



**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**

NOTICE OF ACCEPTANCE (NOA)

**Southeastern Metals Manufacturing Co., Inc.
11801 Industry Drive
Jacksonville, Florida 32218**

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: 0.0356" (min.) Galvanized Steel Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 96-20GA01, titled " Southeastern Metals Manufacturing Co., Inc. 20 Gauge Galvanized Storm Panel System ", sheets 1 and 2 of 2, prepared by Southeastern Metals Manufacturing Co., Inc., dated October 17, 1997, last revision #2 dated October 10, 2002 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: Large and Small Missile Impact

LABELING: Each panel 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.

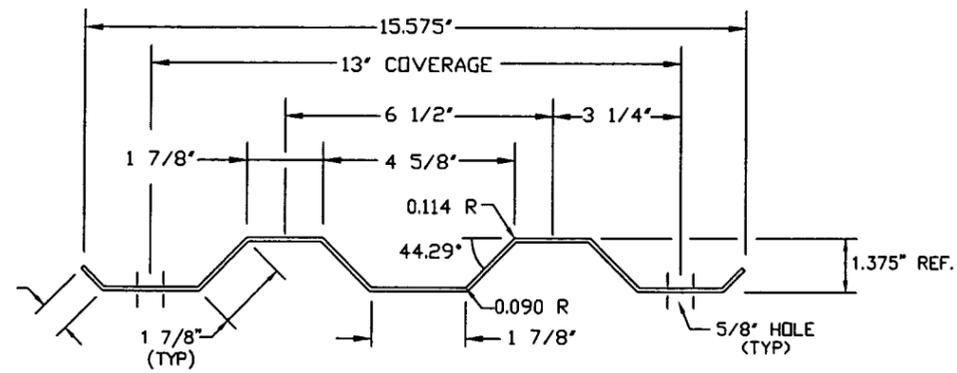
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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.

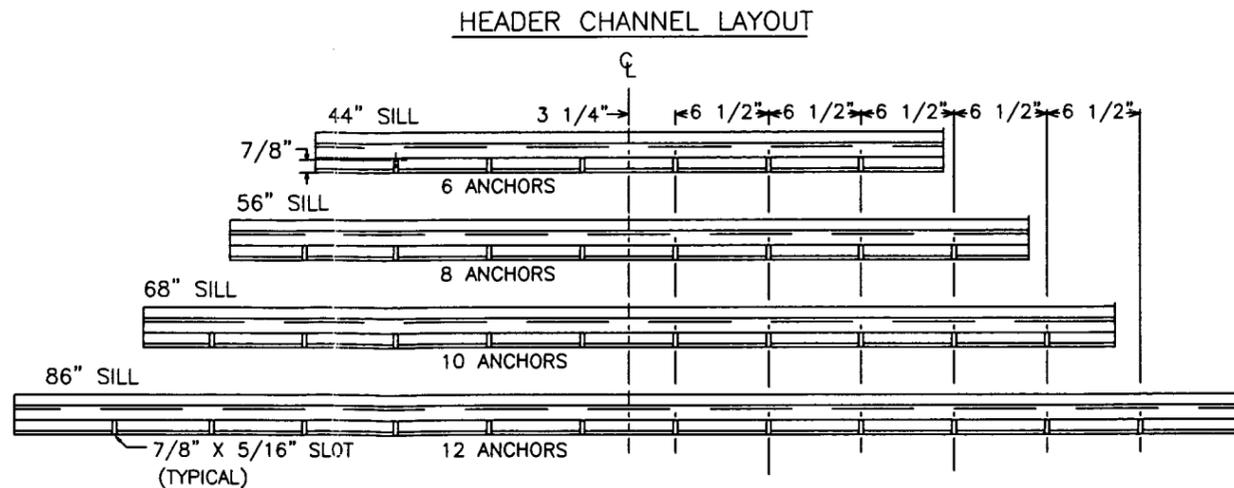
This NOA **revises & renews** NOA # **99-0318.03** & consists of this page 1 & approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



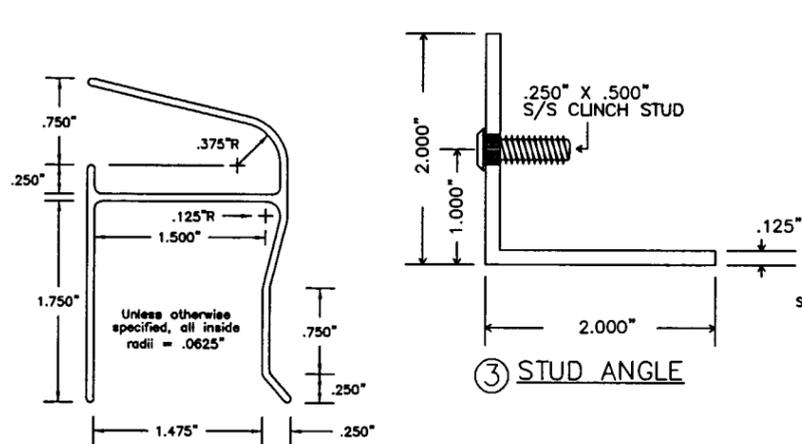
**NOA No 02-0809.02
Expiration Date: 10/10/2007
Approval Date: 11/21/2002**



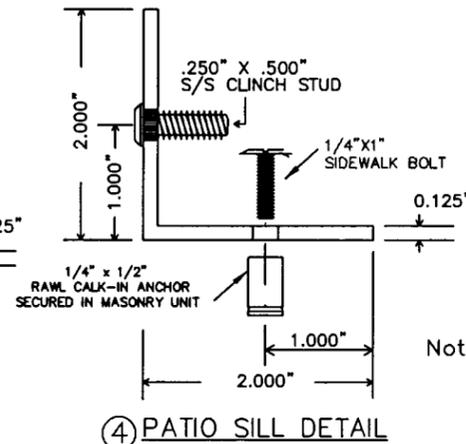
① TYPICAL 20 GA GALVANIZED PANEL



HEADER CHANNEL LAYOUT



③ STUD ANGLE



④ PATIO SILL DETAIL

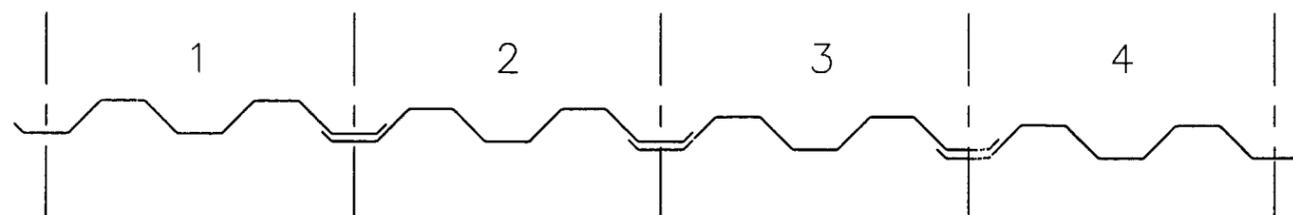
Note: Reinforced panels with stitch bolt and spring nut at mid-span secure at each lap joint with washered wing nut.

② ALUMINUM HEADER CHANNEL DETAIL

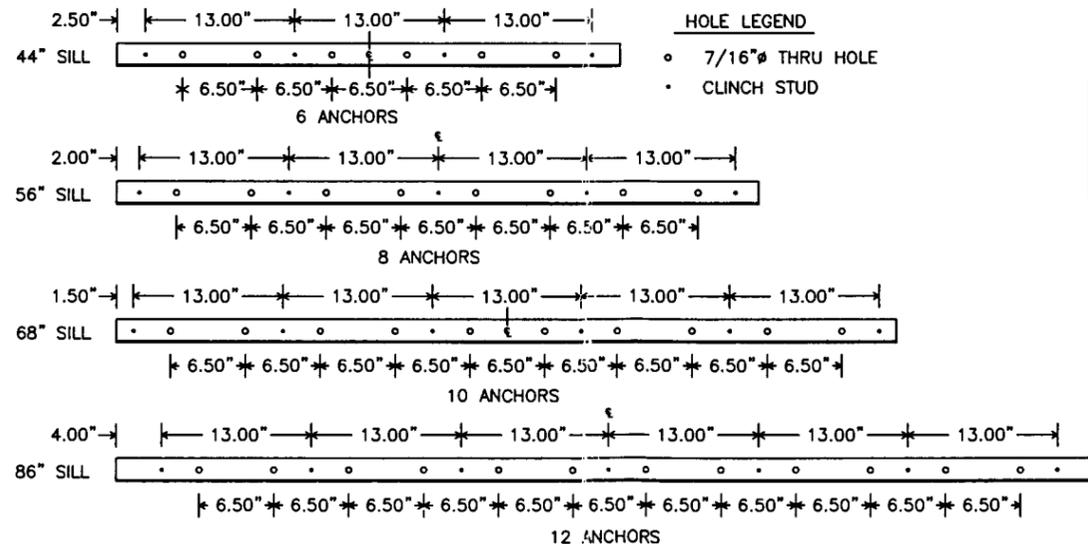
GENERAL NOTES

- THIS SHUTTER IS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2001 EDITION.
- POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH ASCE 7-98 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES".
- STORM PANELS SHALL BE AISI 20 GAUGE GALVANIZED (0.0356") CONFORMING TO ASTM A653 STRUCTURAL GRADE 37 WITH A MIN. $F_y = 37$ KSI. ALUMINUM EXTRUSIONS SHALL BE 6063-T6, U.D.N.
- PRODUCT MARKINGS SHALL BE WITHIN 12" OF ONE END OF THE PANEL WITH MIN. OF ONE MARKING PER PANEL AND SHALL BE LABELED AS FOLLOWS:
SOUTHEASTERN METALS MANUFACTURING CO., INC.
JACKSONVILLE, FLORIDA
MIAMI DADE COUNTY- PRODUCT CONTROL APPROVED
- TO MEET METRO-DADE HURRICANE CODE, REINFORCED PANELS WITH STITCH BOLTS AND SPRING NUTS AT MID-SPAN SECURED AT EVERY LAP JOINT.
- ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM $F_y = 33$ KSI.
- MATERIAL SPECIFICATIONS NOTED HEREIN ARE THE MANUFACTURER'S REPRESENTATION OF MATERIALS TO BE USED IN PRODUCT TESTING.
- TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS INDICATE. PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE.
- THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR IMPACT, CYCLIC AND UNIFORM STATIC AIR PRESSURE TESTING IN ACCORDANCE WITH DADE COUNTY PROTOCOLS PA 201, 202, AND 203. DESIGN IS BASED ON CTC TEST REPORT NO.
- MAXIMUM ALLOWABLE DESIGN LOAD:

POSITIVE = +55
NEGATIVE = -71.5

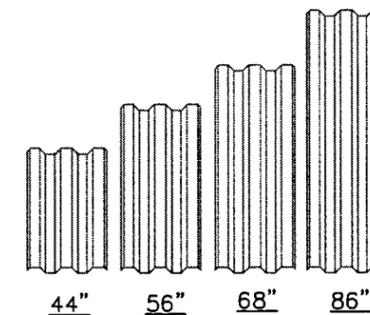


STUD ANGLE SILL LAYOUT



HOLE LEGEND

- 7/16" THRU HOLE
- CLINCH STUD



PRODUCT REVISED as complying with the Florida Building Code Acceptance No 02-0809.02 Expiration Date 10/10/2007
By *Helmut A. Helmer*
Miami Dade Product Control Division

Southeastern Metals Manufacturing Co., Inc.
11801 Industry Drive - Jacksonville, Florida

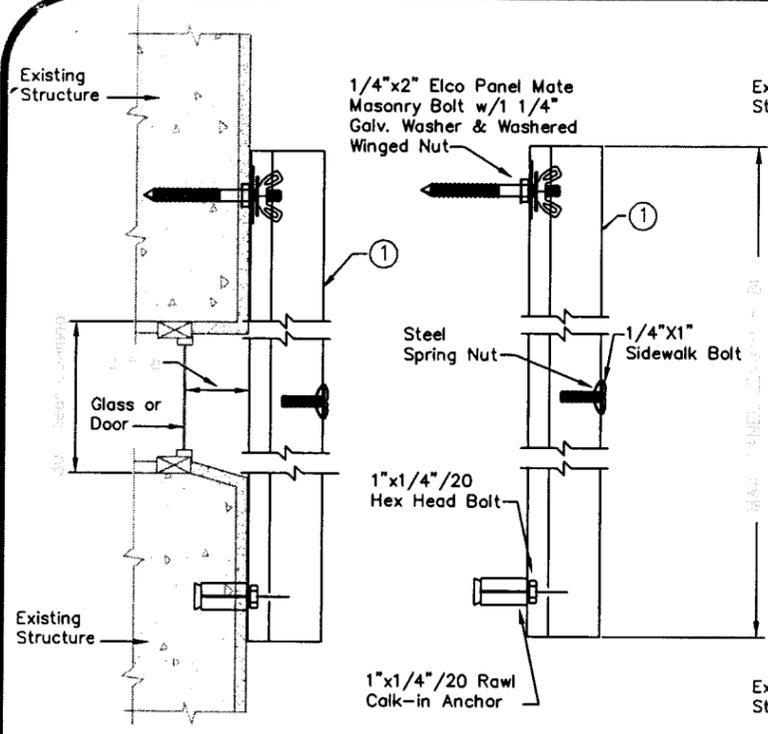


Charles T. Brackett
10/24/02

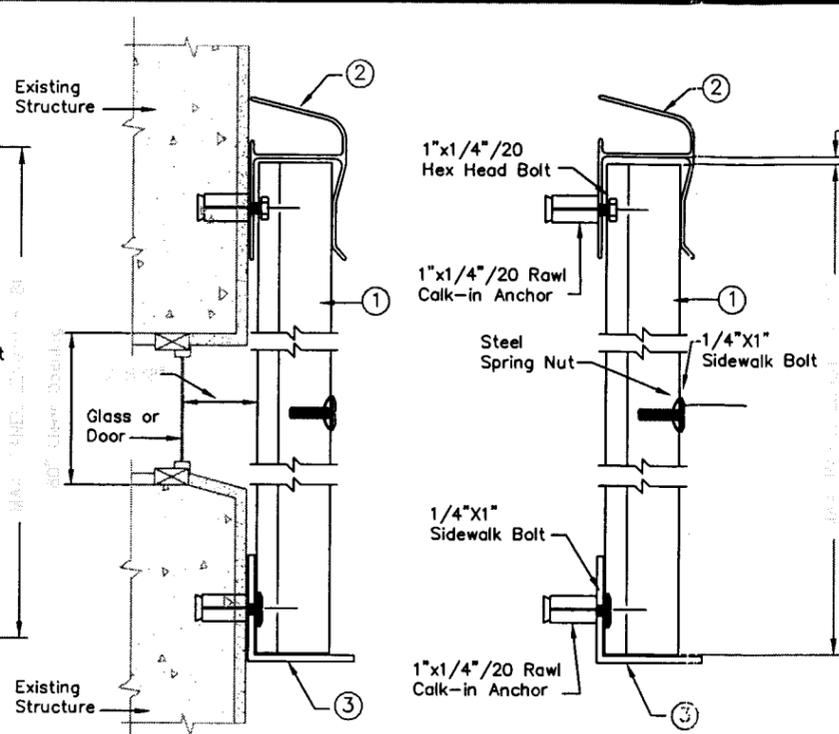
Changed note # 1 Florida Building Code approved	10/10/02
Changed Temp-in Anchor to a Rawl Calk-in Anchor	10/7/97
Note (3) added grade 37 to ASTM A653 & added Drawing Number	9/8/96
Revised Issue	Date

SOUTHEASTERN METALS MFG. CO., INC.
20 GAUGE GALVANIZED STORM PANEL SYSTEM

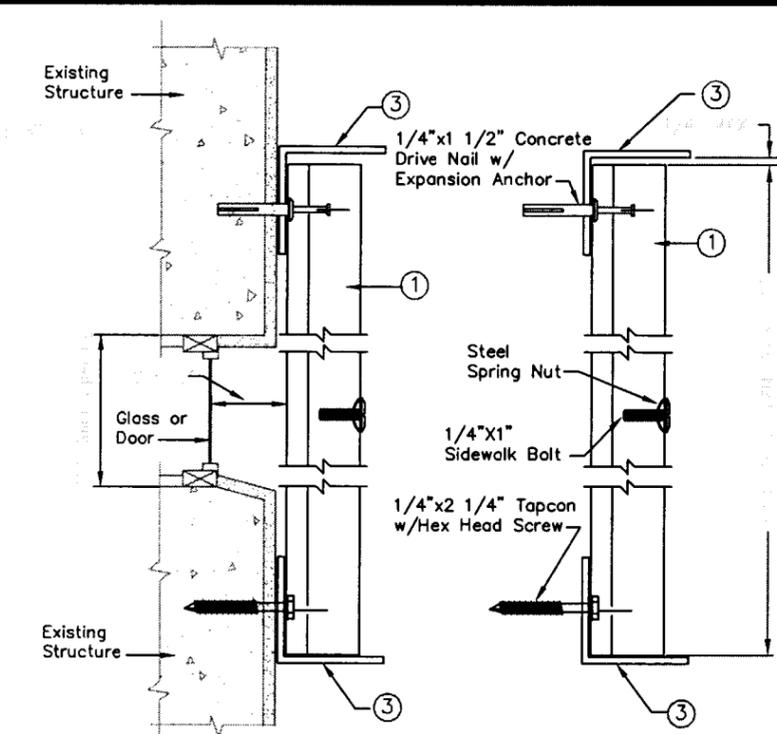
Drawn: JAH	Rev:
Date: OCTOBER 11, 1997	
By: Not to Scale	1 OF 2
Project: 46-2002-01	



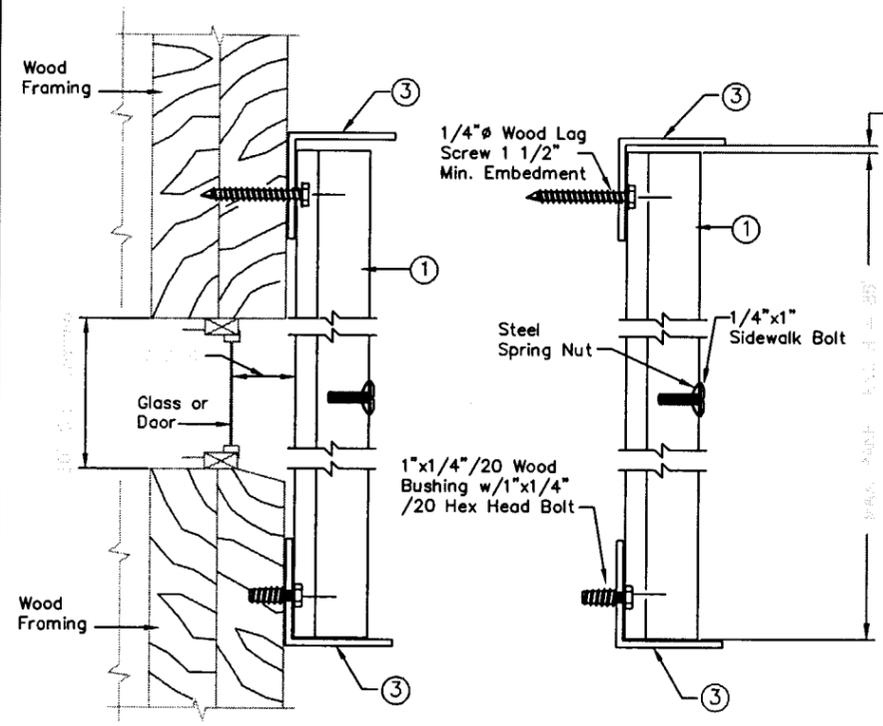
(A) WALL MOUNT SECTION (DIRECT MOUNT SYSTEM)
N.T.S



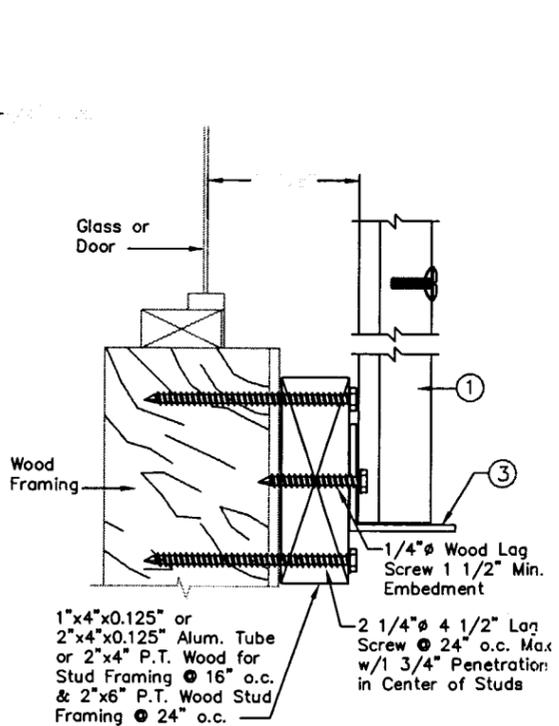
(B) HEADER / STUDDED ANGLE MOUNT SYSTEM
N.T.S



(C) STUDDED ANGLE / TOP & BOTTOM MOUNT SYSTEM
N.T.S



(D) STUDDED ANGLE / TOP & BOTTOM MOUNT SYSTEM (WOOD FRAME)
N.T.S



(E) WALL MOUNT SECTION (BOTTOM)
N.T.S

ANCHOR SCHEDULE (MIN. 2" EDGE DISTANCE)

EXISTING STRUCTURE	ANCHOR TYPE	FASTENER SPACING (IN)
*	1"X1/4"/20 WOOD BUSHING 1/4"X1"/20 HEX HEAD BOLT SS	6.5
	1/4" # WOOD LAG WITH 1 1/2" MIN. EMBEDMENT	6.5
WOOD	1/4"X2" ELCO PANEL MATE MASONRY BOLT WITH 1 1/4" GALV. WASHER & WASHERED WINGED NUT	13
*	1"X1/4"/20 WOOD BUSHING 1/4"X1"/20 SIDEWALK BOLT	6.5

ANCHOR SCHEDULE (MIN. 2" EDGE DISTANCE)

EXISTING STRUCTURE	ANCHOR TYPE	FASTENER SPACING (IN)
	1/4" # RAWL CALK-IN ANCHOR & 1/4"X1" SIDEWALK BOLT (3/4" # HEAD)	13
*	1/4"X2" CONCRETE DRIVE NAIL WITH EXPANSION ANCHOR	6.5
	1/4"X2 1/4" TAP CON WITH HEX HEAD SCREW WITH 1 1/2" MIN. EMBEDMENT	6.5
CONCRETE	1/4"X2" ELCO PANEL MATE MASONRY BOLT WITH 1 1/4" GALV. WASHER & WASHERED WINGED NUT	13
	1/4" # RAWL CALK-IN ANCHOR & 1/4"X1" SIDEWALK BOLT (3/4" # HEAD)	13

ANCHOR SCHEDULE (MIN. 2" EDGE DISTANCE)

EXISTING STRUCTURE	ANCHOR TYPE	FASTENER SPACING (IN)
	1/4" # RAWL CALK-IN ANCHOR & 1/4"X1" SIDEWALK BOLT (3/4" # HEAD)	13
**	1/4"X2 1/4" TAP CON WITH HEX HEAD SCREW WITH 1 1/2" MIN. EMBEDMENT	6.5
HOLLOW BLOCK	1/4" # RAWL CALK-IN ANCHOR & 1/4"X1" SIDEWALK BOLT (3/4" # HEAD)	13
**	1/4"X2" ELCO PANEL MATE MASONRY BOLT WITH 1 1/4" GALV. WASHER & WASHERED WINGED NUT	13*

*NOT AVAILABLE FOR 86" PANEL LENGTH ONLY.
**NOT AVAILABLE FOR 86" PANEL LENGTHS FOR HOLLOW BLOCK ONLY FOR 13" O.C. SPACING

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0809.02
Expiration Date 10/10/2007
By *Helmut A. Weber*
Miami Dade Product Control
Division

Southeastern Metals
Manufacturing Co., Inc.
11801 Industry Drive - Jacksonville, Florida



Charles T. Bracht
10/24/02

⚠	Changed Tappin Anchor to a Rawl Calk-in with 13" o.c. spacing	10/17/07
⚠	Added thickness to aluminum tube & added Drawing Number	9/6/06
No.	Revised/Draw	Page

SOUTHEASTERN METALS
MFG. CO., INC.
20 GAUGE GALVANIZED
STEEL PANEL SYSTEM

Rev. No.	1	Date	
Date	OCTOBER 17 1997	Rev.	
Rev.	NA to Scale	Page	2 of 2
Product No.	96-2000-01		