



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)

Grille Tech Inc.
5101 NW 36 Avenue
Miami, FL 33142

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: "WL F/C 60 x 80 M/WDA" Aluminum Louver System

APPROVAL DOCUMENT: Drawing No "GL-1", titled "WL F/C 60 x 80 M/W DA Large Missile Impact Resistant", sheets 1 through 8 of 8 prepared by Francisco Hernandez PE, dated 06/25/05 with no revisions, signed and sealed by F. Hernandez, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitation: This louver system is not a water resistant system.

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.

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.

This NOA consists of this page 1 and evidences page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font, P.E.**



Candido F. Font
 08/11/05

NOA No 04-1222.01
 Expiration Date: August 11, 2010
 Approval Date: August 11, 2005

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No "GL-1", titled "WL F/C 60 x 80 M/W DA", sheets 1 through 8 of 8 prepared by Francisco Hernandez PE, dated 06/25/05 with no revisions, signed and sealed by Francisco Hernandez PE.

B. TESTS

1. Test reports on Uniform Static Air Pressure Test per TAS 202, Large Missile Impact Test per TAS 201 and Cyclic Wind Pressure Test per TAS 203 of "Aluminum Louvers Mullled Together" prepared by Fenestration Testing Laboratory Inc report No. 4327, dated 10/20/04 signed and sealed by E. J. Largaespalda PE.
2. Test reports on Uniform Static Air Pressure Test per TAS 202, Large Missile Impact Test per TAS 201 and Cyclic Wind Pressure Test per TAS 203 of "Aluminum Louvers" prepared by Fenestration Testing Laboratory Inc report No. 4213, dated 07/16/04 signed and sealed by E. J. Largaespalda PE.
3. Test reports on Uniform Static Air Pressure Test per TAS 202, Large Missile Impact Test per TAS 201 and Cyclic Wind Pressure Test per TAS 203 of "Aluminum Louvers Mullled Together" prepared by Fenestration Testing Laboratory Inc report No. 4582, dated 03/23/05 signed and sealed by E. J. Largaespalda PE.

C. CALCULATIONS

1. Calculations of Anchor Jamb and mullion dated 07/30/05 prepared, signed and sealed by Francisco Hernandez PE.
2. Revised calculations dated 06/24/05 prepared signed and sealed by F. Hernandez PE

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

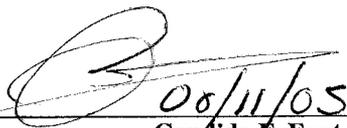
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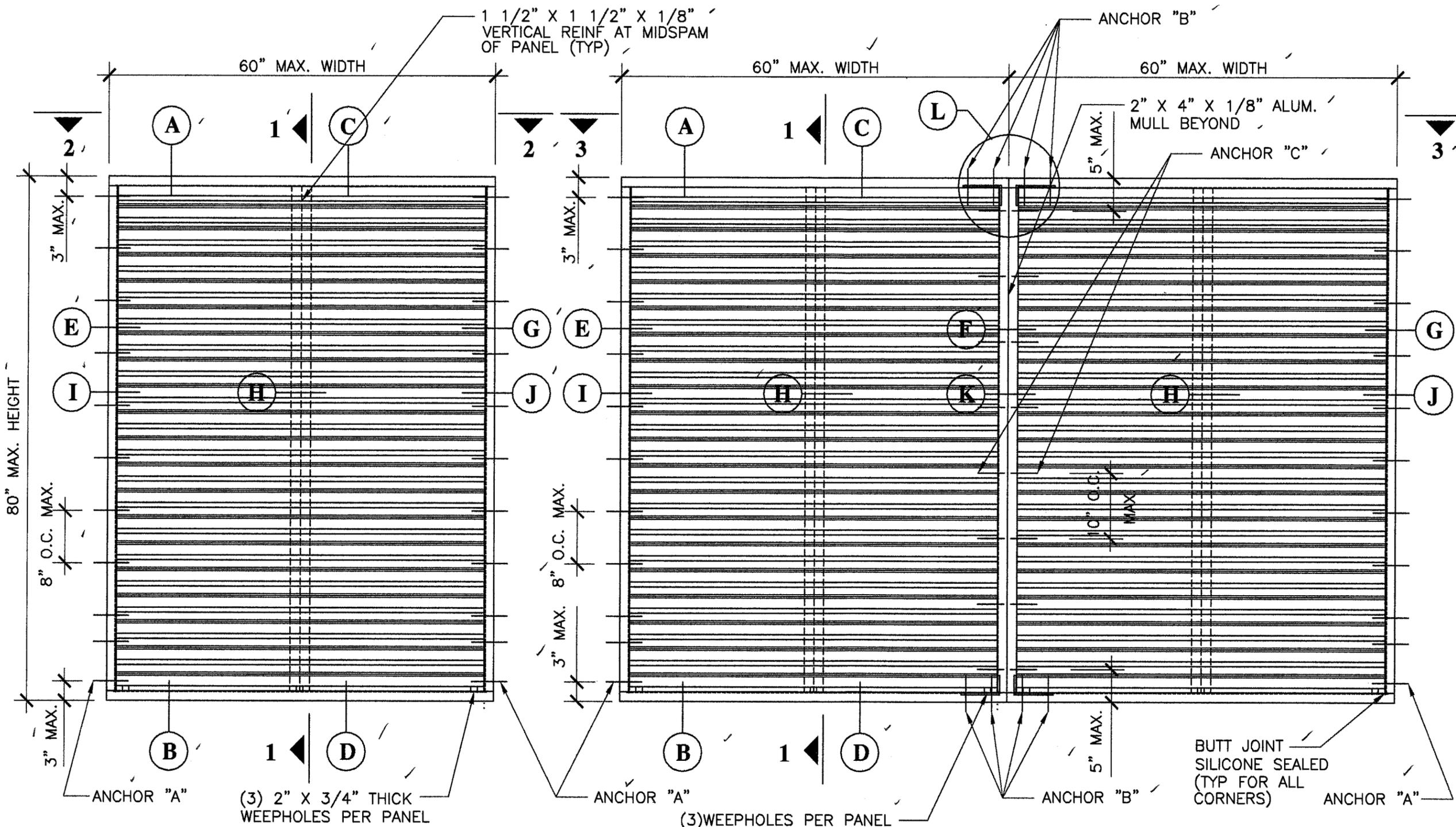
F. STATEMENTS

1. Letter of "No financial interest", dated 06/24/05, signed and sealed by F. Hernandez, PE.
2. Letter of code compliance dated 06/24/05, signed and sealed by F. Hernandez PE.

G. OTHER

1. None.


08/11/05
Candido F. Font, P.E.
Senior Product Control Examiner
NOA No 04-1222.01
Expiration Date: August 11, 2010
Approval Date: August 11, 2005



SINGLE UNIT APPLICATION

MULTIPLE UNIT APPLICATION

NOTE: THESE LOUVERS ARE TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.

**MAXIMUM DESIGN PRESSURE +/- 180.00 PSF
THIS SYSTEM IS RATED FOR LARGE MISSILE IMPACT**

LOUVER ELEVATIONS

Approved as complying with the Florida Building Code
Date: 05/11/05
NOA#: 04-122201
Miami Dade Product Control Division

NOTE: FOR ANCHOR INFO REFER TO ANCHOR TABLE SHEET 2 OF 8

[Signature]
6-25-05

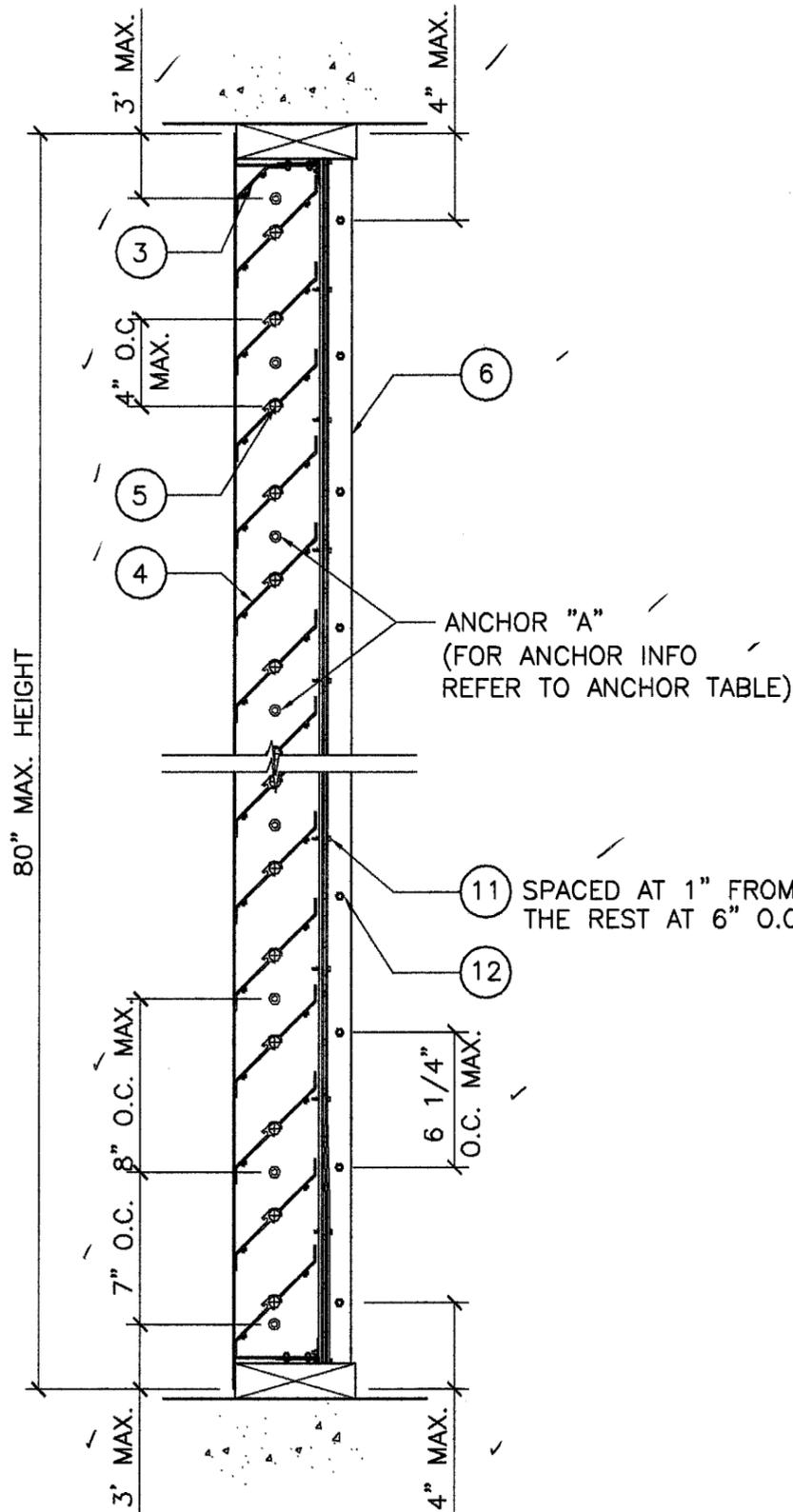
Grille tech inc.
5101 NW 36th AVENUE
MIAMI, FLORIDA 33142
PHONE: 305-537-0053
FAX: 305-537-0084

FRANCISCO HERNANDEZ P. E.
Structural Engineering
15113 SW 35 Ter.
Miami, Florida 33185
Phone (305) 227-6801

**WL F/C 60X80 M/W DA
LARGE MISSILE
IMPACT RESISTANT**

Drawn By: FH Jr.
Date: 6-25-05
Scale: NTS
Revision: _____
Revision: _____

DRAWING NO.
GL-1
SHEET
1 OF 8



SECTION 1-1

ANCHOR TABLE	
ANCHOR	/
ANCHOR "A"	1/4" TAPCONS IN CONCRETE 5/16-24 HILTI KWIK FLEX SELF-DRILLING SCREW IN METAL
ANCHOR "B"	5/16" TAPCONS IN CONCRETE 5/16-24 HILTI KWIK FLEX SELF-DRILLING SCREW IN METAL
ANCHOR "C"	5/16-24 HILTI KWIK FLEX SELF-DRILLING SCREW IN METAL

ANCHORS DESCRIPTION:

- 1/4" ELCO TAPCONS SHALL HAVE 1 1/2" MIN. EMBEDMENT INTO 3,000 PSI CONCRETE WITH A MINIMUM EDGE DISTANCE OF 2 1/2".
- 5/16" ELCO TAPCONS SHALL HAVE 1 3/4" MIN. EMBEDMENT INTO 3,000 PSI CONCRETE WITH A MINIMUM EDGE DISTANCE OF 3".
- FOR CONNECTION TO METAL STRUCTURE USE 5/16-24 X 2" HILTI KWIK-FLEX SELF-DRILLING SCREW. STEEL MATERIAL SHALL CONFORM TO ASTM A500, A653 OR A36 WITH 12 Ga MINIMUM WALL THICKNESS.

Approved as complying with the Florida Building Code
 Date: 06/14/05
 NOA#: 04-1022.01
 Miami Dade Product Control Division
 By: [Signature]

[Signature]
 6-25-05

Grille tech inc.
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 MIAMI, FLORIDA 33142
 PHONE: 305-537-0053
 FAX: 305-537-0064

FRANCISCO HERNANDEZ P. E.
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 15113 SW 35 Terr.
 Miami, Florida 33185
 Phone (305) 227-6901

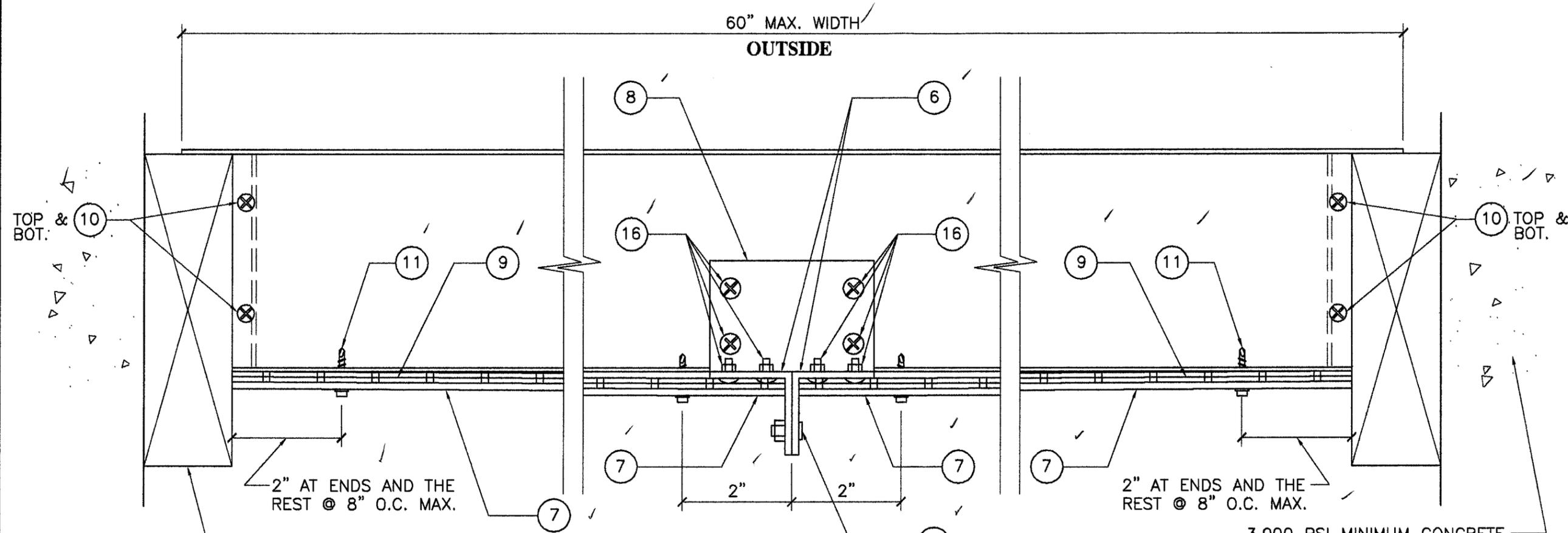
FH

**LOUVER MODEL:
 WL F/C 60X80 M/W DA
 LARGE MISSILE
 IMPACT RESISTANT**

Drawn By: FH Jr.
 Date: 6-25-05
 Scale: NTS
 Revision: _____
 Revision: _____

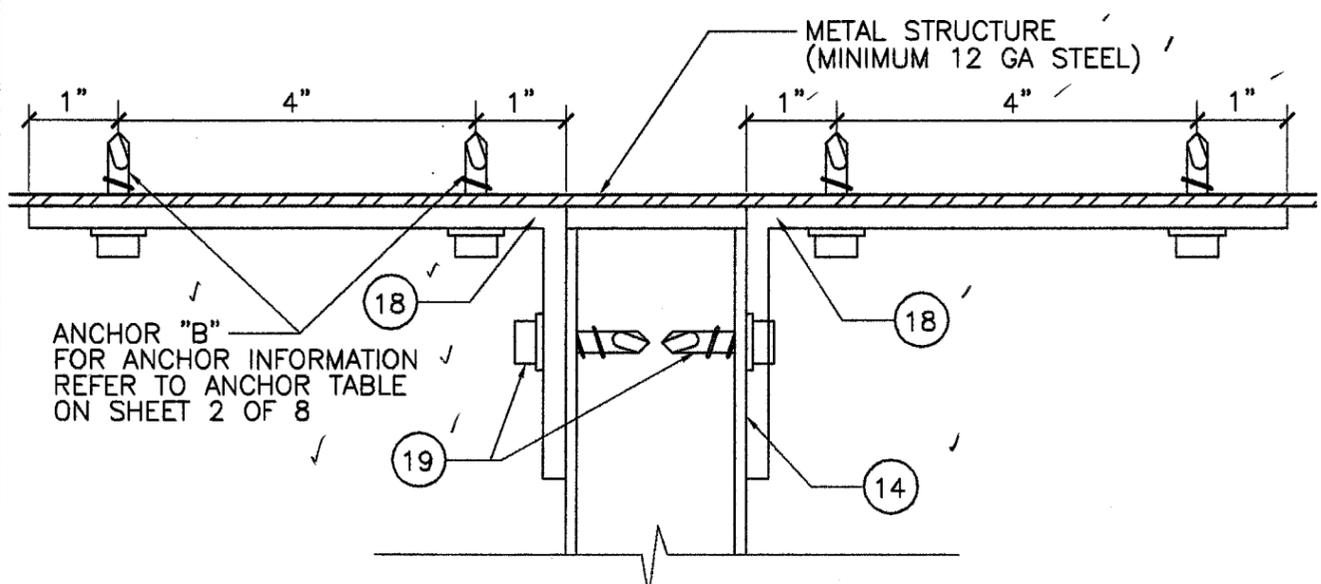
DRAWING NO.
 GL-1

SHEET
 2 OF 8

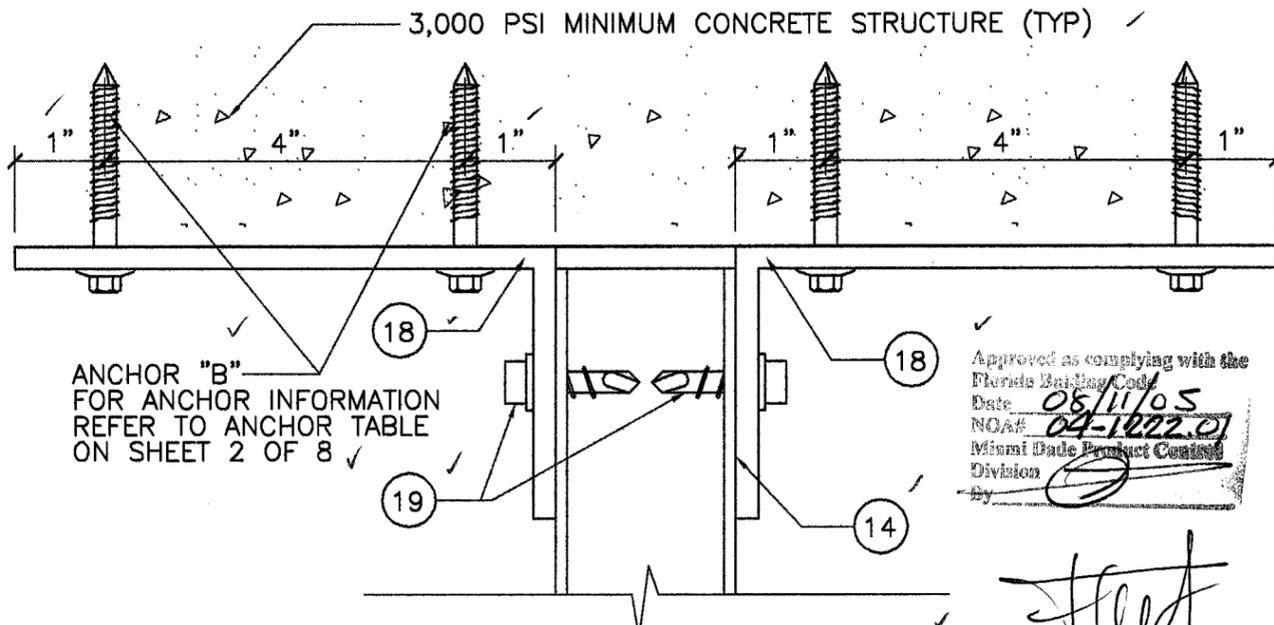


2BY PT WD. BUCK BY OTHERS MUST BE PROPERLY ANCHORED TO TRANSFER LOAD TO THE STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL (TYP)

SECTION 2-2



CONNECTION TO METAL



CONNECTION TO CONCRETE

DETAIL L

NOTE: LOUVERS NOT SWOWN FOR CLARITY

Approved as complying with the Florida Building Code
 Date: 05/11/05
 NOAH: 04-1022-01
 Miami Dade Product Control Division

[Signature]
 6-25-05

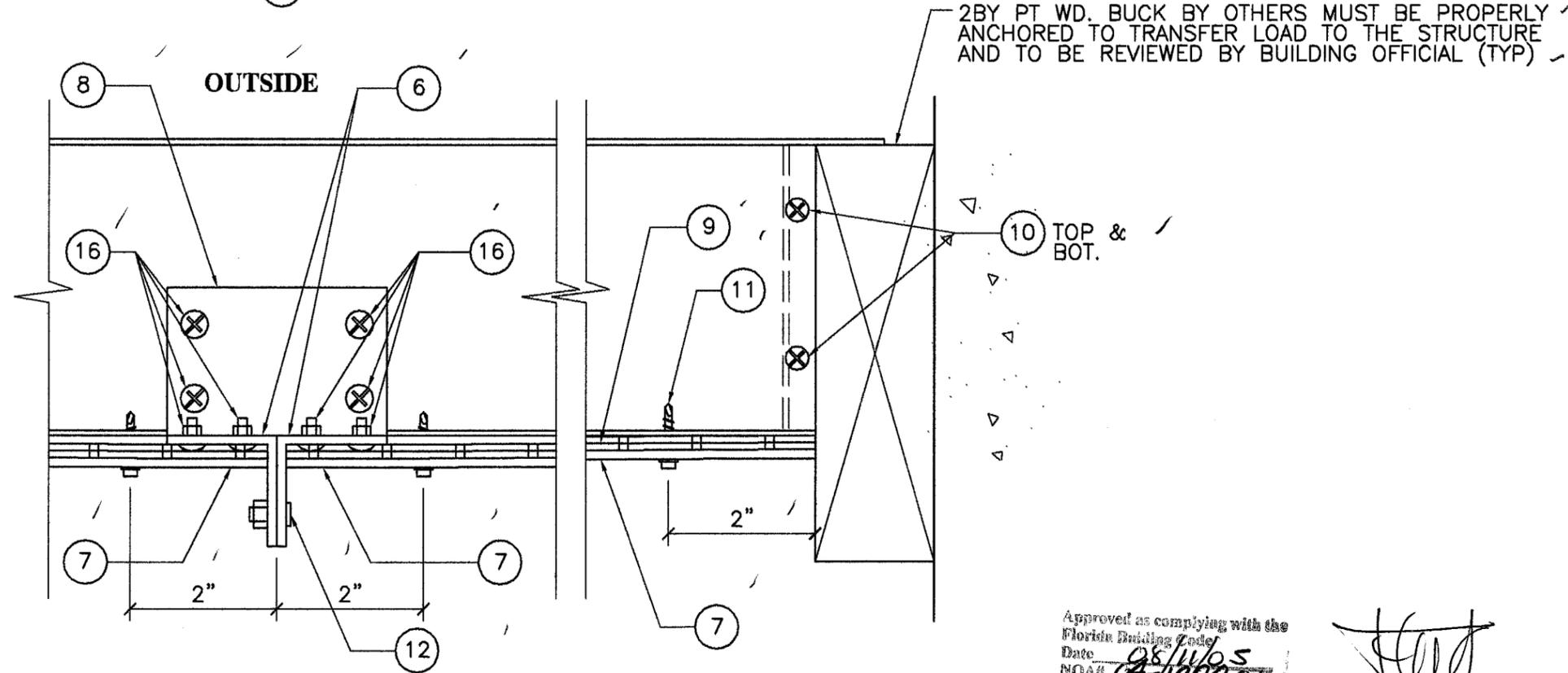
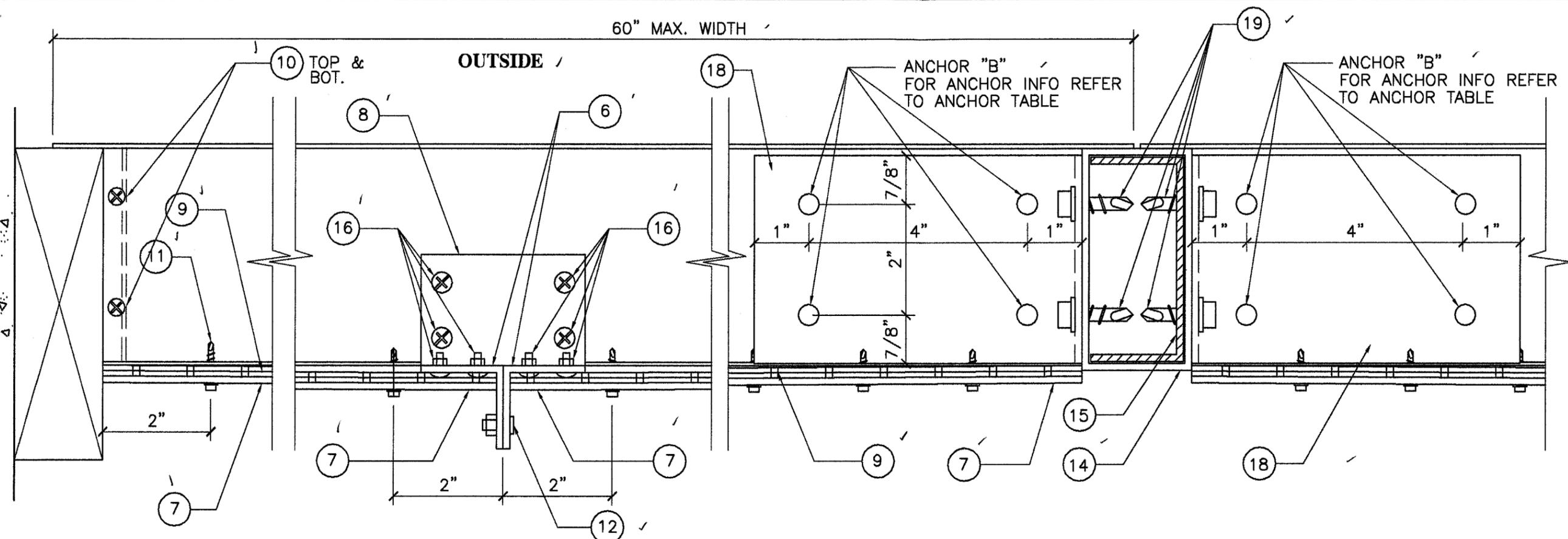
Grille tech inc.
 5101 NW 36th AVENUE
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 PHONE: 305-537-0053
 FAX: 305-537-0064

FRANCISCO HERNANDEZ P. E.
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 Miami, Florida 33185
 Phone (305) 227-6901

**LOUVER MODEL:
 WL F/C 60X80 M/W DA
 LARGE MISSILE
 IMPACT RESISTANT**

Drawn By: FH Jr.
 Date: 6-25-05
 Scale: NTS
 Revision: _____
 Revision: _____

DRAWING NO.
 GL-1
 SHEET
 3 OF 8



SECTION 3-3

Approved as complying with the
 Florida Building Code
 Date 05/11/05
 NOA# 04-120201
 Miami Dade Product Control
 Division [Signature]

[Signature]
 6-25-05

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 5101 NW 36th AVENUE
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 FAX: 305-537-0064

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 Miami, Florida 33185
 Phone (305) 227-6901

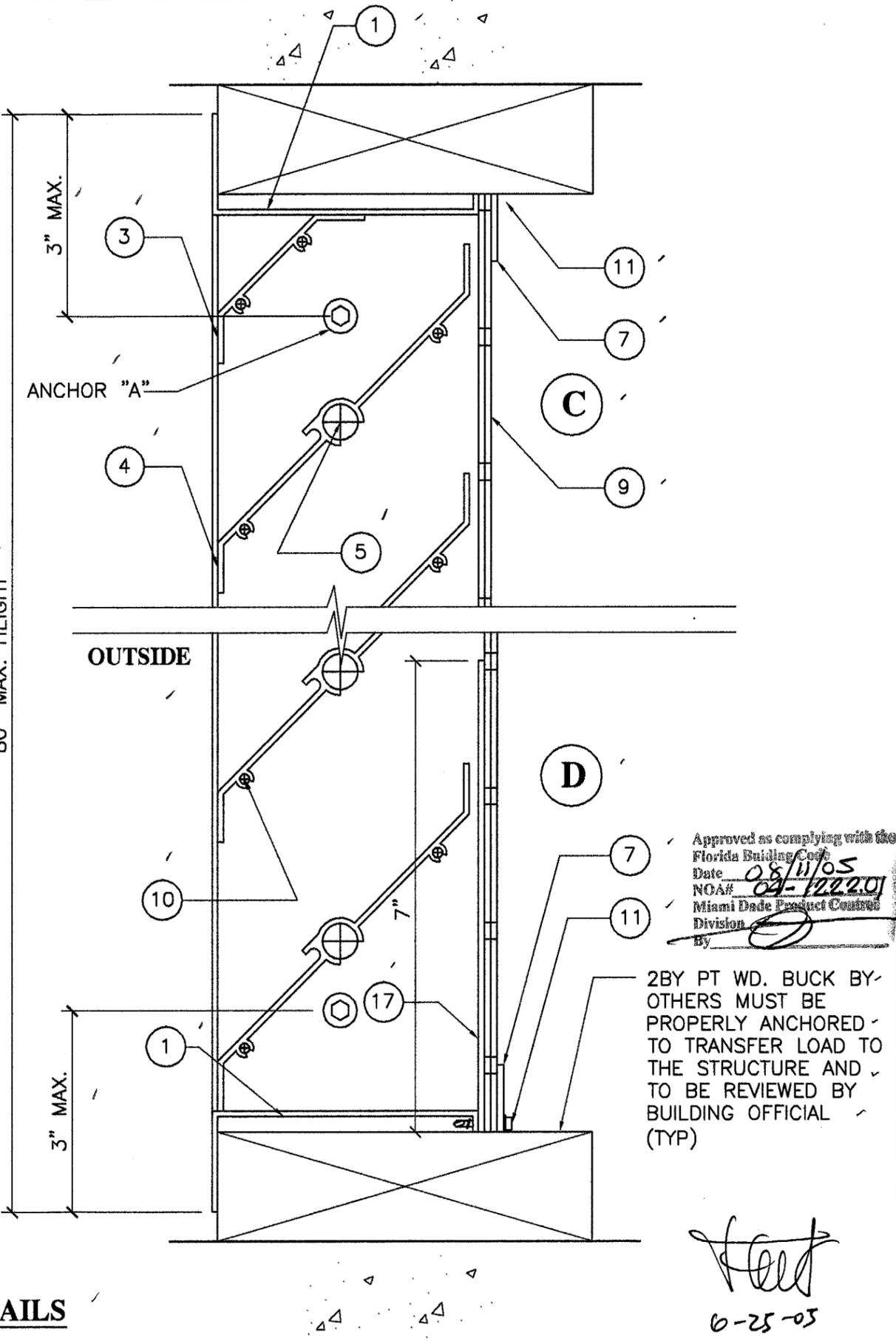
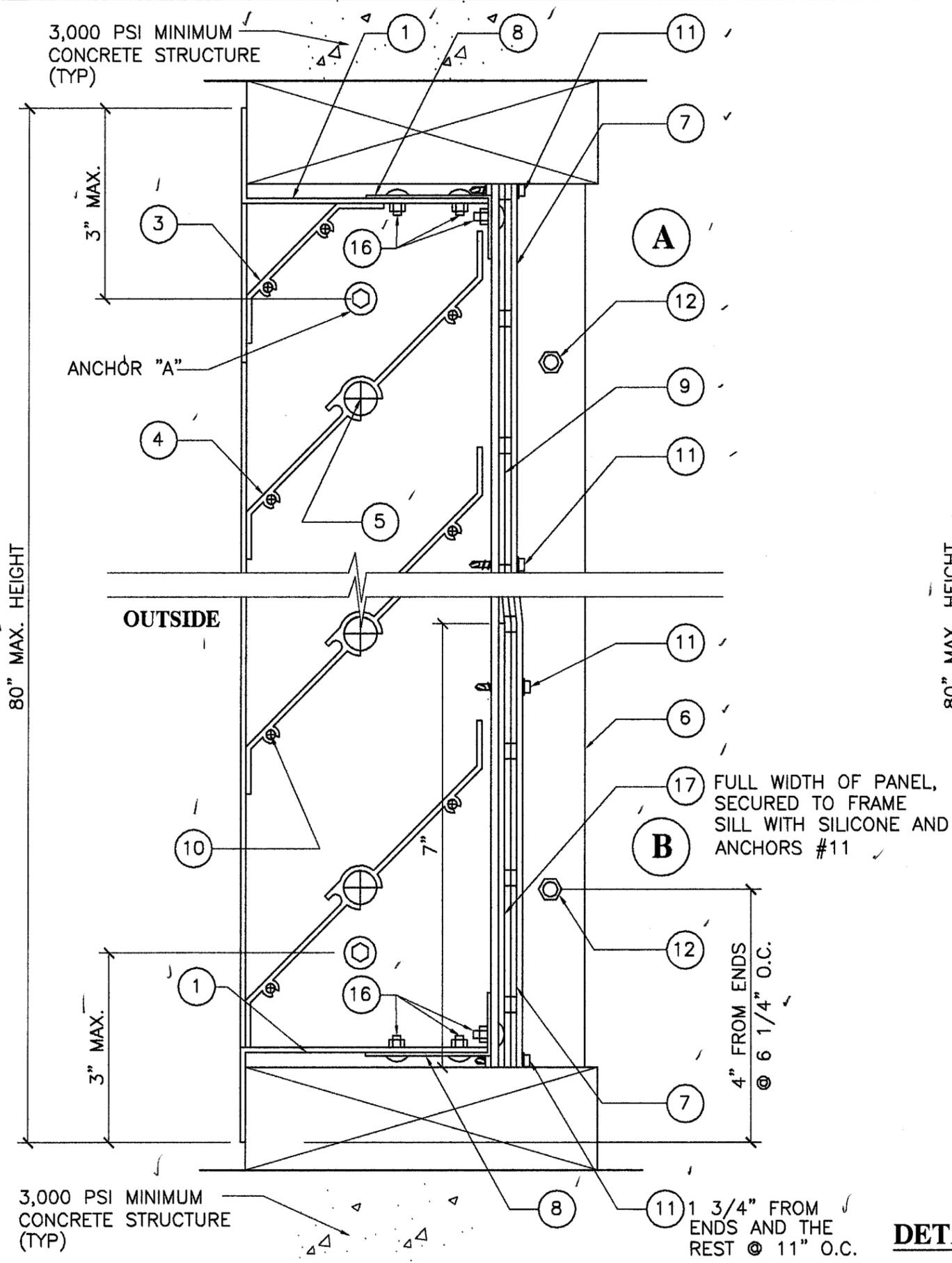
FH

**LOUVER MODEL:
 WL F/C 60X80 M/W DA
 LARGE MISSILE
 IMPACT RESISTANT**

Drawn By: FH Jr.
 Date: 6-25-05
 Scale: NTS
 Revision: _____
 Revision: _____

DRAWING NO.
GL-1

SHEET
4 OF 8



DETAILS

Approved as complying with the
 Florida Building Code
 Date: 08/11/05
 NCA# 04-122201
 Miami Dade Product Control
 Division
 By: [Signature]

2BY PT WD. BUCK BY-
 OTHERS MUST BE
 PROPERLY ANCHORED
 TO TRANSFER LOAD TO
 THE STRUCTURE AND
 TO BE REVIEWED BY
 BUILDING OFFICIAL
 (TYP)

[Signature]
 6-25-05

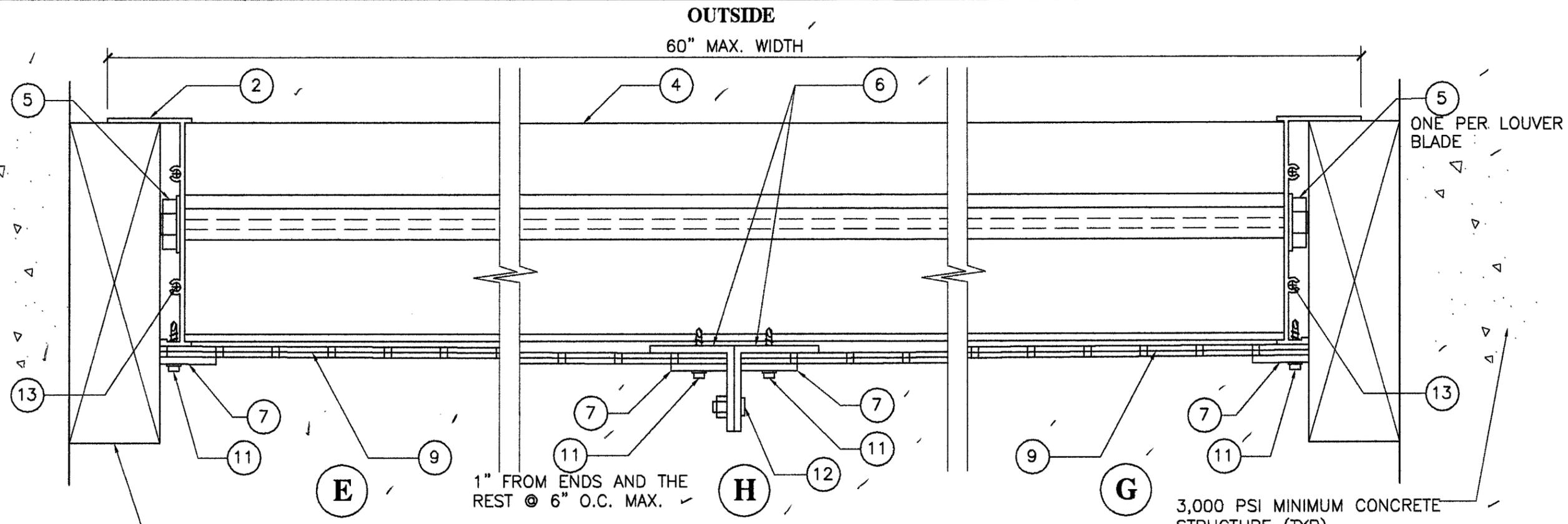
Grille tech inc.
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 PHONE: 305-537-0053
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 WL F/C 60X80 M/W DA
 LARGE MISSILE
 IMPACT RESISTANT**

Drawn By: FH Jr.
 Date: 6-25-05
 Scale: NTS
 Revision:
 Revision:

DRAWING NO.
 GL-1
 SHEET
 5 OF 8

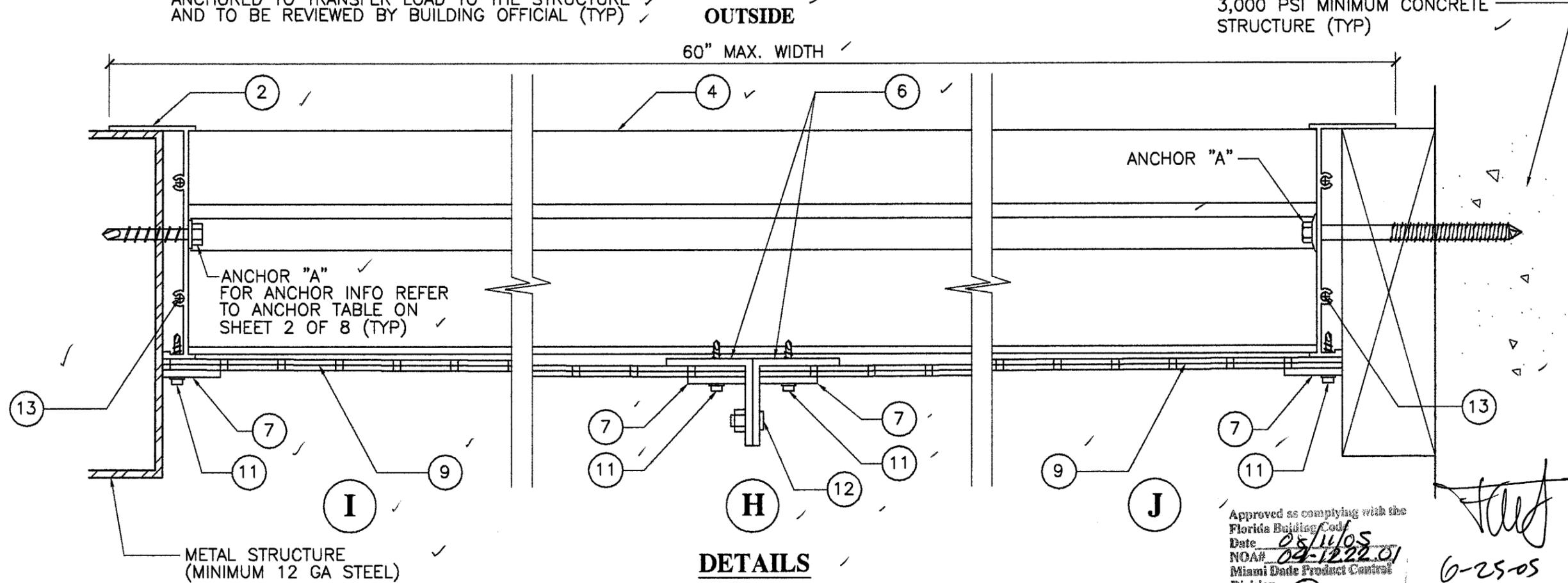


2BY PT WD. BUCK BY OTHERS MUST BE PROPERLY ANCHORED TO TRANSFER LOAD TO THE STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL (TYP)

1" FROM ENDS AND THE REST @ 6" O.C. MAX.

3,000 PSI MINIMUM CONCRETE STRUCTURE (TYP)

3,000 PSI MINIMUM CONCRETE STRUCTURE (TYP)



ANCHOR "A" FOR ANCHOR INFO REFER TO ANCHOR TABLE ON SHEET 2 OF 8 (TYP)

METAL STRUCTURE (MINIMUM 12 GA STEEL)

ANCHOR "A"

Approved as complying with the Florida Building Code
 Date: 05/11/05
 NOA#: 02-1222-01
 Miami Dade Product Control Division
 By: [Signature]

[Signature]
 6-25-05

DETAILS

Grille tech inc.
 5101 NW 36th AVENUE
 MIAMI, FLORIDA 33142
 PHONE: 305-537-0053
 FAX: 305-537-0064

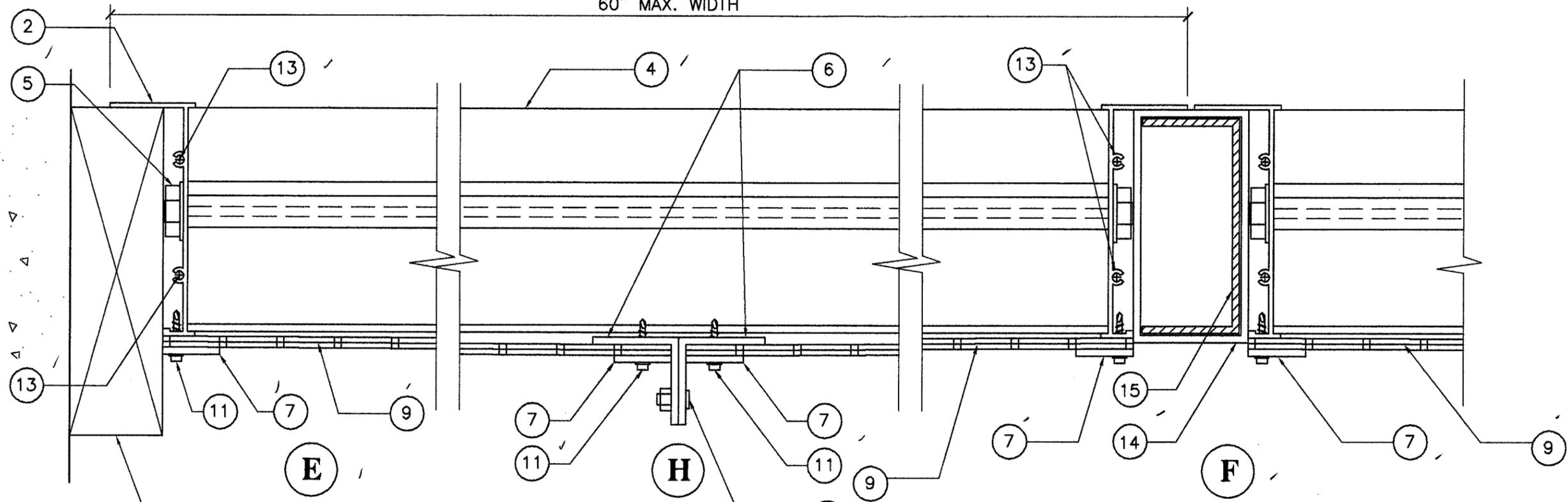
FRANCISCO HERNANDEZ P. E.
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LOUVER MODEL:
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LARGE MISSILE
IMPACT RESISTANT

Drawn By: FH Jr.
 Date: 6-25-05
 Scale: NTS
 Revision: _____
 Revision: _____

DRAWING NO.
 GL-1
 SHEET
 6 OF 8

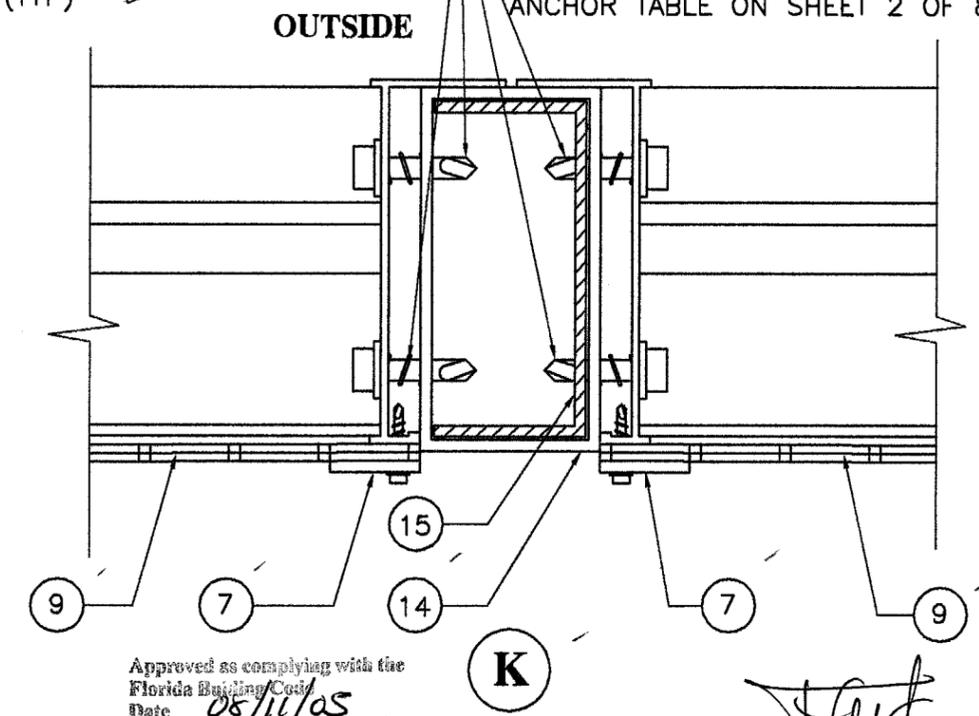
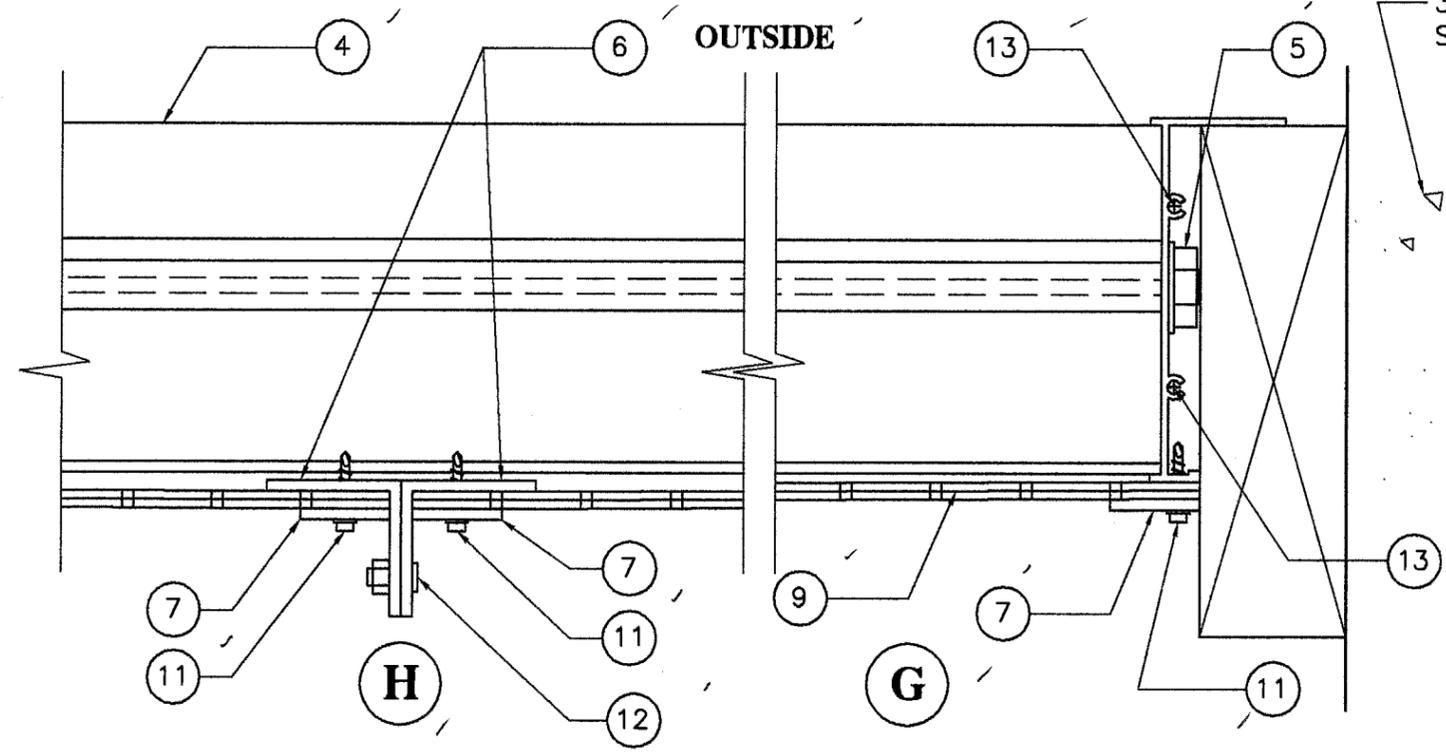
OUTSIDE
60" MAX. WIDTH



2BY PT WD. BUCK BY OTHERS MUST BE PROPERLY ANCHORED TO TRANSFER LOAD TO THE STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL (TYP)

3,000 PSI MINIMUM CONCRETE STRUCTURE (TYP)

ANCHOR "C" @ 5" FROM ENDS AND THE REST @ 10" O.C. MAX STAGGERED FOR ANCHOR INFO REFER TO ANCHOR TABLE ON SHEET 2 OF 8



DETAILS

Approved as complying with the Florida Building Code
Date 05/11/05
NOAH 05/12/01
Miami Dade Product Control
Division
By

FH Jr.
6-25-05

Grille tech inc.
5101 NW 36th AVENUE
MIAMI, FLORIDA 33142
PHONE: 305-537-0055
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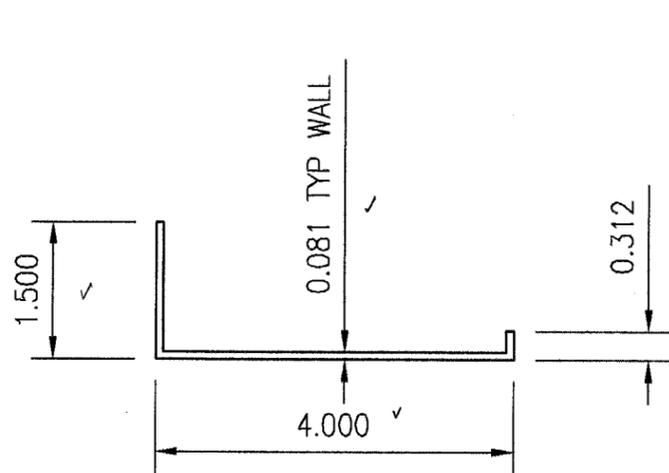
FRANCISCO HERNANDEZ P. E.
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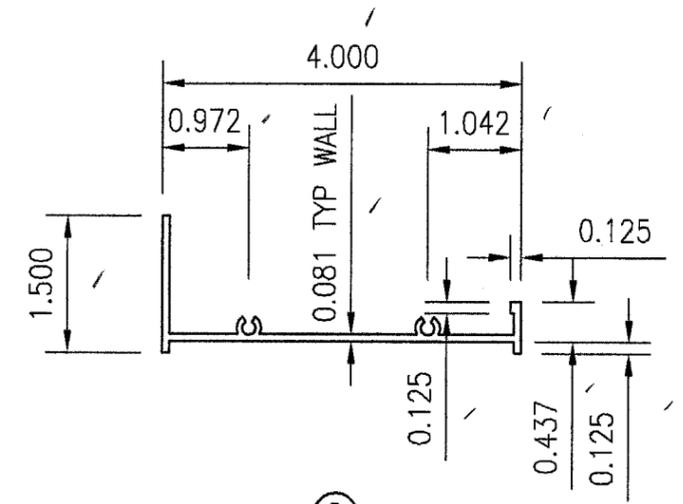
Drawn By: FH Jr.
Date: 6-25-05
Scale: NTS
Revision: _____
Revision: _____

DRAWING NO.
GL-1

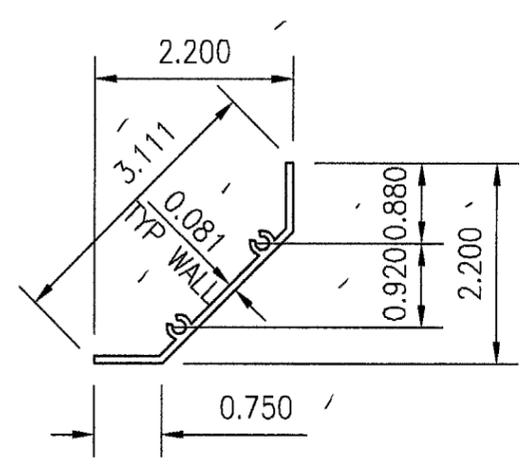
SHEET
7 OF 8



①
FRAME HEAD AND SILL



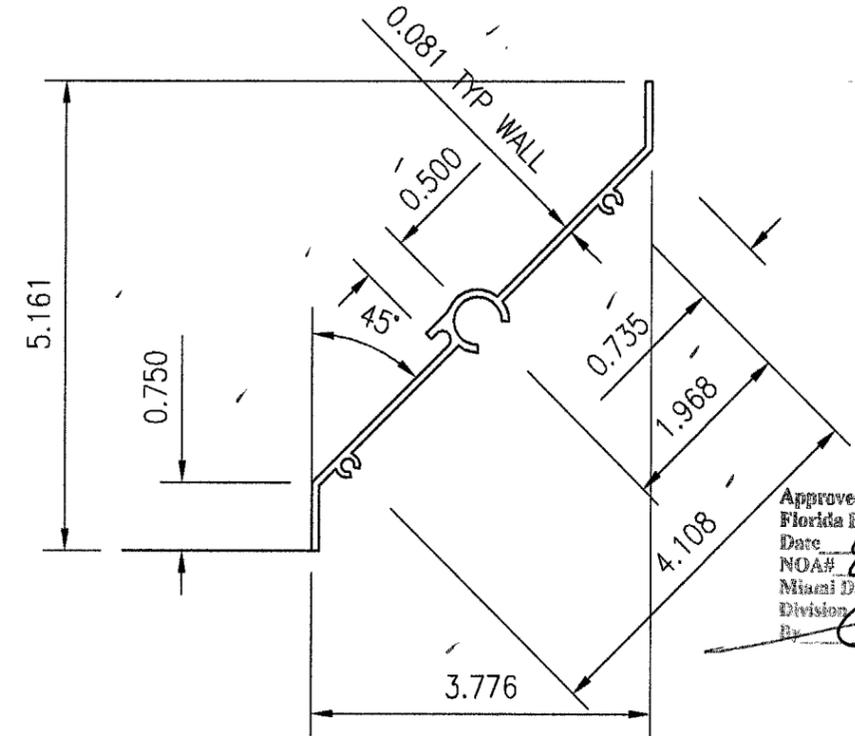
②
FRAME JAMB



③
TOP BLADE

MATERIAL LIST

ITEM #	PART	DESCRIPTION	MATERIAL
1		FRAME HEAD AND SILL	6063-T5
2		FRAME JAMB	6063-T5
3		TOP BLADE	6063-T5
4		BLADE	6063-T5
5		1/2"-14 ALL THREADED ZINC COATED ROD WITH WASHER AND NUT AT BOTH ENDS	AISI 1038
6		L 1-1/2" X 1-1/2" X 1/8" (VERTICAL REINFORCING)	6063-T5
7		1" X 1/8" BAR (SCREEN FRAME)	6063-T5
8		L 2" X 3" X 1/8" X 5" LONG	6063-T5
9		7/8" X 1 1/2" DIAMOND SHAPE SCREEN ON REAR	ALUMINUM
10		# 10 P.P.H. X 1" SHEET METAL SCREW	
11		# 8 H.W.H. X 3/4" SHEET METAL SCREW	
12		1/4"-20 X 3/4" S.S. BOLT WITH NUT	
13		# 10 P.P.H. X 1" SHEET METAL SCREW	
14		2" X 4" X 1/8" ALUMINUM MULL	6063-T6
15		3-5/8" X 1-5/8" 3/16" STEEL CHANNEL	ASTM A36
16		1/4"-20 X 3/4" S.S. BOLT W/WASHER AND NUT	
17		7" WIDE X 1/8" THICK BOTTOM PLATE, FULL WIDTH OF PANEL	6063-T5
18		L3" X 6" X 1/4" X 3 11/16" LONG	6063-T5
19		5/16"-24 HILTI KWIK FLEX SELF-DRILLING SCREW	



④
BLADE

Approved as complying with the
Florida Building Code
Date: 08/11/05
NOA# 04-12220-1
Miami Dept. Product Control
By: [Signature]

[Signature]
6-25-05

Grille tech inc.
5101 NW 36th AVENUE
MIAMI, FLORIDA 33142
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**LOUVER MODEL:
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LARGE MISSILE
IMPACT RESISTANT**

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Date: 6-25-05
Scale: NTS
Revision: _____
Revision: _____

DRAWING NO.
GL-1

SHEET
8 OF 8