



**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)**

**[www.miamidade.gov](http://www.miamidade.gov)**

**Arrow Group Industries, Inc.  
1101 N. 4<sup>th</sup> Street  
Breese, IL 62230**

**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: Cold Formed Steel Utility Sheds**

**APPROVAL DOCUMENT:** Drawing No. S1, S2 and S3, titled "6' x 5', 8' x 6', 8' x 8' & 10' x 8' Utility Shed", sheets S1 through S3, prepared, signed and sealed by R.T. Wharton, P.E., dated December 12, 1997, last revision #1 dated July 14, 1998, 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: Large and Small Missile Impact**

**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.

This NOA **renews NOA # 02-0401.03** 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.**



*Helmy A. Makar*  
09/14/2006

**NOA No 06-0505.07  
Expiration Date: 08/24/2007  
Approval Date: 09/14/2006  
Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 98-0113.03**

**A. DRAWINGS**

1. *Drawing No. S1, S2, & S3, total 3 sheets, prepared by R. T. Wharton, P.E., titled " 6' x 5', 8' x 6', 8' x 8', & 10' x 8' Utility Sheds", dated December 12, 1997, last revision #1 dated July 13 (sheets S1& S3) and July 14 (sheet S2), 1998, signed and sealed by R. T. Wharton, P.E.*

**B. TESTS**

1. *Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of "Utility Shed Doors", prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-97-693, dated 11/18/97, signed and sealed by Hector M. Medina, P.E.*
2. *Test report on Uniform Static Air Pressure Test of "Utility Shed Doors", prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-97-692, dated 11/18/97, signed and sealed by Hector M. Medina, P.E.*
3. *Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of "Utility Shed Panels", prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-97-691, dated 11/17/97, signed and sealed by Hector M. Medina, P.E.*
4. *Test report on Uniform Static Air Pressure Test of "Utility Shed Panels", prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-97-690, dated 11/17/97, signed and sealed by Hector M. Medina, P.E.*

**C. CALCULATIONS**

1. *Calculation of " 6' x 5', 8' x 6', 8' x 8', & 10' x 8' Utility Buildings" and anchor calculations dated 12/26/97, pages 1 to 39 of 39, prepared by Van Dam Engineering, signed and sealed by R. T. Wharton, P.E.*
2. *Calculation of " 6' x 5', 8' x 6', 8' x 8', & 10' x 8' Utility Buildings" and anchor calculations dated 07/14/98, pages 1 to 10 of 10, prepared by Van Dam Engineering, signed and sealed by R. T. Wharton, P.E.*

**D. MATERIAL CERTIFICATIONS**

1. *Mill Certified Test Report issued by National Steel Corporation, with chemical composition and mechanical properties of structural members.*
2. *Mill Certified Test Report issued by Bethlehem Steel Corporation, with chemical composition and mechanical properties of cold-formed panel, dated 07/09/98.*
3. *Tensile Test Report No. HETI-97-T64, prepared by Hurricane Engineering & Testing, Inc., dated 12/29/97, signed and sealed by Hector M. Medina, P.E.*
4. *Tensile Test Report No. HETI-97-T65, prepared by Hurricane Engineering & Testing, Inc., dated 12/29/97, signed and sealed by Hector M. Medina, P.E.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0430.04**

**A. DRAWINGS**

1. *None.*

  
Helmy A. Makar, P.E.

Product Control Examiner

NOA No 06-0505.07

Expiration Date: 08/24/2007

Approval Date: 09/14/2006

**Arrow Group Industries, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. MATERIAL CERTIFICATIONS**

1. *None.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-0401.03**

**A. DRAWINGS**

See NOA 01-0430.04

**B. TESTS**

See NOA 01-0430.04

**C. CALCULATIONS**

See NOA 01-0430.04

**D. MATERIAL CERTIFICATIONS**

See NOA 01-0430.04

**E. STATEMENTS**

See NOA 01-0430.04

**F. OTHER**

See NOA 01-0430.04

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

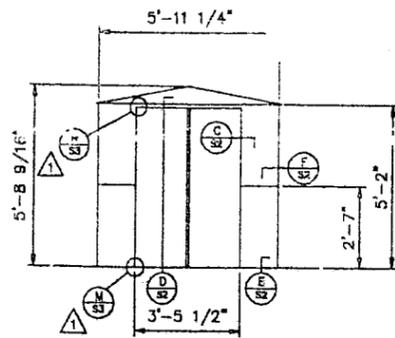
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**E. MATERIAL CERTIFICATIONS**

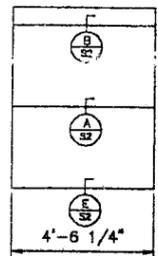
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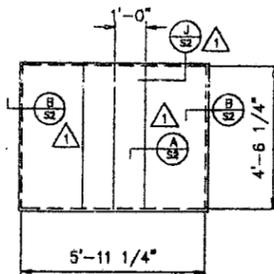
Helmy A. Makar, P.E.  
Product Control Examiner  
NOA No 06-0505.07  
Expiration Date: 08/24/2007  
Approval Date: 09/14/2006



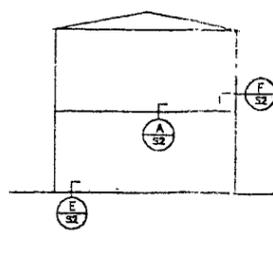
FRONT ELEVATION



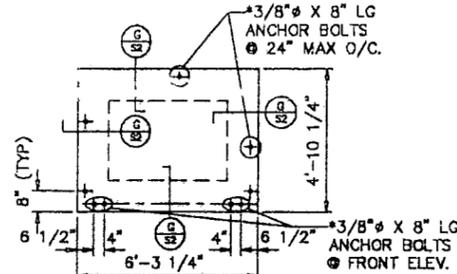
SIDE ELEVATION



ROOF PLAN

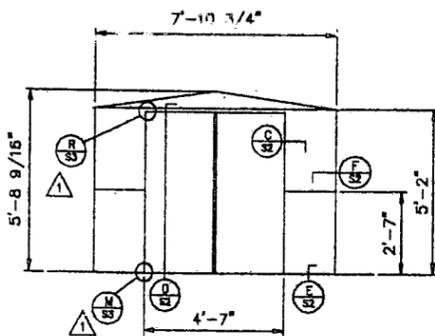


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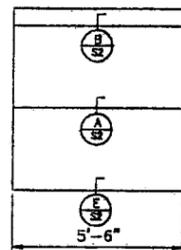


FOUNDATION PLAN

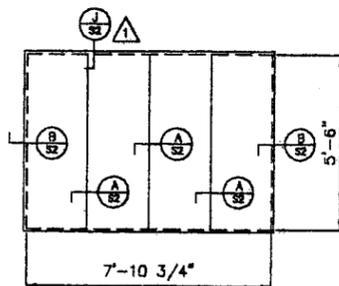
6' X 5' BUILDING



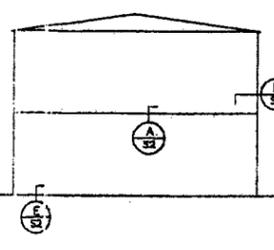
FRONT ELEVATION



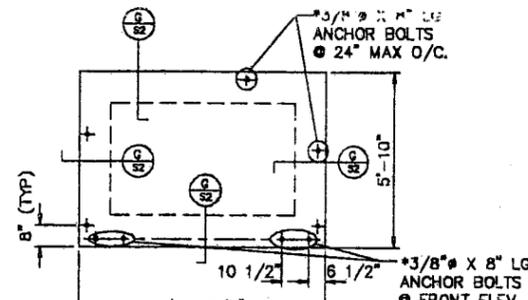
SIDE ELEVATION



ROOF PLAN

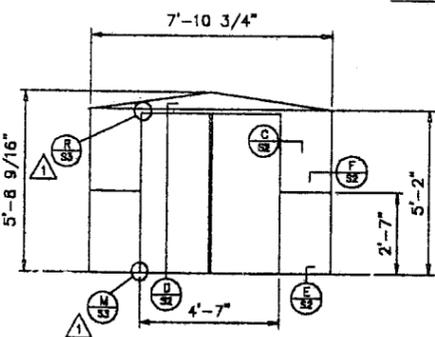


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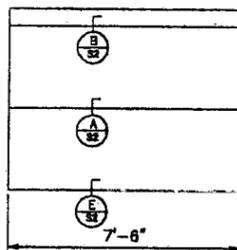


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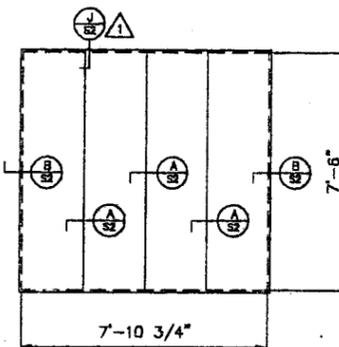
8' X 6' BUILDING



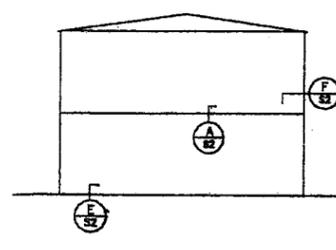
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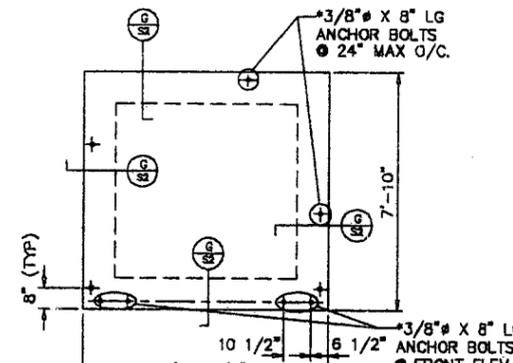
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ROOF PLAN

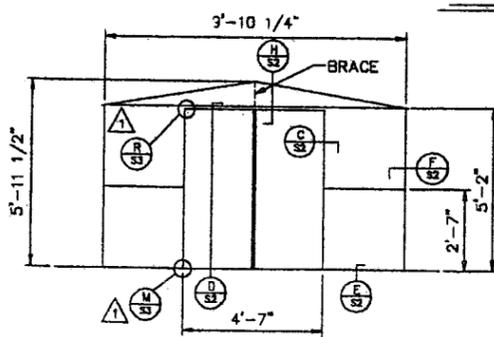


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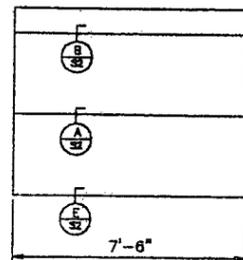


FOUNDATION PLAN

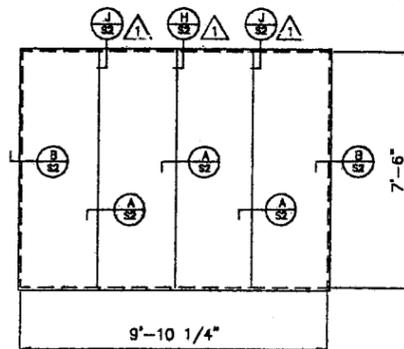
8' X 8' BUILDING



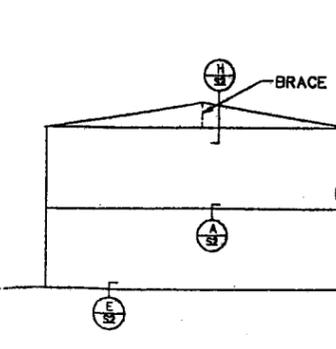
FRONT ELEVATION



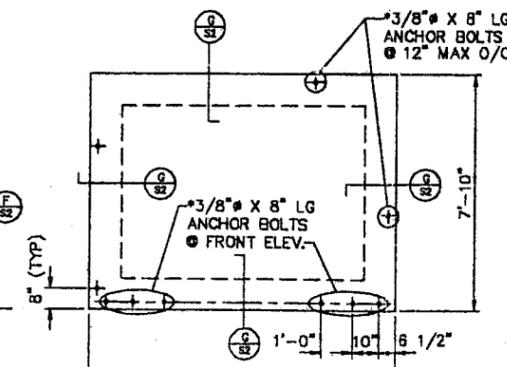
SIDE ELEVATION



ROOF PLAN



REAR ELEVATION



FOUNDATION PLAN

10' X 8' BUILDING

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 06-0505.07  
Expiration Date 08/24/2007  
By *Helmy A. Matar*

NOTES:

DESIGN CRITERIA:

FLORIDA BUILDING CODE  
ASCE 7-88 (WIND LOADS ONLY)

LOADS:

DEAD LOADS: ACTUAL LOADS  
LIVE LOADS: 15 PSF  
WIND LOADS: 75 MPH PER ASCE 7-88

MATERIALS:

PANELS: ASTM A625-76, Fy = 50 KSI  
CHANNELS & OTHER MEMBERS: ASTM A527-80, Fy = 55 KSI  
BOLTS & SCREWS: ASTM A1018, Fy = 30 KSI  
ANCHOR BOLTS: ASTM A-307  
REINFORCING STEEL: ASTM A-615, GRADE 40  
CONCRETE: 2,000 PSI AT 28 DAYS

PRODUCT REVISED

as complying with the Florida  
Building Code

Acceptance No. 02-0401.03  
Expiration Date 08/24/06

By *Helmy A. Matar*  
Miami Dade Product Control  
Division

PRODUCT REVISED

ACCEPTANCE No. 01-0430.04

EXPIRATION DATE 08/24/2006

By *Helmy A. Matar*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

\* ALTERNATE ANCHOR: HILTI KWIK BOLT II,  
3/8" X 5" LG CONCRETE ANCHOR W/  
2 1/2" EMBEDMENT, METRO DADE COUNTY  
ACCEPTANCE #93-0224.04.

APPROVED AS COMPLYING WITH THE

SOUTH FLORIDA BUILDING CODE

DATE August 24, 1998

BY *Helmy A. Matar*

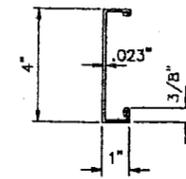
PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE

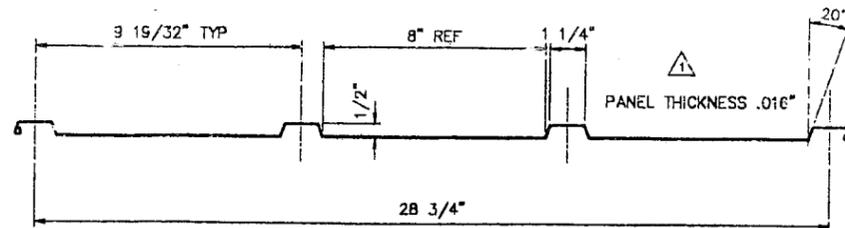
ACCEPTANCE NO. 98-0413.03

NO.	DATE	REVISION	BY
1	7-13-98	DADE COUNTY REVISIONS	JCVO
<p>PROJECT: 6' X 5', 8' X 6', 8' X 8' &amp; 10' X 8' UTILITY SHEDS</p>			
<p>ARROW GROUP INDUSTRIES 1101 N. 4TH STREET BREESE, IL. 62230 (618) 526-4546</p>			<p>SCALE: 3/8" = 1'-0"</p> <p>DRAWN BY: JCVO</p> <p>DATE: 12-12-97</p> <p>DRAWING NO. S1</p>

JUL 17 1998

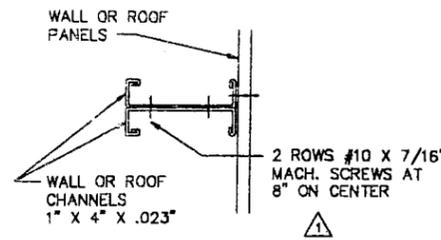


CHANNEL

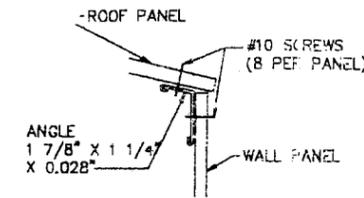


TYPICAL WALL PANEL

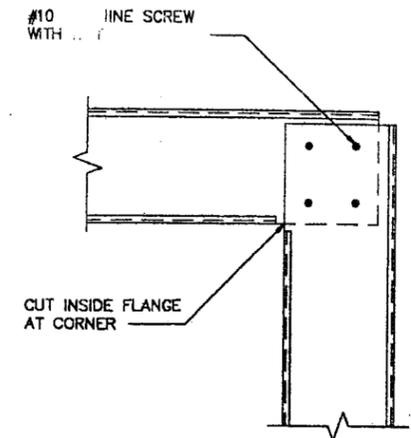
NOTE: PANEL WIDTH VARIES



SECTION A

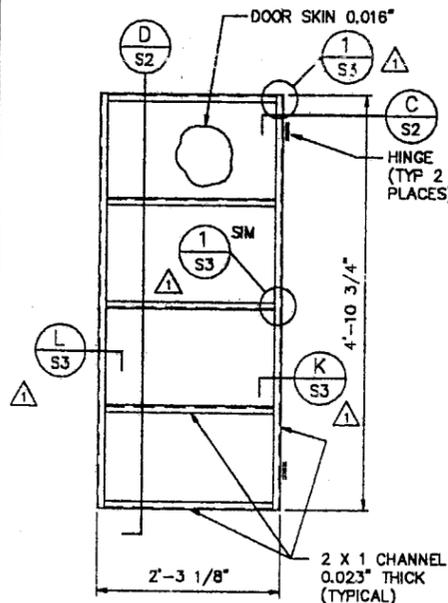


SECTION B

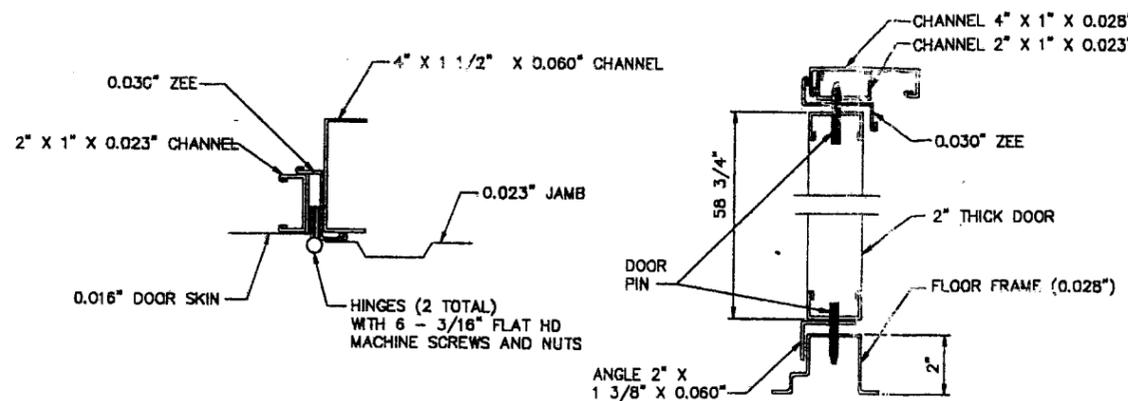


WALL CHANNEL CORNER CONNECTION

SECTION F

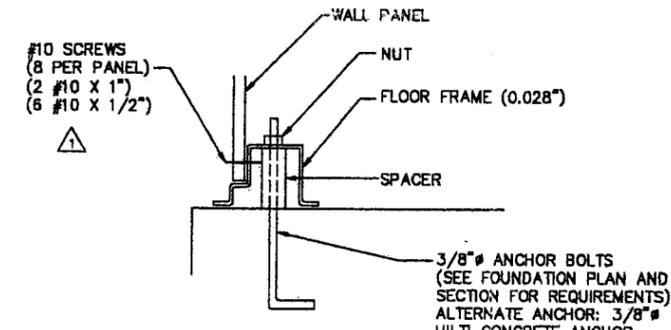


DOOR ELEVATION

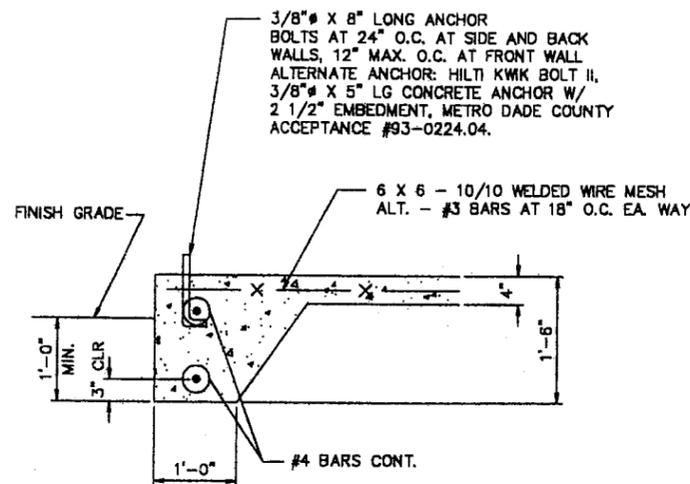


SECTION C

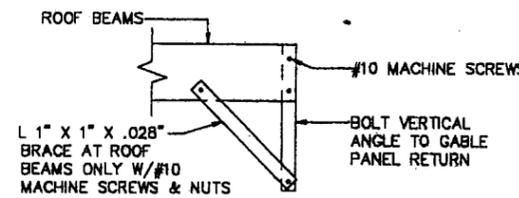
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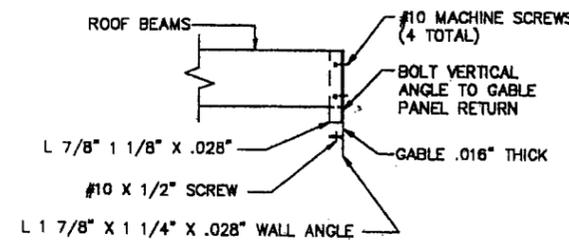
SECTION E



SECTION G



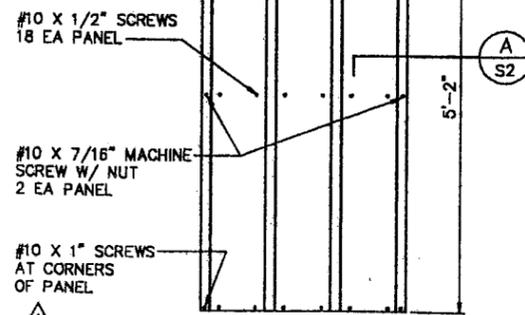
SECTION H



SECTION J

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 02-0401.03  
Expiration Date 08/24/06  
By *Helmut A. Meier*  
Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE *August 24, 10 98*  
BY *Helmut A. Meier*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *98 0113-03*

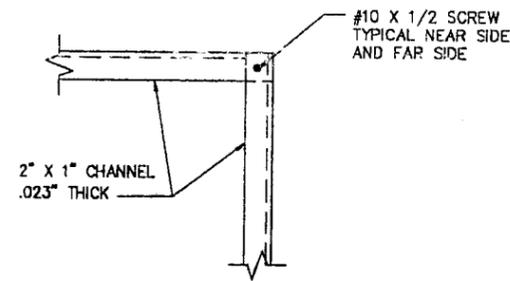


TYPICAL PANEL FASTENER ELEVATION

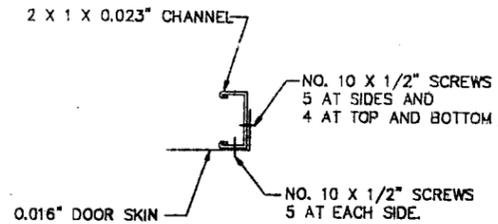
**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 06-0505.07  
Expiration Date 08/24/2007  
By *Helmut A. Meier*  
Miami Dade Product Control Division

NO.	DATE	REVISION	BY
1	7-14-98	DADE COUNTY REVISIONS	JCYD
SHEET TITLE: SECTIONS & DETAILS			SCALE: NONE
PROJECT: 6' X 5', 8' X 6', 8' X 8' & 10' X 8' UTILITY SHEDS			DRAWN BY: JCYD DATE: 12-12-97 DRAWING NO. S2
ARROW GROUP INDUSTRIES 1101 N. 4TH STREET BREESE, IL 62230 (618) 526-4546			

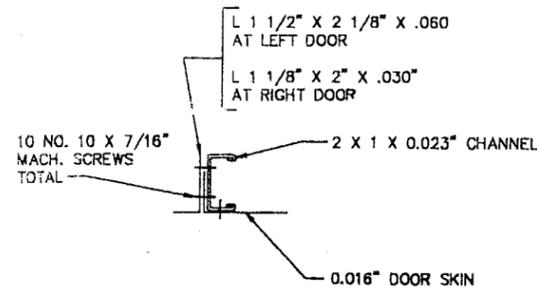
8661 17 1098



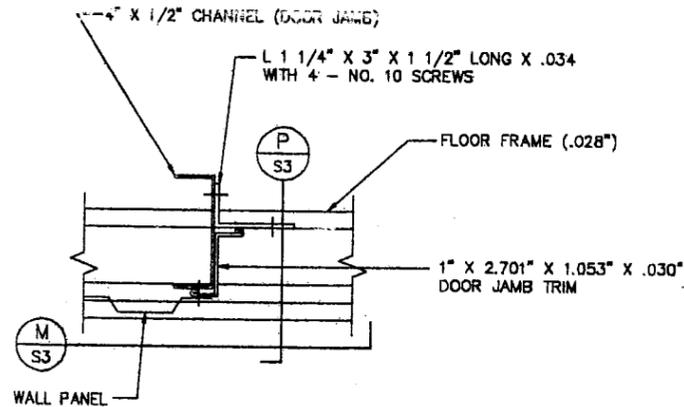
DETAIL 1 S3



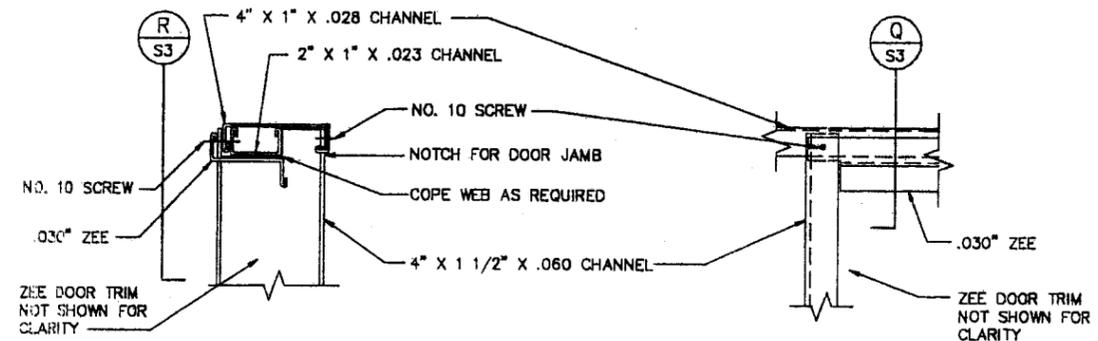
SECTION K S3



SECTION L S3

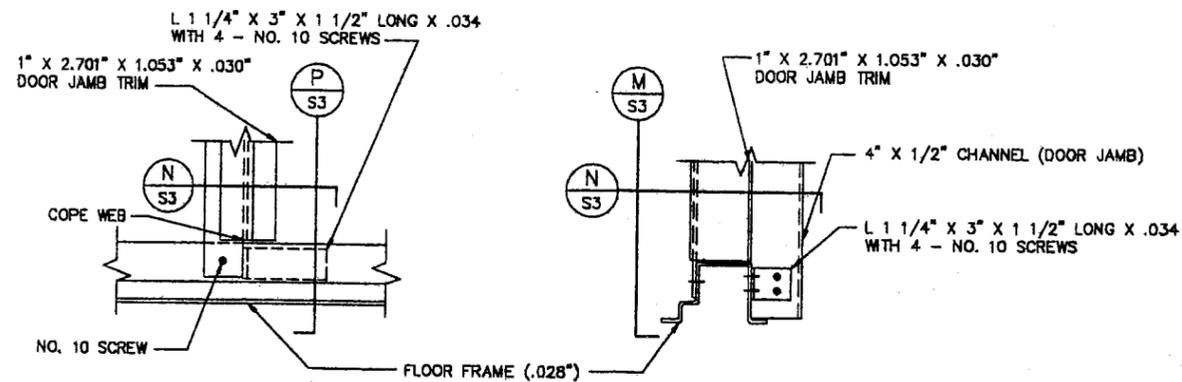


SECTION N S3



SECTION Q S3

SECTION R S3



SECTION M S3

SECTION P S3

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0505.07  
 Expiration Date 08/24/2007  
 By *Helmy A. Matar*  
 Miami Dade Product Control  
 Division

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 02-0401.03  
 Expiration Date 08/24/06  
 By *Helmy A. Matar*  
 Miami Dade Product Control  
 Division

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE August 24, 2008  
 BY *Helmy A. Matar*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 980113.03

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0430.04  
 EXPIRATION DATE 08/24/2006  
 By *Helmy A. Matar*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

NO. 7-13-98		NEW DRAWING - DADE COUNTY REQUIREMENTS	JCVD
NO.	DATE	REVISION	BY
SHEET TITLE			SCALE
SECTIONS & DETAILS			NONE
PROJECT			DRAWN BY
6' X 5', 8' X 6', 8' X 8' & 10' X 8' UTILITY SHEDS			JCVD
			DATE
			12-12-97
			DRAWING NO.
ARROW GROUP INDUSTRIES 1101 N. 4TH STREET BREESE, IL. 62230 (618) 526-4546			S3

JUL 17 1998