



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Nebraska Plastics, Inc.
PO Box 45
Cozad, NE 69130

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section 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 Section (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. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Country Estate Fence for HVHZ

APPROVAL DOCUMENT: Drawing No. NP 1270 through NP 1275, titled "Lakeland II/Lakeland IIa, Hollingsworth II/IIA, Lakeview IIa, Melbourne IIa", sheets 1 through 6 of 6, dated 03/04/2012, prepared by Nebraska Plastics, Inc., signed and sealed by Richard Boyette, P.E., 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 Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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 # 08-0125.01 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



Carlos M. Utrera
08/06/2012

NOA No. 12-0416.12
Expiration Date: November 29, 2017
Approval Date: August 16, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **NP 1270** through **NP 1275**, titled "Lakeland II/Lakeland IIA, Hollingsworth II/IIA, Lakeview IIA, Melbourne IIA", sheets 1 through 6 of 6, dated 03/04/2012, prepared by Nebraska Plastics, Inc., signed and sealed by Richard Boyette, P.E.

B. TESTS "Submitted under NOA # 07-0820.1"

1. Test reports on 1) Dynamic Wind Load Testing per FBC TAS 100(A) (modified),
2) Static Load Post Testing per FBC 1714.3.2,
3) Artificial Outdoor Exposure per ASTM G 155,
4) Tensile Testing per ASTM D 638,
5) Rate of Burning per ASTM D 635,
6) Smoke Density per ASTM D 2843,
7) Self Ignition Temperature per ASTM 1929,
along with marked-up drawings and installation diagram of a 6' high PVC fence system, prepared by Architectural Testing, Inc., Report No. **67645.01-119-18**, dated 06/21/2007, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS "Submitted under NOA # 07-0820.11"

1. Fence foundation calculations, dated 10/22/2007, prepared, signed and sealed by Richard Boyette, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

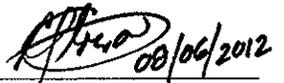
1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC, dated 04/04/2012, signed and sealed by Richard Boyette, P.E.
2. Statement letter of no financial interest, dated 03/05/2012, signed and sealed by Richard Boyette, P.E.

"Submitted under NOA # 07-0820.11"

3. Statement letter of code conformance, dated 07/23/2007, signed and sealed by Richard Boyette, P.E.
4. Statement letter of no financial interest, dated 07/23/2007, signed and sealed by Richard Boyette, P.E.
5. Laboratory code compliance letter for Test Report No. **67645.01-119-18**, issued by Architectural Testing, Inc., dated 06/21/2007, signed and sealed by Joseph A. Reed, P.E.


08/06/2012

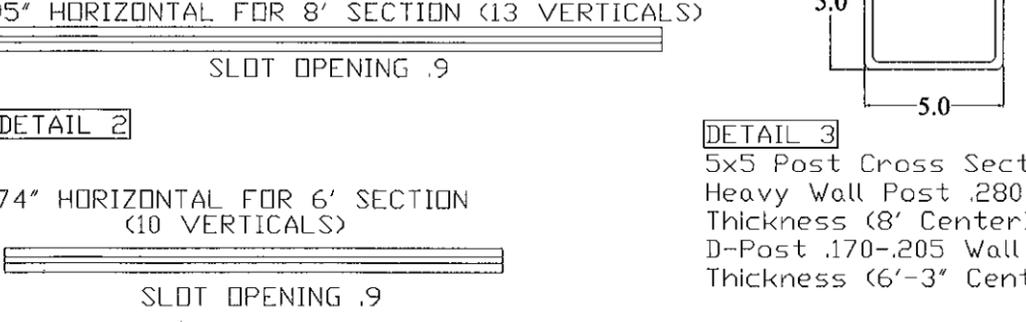
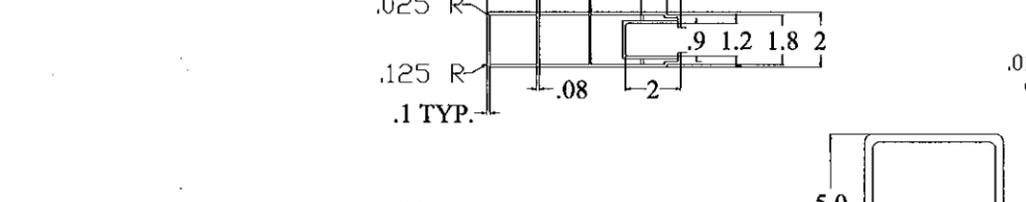
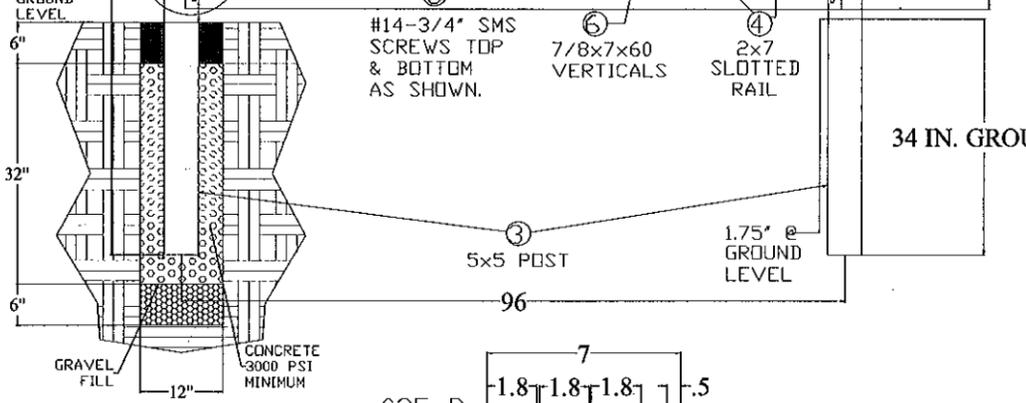
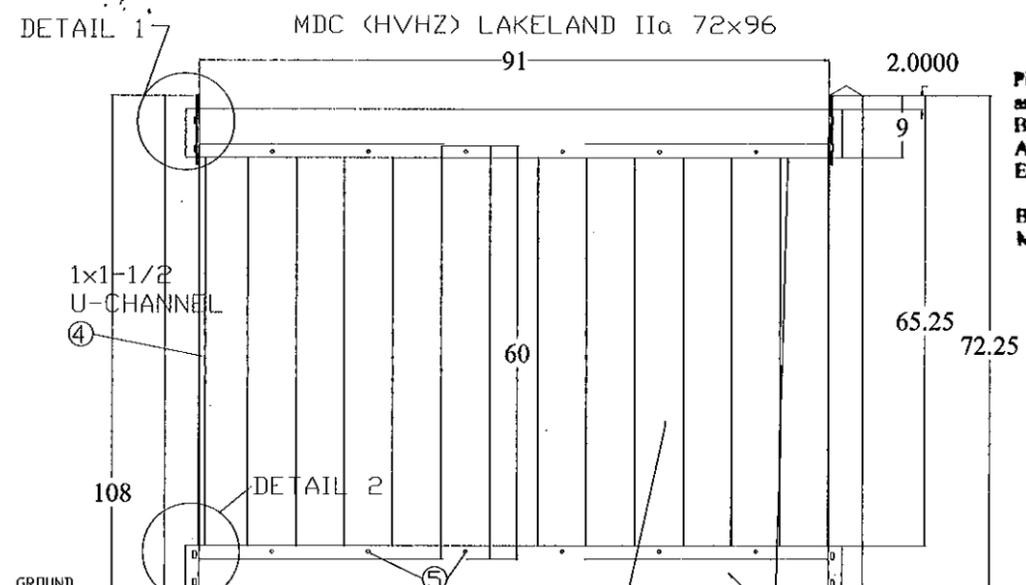
Carlos M. Utrera, P.E.

Product Control Examiner

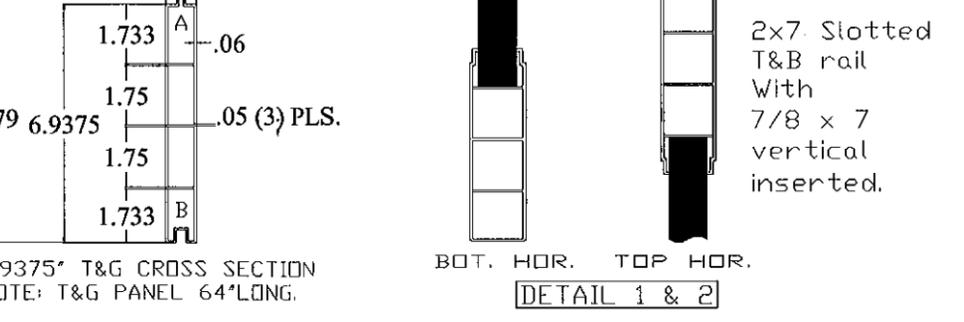
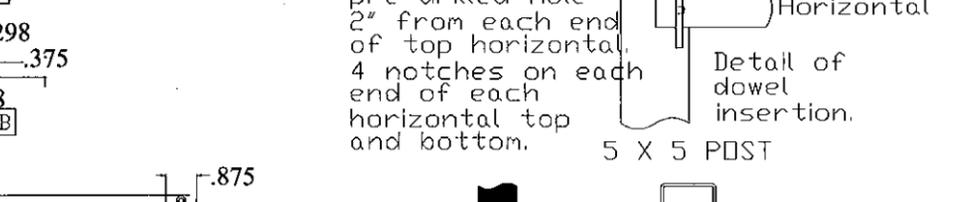
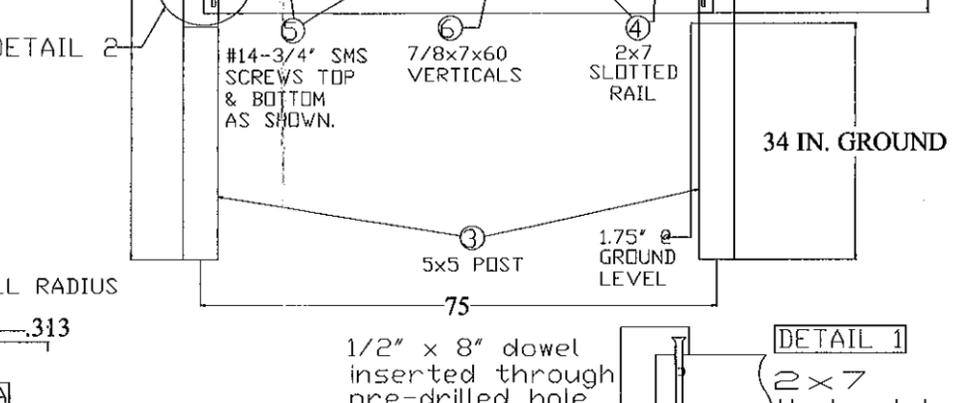
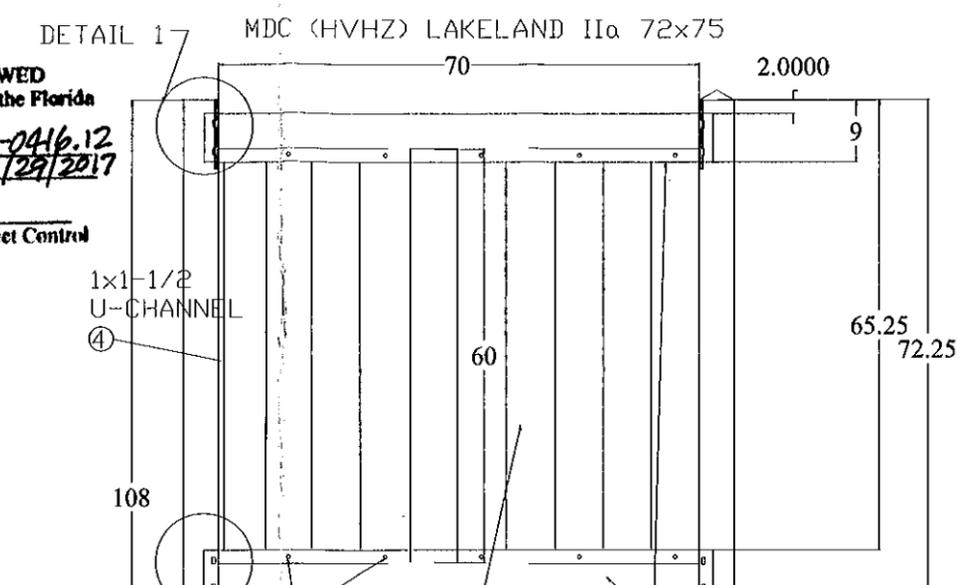
NOA No. 12-0416.12

Expiration Date: November 29, 2017

Approval Date: August 16, 2012



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 12-0416.12
 Expiration Date 11/29/2017
 By *[Signature]*
 Miami Dade Product Control

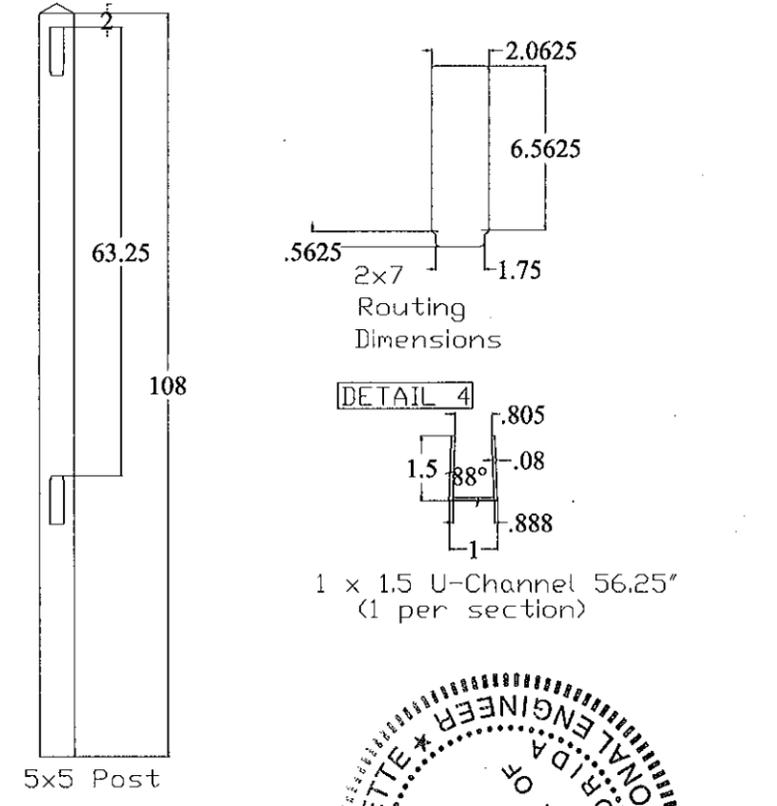


Note: This drawing contains details for fence that will be installed on a High Velocity Hurricane Zone (HVHZ).

Note: This fence system is designed to withstand a 75 mph sustained wind and a 115 mph wind gust for 3 seconds in compliance with section 1615.2.1 of the Florida Building code.

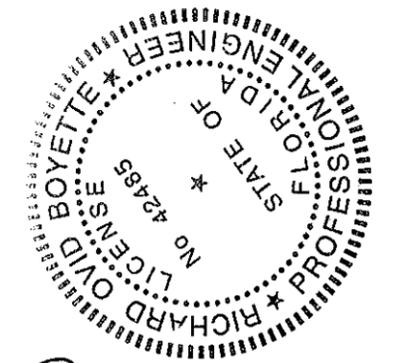
Note: For use in HVHZ only. Use (12-#14x3/4" screws for the 8' fence section and 10-#14x3/4" screws for the 6'3" fence section) screwed directly through the 2 x 7 rail and into the .875 x 7 vertical 60" board 1/2" from the opening of the top and bottom rail as shown on the drawing.

Note: NOA requirements are applicable to heights less than 6 ft, using the same footing specifications for the 6 ft fence.



PVC Material Specifications:		
Description	Test	Properties
Rate of Burning	ASTM D 635	Class CC1
Self Ignition Temperature (Flash Ignition)	ASTM D 1929	741°F>650°F
Self Ignition Temperature (Spontaneous Ignition)	ASTM D 1929	858°F>650°F
Average Smoke Density Rating	ASTM D 2843	65.8<75
Tensile Strength (Difference Exposed and Unexposed)	ASTM D 638	+2%<+10%

Description: (MDC) LAKELAND IIa		
Tolerance	Dwg. #:	Date:
(Unless Noted)	NP 1270	03/04/12
Frctns ±1/32	Sheet #: 1 of 6	Drawn By: Leo Sims
Decimals ±.031	Scale: None	Revision: 3
Angles ±1°	Part #: Refer To Drawing	
	Prod. Lne: PF	Approved By: LLS
	Material: P.V.C.	

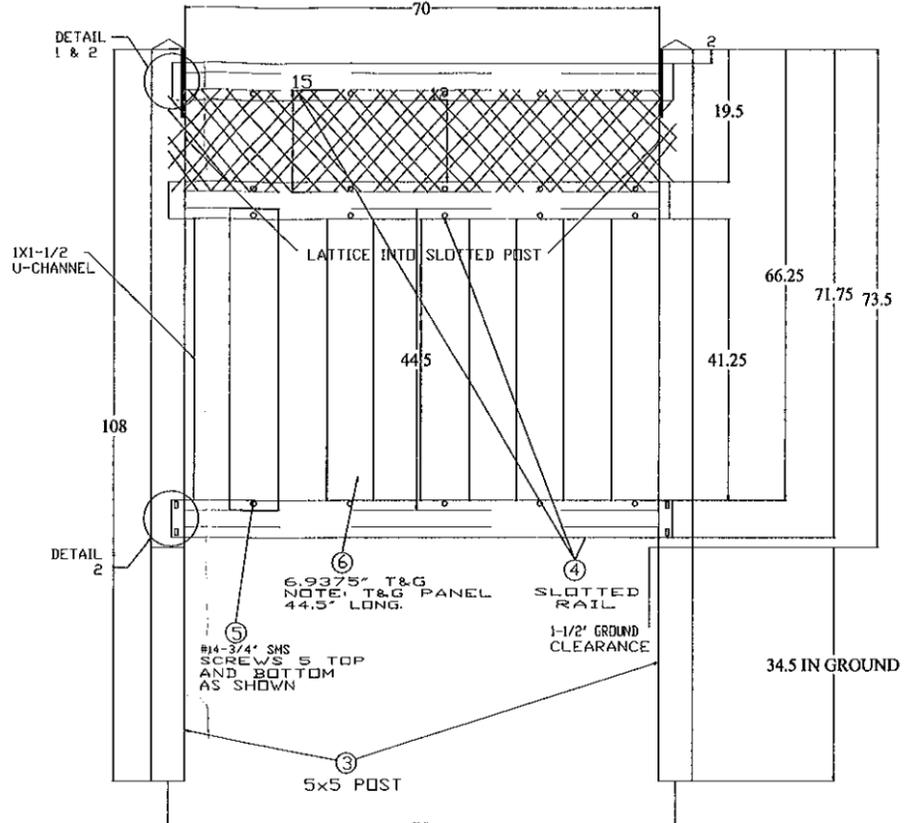
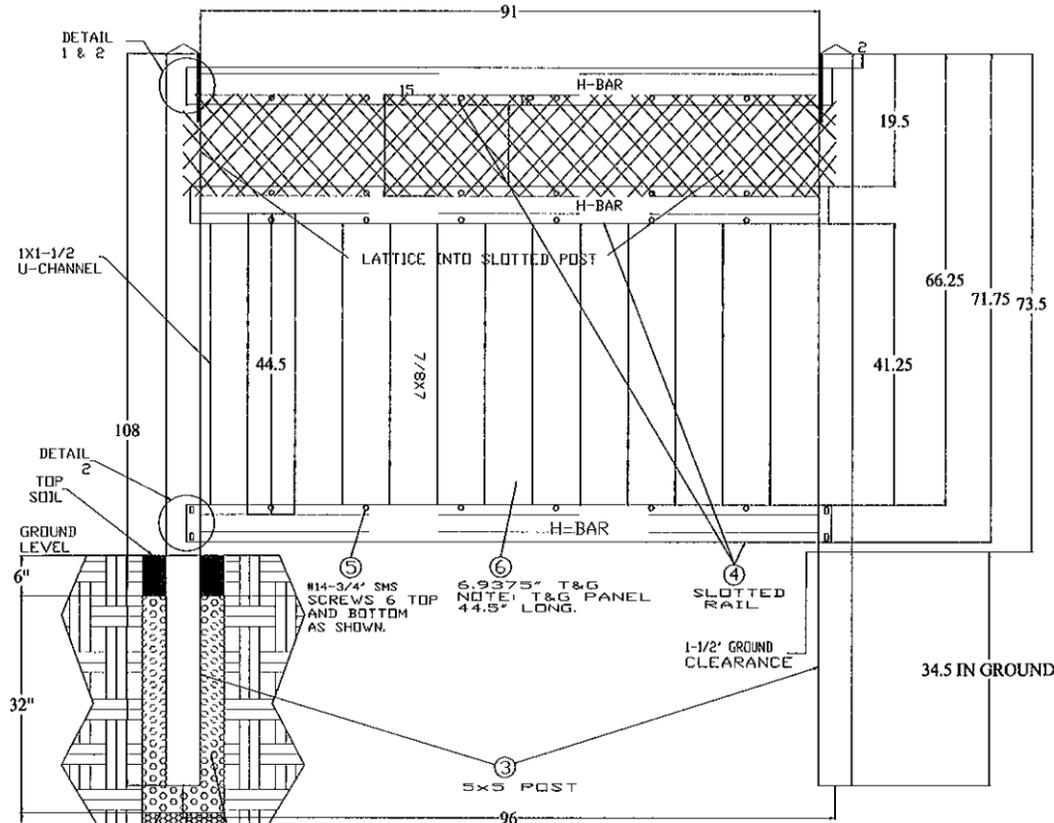


[Signature]
 2010 FBC

APPROVED APR 04 2012

LATTICE DIMS. (15x95")

LATTICE DIMS. (15x74")

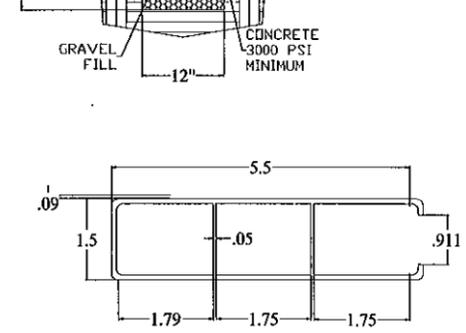


Note: This drawing contains details for fence that will be installed on a High Velocity Hurricane Zone (HVHZ).

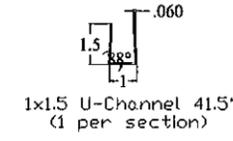
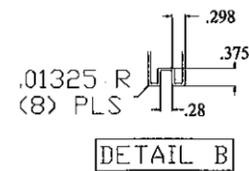
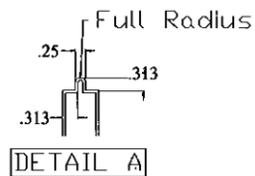
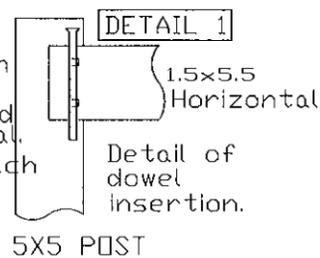
Note: This fence system is designed to withstand a 75 mph sustained wind and a 115 mph wind gust for 3 seconds in compliance with section 1615.2.1 of the Florida Building code.

Note: For use in HVHZ only. Use (28-#14 x 3/4" screws for the 8' fence section and 20-#14x3/4" screws for the 6' 3" fence section) screwed directly through the 1.5 x 5.5 rail and into the .875 x 7 vertical approximately 1/2" from the opening of the top and bottom rail as shown on the drawing.

Note: NOA requirements are applicable to heights less than 6 ft. using the same footing specifications for the 6 ft. fence.

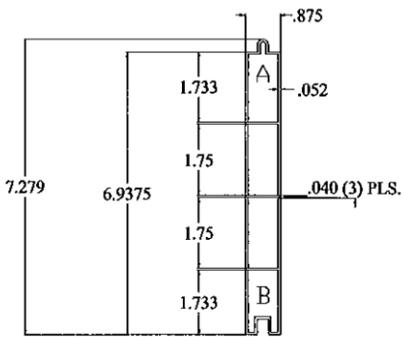
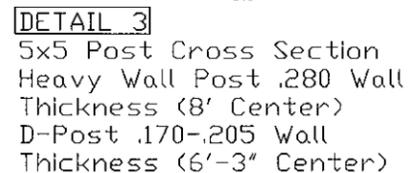


1/2" x 8" dowel inserted through pre-drilled hole 2" from each end of top horizontal. 4 notches on each end of each horizontal top and bottom.

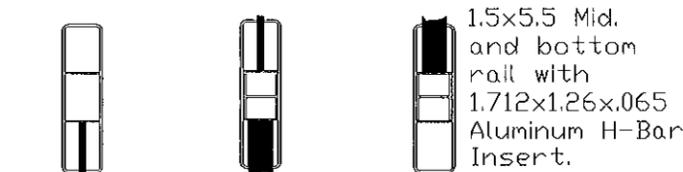


Slotted Rail Cross Section

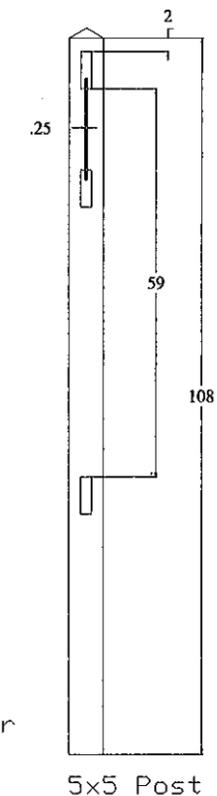
NOTE: Two notches per side at each end. (8 total per rail). The rails are inserted into routed holes on each post held by notches punched into each rail.



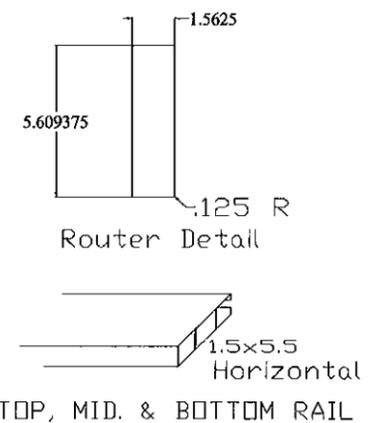
6.9375" T&G CROSS SECTION NOTE: T&G PANEL 44" LONG.



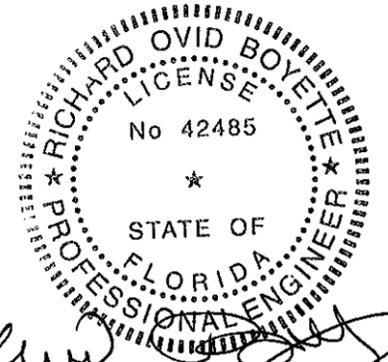
DETAIL 2



5x5 Post



PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 12-9916.12 Expiration Date 11/29/2017 By [Signature] Miami Dade Product Control

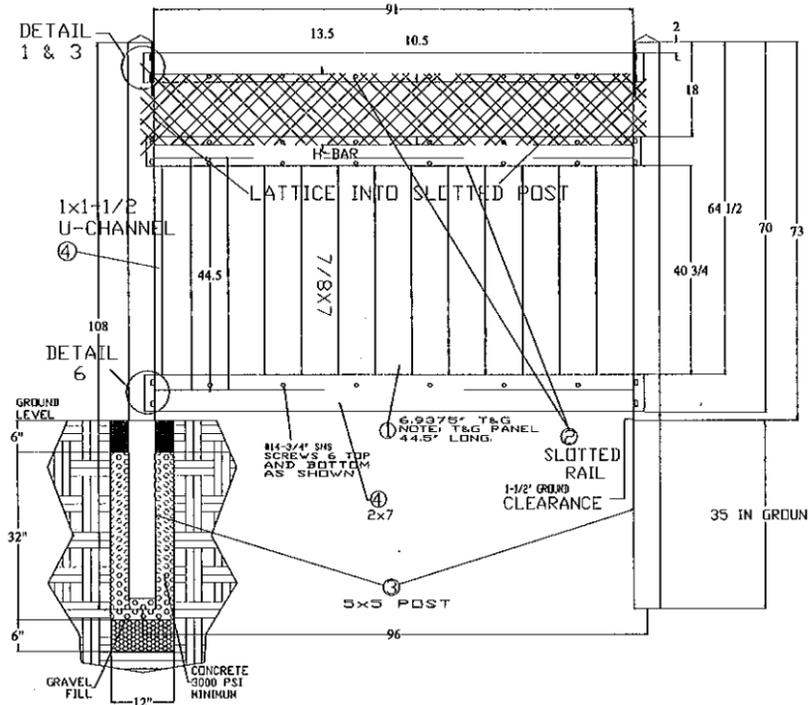


2010 FBC APPROVED APR 04 2012

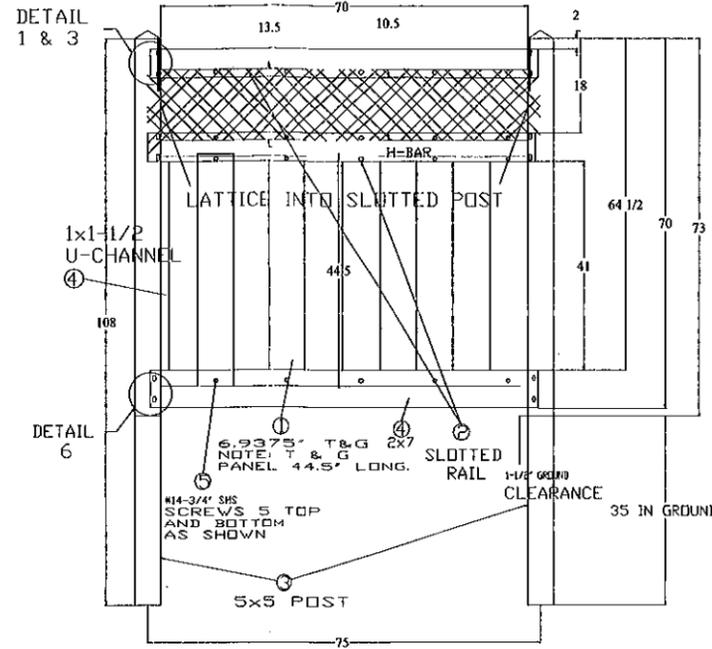


PVC Material Specifications:			Description: (MDC) HOLLINGSWORTH II		
Description	Test	Properties	Tolerance	Dwg. #:	Date:
Rate of Burning	ASTM D 635	Class CC1	(Unless Noted)	NP 1271	03/04/12
Self Ignition Temperature (Flash Ignition)	ASTM D 1929	741°F > 650°F	Fractions ±1/32	Sheet #: 2 of 6	Drawn By: Leo Sims
Self Ignition Temperature (Spontaneous Ignition)	ASTM D 1929	858°F > 650°F	Decimals ±.031	Scale: None	Revision: 3
Average Smoke Density Rating	ASTM D 2843	65.8 < 75	Angles ±1°	Part #: Refer To Drawing	Approved By: LLS
Tensile Strength (Difference Exposed and Unexposed)	ASTM D 638	+2% < +10%		Prod. Lne: PF	Material: P.V.C.

MDC (HVHZ) HOLLINGSWORTH IIA 72x96
LATTICE DIMENSIONS (13.5' X 95')



MDC (HVHZ) HOLLINGSWORTH IIA 72x75
LATTICE DIMENSIONS (13.5' X 74')

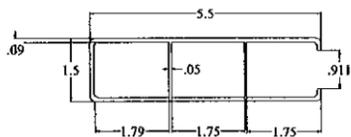
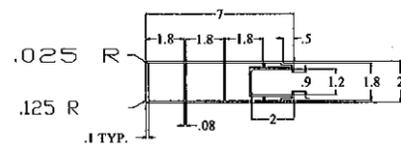


Note: This drawing contains details for fence that will be installed on a High Velocity Hurricane Zone (HVHZ).

Note: This fence system is designed to withstand a 75 mph sustained wind and a 115 mph wind gust for 3 seconds in compliance with section 1615.2.1 of the Florida building code.

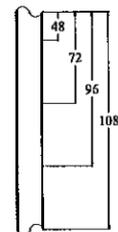
Note: For use in HVHZ only. Use (28 - #14 x 3/4" screws for the 8' fence section and 20 - #14 x 3/4" screws for the 6' 3" fence section) screwed directly through the 1.5 x 5.5 & 2 x 7 rail & Lattice into the 7/8 x 7 vertical approximately 1/2" from the opening of the top and bottom rail as shown on the drawing.

Note: NOA requirements are applicable to heights less than 6 ft. using the same footing specifications for the 6' ft. fence.

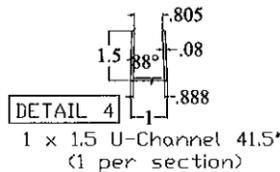


Slotted Rail Cross Section

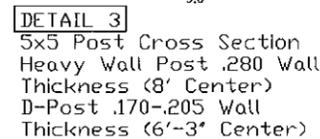
NOTE: Two notches per side at each end (8 total per rail). The rails are inserted into routed holes on each post held by notches punched into each rail.



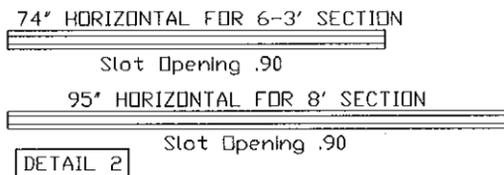
5x5 D-Post Cross Section
.170-.205 Wall Thickness (6'-3" Center)
(Use Same Post Hole Routings As The 5x5 Heavy Wall Post)



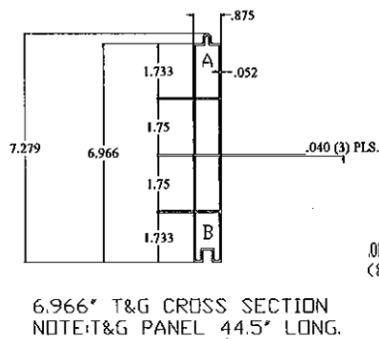
1 x 1.5 U-Channel 41.5"
(1 per section)



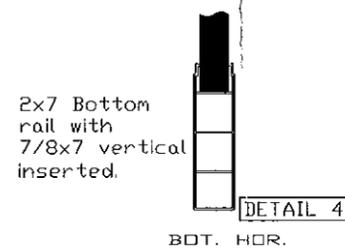
DETAIL 3
5x5 Post Cross Section
Heavy Wall Post .280 Wall Thickness (8' Center)
D-Post .170-.205 Wall Thickness (6'-3" Center)



DETAIL 2

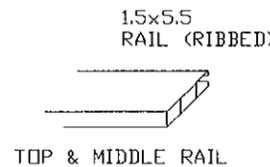


6.966" T&G CROSS SECTION
NOTE: T&G PANEL 44.5" LONG.

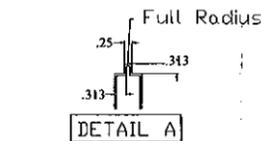


2x7 Bottom rail with 7/8x7 vertical inserted.

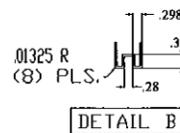
DETAIL 4



1.5x5.5 RAIL (RIBBED)



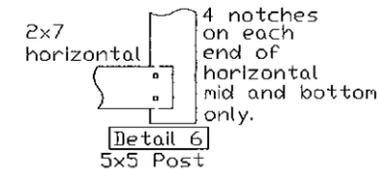
DETAIL A



DETAIL B

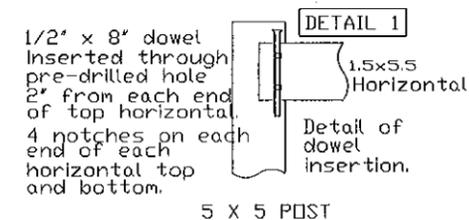


1.5x5.5 Top & Middle Rail with 1.712x1.26x.065 Aluminum H-Bar Insert (Middle Only)



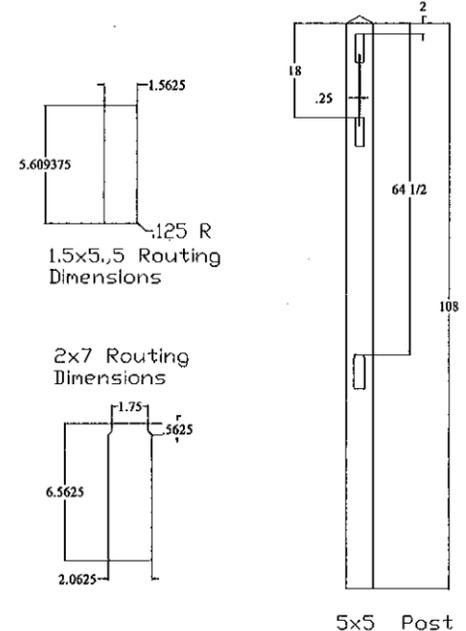
2x7 horizontal
4 notches on each end of horizontal mid and bottom only.

DETAIL 6



1/2" x 8" dowel inserted through pre-drilled hole 2" from each end of top horizontal. 4 notches on each horizontal top and bottom.

DETAIL 1

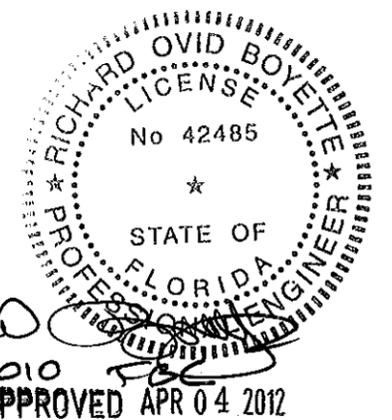


1.5x5.5 Routing Dimensions

2x7 Routing Dimensions

5x5 Post

PRODUCT RENEWED as complying with the Florida Building Code
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By *[Signature]*
Miami Dade Product Control

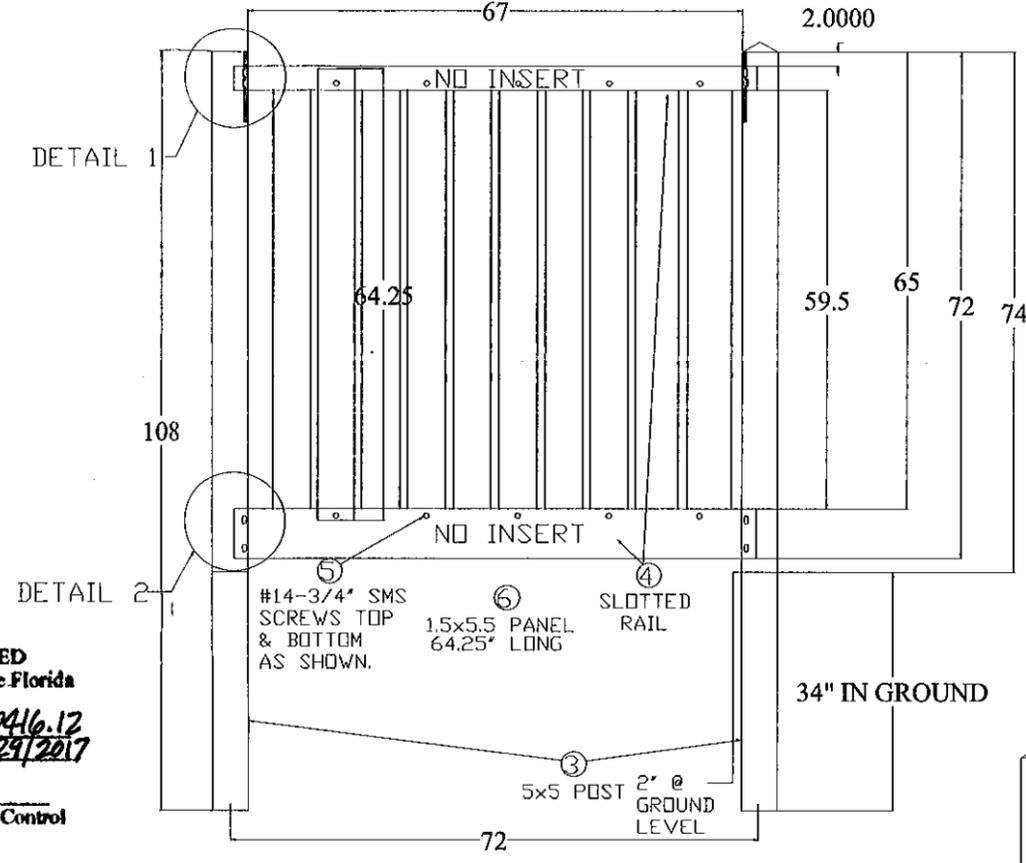
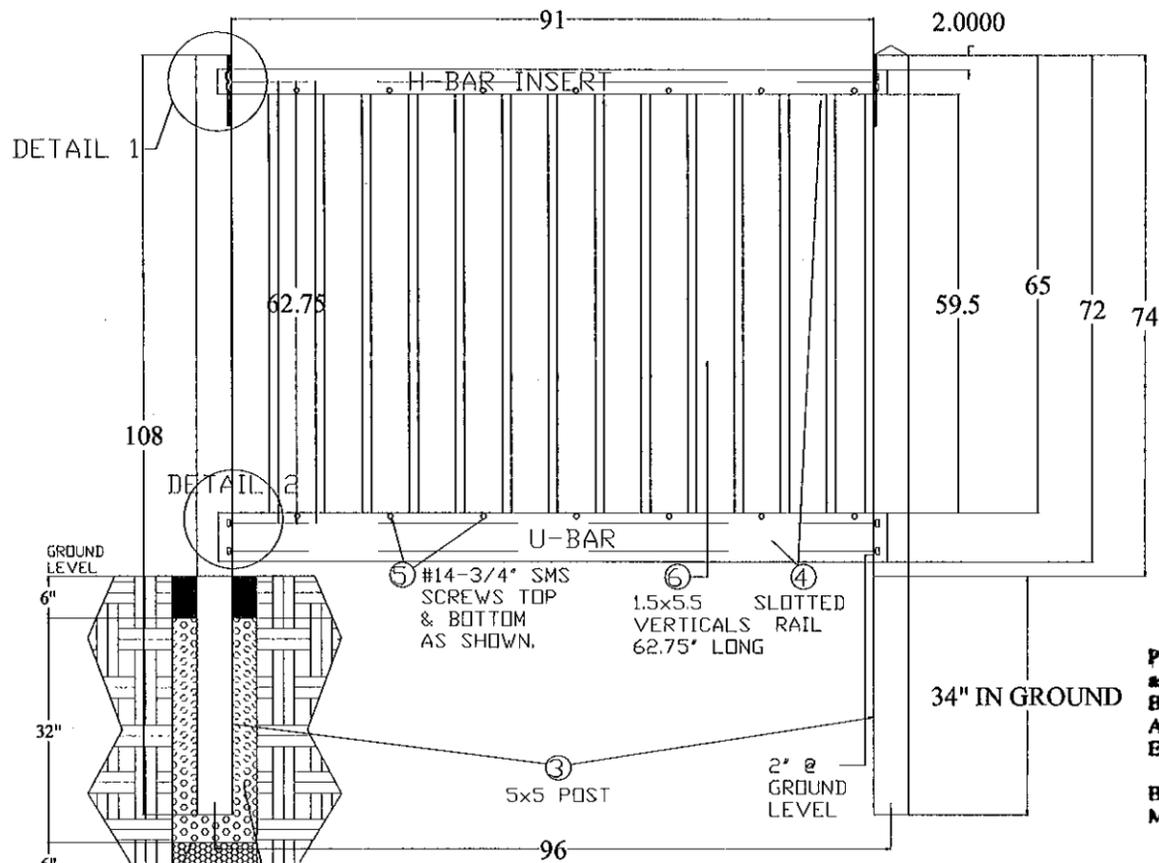


PVC Material Specifications:

Description	Test	Properties
Rate of Burning	ASTM D 635	Class CC1
Self Ignition Temperature (Flash Ignition)	ASTM D 1929	741°F > 650°F
Self Ignition Temperature (Spontaneous Ignition)	ASTM D 1929	858°F > 650°F
Average Smoke Density Rating	ASTM D 2843	65.8 < 75
Tensile Strength (Difference Exposed and Unexposed)	ASTM D 638	+2% < +10%

Description: (MDC) HOLLINGSWORTH IIA			
Tolerance	Dwg. #:	NP 1272	Date: 03/04/2012
(Unless Noted)	Sheet #:	3 of 6	Drawn By: Leo Sims
Fractions ±1/32	Scale:	None	Revision: 3
Decimals ±.031	Part #:	Refer To Drawing	
Angles ±1°	Prod. Lne:	PF	Approved By: LLS
	Material:	P.V.C.	





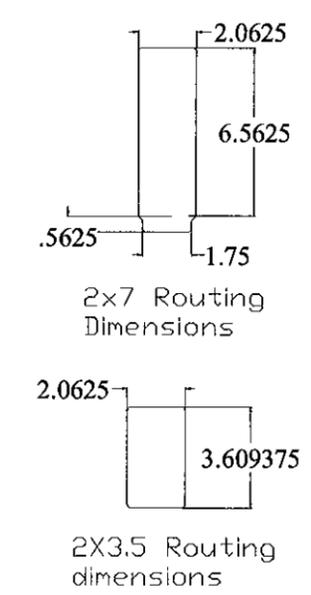
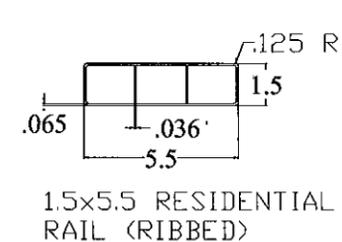
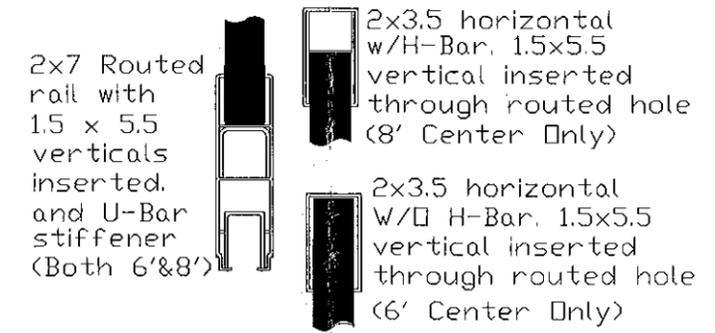
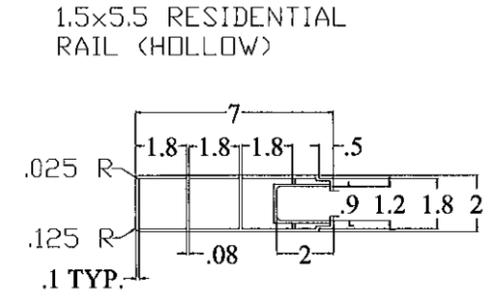
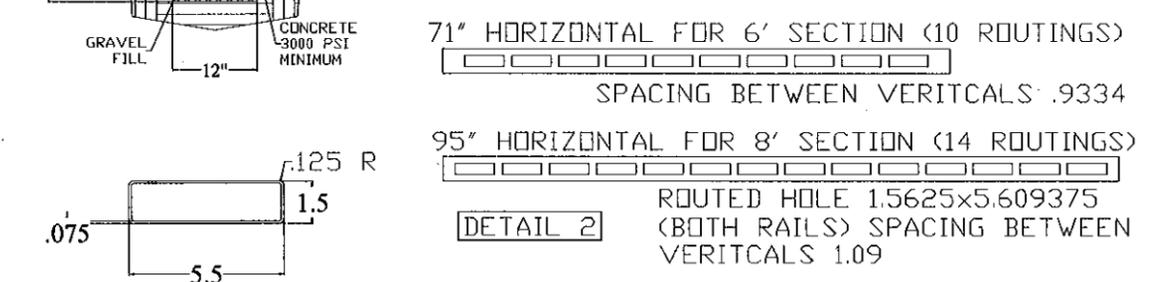
Note: This drawing contains details for fence that will be installed on a High Velocity Hurricane Zone (HVHZ).

Note: This fence system is designed to withstand a 75 mph sustained wind and a 115 mph wind gust for 3 seconds in compliance with section 1615.2.1 of the Florida building code.

Note: For us in HVHZ only. Use (14-#14x3/4" screws for the 8' fence section and 10-#14x3/4" screws for the 6' fence section) screwed directly through the 2x3.5 rail and the 2x7 rail into the 1.5x5.5 approx. 1/2" from the opening of the top and bottom rail as shown on the drawing.

Note: NDA requirements are applicable to heights less than 6 ft, using the same footing specifications for the 6 ft fence.

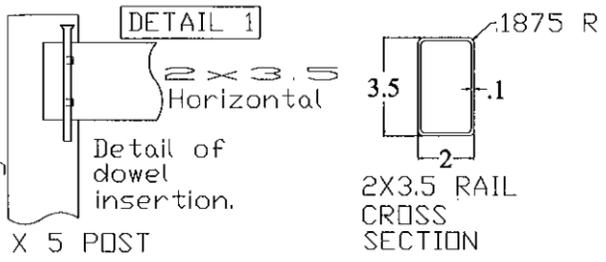
PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 12-0416.12
 Expiration Date 11/29/2017
 By *[Signature]*
 Miami Trade Product Control



DETAIL 3
 5x5 Post Cross Section Heavy Wall Post
 .280 Wall Thickness (8' Center). D-Post
 .170-.205 Wall Thickness (6'3" Center)

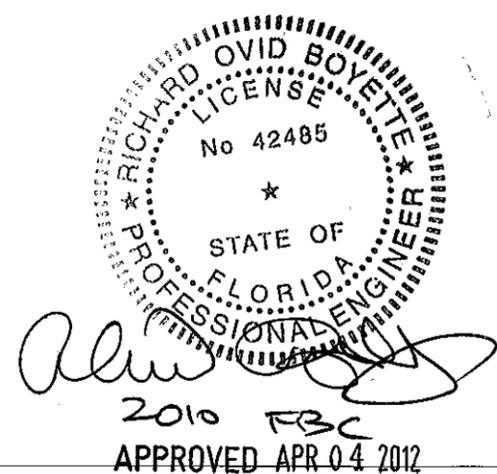
1/2" x 8" dowel inserted through pre-drilled hole 2" from each end of top horizontal.

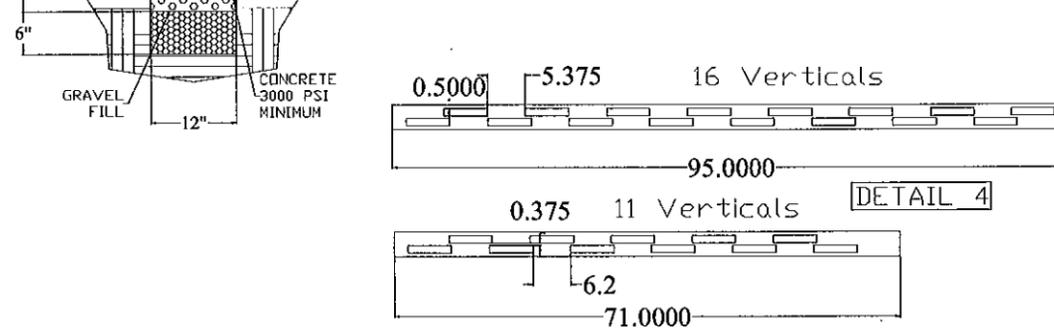
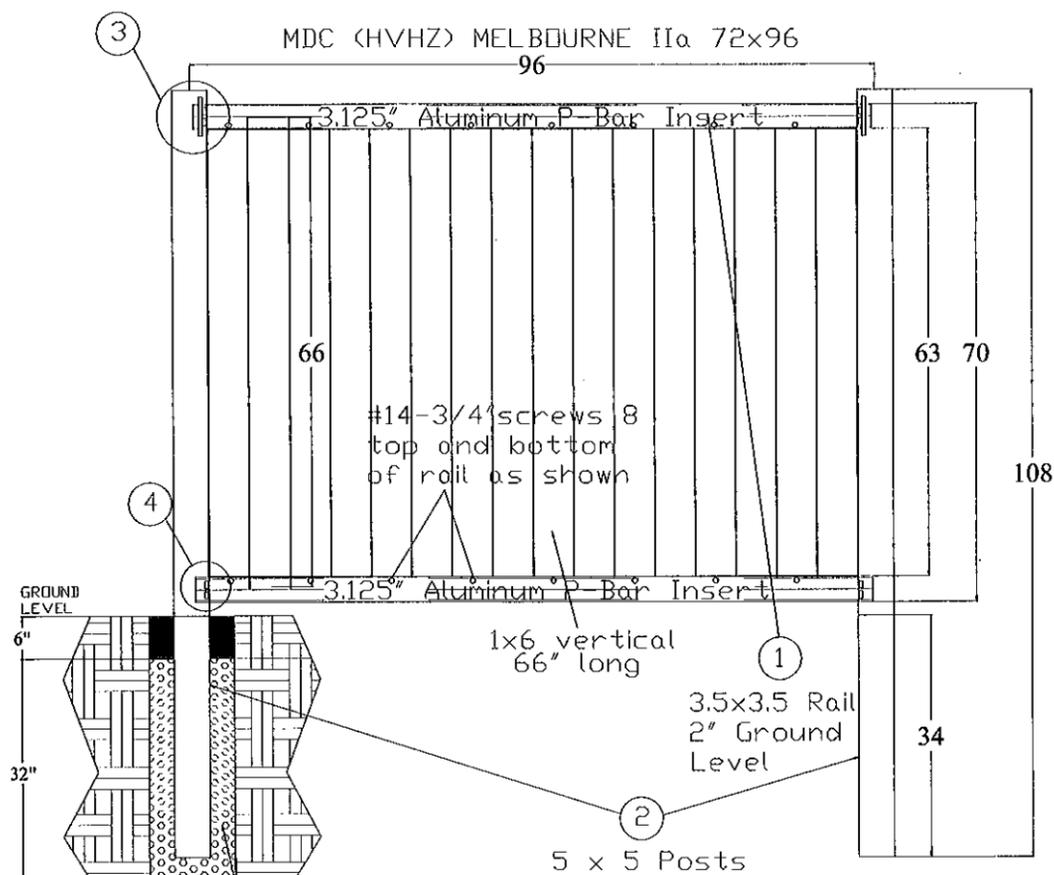
4 notches on each end of each horizontal top and bottom.



PVC Material Specifications:		
Description	Test	Properties
Rate of Burning	ASTM D 635	Class CC1
Self Ignition Temperature (Flash Ignition)	ASTM D 1929	741°F>650°F
Self Ignition Temperature (Spontaneous Ignition)	ASTM D 1929	858°F>650°F
Average Smoke Density Rating	ASTM D 2843	65.8<75
Tensile Strength (Difference Exposed and Unexposed)	ASTM D 638	+2%<+10%

Description: (MDC) LAKEVIEW IIa		
Tolerance (Unless Noted)	Dwg. #: NP 1273	Date: 03/04/2012
Frctns. ±1/32	Sht. #: 4 of 6	Drawn By: Leo Sims
Decimals ±.031	Scale: None	Revision: 3
Angles ±1°	Part #: Refer To Drawing	Approved By: LLS
	Prod. Line: PF	
	Material: P.V.C.	



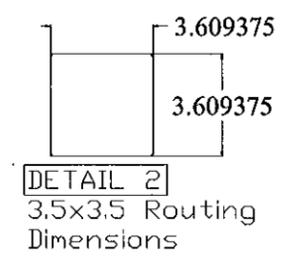
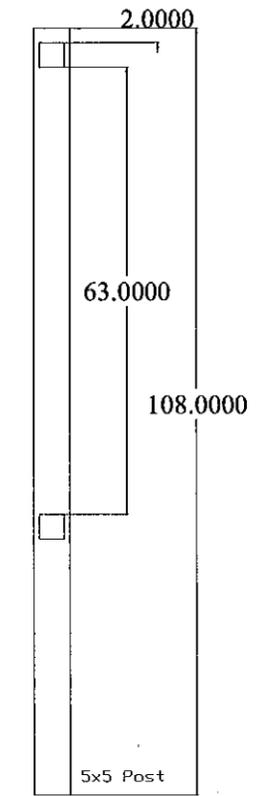
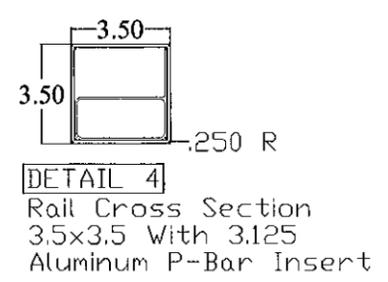
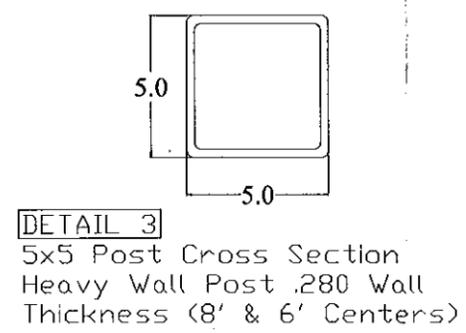
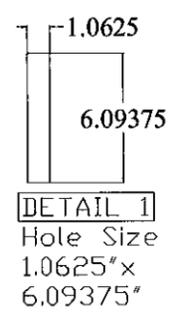
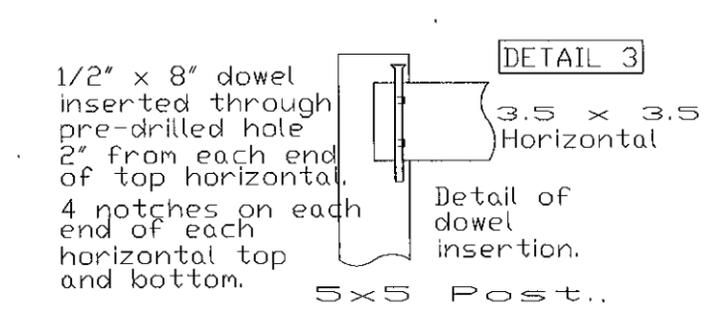


Note: This drawing contains details for fence that will be installed on a High Velocity Hurricane Zone (HVHZ).

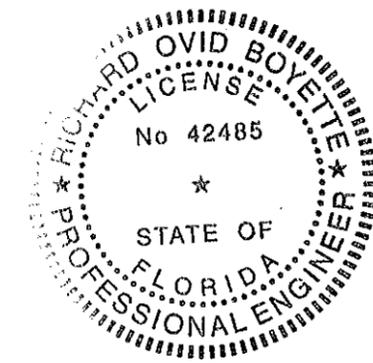
Note: This fence system is designed to withstand a 75 mph sustained wind and a 115 mph wind gust for 3 seconds in compliance with section 1615.2.1 of the Florida building code.

Note: For use in HVHZ only. Use (16-#14x 3/4" screws for the 8' fence section and 12-#14x3/4" screws for the 6' fence section) screwed directly through the 3.5x3.5 rail and into the 6" board 1/2" from the opening of the top and bottom 3.5x3.5 rail as shown on the drawing.

Note: NOA requirements are applicable to heights less than 6 ft, using the same footing specifications for the 6 ft fence.



PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No 12-0416-12
 Expiration Date 11/29/2017
 By *[Signature]*
 Miami Dade Product Control

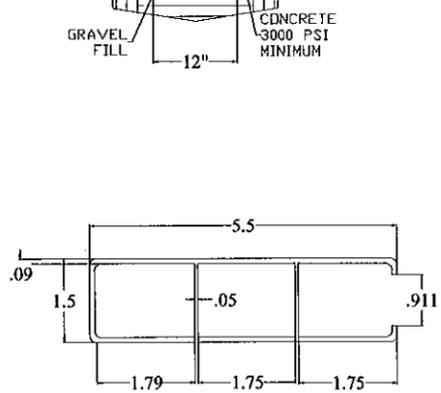
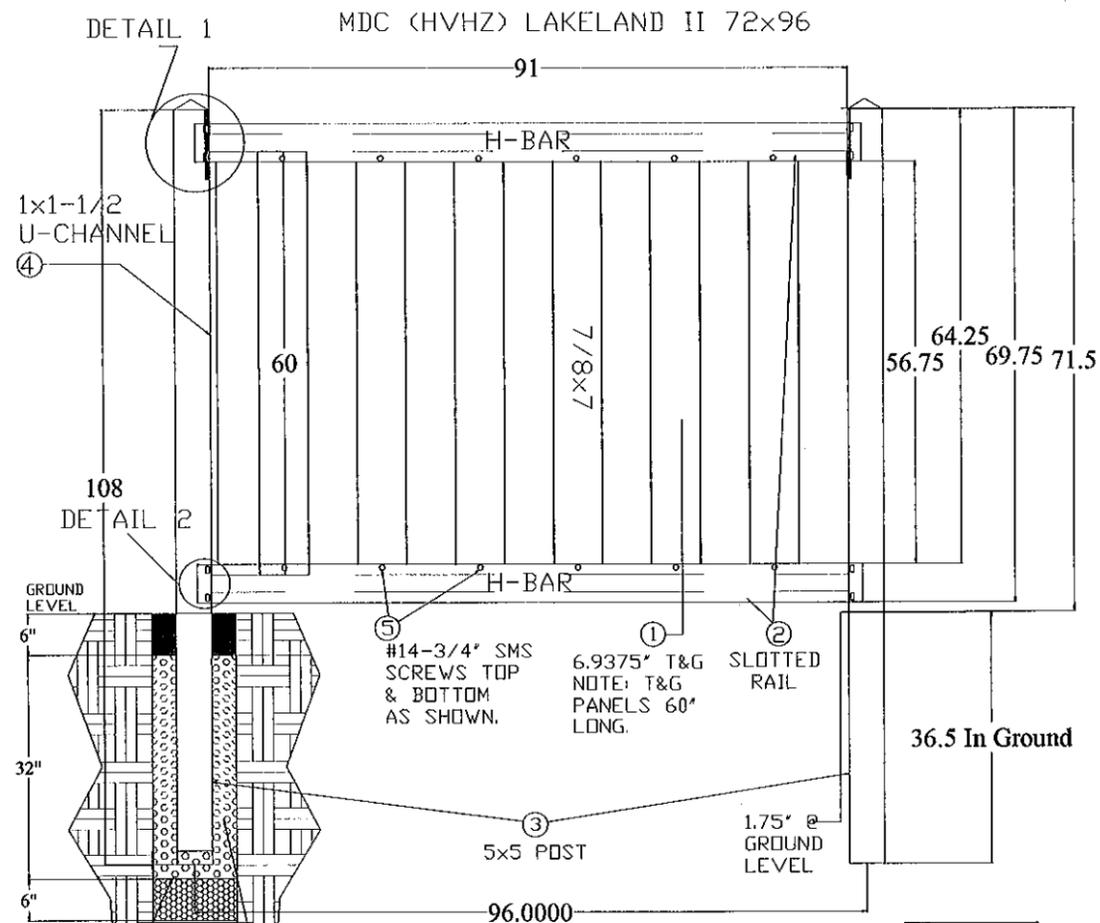


[Signature]
 2010 FEB
 APPROVED APR 04 2012



PVC Material Specifications:		
Description	Test	Properties
Rate of Burning	ASTM D 635	Class CC1
Self Ignition Temperature (Flash Ignition)	ASTM D 1929	741°F>650°F
Self Ignition Temperature (Spontaneous Ignition)	ASTM D 1929	858°F>650°F
Average Smoke Density Rating	ASTM D 2843	65.8<75
Tensile Strength (Difference Exposed and Unexposed)	ASTM D 638	+2%<+10%

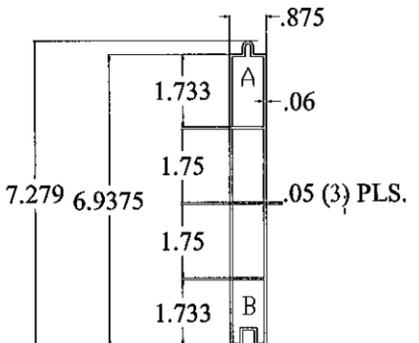
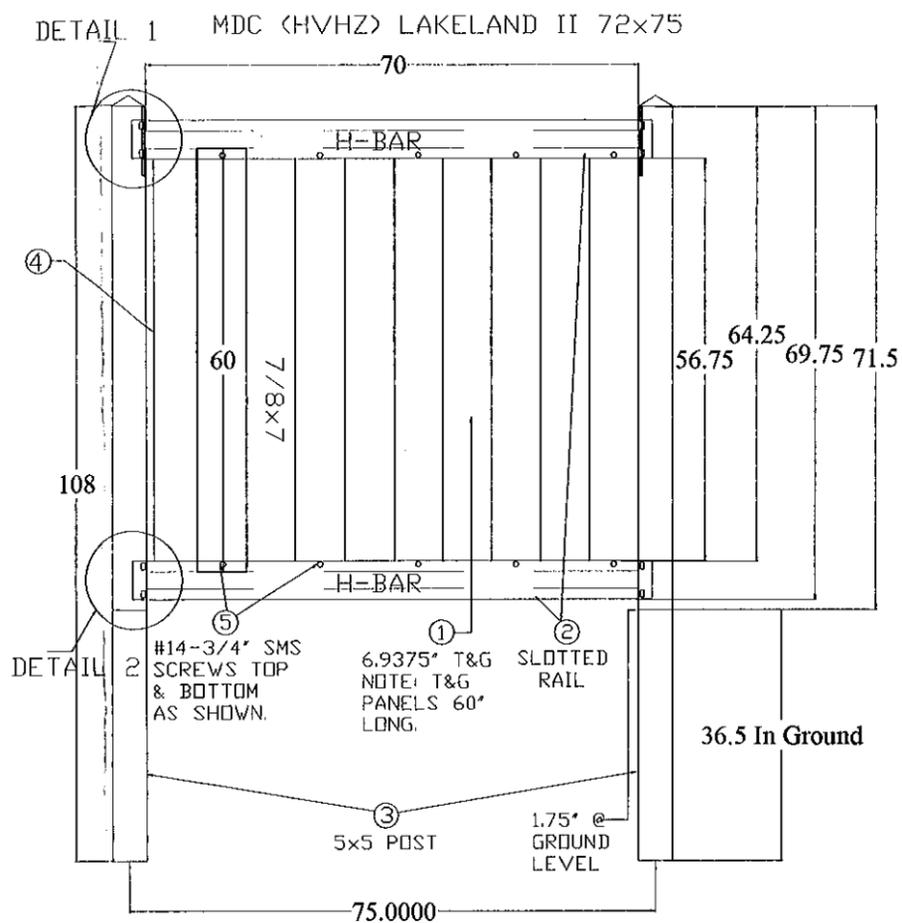
Description: (MDC) MELBOURNE IIa			
Tolerance	Dwg. #:	NP 1274	Date: 03/04/2012
(Unless Noted)	Sheet #:	5 of 6	Drawn By: Leo Sims
Frc'tns. ±1/32	Scale:	None	Revision: 3
Decimals ±0.031	Part #:	Refer To Drawing	
Angles ±1°	Prod. Lne:	PF	Approved By: LLS
	Material:	P.V.C.	



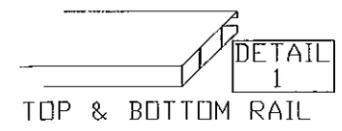
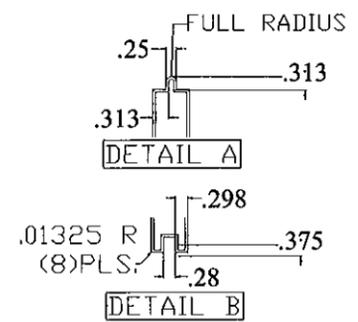
Slotted Rail Cross Section
 NOTE: Two notches per side at each end. (8 total per rail). The rails are inserted into routed holes on each post held by notches punched into each rail.

1/2" x 8" dowel inserted through pre-drilled hole 2" from each end of top horizontal. 4 notches on each end of each horizontal top and bottom.

DETAIL 3
 5x5 Post Cross Section
 Heavy Wall Post .280 Wall Thickness (8' Center)
 D-Post .170-.205 Wall Thickness (6'-3" Center)

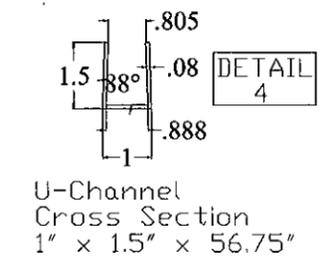
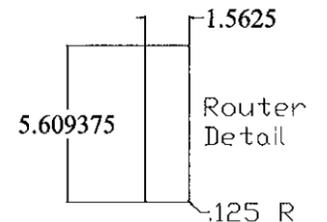
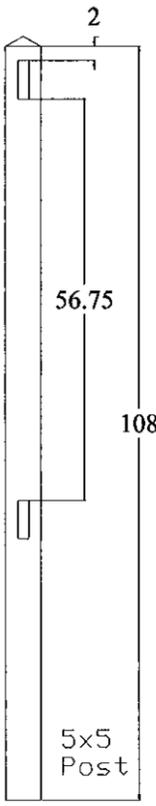


6.9375" T&G CROSS SECTION - NOTE: T&G PANEL 60" LONG



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 Acceptance No 12-0416.12
 Expiration Date 11/29/2017
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DETAIL 2
 1.5x5.5 Top & Bottom Rail with 1.712x1.26x.065 Aluminum H-Bar Insert.



Note: This drawing contains details for fence that will be installed on a High Velocity Hurricane Zone (HVHZ).
 Note: This fence system is designed to withstand a 75 mph sustained wind and a 115 mph wind gust for 3 seconds in compliance with section 1615.2.1 of the Florida building code.
 Note: For use in HVHZ only. Use (12-#14x3/4" screws for the 8' fence section and 10-#14x3/4" screws for the 6' 3" fence section) screwed directly through the slotted rail and into the 6.9375 board 1/2" from the opening of the top and bottom slotted rail as shown on the drawing.
 Note: NDA requirements are applicable to heights less than 6 ft, using the same footing specifications for the 6 ft fence.



PVC Material Specifications:		
Description	Test	Properties
Rate of Burning	ASTM D 635	Class CC1
Self Ignition Temperature (Flash Ignition)	ASTM D 1929	741°F > 650°F
Self Ignition Temperature (Spontaneous Ignition)	ASTM D 1929	858°F > 650°F
Average Smoke Density Rating	ASTM D 2843	65.8 < 75
Tensile Strength (Difference Exposed and Unexposed)	ASTM D 638	+2% < +10%

Description:		(MDC) LAKELAND II	
Tolerance	Dwg. #:	NP 1275	Date: 03/04/2012
(Unless Noted)	Sheet #:	6 of 6	Drawn By: Leo Sims
Frcnts. ±1/32	Scale:	None	Revision: 3
Decimals ±.031	Part #:	Refer To Drawing	
Angles ±1°	Prod. Lne:	PF	Approved By: LLS
	Material:	P.V.C.	



APPROVED APR 04 2012