



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

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1107
MIAMI, FLORIDA 33130-1563
(305) 375-2902 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Roof Securing System, Inc.
1490 W. 49th Place
Suite 510
Hialeah, FL 33012

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: Roof Plywood Tie Down Strap System – N.I.

APPROVAL DOCUMENT: Drawing No. **09-ML-02**, titled "Roof Plywood Tie Down Strap System" sheets 1 through 3 of 3, dated 07/19/09 with revision "2" dated 09/22/09, prepared, signed and sealed by Rodrigo Herman Cadavid, 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: None.

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 evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
11/3/09

NOA No. 09-0429.08
Expiration Date: November 25, 2014
Approval Date: November 25, 2009
Page 1

Roof Securing System, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **09-ML-02**, titled "Roof Plywood Tie Down Strap System" sheets 1 through 3 of 3, dated 07/19/09 with revision "2" dated 09/22/09, prepared, signed and sealed by Rodrigo Herman Cadavid, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Tensile Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of Roof Plywood Tie Down Strap System, prepared by Hurricane Engineering & Testing, Inc., Test Report No.'s **HETI-09-2620**, **HETI-09-2589**, **HETI-09-2533** and **HETI-09-T111**, dated between March 9 to September 10, 2009, signed and sealed by Candido F. Font, P. E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

E. STATEMENTS

1. Statement letter of conformance, dated April 29, 2009, signed and sealed by Rodrigo Herman Cadavid, P.E.
2. Statement letter of no financial interest, dated April 29, 2009, signed and sealed by Rodrigo Herman Cadavid, P.E.
3. Laboratory compliance letter for Test Report No.'s **HETI-09-2620**, **HETI-09-2589**, **HETI-09-2533** and **HETI-09-T111**, issued by Hurricane Engineering & Testing, Inc., dated between March 9 to September 10, 2009, signed and sealed by Candido F. Font, P. E.
4. Distributor Agreement document in conformance to BCCO guidelines, dated October 26, 2009, signed by Mario Llorens.

G. OTHERS

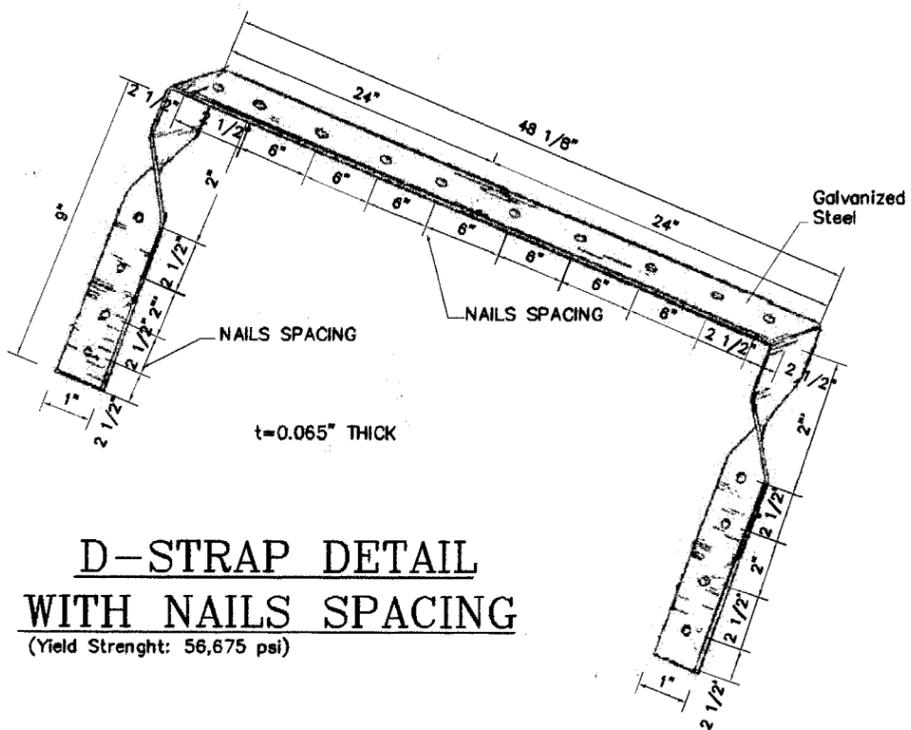
1. None.



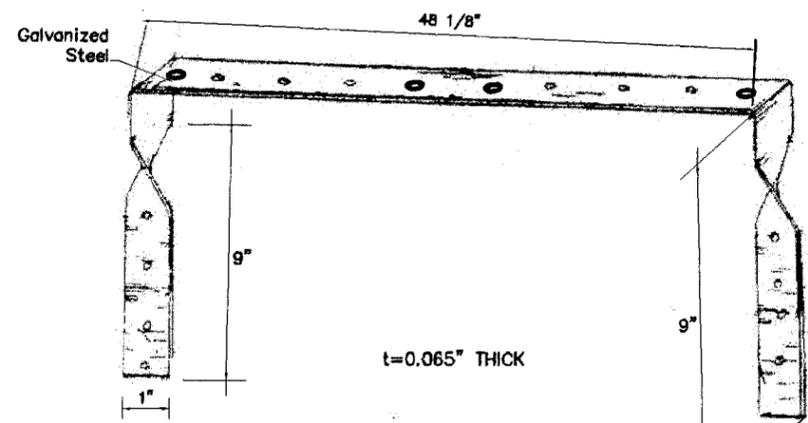
Jaime D. Gascon, P. E.

Chief, Product Control Division
NOA No. 09-0429.08

Expiration Date: November 25, 2014
Approval Date: November 25, 2009



**D-STRAP DETAIL
WITH NAILS SPACING**
(Yield Strength: 56,675 psi)



**D-STRAP DETAIL
WITH NAILS SPACING**

UNIFORM STATIC AIR PRESSURE TEST RESULTS

**NAILS & STRAPS

PRESSURE (psf)	DEFLECTION (inches)	SET (inches)	RECOVERY (%)	DURATION (seconds)
20 psf	0.17	0.00	100	30
40 psf	0.36	0.00	100	30
60 psf	0.55	0.00	100	30
80 psf	0.76	0.00	100	30
100 psf	0.99	0.00	100	30
120 psf	1.15	0.00	100	30
140 psf	1.37	0.00	100	30
160 psf	1.64	0.00	100	30
180 psf	1.65	0.00	100	30
200 psf	1.71	0.00	100	30

**** Nails failed and resulting in sudden load transfer to the straps, and separation of plywood from studs.

Sample 1 : (Negative Pressure only)

PRESSURE (psf)	DEFLECTION (inches)	SET (inches)	RECOVERY (%)	DURATION (seconds)
Negative Load				
-40	0.09	0.00	100	30
-80	0.33	0.00	100	30
-120	0.80	0.00	100	30
-160	1.37	0.01	99	30
At 180 psf the 2 x 4 wood attached to straps broke.				

DESIGN PRESSURE : -60 psf

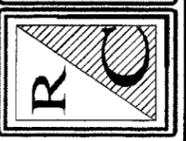
Sample 2 : (Negative Pressure only)

PRESSURE (psf)	DEFLECTION (inches)	SET (inches)	RECOVERY (%)	DURATION (seconds)
Negative Load				
-40	0.12	0.00	100	30
-80	0.49	0.00	100	30
-120	0.80	0.04	95	30
At 160 psf the 2 x 4 wood separated from plywood causing failure of straps and over deflection.				

Approved as complying with the Florida Building Code
Date **November 25, 2009**
NOA# **09-0429,08**
Miami Dade Product Control Division
By *[Signature]*

[Signature]
9.28.2009

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MIAMI, FL 33135
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ROOF-PLYWOOD TIE DOWN STRAP SYSTEM
ROOF SECURING SYSTEM, INC.
MARIO LORENS - President
WESTLAND PROFESSIONAL BUILDING
1400 W. 40th Place, Suite 510 Hialeah - Florida 33102
Office: (305) 882-5717 Fax: (305) 882-5718
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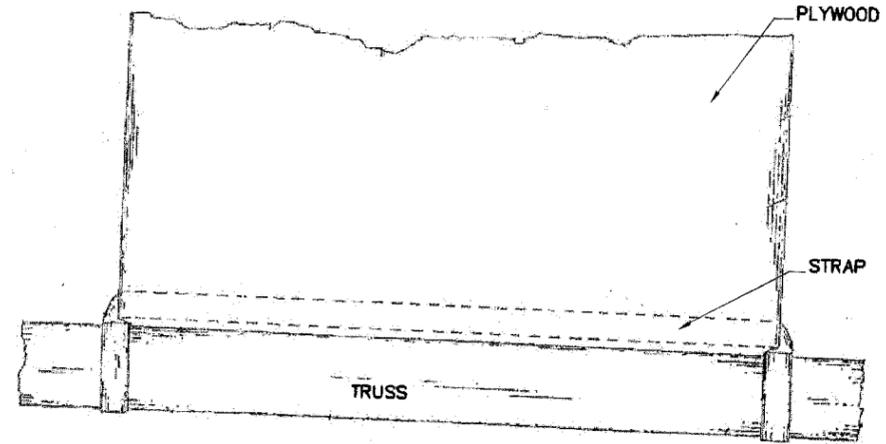
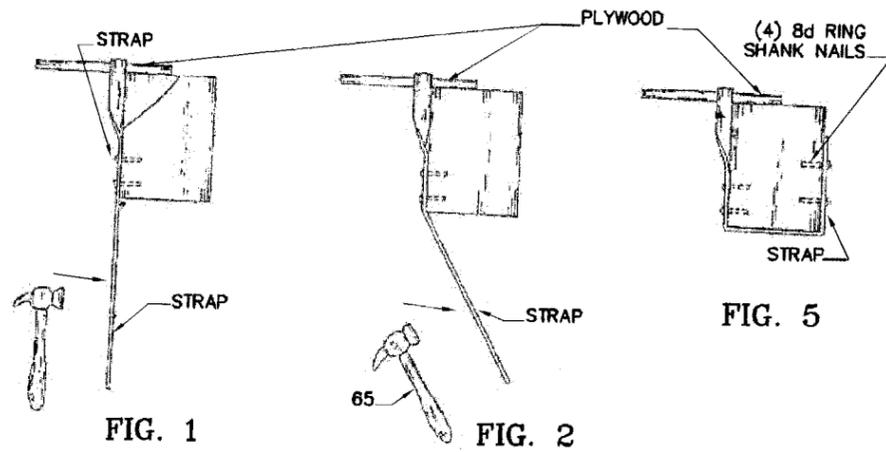
REVISIONS:

NO.	DATE	BY	DESCRIPTION
1	07-19-09	RH	NEW TEST
2	09-22-09	RH	NEW TEST

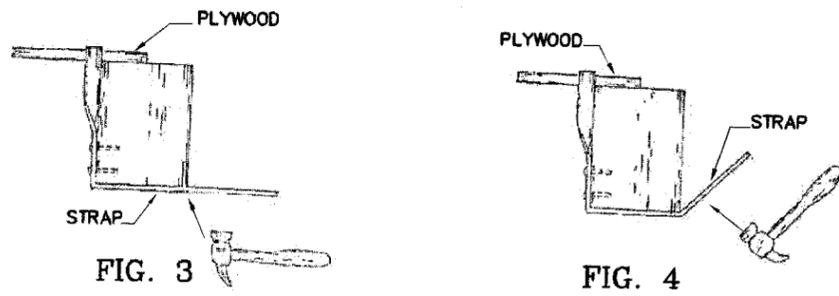
DATE: 07-19-09	SCALE: N.T.S.	DRAWN BY: GCO	CHECK BY: RHC
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DRAWING NO. **09-ML-02**
SHEET 1 OF 3

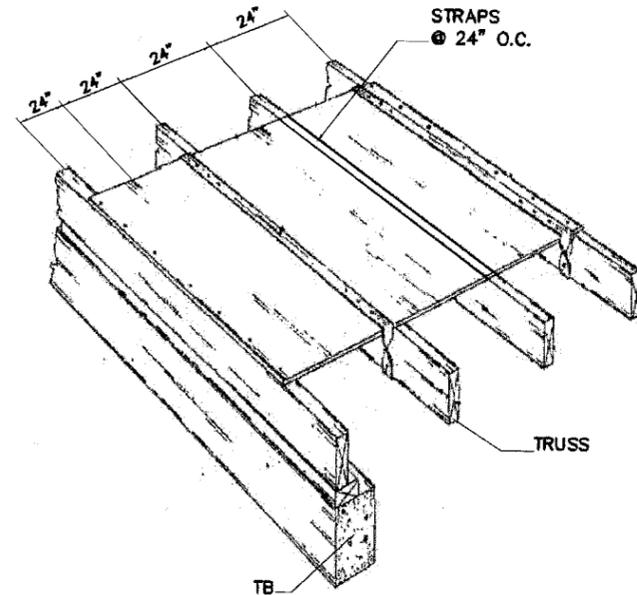
INSTALLATION PROCEDURE



B) TRUSS, STRAP & PLYWOOD DETAIL
TOP VIEW



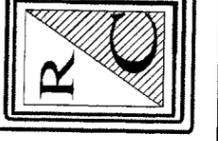
A) DETAILS OF INSTALLATION PLYWOOD



C) ROOF LAYOUT WITH STRAPS & PLYWOOD

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Miami Dade Product Control
Division
By *[Signature]*

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ROOF PLYWOOD TIE DOWN STRAP SYSTEM

ROOF SECURING SYSTEM, INC.

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WESTLAND PROGRESS BLDG.
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Chicago, IL 60632
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Toll Free: 1-877-RUC-6723
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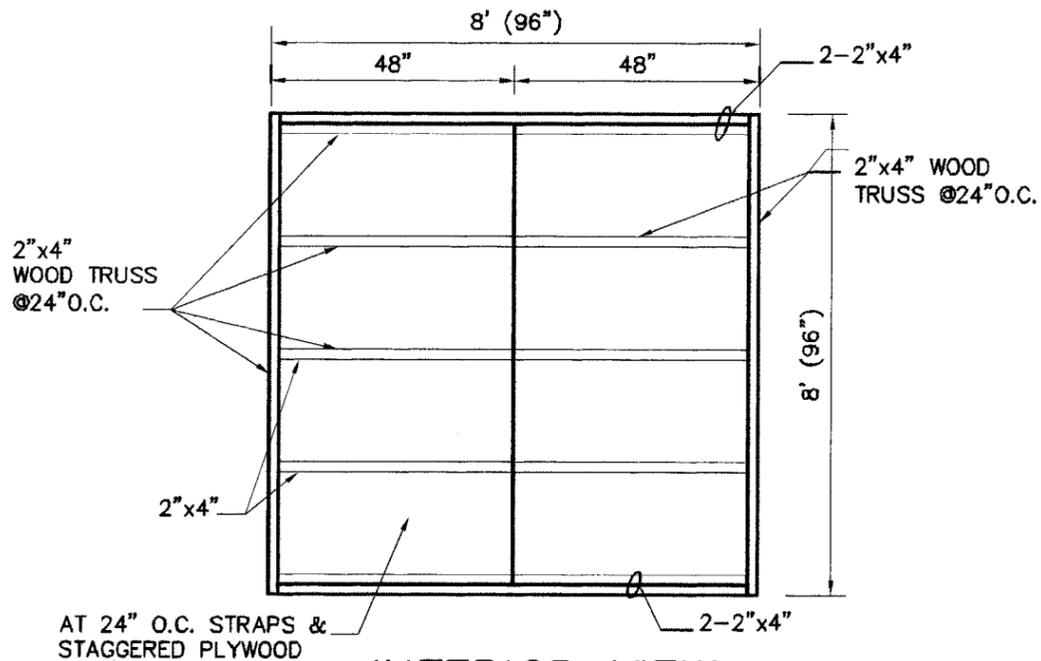
REVISIONS	
NO.	DESCRIPTION

DATE: 07-19-08	SCALE: N.T.S.	DRAWN BY: GGD	CHECK BY: RHC
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DRAWING NO.
09-ML-02

SHEET 2 OF 3

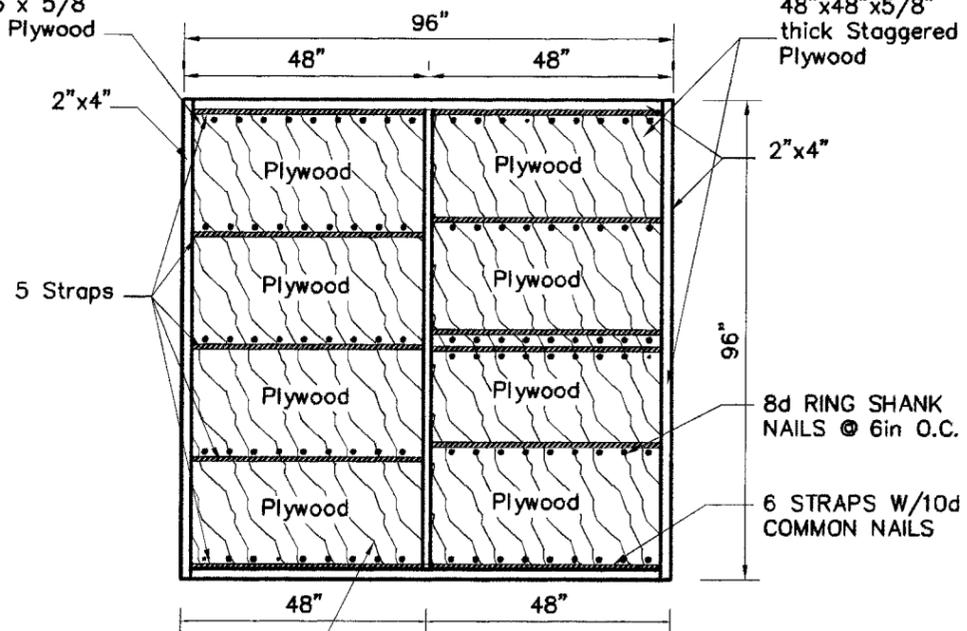
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INTERIOR VIEW

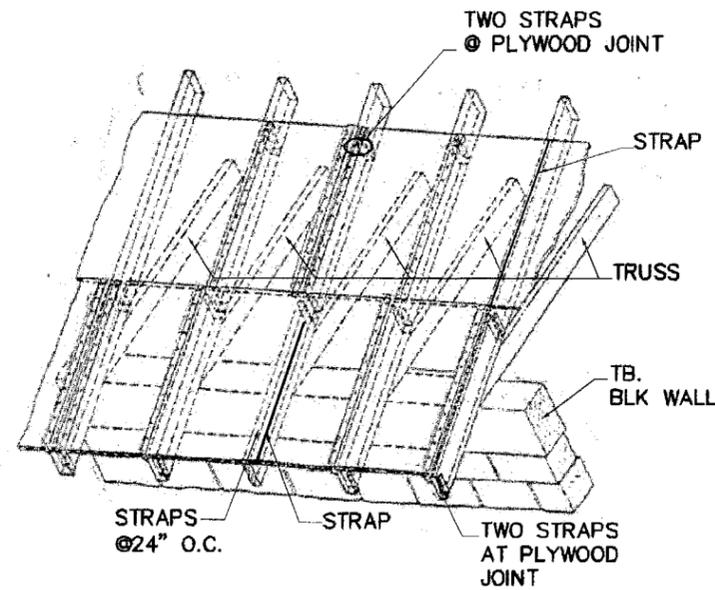
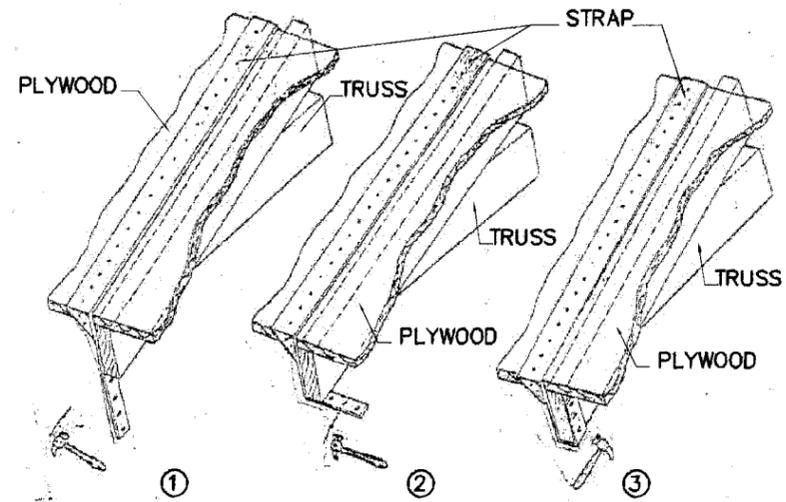
SCALE: 3/4" = 1'-0"

1 Sheet of
48" x 96" x 5/8"
CD x Plywood



OUTSIDE VIEW

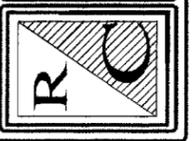
SCALE: 3/4" = 1'-0"



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By *[Signature]*

[Handwritten Signature]
9/28/09

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REVISIONS:	
NO.	DESCRIPTION

DATE: 07-19-09	SCALE: N.T.S.	DRAWN BY: GGO	CHECK BY: RHC
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09-ML-02