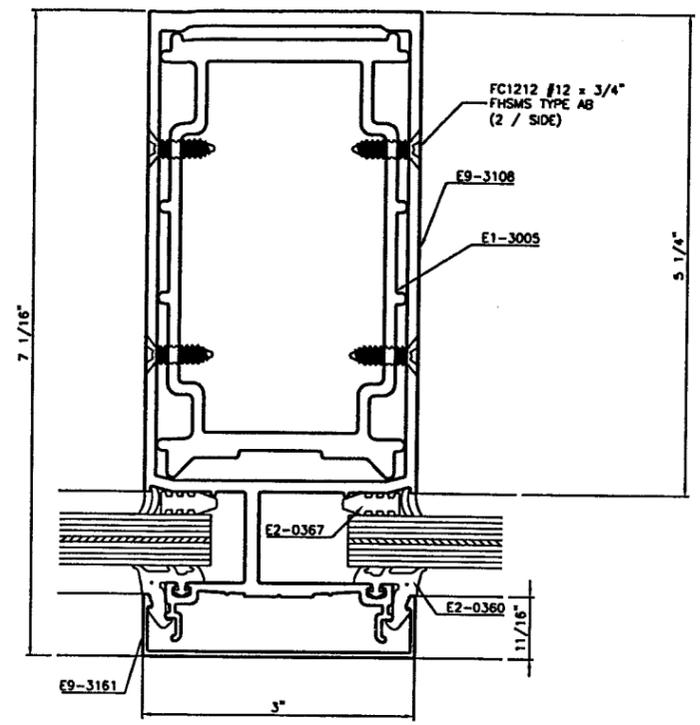
YKK AP America
YKK AP AMERICA, INC.
5630 GWALTNEY DRIVE
ATLANTA, GEORGIA 30336

SYSTEM	YHC 300 I.G. (130psf)	SCALE	1/2
DESCRIPTION	SPLICE & ANCHOR CLIP DETAILS		
DRAWING NUMBER	YHC 300 IG-130S	REV.	A
APPROVED BY	JIA	DATE	8/22/01
DRAWN BY	RTB	SHEET NO.	9 OF 19

REV.	DESCRIPTION	BY	DATE
A	AS PER DADE CO. REVIEW	RTB	1/22/02



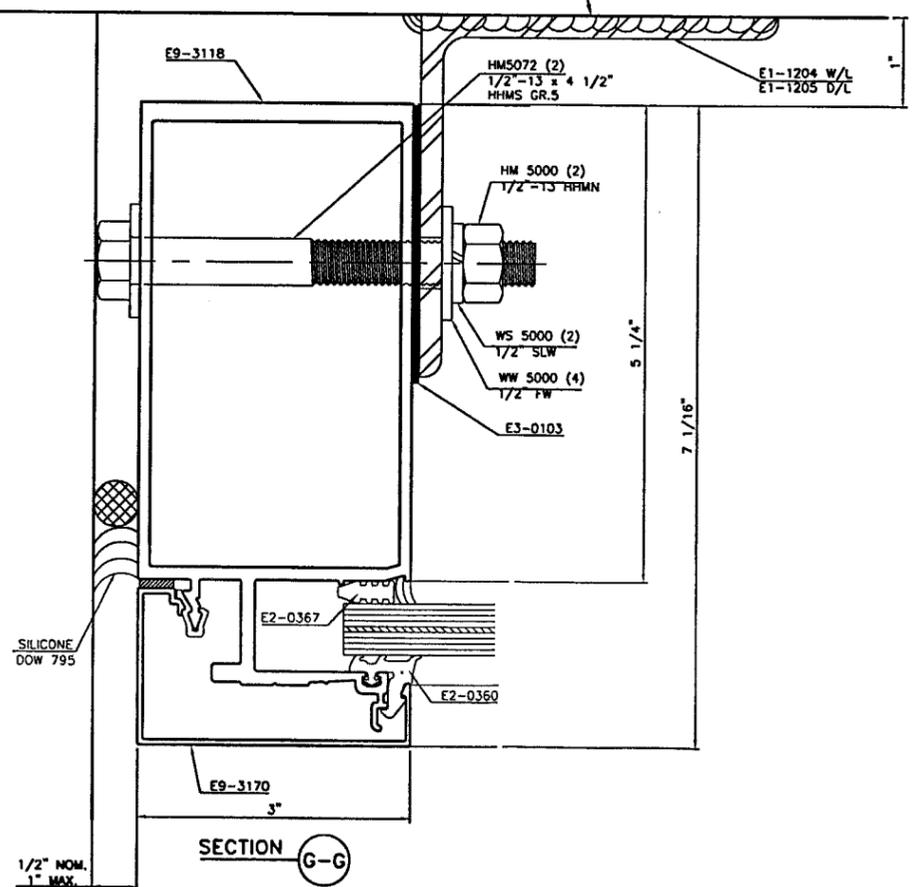
SECTION F-F



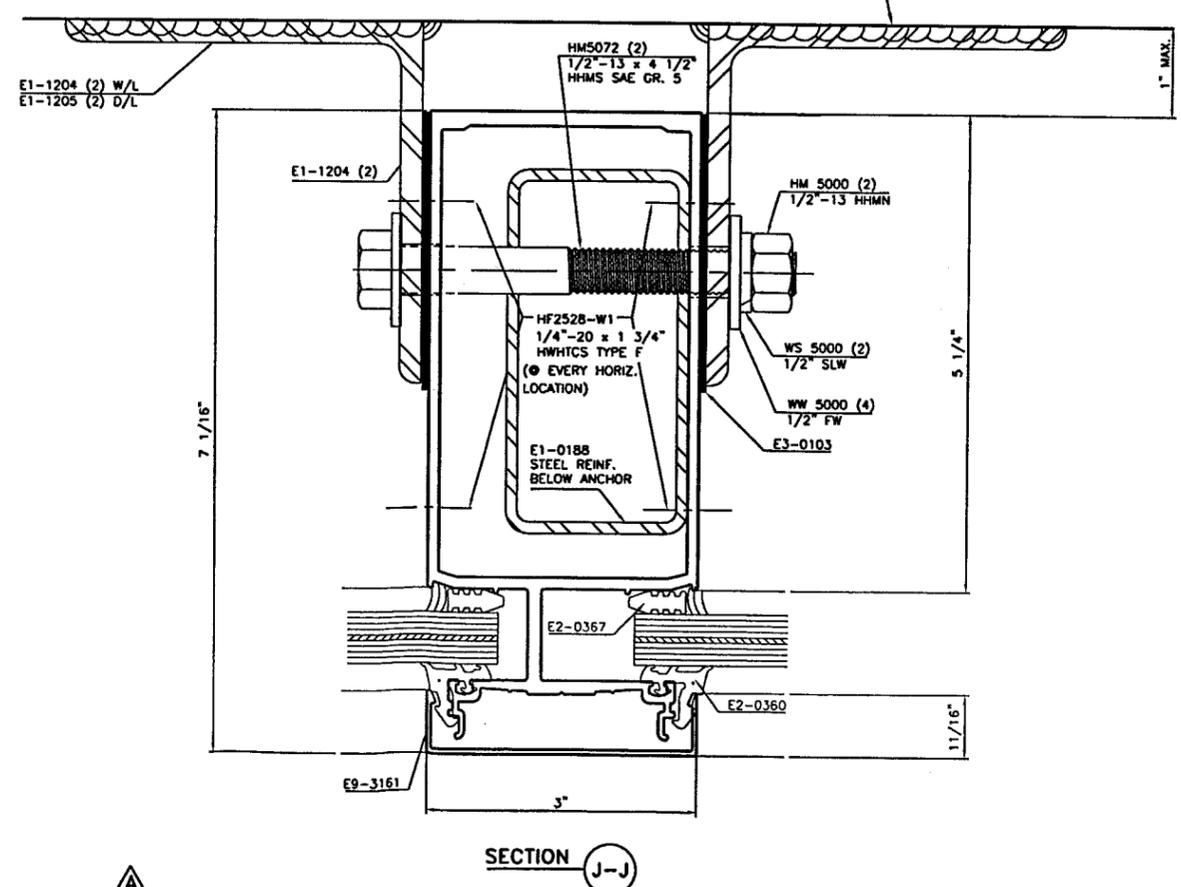
SECTION H-H

EXTERIOR ▲

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SECTION G-G



SECTION J-J

EXTERIOR ▲

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SYSTEM	YHC 300 I.G. (130psf)	SCALE	1/2
DESCRIPTION	SPLICE AND ANCHOR CLIP DETAILS		
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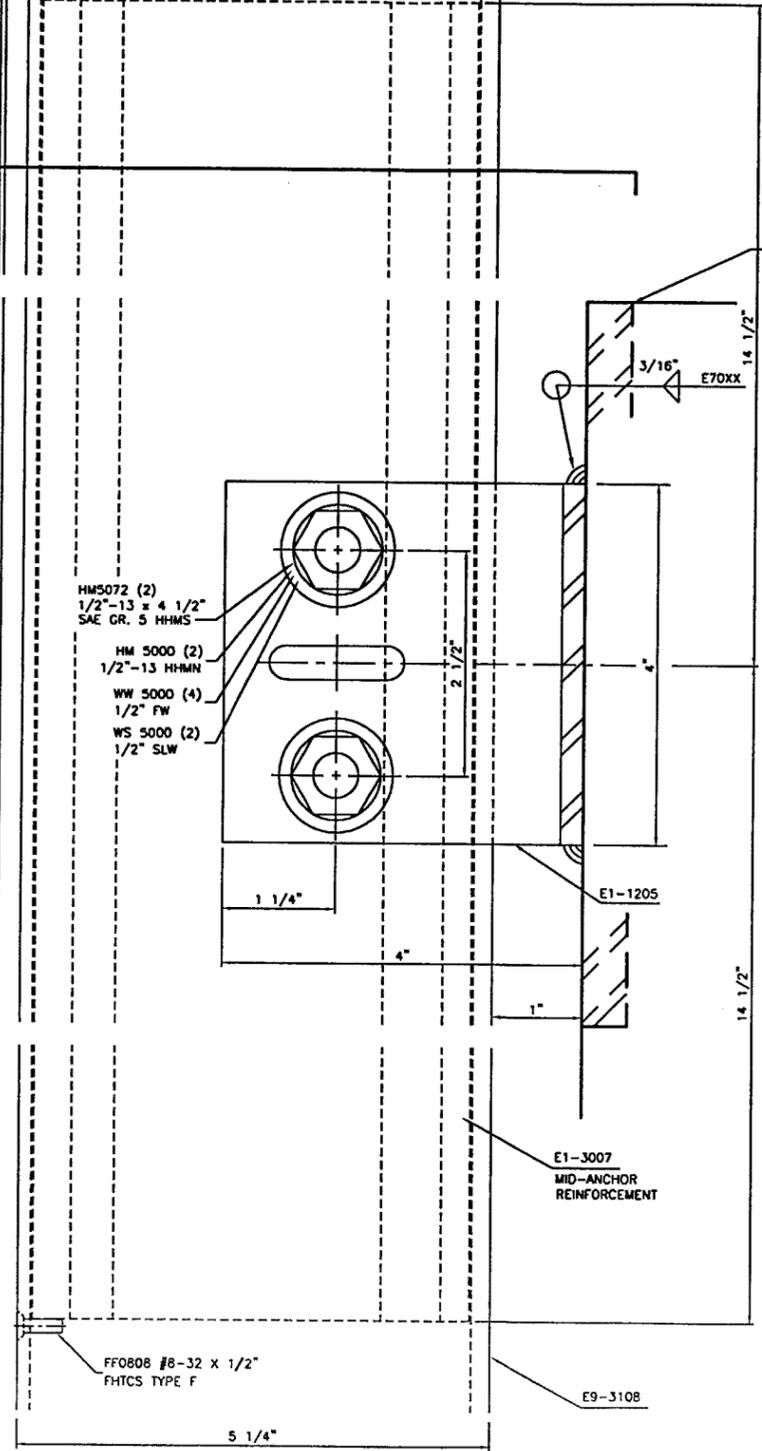
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A	AS PER DADE CO. REVIEW	RTB	1/22/02

K-K
13

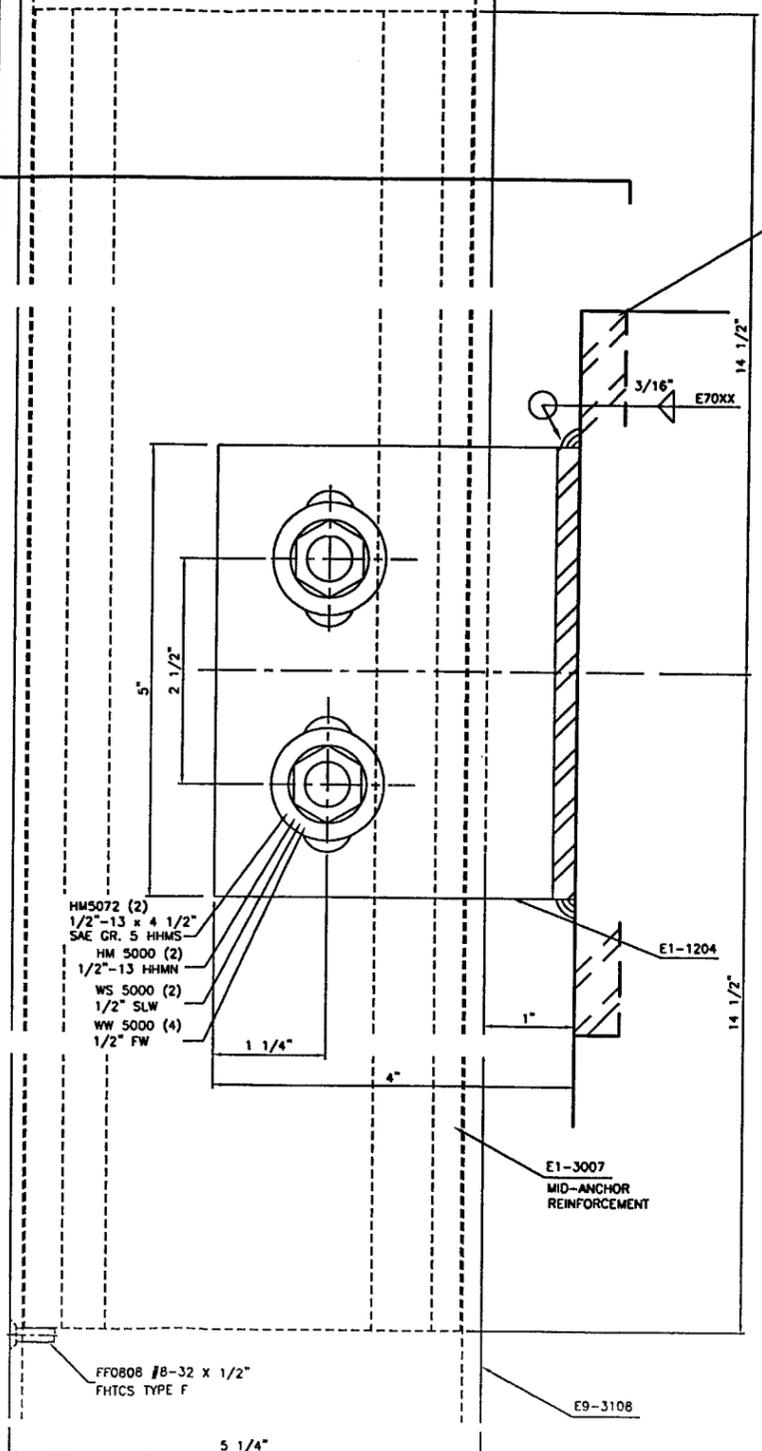
K-K
13

EXTERIOR

EXTERIOR



DEADLOAD ANCHOR CLIP
DETAIL 53
 ● JAMB



WINDLOAD ANCHOR CLIP
DETAIL 53A
 ● JAMB

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YKK America
 YKK AP AMERICA, INC.
 5630 GWALTNEY DRIVE
 ATLANTA, GEORGIA 30336

SYSTEM	YHC 300 I.G. (130psf)	SCALE	1/2
DESCRIPTION	MID-ANCHOR DETAILS		
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APPROVED BY	JIA	DRAWN BY	RTB
DATE	8/22/01	SHEET NO.	11 OF 19

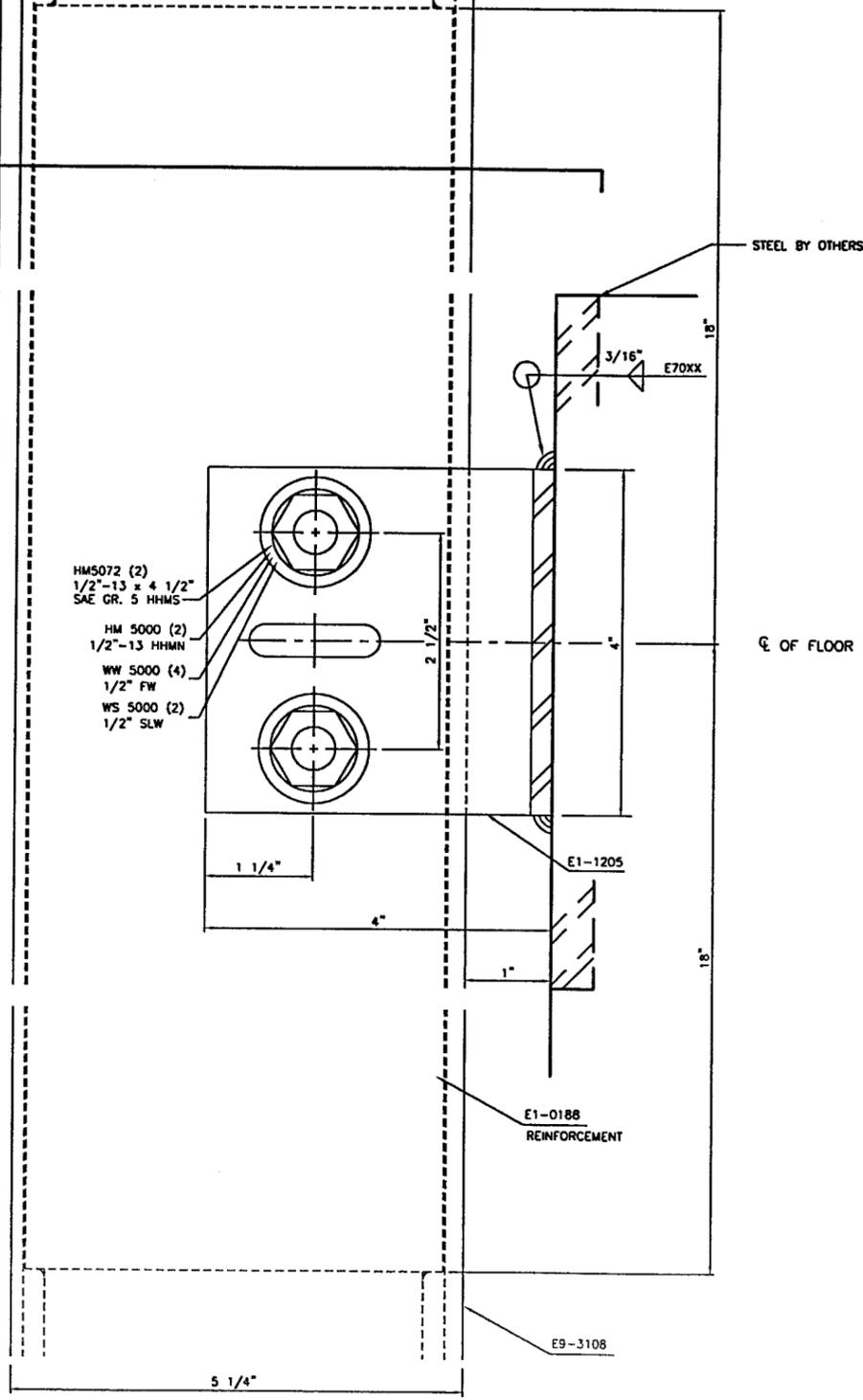
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L-L
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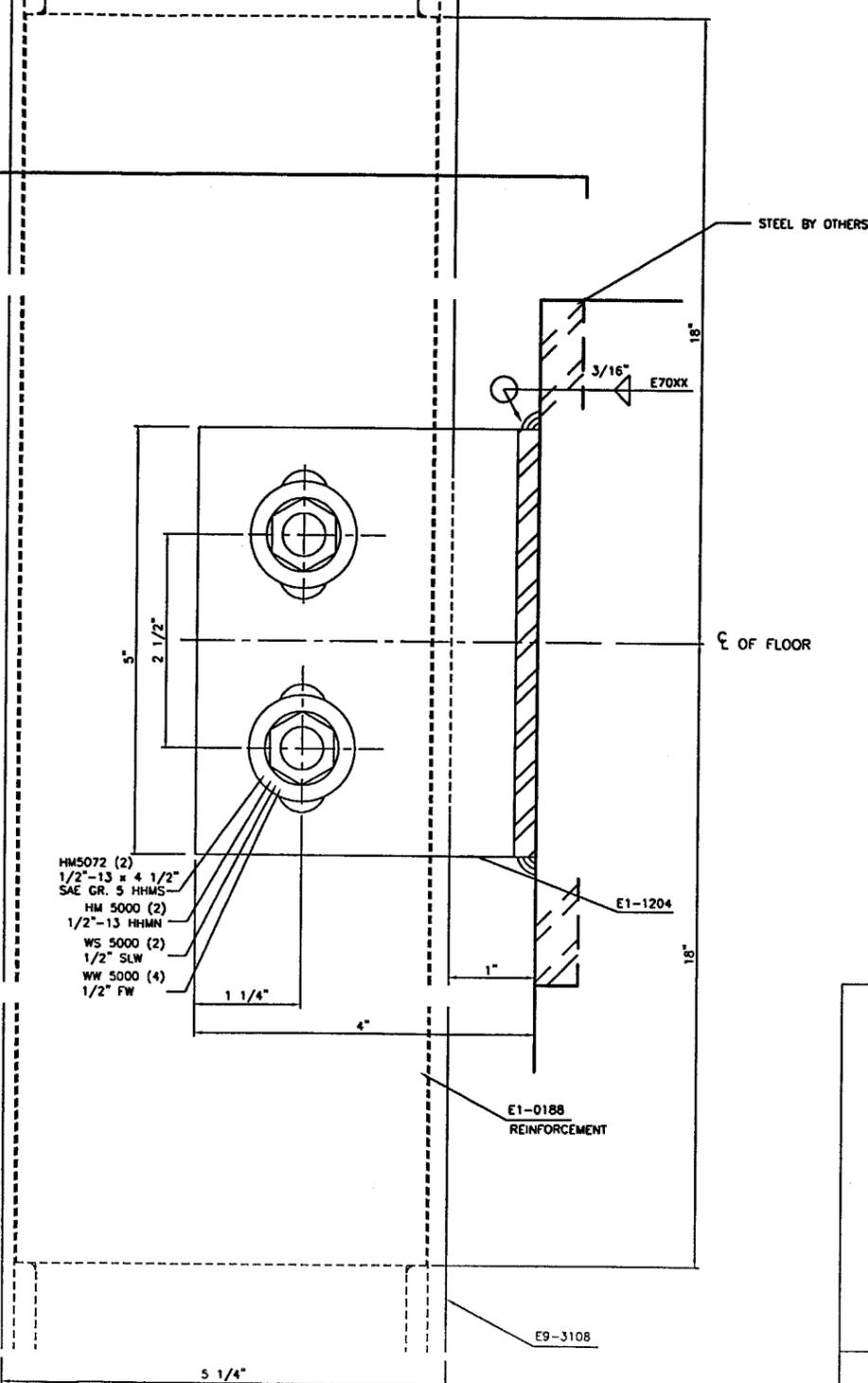
L-L
13

EXTERIOR
A

EXTERIOR
A



DEADLOAD ANCHOR CLIP
 DETAIL 54
 ● MULL.



WINDLOAD ANCHOR CLIP
 DETAIL 54A
 ● MULL.

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 ATLANTA, GEORGIA 30336

SYSTEM	YHC 300 I.G. (130psf)	SCALE	1/2
DESCRIPTION	MID-ANCHOR DETAILS		
DRAWING NUMBER	YHC 300 I.G.-130S	REV.	A
APPROVED BY	JIA	DATE	8/22/01
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REV.	DESCRIPTION	BY	DATE
A	NO CHANGE	RTB	1/22/02

YHC-300 IG 130psf HURRICANE CURTAIN WALL

ANCHOR BOLT SELECTION GUIDE

1. INTRODUCTION: THE ENCLOSED CHARTS ARE INTENDED TO BE USED AS A GUIDE FOR THE PROJECTS INSIDE METRO-DADE BCCO JURISDICTION. THERE ARE MANY POSSIBILITIES AND CONDITIONS THAT AFFECT THE STRUCTURAL BEHAVIOR OF EACH CURTAIN WALL APPLICATION; IN ORDER TO PROVIDE THE ENCLOSED RECOMMENDATIONS, SOME ASSUMPTIONS HAD TO BE MADE IN REFERENCE TO THE STRENGTH OF THE SURROUNDING MATERIALS; LIKE FOR EXAMPLE, CONCRETE IS ASSUMED TO BE OF 3000 PSI STRENGTH. WE ARE PRESENTING TWO COMMON ANCHOR APPLICATIONS SUCH AS THE ANCHORING TO CONCRETE AND TO STEEL; BUT AGAIN, MANY OTHER POSSIBILITIES MAY BE ENCOUNTERED IN THE JOB SITES. THEREFORE, YKK RECOMMENDS TO HAVE EACH PROJECT REVIEWED BY OUR TECHNICAL CENTER OR A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
2. CONSIDERATIONS: IN ORDER TO USE THIS GUIDE, SOME CONSIDERATIONS HAVE TO BE KNOWN PRIOR TO START.
- 2.1 WINDLOAD: THE WINDLOAD FOR THE PROJECT AS DETERMINED BY LOCAL BUILDING CODE REQUIREMENTS.
- 2.2 CONFIGURATION OF THE WALL AS SHOWN BY PROJECT PLANS AND ELEVATIONS; THE IMPORTANT FACTORS TO ESTABLISH ARE:
- + TWIN OR SINGLE SPANS
 - + CLEAR SPAN DIMENSION.
 - + SPACING BETWEEN MULLIONS.
- 2.3 TYPE OF ANCHORS TO BE USED ON EACH DIFFERENT CONDITION ON THE JOB. PLEASE REFER TO DETAIL DRAWINGS FOR INFORMATION ON THE ANCHORS TYPE "F" AND "T".
3. HOW TO USE THIS GUIDE:
- 3.1 FOR EACH CASE, CHOOSE THE ANCHOR TYPE TO BE USED AND LOOK FOR THE APPROPRIATE SHEET, WHETHER IT IS ANCHORING TO CONCRETE OR TO STEEL.
- 3.2 FIND THE CHART ON THE SINGLE SPAN LINE OR TWIN SPAN LINE WITH THE HEADING FOR THE DESIGN WINDLOAD OF THE PROJECT.
- 3.3. DETERMINE THE RECOMMENDED ANCHOR BY FINDING THE CROSSING POINT BETWEEN YOUR PARTICULAR CLEAR SPAN LENGTH AND YOUR PARTICULAR MULLION SPACING. MARK THE POINT. EACH AREA OF THE CHART (AS MARKED BY DIFFERENT HATCHING) HAS A CORRESPONDING RECOMMENDATION FOR BOLTS TO BE USED.

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INTRODUCTION _____ SHEET 15

CONSIDERATIONS _____ SHEET 15

HOW TO USE THIS GUIDE _____ SHEET 15

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CHARTS GUIDE FOR "T" ANCHOR IN CONCRETE _____ SHEET 18

CHARTS GUIDE FOR "T" ANCHOR IN STEEL _____ SHEET 19

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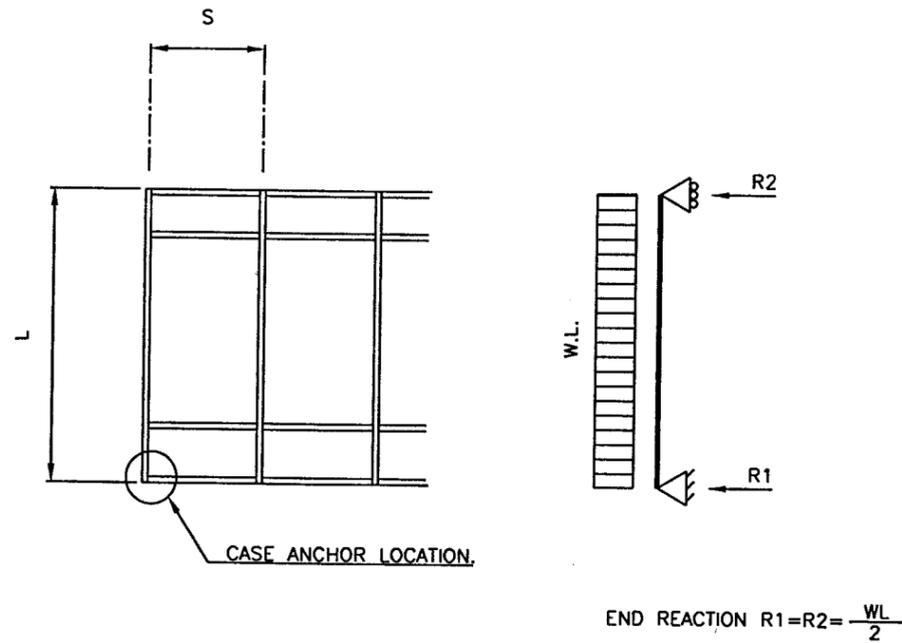
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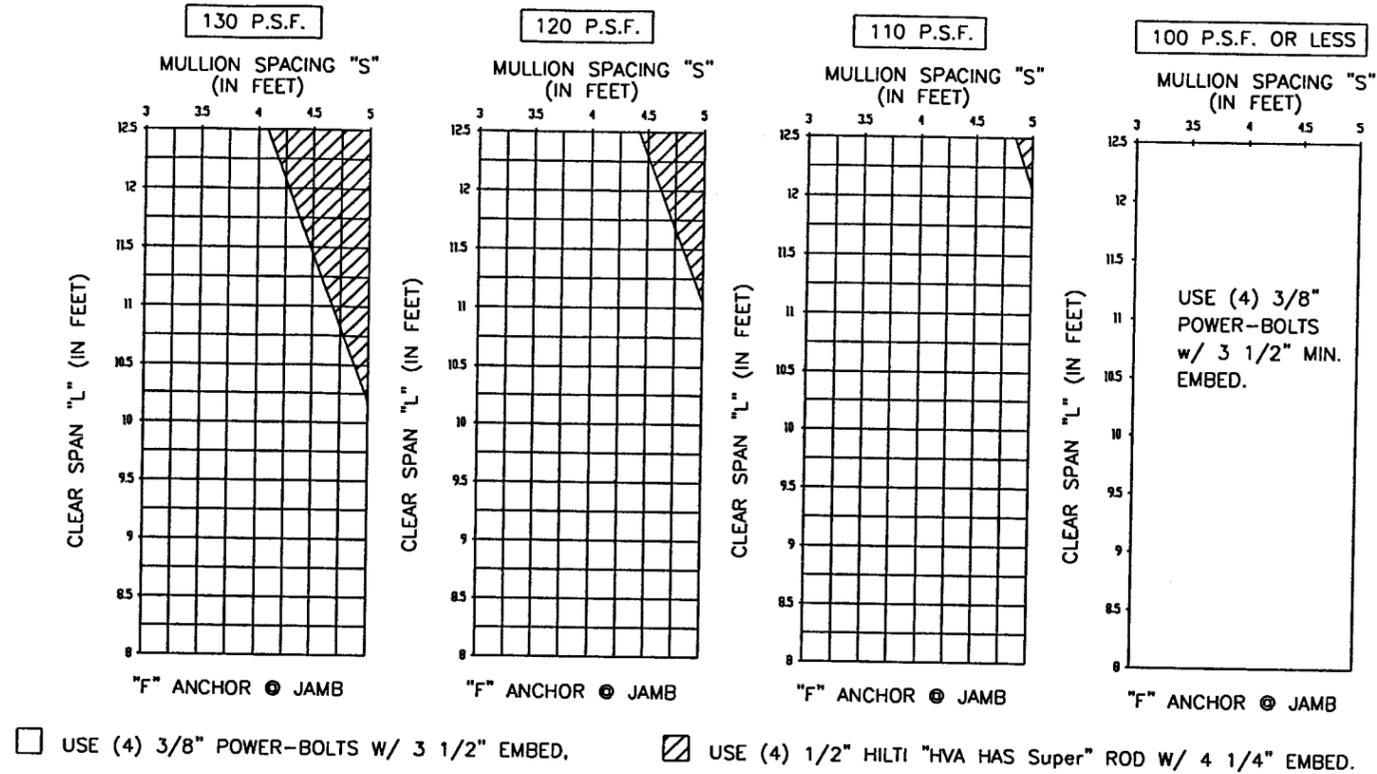
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SYSTEM	YHC 300 I.G. (130psf)	SCALE	NONE
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YHC 300 IG SINGLE SPAN



SINGLE SPAN

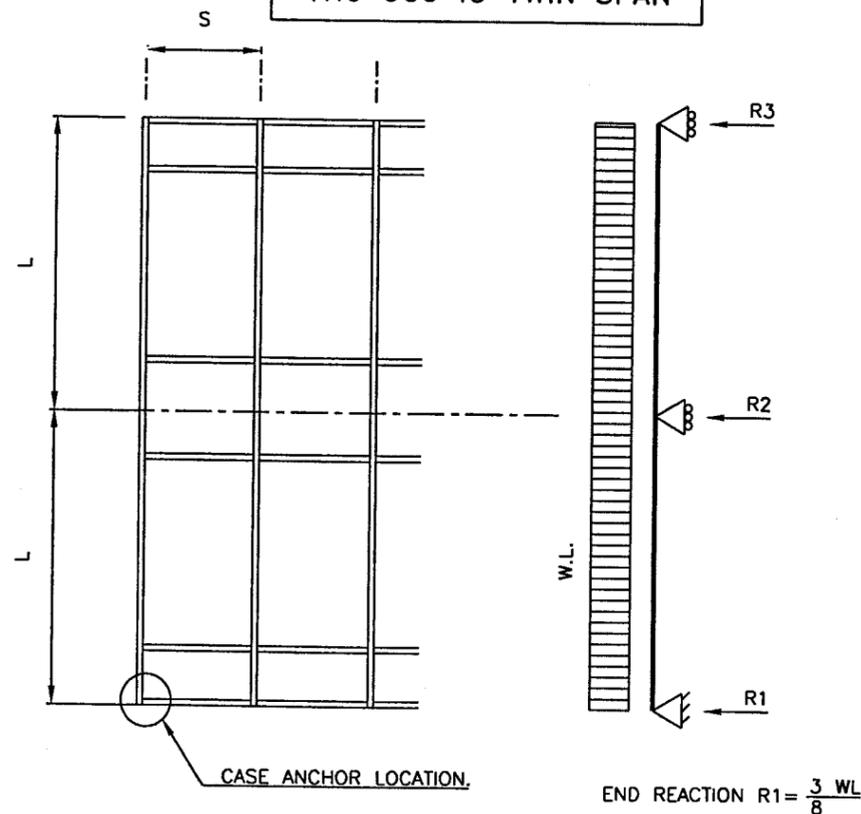


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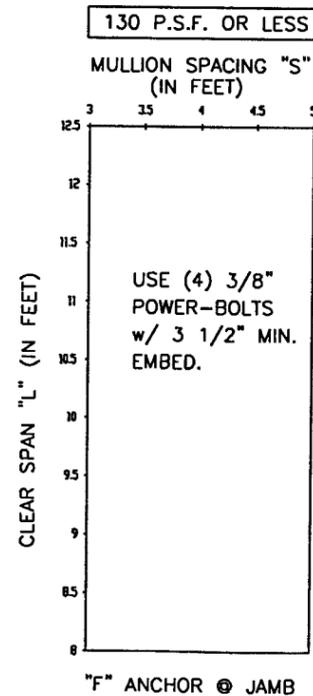
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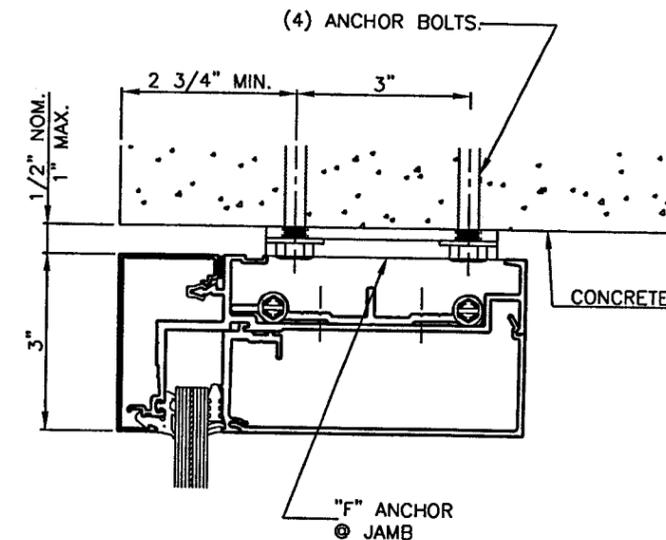
YHC 300 IG TWIN SPAN



TWIN SPAN



- NOTES:
 ANCHORING INTO CONCRETE
 ASSUMING THE FOLLOWING:
 1. CONCRETE TO BE 3000 PSI MIN.
 2. EDGE DISTANCE AS SHOWN MIN.
 3. SIZES AND EMBEDMENT AS PER CHARTS.



CONCRETE

ANCHOR BOLT SELECTION GUIDE FOR "F" ANCHOR



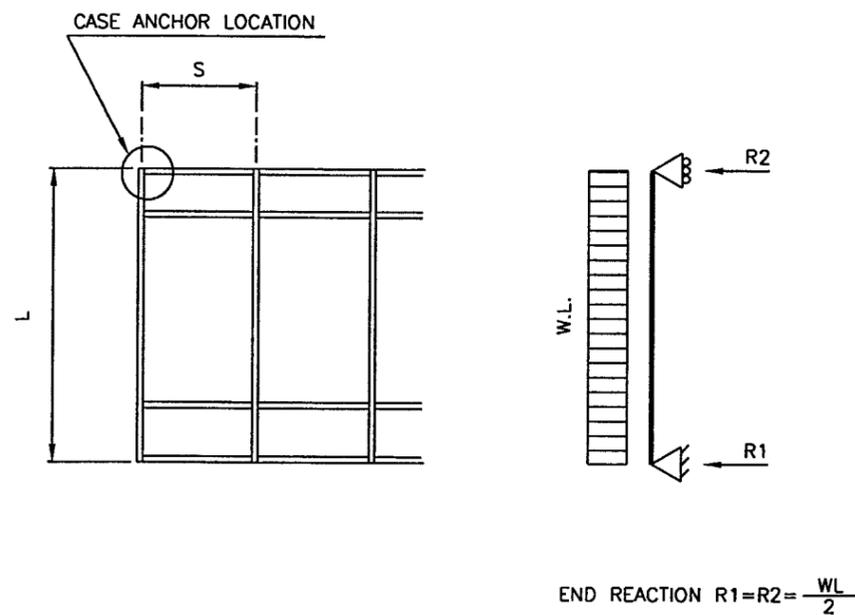
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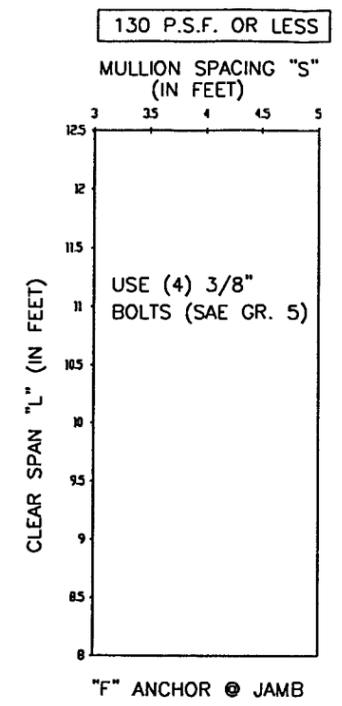
YHC America YKC AP AMERICA, INC.
 5630 GWALTNEY DRIVE
 ATLANTA, GEORGIA 30336

SYSTEM	SCALE		
YHC 300 I.G. (130psf)	NONE		
DESCRIPTION			
ANCHOR BOLT SELECTION GUIDE			
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APPROVED BY	DRAWN BY	DATE	SHEET NO.
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YHC 300 IG SINGLE SPAN



SINGLE SPAN

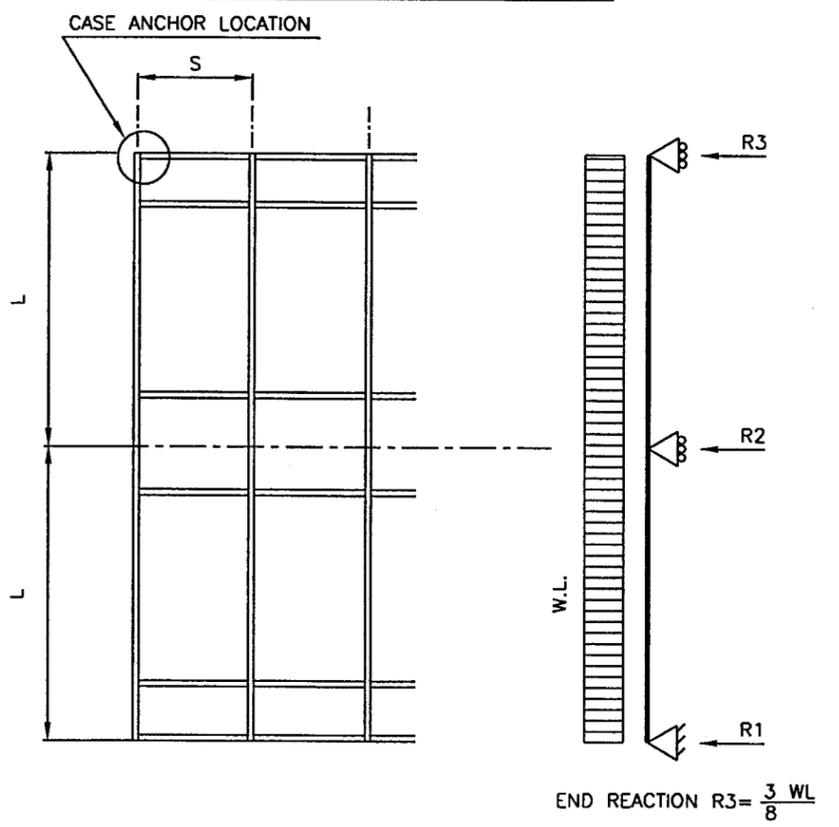


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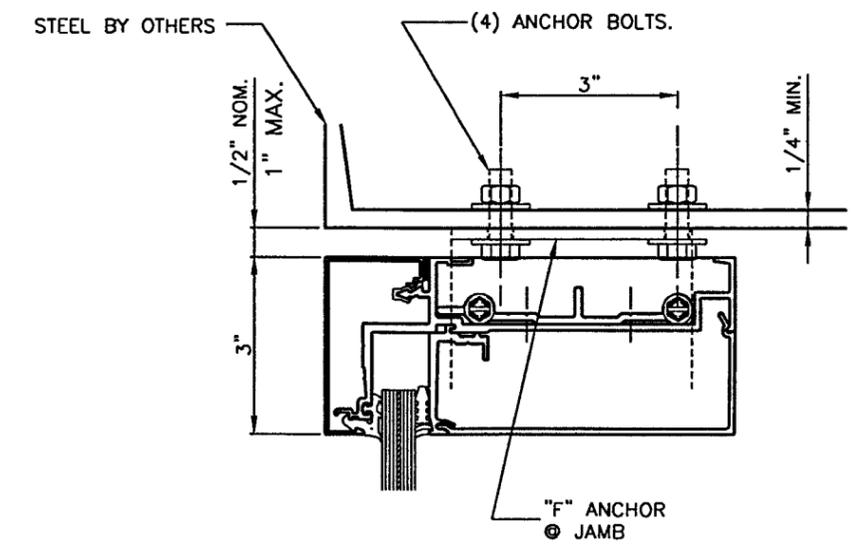
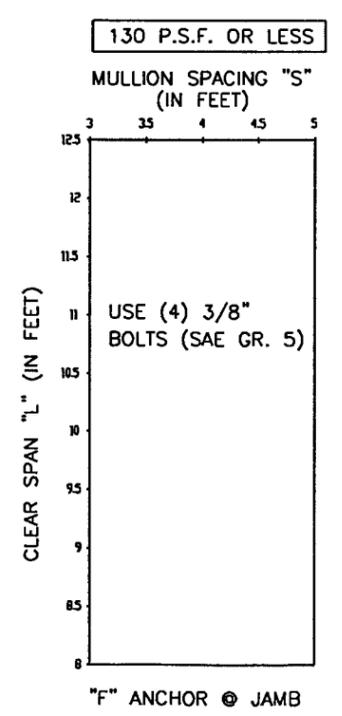
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YHC 300 IG TWIN SPAN



TWIN SPAN



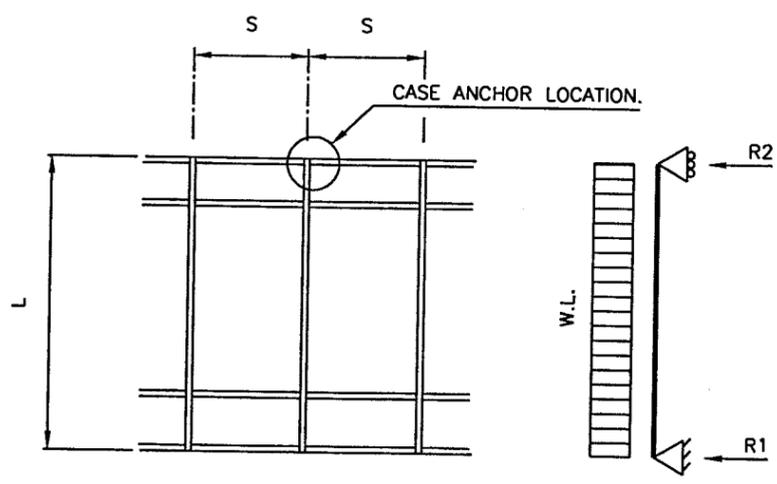
STEEL
ANCHOR BOLT SELECTION
GUIDE FOR "F" ANCHOR



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Miami Dade Product Control
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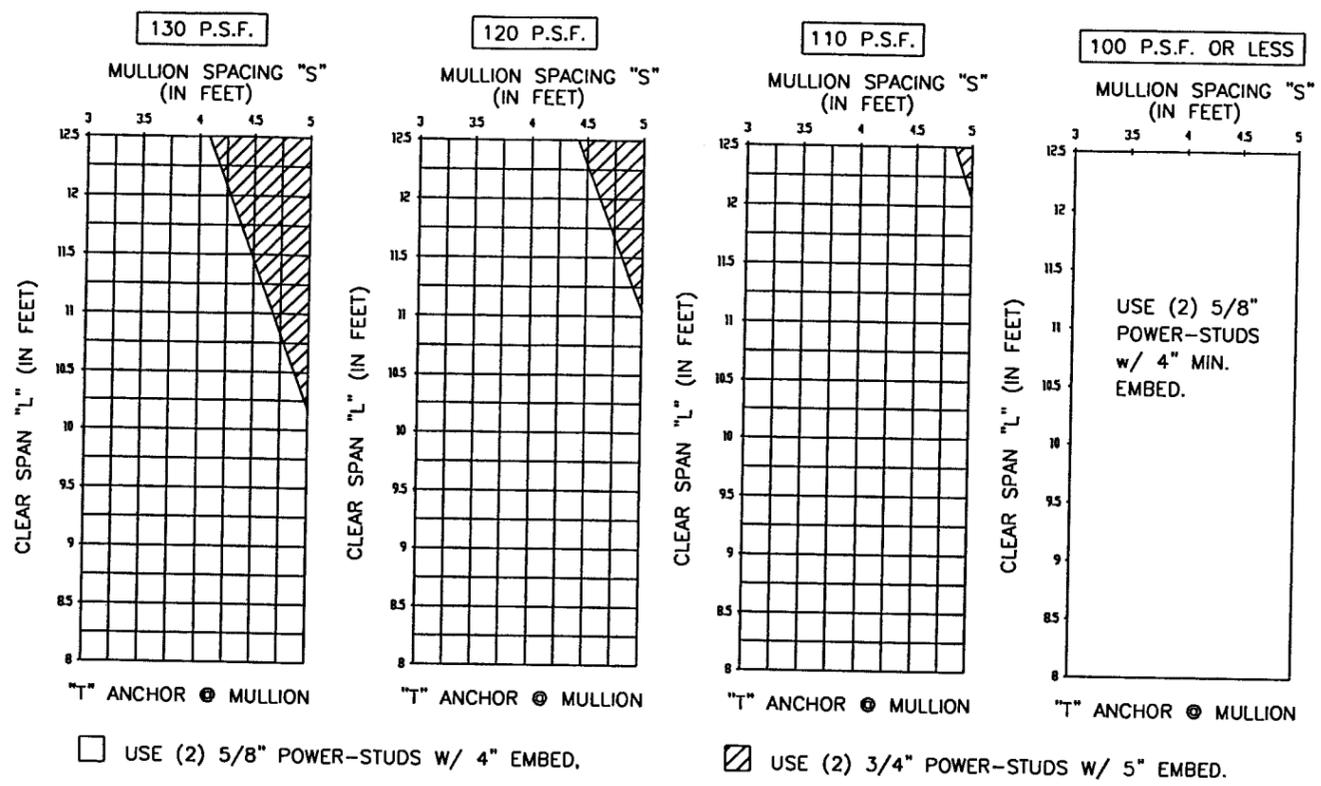
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DESCRIPTION ANCHOR BOLT SELECTION GUIDE			
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YHC 300 IG SINGLE SPAN



END REACTION $R1=R2=\frac{WL}{2}$

SINGLE SPAN

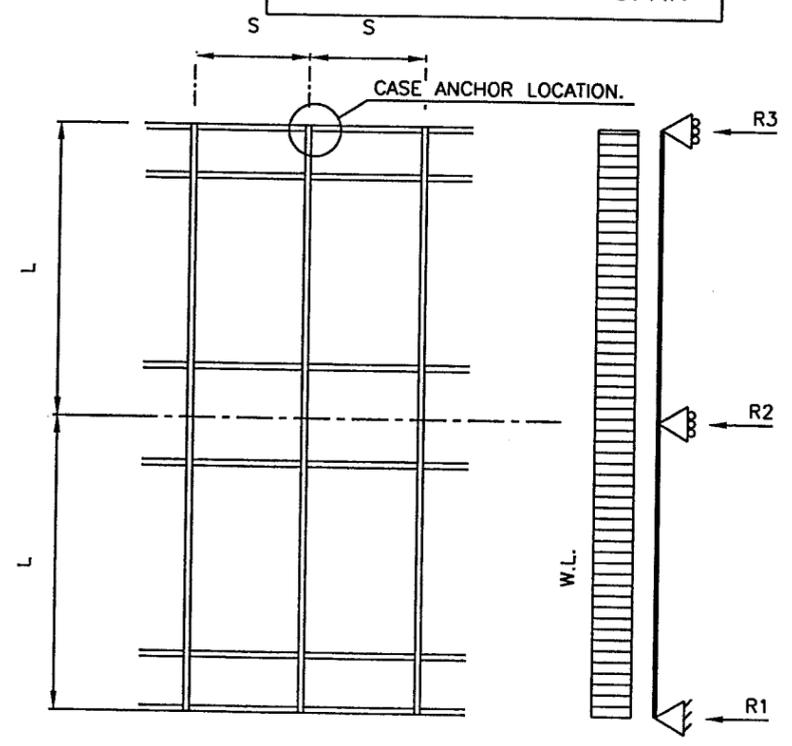


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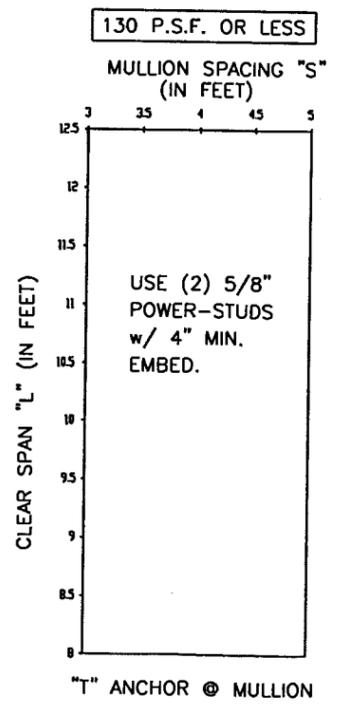
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YHC 300 ISG TWIN SPAN

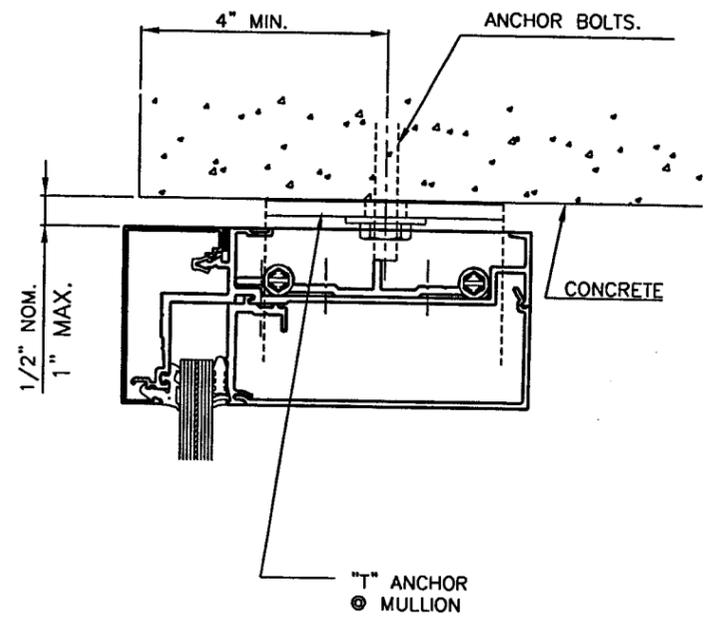


END REACTION $R3=\frac{3}{8}WL$

TWIN SPAN



- NOTES:
ANCHORING INTO CONCRETE
ASSUMING THE FOLLOWING:
1. CONCRETE TO BE 3000 PSI MIN.
2. EDGE DISTANCE AS SHOWN MIN.
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CONCRETE

ANCHOR BOLT SELECTION GUIDE FOR "T" ANCHOR



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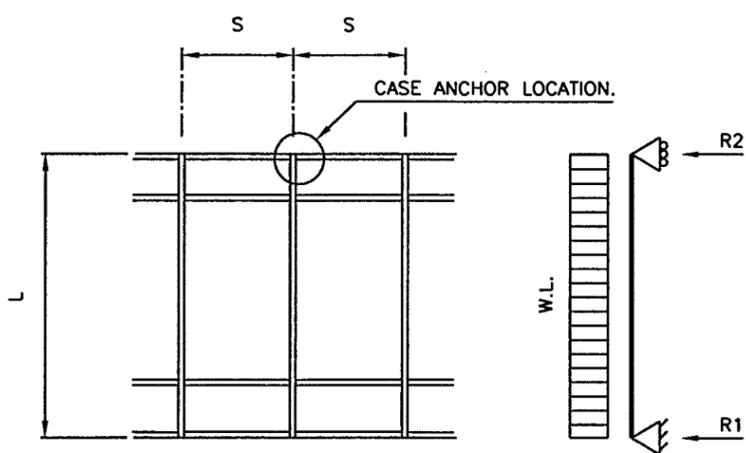
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YHC AP AMERICA, INC.
5630 GWALTNEY DRIVE
ATLANTA, GEORGIA 30336

SYSTEM	YHC 300 I.G. (130psf)	SCALE	NONE
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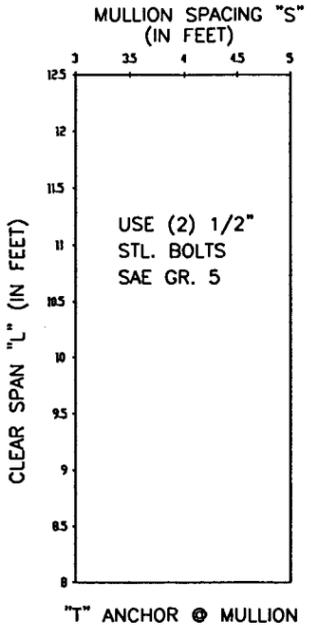
YHC 300 IG SINGLE SPAN



END REACTION $R1=R2=\frac{WL}{2}$

SINGLE SPAN

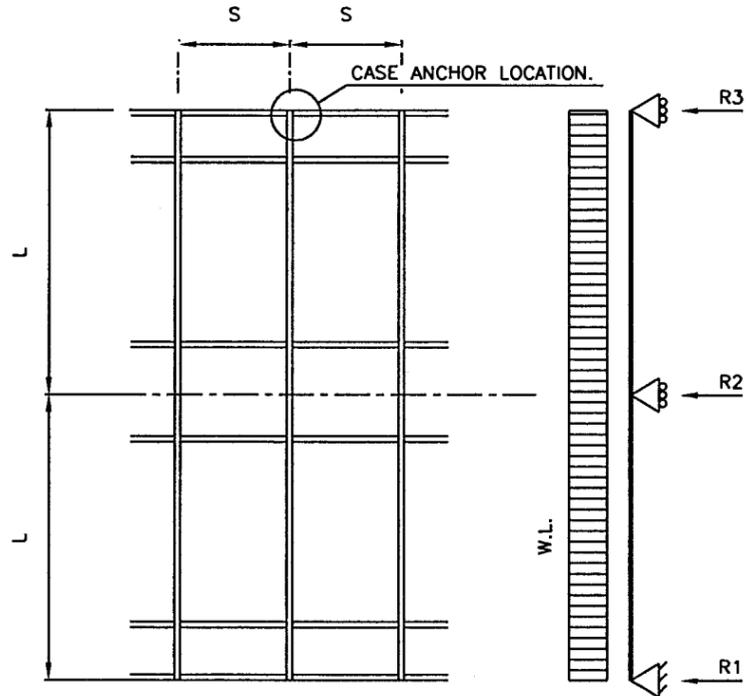
130 P.S.F. OR LESS



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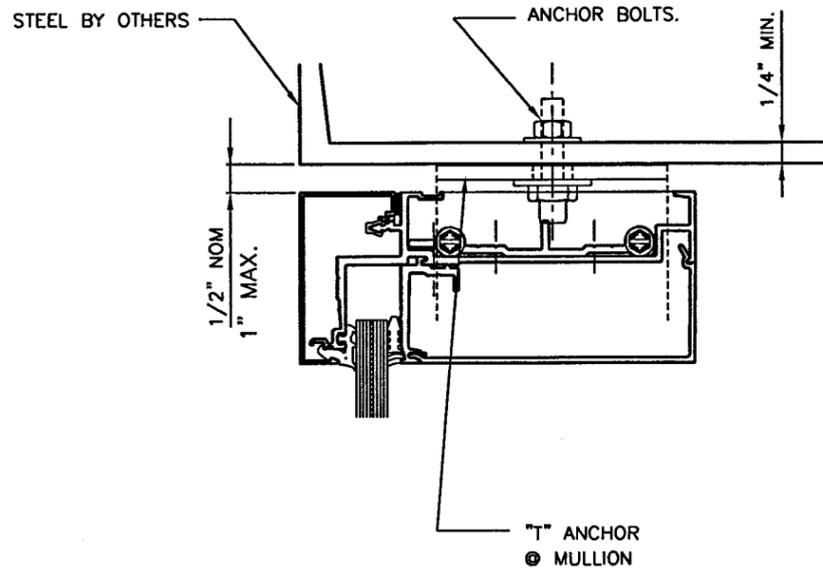
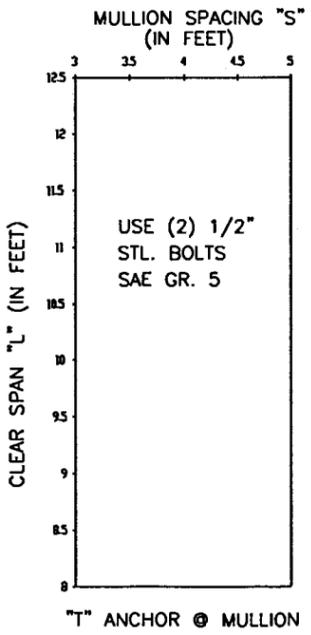
YHC 300 IG TWIN SPAN



END REACTION $R3=\frac{3 WL}{8}$

TWIN SPAN

130 P.S.F. OR LESS



STEEL

ANCHOR BOLT SELECTION GUIDE FOR "T" ANCHOR



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YHC America YHC AMERICA, INC.
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ATLANTA, GEORGIA 30336

SYSTEM	SCALE		
YHC 300 I.G. (130psf)	NONE		
DESCRIPTION			
ANCHOR BOLT SELECTION GUIDE			
DRAWING NUMBER	REV.		
YHC 300 I.G.-130S	A		
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