



**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)

**Aluma Shield Industries, Inc.
405 Fentress Boulevard
Daytona Beach, Florida 33114**

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: Composite Wall Panels System

APPROVAL DOCUMENT: Drawing No. 02-429, titled "Composite Wall Panels", sheets 1 through 3 of 3, prepared by Knezevich & Associates, Inc., dated March 6, 2003, last revision #1 dated August 27, 2003, signed and sealed by V. J. Knezevich, 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

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.

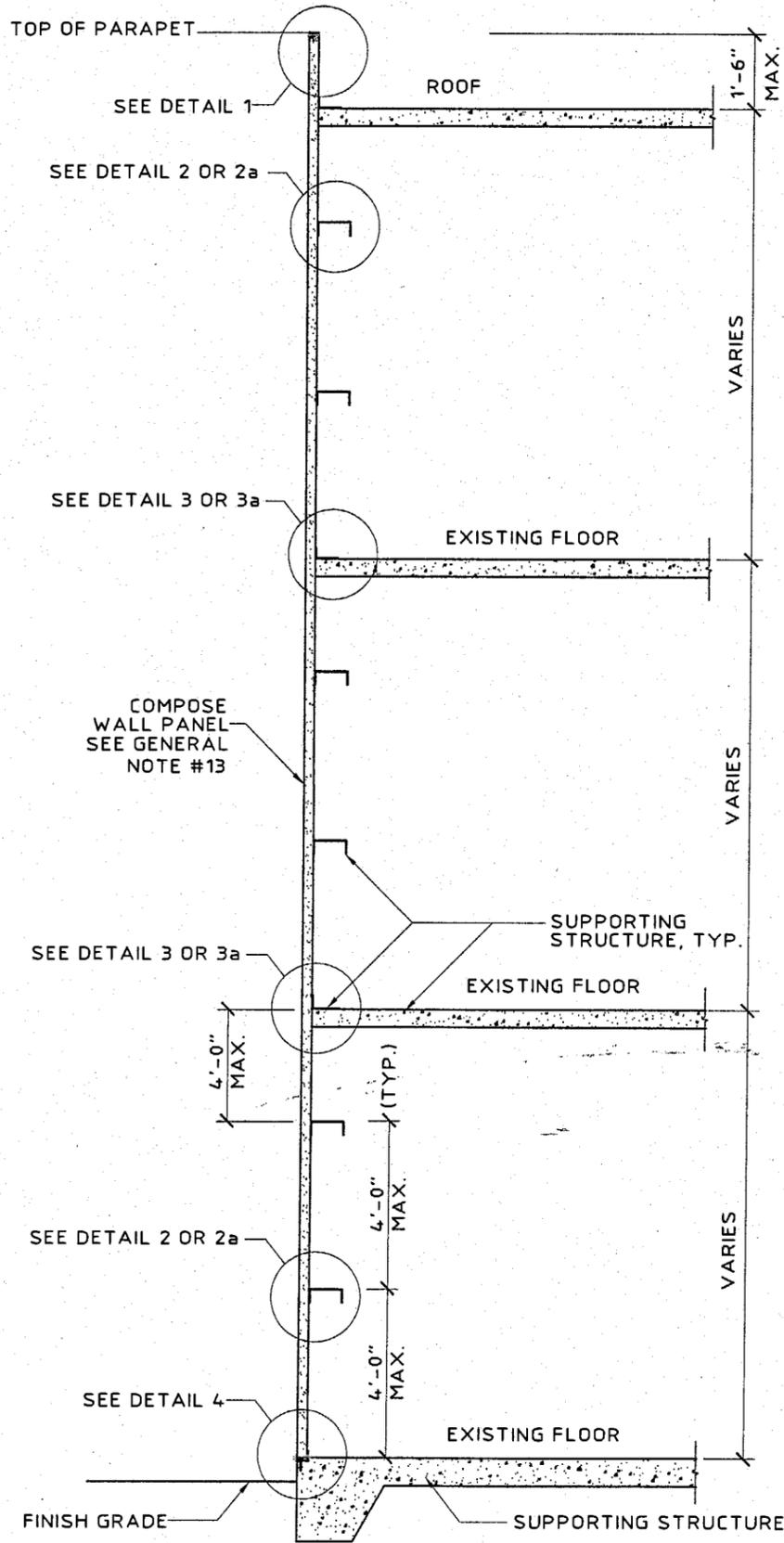
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 & the evidence submitted page(s) as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



Helmy A. Makar
09/25/03

**NOA No 03-0429.01
Expiration Date: 09/25/2008
Approval Date: 09/25/2003
Page 1**



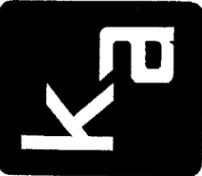
SCHEMATICAL
N.T.S.

GENERAL NOTES :

1. THESE APPROVAL DOCUMENTS REPRESENT A COMPOSITE WALL PANEL SYSTEM ANALYZED WITH THE PROVISION SET FOR THE ISSUANCE OF A NOTICE OF ACCEPTANCE (NOA) BY MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE FLORIDA BUILDING CODE.
2. THIS WALL PANEL SYSTEM IS DESIGNED AND TESTED FOR THE FOLLOWING DESIGN AND SPAN CONDITIONS:
2.1) DESIGN WIND PRESSURE: +60 PSF / -80 PSF
2.2) REQUIRED SPAN CONDITION: THREE OR MORE CONTINUOUS SPANS MAX. 4'-0" LONG
3. AN ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.
4. DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY.
5. THESE APPROVAL DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION OF THIS COMPOSITE WALL PANEL SYSTEM.
6. THESE APPROVAL DOCUMENTS COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
7. THESE APPROVAL DOCUMENTS, ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THAT THE EXISTING STRUCTURE DOES NOT DEVIATE IN EITHER FORM OR MATERIAL FROM THE STRUCTURAL SUBSTRATES DETAILED HEREIN.
8. ANY MODIFICATIONS OR ADDITIONS TO THESE APPROVAL DOCUMENTS WILL VOID THE APPROVAL DOCUMENTS.
9. WHEN THE SITE CONDITIONS DEVIATE FROM THESE APPROVAL DOCUMENTS, THE BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
A) REQUIRE THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION. SAID DOCUMENTS SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW AS A CONDITION TO THE BUILDING OFFICIAL GRANTING HIS /HER APPROVAL.
B) REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION
10. EACH COMPOSITE WALL PANEL SHALL BE PERMANENTLY LABELED AS FOLLOWS:

ALUMA SHIELD INDUSTRIES, INC.
DAYTONA BEACH, FL. 32114
MIAMI-DADE COUNTY PRODUCT APPROVAL
11. ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 K.S.I., U.O.N.
12. DESIGN IS BASED ON IMPACT, CYCLIC, UNIFORM LOAD, AIR AND WATER INFILTRATION TESTING. REFERENCE CONSTRUCTION RESEARCH LABORATORY, INC. (C.R.L.) TEST REPORT No. 6845A.
13. COMPOSITE PANELS SHALL CONSIST OF 26 GAGE (t=0.018") STEEL ON THE EXTERIOR SIDE AND 22 GAGE (t=0.030") STEEL ON THE INTERIOR SIDE OF AN EXPANDED URETHANE CORE. THE FOAM CORE SHALL HAVE A DENSITY OF 2.6 POUNDS PER CUBIC FOOT. THE PANEL FACINGS SHALL BE MANUFACTURED FROM STEEL COMPLYING WITH ASTM A653 S.Q. GRADE 50 GALVANIZED WITH A G90 FINISH COATING.
14. THE CONNECTION OF THE STEEL CHANNELS TO THE EXISTING SUPPORTING STRUCTURE IS NOT PART OF THIS PRODUCT CONTROL APPROVAL AND IT SHALL BE DESIGNED BY THE ENGINEER OF RECORD / OR ARCHITECT AND SUBMITTED TO PERMITTING JURISDICTION FOR REVIEW AND APPROVAL.

15. URETHANE FOAM CORE SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 75, A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 AND A SELF-IGNITION TEMPERATURE GREATER THAN 650°F IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 2605.2
16. THIS WALL PANEL MAY BE USED ON ENCLOSED BUILDINGS, ATTACHED TO A GROUND LEVEL FOUNDATION STRUCTURE AND A ROOF LEVEL SUPPORT SYSTEM. FOUNDATIONS, INTERMEDIATE FRAMING AND THE ROOF LEVEL SUPPORT SYSTEM SHALL BE CAPABLE OF RESISTING THE LATERAL LOADS IMPOSED BY THE WALL PANEL SYSTEM.
17. WALL PANELS TO BE INSTALLED SUCH THAT THE REQUIRED STRUCTURAL PROPERTIES DO NOT EXCEED THOSE VERIFIED THROUGH THE TESTING PROGRAM AND IDENTIFIED HEREIN.
18. THE WALL PANELS SHALL NOT BE USED TO RESIST ANY DIAPHRAGM FORCES. SUPPLEMENTAL LATERAL BRACING IS REQUIRED.
19. THE WALL PANELS SHALL NOT BE USED TO RESIST ANY AXIAL FORCES OTHER THAN SELF-WEIGHT. SUPPLEMENTAL VERTICAL SUPPORT FOR FLOOR AND ROOF SYSTEMS IS REQUIRED.
20. THE ENGINEER OF RECORD / OR ARCHITECT SHALL VERIFY THAT THE WALL PANEL DESIGN REQUIREMENTS FOR A SPECIFIC PROJECT MEET THE LIMITATIONS AS DESIGNATED HEREIN AND COMPLY WITH THE APPLICABLE CODE.
21. THE ENGINEER OF RECORD / OR ARCHITECT SHALL VERIFY THAT THE SUPPORTING STRUCTURE IS CAPABLE OF RESISTING THE SUPERIMPOSED LOADS FROM THE WALL PANEL SYSTEM AND THAT THE SUPPORTING STRUCTURE IS CAPABLE OF PROVIDING THE LATERAL STABILITY NECESSARY TO CARRY THE WIND LOADS TO THE BUILDING FOUNDATION.



KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM
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COMPOSITE WALL PANELS
ALLUMA 405 FENTRESS BOULEVARD DAYTONA BEACH, FL 32114
TEL (904) 255-9391 FAX (904) 257-2523
SHIELD INDUSTRIES, INC.

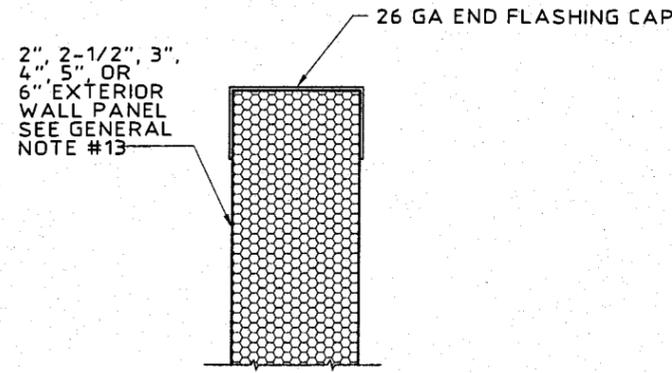
V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No. PE 0010983

[Signature]
AUG 27 2003

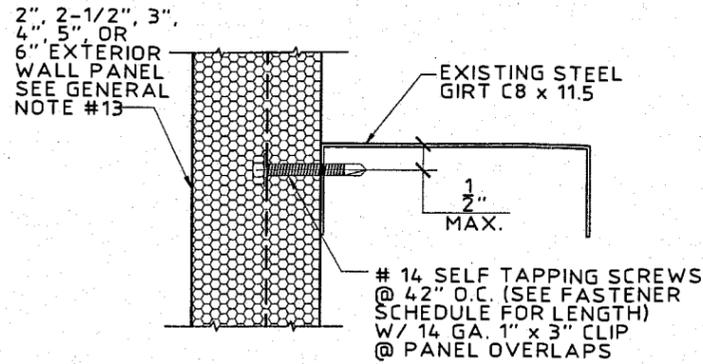
no	date	description
0	03/06/2003	NAZ
1	08/27/03	NAZ

Approved as complying with the
Florida Building Code
Date 09/25/2003
NOA# 03-0429-01
Miami Dade Product Control
Division
By *[Signature]*

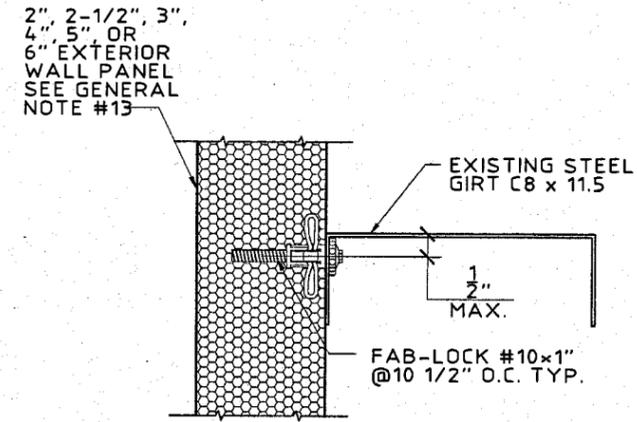
date	03/06/2003
scale	AS NOTED
design by	NAZ
checked by	VJK
drawing no.	02-429
sheet	1 of 3



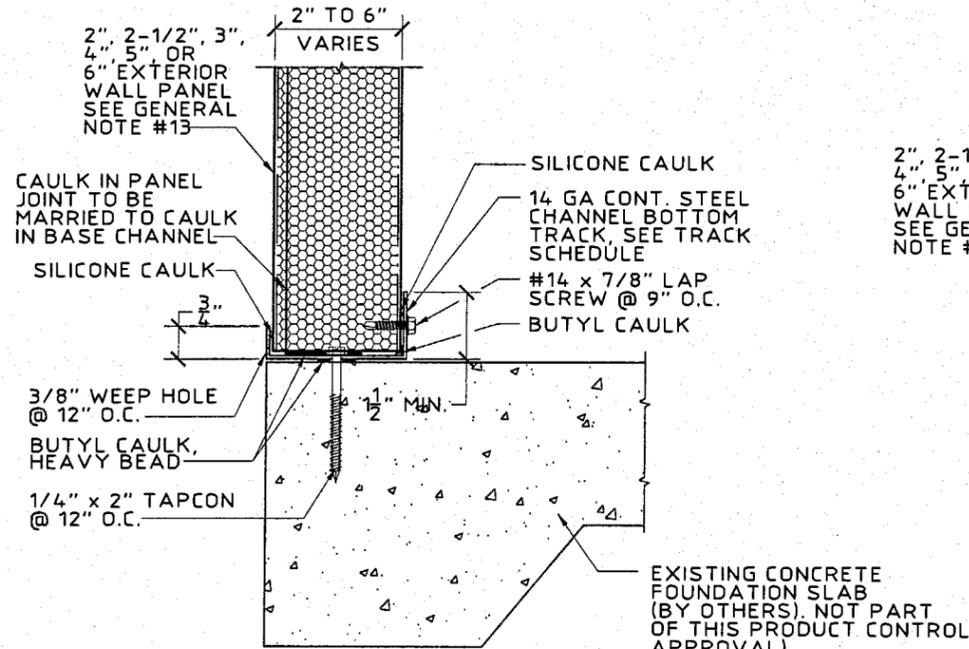
DETAIL 1
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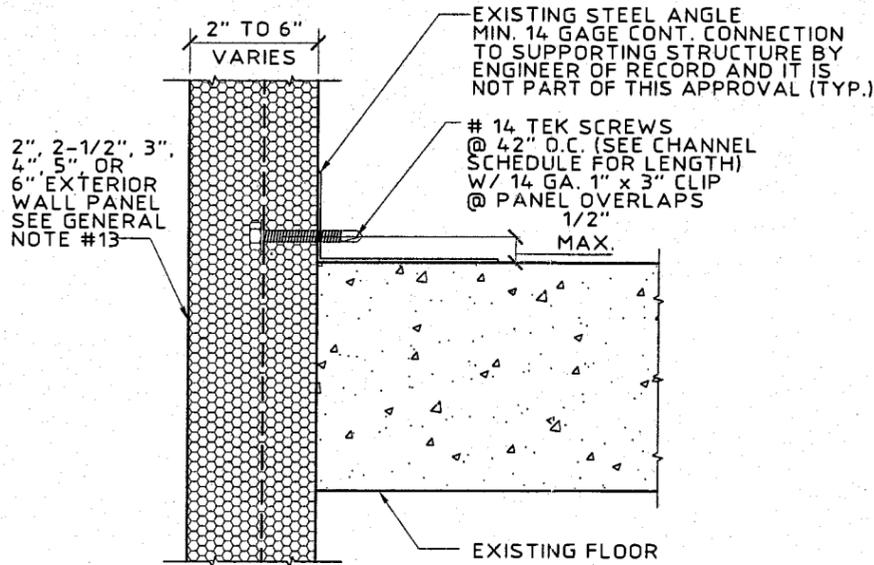
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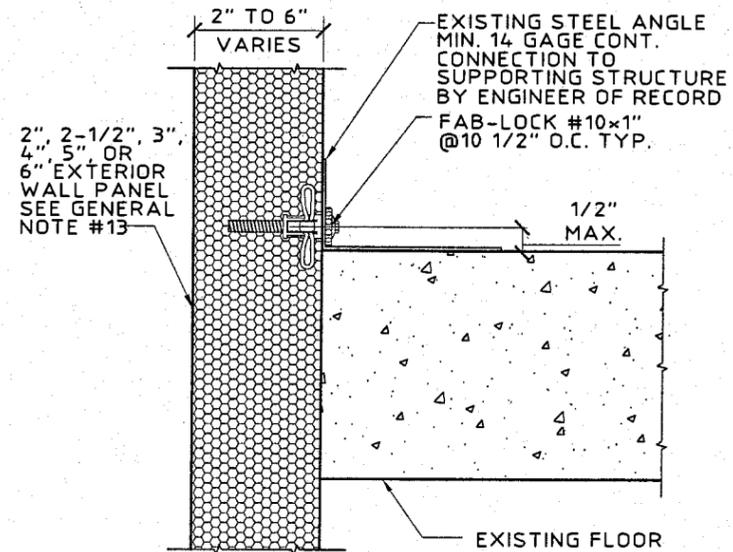
DETAIL 2a
SCALE: 3" = 1' - 0"



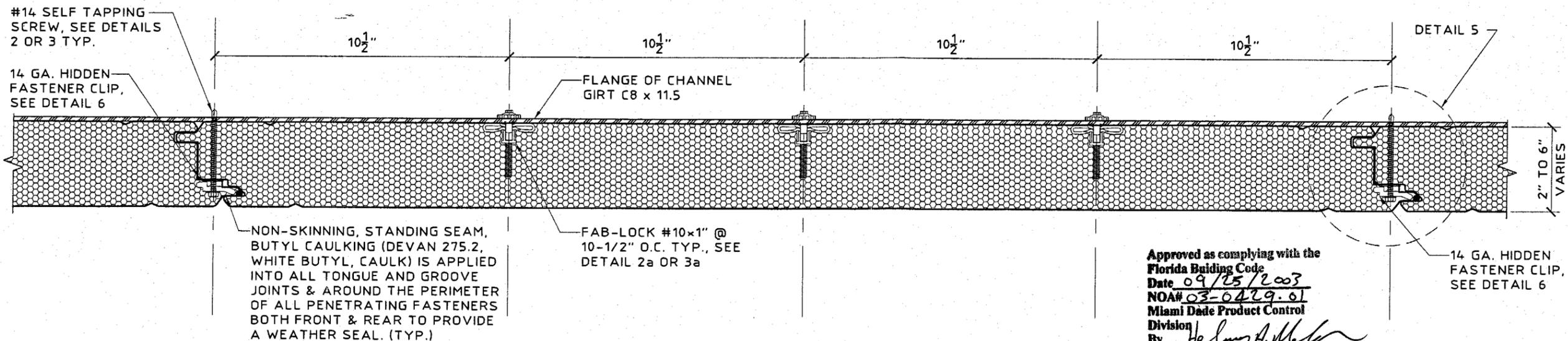
DETAIL 4
SCALE: 3" = 1' - 0"



DETAIL 3
SCALE: 3" = 1' - 0"

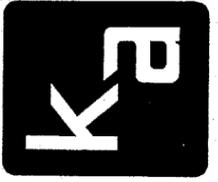


DETAIL 3a
SCALE: 3" = 1' - 0"



COMPOSITE WALL PANEL TYP. PLAN VIEW WITH FASTENERS
SCALE: 3" = 1' - 0"

Approved as complying with the Florida Building Code
 Date 09/15/2003
 NOAH 03-0429-01
 Miami Dade Product Control
 Division
 By *Helmut A. Weber*



KNEZEVICH & ASSOCIATES, INC.
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V.J. KNEZEVICH
 PROFESSIONAL ENGINEER
 FL License No. PE 0910983

[Signature]
 AUG 27 2003

revisions	
no.	description
0	18/06/03NAZ PREV. DATE: NO. 00-135 COUNTY COMMENTS
1	18/27/030LB

date 03/06/2003
 scale AS NOTED drawn by MCR
 design by NAZ checked by VJK
 drawing no. 02-429
 sheet 2 of 3

