MIAMI-DADE

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)

The Dow Chemical Company.
1971 West Lumsden Road # 214
1605 Joseph Street
Brandon, FL 33511

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: Insulated Roof Assembly with ¾" Plywood.

APPROVAL DOCUMENT: Drawing No. 250034-2, titled "Insulated Roof Assembly with ¾" Plywood", sheet 1 of 1, prepared by The Dow Chemical Company, signed and sealed by J. R. Mehltretter, P.E., dated 02/28/03 with no revisions, 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: 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 **renews NOA # 96-0429.11** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Candido F. Font, P.E.**

4/7/3

PRODUCT CONTROL ACCEPTED

NOA No 02-0703.05
Expiration Date: July 1, 2007
Approval Date: May 1, 2003
Page 1

The Dow Chemical Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A DRAWING

1. Drawing No. 250034-2, prepared by Celotex Corporation, titled "Insulated Roof Assembly with ¾" Plywood " Sheet 1 of 1, dated 02/28/03, with no revisions, signed and sealed by J> R. Mehltretter, PE.

B TEST

	Laboratory Report	Test	Date	Signature
1.	SGS #101383-3	ASTM E-84	01/22/98	D. H. Mangnall, PE.
2.	SGS #101383-4	ASTM E84	01/22/98	D. H. Mangnall, PE.
3.	SGS #101383-12	ASTM C209	04/01/98	D. H. Mangnall, PE.
4.	SGS #101383-13	ASTM D1621	04/02/98	D. H. Mangnall, PE.
5	SGS #101383-16	ASTM D2126	04/20/98	D. H. Mangnall, PE.
6.	SGS #101383-22	ASTM C518	09/21/98	D. H. Mangnall, PE.
7.	SGS #101383-24	ASTM E96	10/05/98	D. H. Mangnall, PE.
8.	SGS #101383-25	ASTM E96	10/05/98	D. H. Mangnall, PE.
9	CTLA-206W-2	PA202 & 203	06/23/98	R. Patel PE.

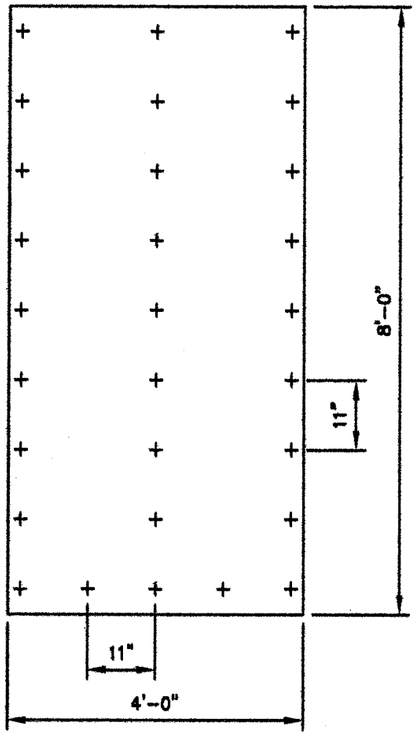
C CALCULATION N/A

D MATERIAL CERTIFICATION N/A

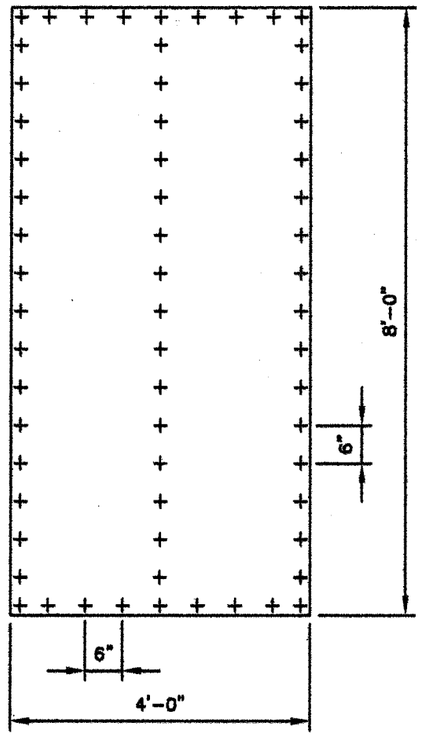
E STATEMENTS

1. Test compliance letters prepared by SGS U.S. Testing Company Inc. on 05/01/98, 10/06/98, 04/17/98 & 01/23/98, signed by J. Chien, F. Savino & S. Caldarola.
2. No change letter issued by Celotex Corporation on 04/12/96 and signed by D. G. Gehring PE.
3. Test compliance letter prepared by Certified Testing Laboratories on 06/23/98 signed y sealed by R. C. Patel PE.
4. No change letter issued by The Dow Chemical Co. on 06/27/02 and signed by H. L. Reffert Jr.

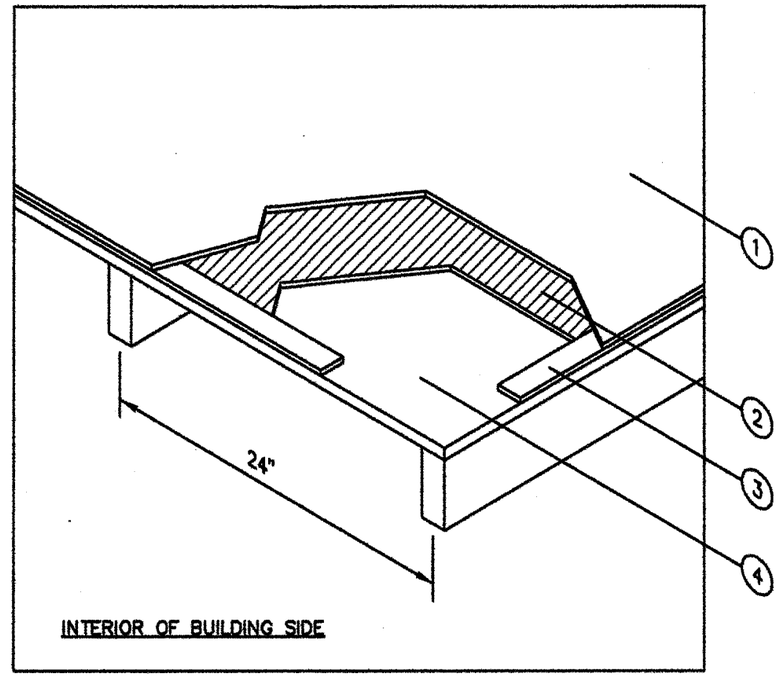
Candido F. Font, P.E.
Senior, Product Control Examiner
NOA No 02-0703.05
Expiration Date: July 1, 2007
Approval Date: May 1, 2003



② 3/8" PLYWOOD BOARD



④ 3/4" PLYWOOD BOARD



① 3/8" EXTERIOR GRADE PLYWOOD
② 1/2" THERMAX SHEATHING (TF 610)
③ WOOD NAILING STRIPS (1/2"x2-1/2" MIN.)
④ 3/4" PLYWOOD BOARD

INSTALLATION
A. APPLY 3/4" PLYWOOD TO A 24" O.C. 2X STUD FRAME WITH 8D GALVANIZED NAILS @ 6" O.C.
B. A MINIMUM OF 2-1/2" WIDE X 1/2" THICK WOOD NAILING STRIP SHALL BE APPLIED ON THE EAVE AND RAKE.
C. APPLY 1/2" THERMAX TF 610 OVER 3/4" PLYWOOD WITH 11 GA X 1-1/2" GALVANIZED ROOFING NAILS AT CORNERS/MIDCENTERS.
D. FOIL TAPE THERMAX JOINTS.
E. INSTALL 3/8" EXTERIOR PLYWOOD OVER 1/2" THERMAX WITH 12 GA. X 3/8" X 2-1/4" LONG RING-SHANK NAILS, 11" O.C.

DESIGN PRESSURE RATING
±82 PSF

THIS SYSTEM WAS NOT TESTED FOR IMPACT; 3/4" PLYWOOD SUPPORTED 24" O.C. IS A PRESCRIPTIVE ROOF SHEATHING PER SECTION 2909.2 OF THE S.F.B.C.

(1/2") THERMAX TF 610		
PROPERTIES	RESULTS	TESTS
DENSITY	2.55 LBS/FT3	ASTM C 518
THERMAL RESISTANCE	3.9 HR-FT2 -°F/BTU	ASTM C 518
COMPRESSIVE STRENGTH	12.5 PSI AT 10% DEF	ASTM D 1621
MODULOS OF ELASTICITY	140 PSI	ASTM D 1621
WATER ABSORBED BY VOLUME	1.74%	ASTM C 209
WATER VAPOR TRANSMISSION	0.15 PERMS	ASTM E 96
FLAME SPREAD INDEX	15 (4-1/2" THICK)	ASTM E 84
SMOKE DEVELOPED VALUE	95 (4-1/2" THICK)	ASTM E 84
THERMAL & HUMID AGING 7 DAYS	2.04% BY WT. AT 200°F	ASTM D 2126
THERMAL & HUMID AGING 7 DAYS	-0.61% BY WT. AT 158°F / 95%RH	ASTM D 2126
THERMAL & HUMID AGING 7 DAYS	-0.07% BY WT. AT -40°F	ASTM D 2126

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-0703.05
Expiration Date 07/01/07
By
Miami Dade Product Control
Division

JAMES R. MEHLTRETTER, P.E.
FL. LIC. No. 33860
Signature 22803 Date

REVISIONS			
NO	DATE	DOW	THE DOW CHEMICAL COMPANY 200 LARKIN CENTER 1605 JOSEPH STREET MIDLAND, MI 48674
1			
2		INSULATED ROOF ASSEMBLY WITH 3/4" PLYWOOD	
3			
4		DR: SM	SC: JRM
5		DATE: 2/28/03	DWG. 250034-2