



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Binnings Pan American
2805 N.E. 185 St.
Miami

FL 33163

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Series PA-20 Aluminum Single Hung Window - Impact & Non-Impact

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 00-0225.04

Expires: 03/13/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 05/05/2000

1 of 3



Binnings Pan American

ACCEPTANCE No.: 00-0225.04

APPROVED : MAY 05 2000

EXPIRES : March 13, 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** the Notice of Acceptance No. 96-0716.06, which was issued on March 13, 1997. It approves an aluminum single hung window as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **Series PA-20 Aluminum Single Hung Window - Impact & Non-Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **PA-20PCS**, titled "PA-20 S.H. Installation", Sheets 1 through 4 of 4, dated 7/10/96 revised on 2/11/97, signed and sealed by William M. Meyers, 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications only, as shown in approved drawings.
3.2 For Design Pressure Rating vs. Window Size, see corresponding Comparative Analysis Table for Impact and Non-Impact window, in approved drawings.

4. INSTALLATION

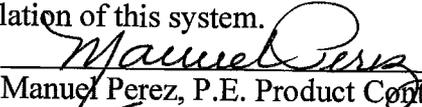
4.1 The aluminum single hung window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

5. LABELING

5.1 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

Binnings Pan American

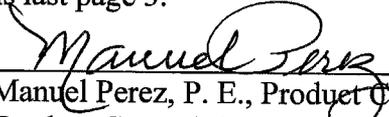
ACCEPTANCE No.: 00-0225.04

APPROVED : MAY 05 2000

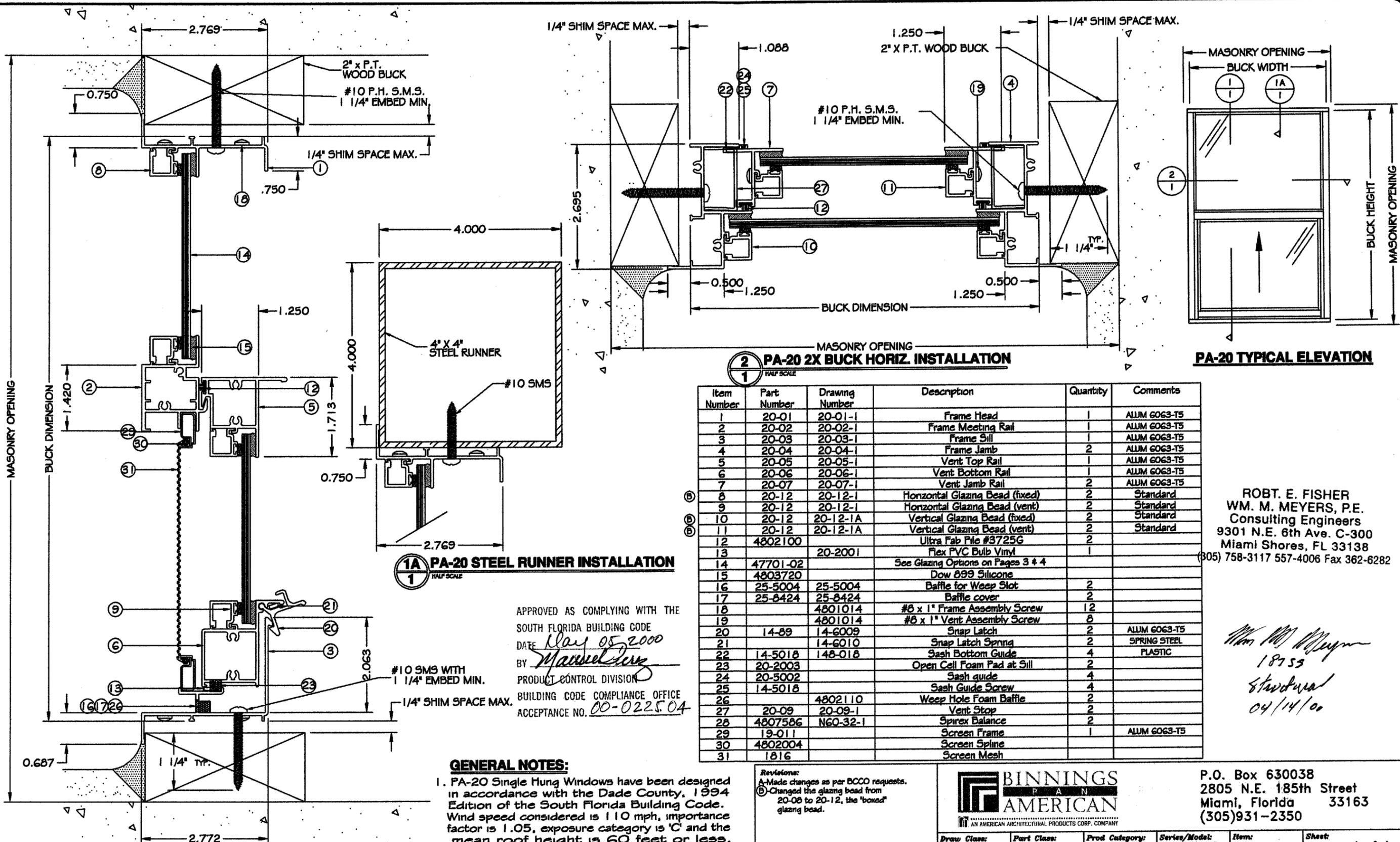
EXPIRES : March 13, 2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.


Manuel Perez, P. E., Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



2 PA-20 2X BUCK HORIZ. INSTALLATION
1/2 SCALE

Item Number	Part Number	Drawing Number	Description	Quantity	Comments
1	20-01	20-01-1	Frame Head	1	ALUM 6063-T5
2	20-02	20-02-1	Frame Meeting Rail	1	ALUM 6063-T5
3	20-03	20-03-1	Frame Sill	1	ALUM 6063-T5
4	20-04	20-04-1	Frame Jamb	2	ALUM 6063-T5
5	20-05	20-05-1	Vent Top Rail	1	ALUM 6063-T5
6	20-06	20-06-1	Vent Bottom Rail	1	ALUM 6063-T5
7	20-07	20-07-1	Vent Jamb Rail	2	ALUM 6063-T5
8	20-12	20-12-1	Horizontal Glazing Bead (fixed)	2	Standard
9	20-12	20-12-1	Horizontal Glazing Bead (vent)	2	Standard
10	20-12	20-12-1A	Vertical Glazing Bead (fixed)	2	Standard
11	20-12	20-12-1A	Vertical Glazing Bead (vent)	2	Standard
12	4802100		Ultra Fab File #3725G	2	
13		20-2001	Flex PVC Bulb Vinyl	1	
14	47701-02		See Glazing Options on Pages 3 & 4		
15	4803720		Dow 899 Silicone		
16	25-5004	25-5004	Baffle for Weep Slot	2	
17	25-8424	25-8424	Baffle cover	2	
18		4801014	#8 x 1" Frame Assembly Screw	12	
19		4801014	#8 x 1" Vent Assembly Screw	8	
20	14-89	14-6009	Snap Latch	2	ALUM 6063-T5
21		14-6010	Snap Latch Spring	2	SPRING STEEL
22	14-5018	14-8-018	Sash Bottom Guide	4	PLASTIC
23	20-2003		Open Cell Foam Pad at Sill	2	
24	20-5002		Sash guide	4	
25	14-5018		Sash Guide Screw	4	
26		4802110	Weep Hole Foam Baffle	2	
27	20-09	20-09-1	Vent Stop	2	
28	4807586	NGO-32-1	Spirex Balance	2	
29	19-011		Screen Frame	1	ALUM 6063-T5
30	4802004		Screen Spline		
31	1816		Screen Mesh		

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE May 05, 2000
 BY Manuel...
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0225.04

- GENERAL NOTES:**
- PA-20 Single Hung Windows have been designed in accordance with the Dade County, 1994 Edition of the South Florida Building Code. Wind speed considered is 110 mph, importance factor is 1.05, exposure category is 'C' and the mean roof height is 60 feet or less.
 - Buck systems must withstand loads imposed by the wind loads and glazing system. Buck systems are the responsibility of others.
 - Units glazed with SentryGlas are Hurricane protective systems. Units glazed with standard glass require a hurricane protective system.

ROBT. E. FISHER
 WM. M. MEYERS, P.E.
 Consulting Engineers
 9301 N.E. 6th Ave. C-300
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 (305) 758-3117 557-4006 Fax 362-6282

Manuel...
 18953
Structural
 04/14/00

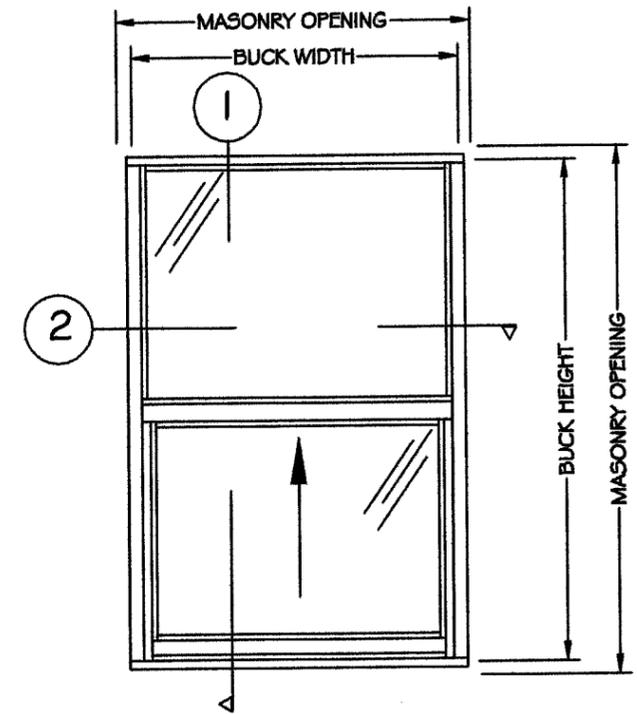
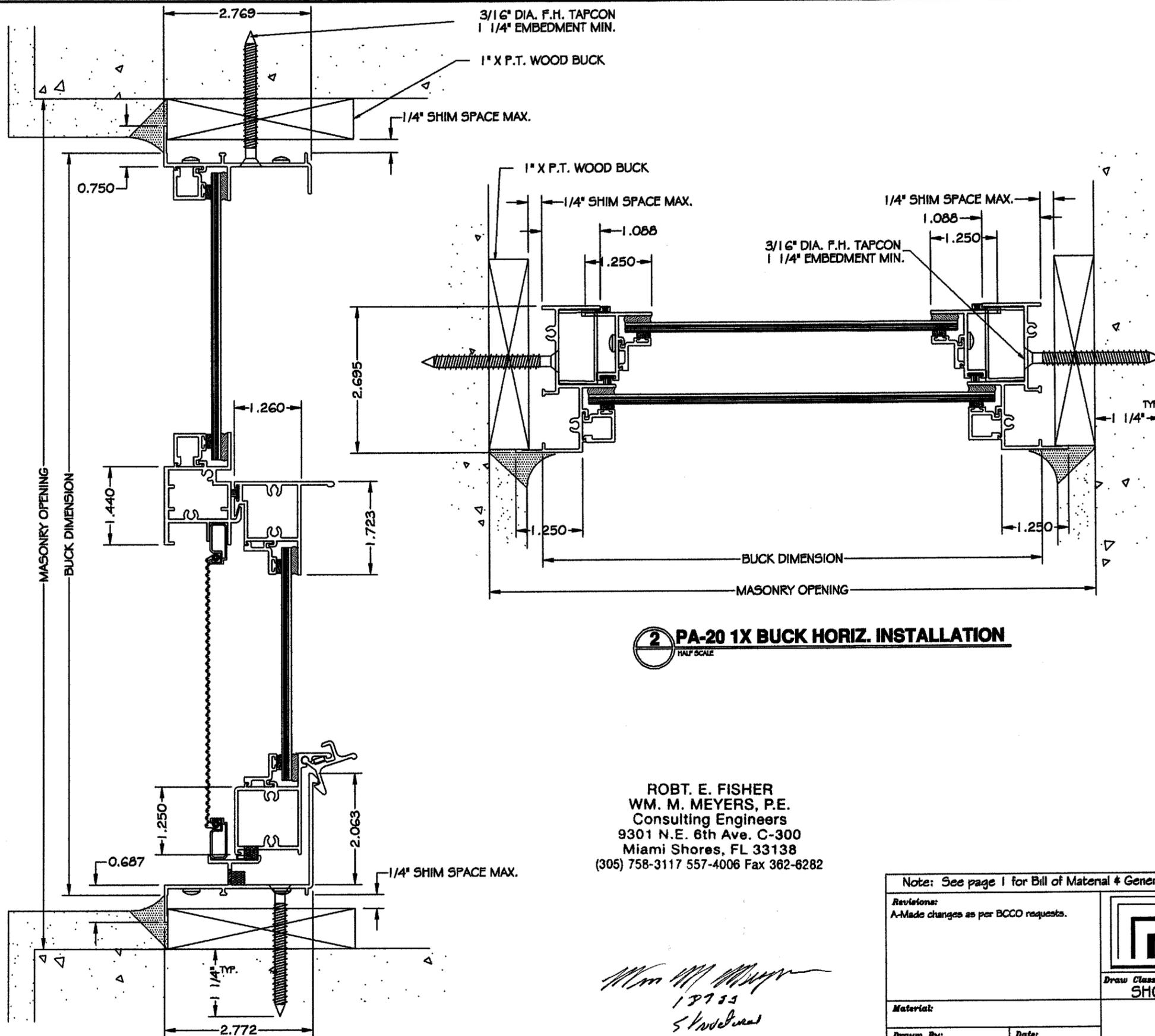


P.O. Box 630038
 2805 N.E. 185th Street
 Miami, Florida 33163
 (305)931-2350

Draw Class: SHOP	Part Class:	Prod Category: S.H.	Series/Model: PA-20	Item:	Sheet: 1 of 4
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PA-20 S.H. INSTALLATION

Material:	Drawn By: PJS	Date: 7/10/96	Revised By: HMM	Date: 1/15/99	Part Number:	Drawing Number: PA-20PCS	Revision Level: B
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PA-20 TYPICAL ELEVATION

2 PA-20 1X BUCK HORIZ. INSTALLATION
HALF SCALE

1 PA-20 1X BUCK VERT. INSTALLATION
HALF SCALE

ROBT. E. FISHER
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Consulting Engineers
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Man M. Meyer
18733
S. K. Meyer
09/14/00

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *May 05, 2000*
BY *Manuel Perry*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0225-04*

Note: See page 1 for Bill of Material & General Notes							
Revisions: A-Made changes as per BCCO requests.				P.O. Box 630038 2805 N.E. 185th Street Miami, Florida 33163 (305)931-2350			
Draw Class: SHOP	Part Class:			Prod. Category: S.H.	Series/Model: PA-20	Item:	Sheet: 2 of 4
Material:		PA-20 S.H. INSTALLATION					
Drawn By: PJS	Date: 7/10/96						
Revised By: PJS	Date: 2/11/97	Part Number:	Drawing Number: PA-20PCS2	Revision Level: A			

PA-20.01 Single Hung Window

3/16" Annealed or Tempered Glazing

Note: The installation of this unit will require a hurricane protective system.

Call Size	Buck Width	Buck Height	Typical Jamb Fastener Spacing	Typical Head & Sill Fastener Spacing	Results	
					+ Pressure	- Pressure
12	18.125	25.000	15"	8 1/8"	66.67	-239.71
13	18.125	37.375	13 13/16"	8 1/8"	66.67	-206.35
14	18.125	49.625	13 1/4"	8 1/8"	66.67	-189.72
15	18.125	62.000	13"	8 1/8"	66.67	-179.59
16	18.125	73.187	15 3/4"	8 1/8"	66.67	-173.38
22	36.000	25.000	15"	13"	66.67	-170.71
23	36.000	37.375	13 13/16"	13"	66.67	-137.35
24	36.000	49.625	13 1/4"	13"	66.67	-120.72
25	36.000	62.000	13"	13"	66.67	-105.10
26	36.000	73.187	15 3/4"	13"	66.67	-88.07
H32	25.500	25.000	15"	15 1/2"	66.67	-199.52
H33	25.500	37.375	13 13/16"	15 1/2"	66.67	-166.16
H34	25.500	49.625	13 1/4"	15 1/2"	66.67	-149.53
H35	25.500	62.000	13"	15 1/2"	66.67	-139.40
H36	25.500	73.187	15 3/4"	15 1/2"	66.67	-126.58
32	52.125	25.000	15"	14"	66.67	-126.72
33	52.125	37.375	13 13/16"	14"	66.67	-115.71
34	52.125	49.625	13 1/4"	14"	66.67	-91.14
35	52.125	62.000	13"	14"	66.67	-71.64
36	52.125	73.187	15 3/4"	14"	60.03	-60.03

PA-20.02 Single Hung Window

1/8" (DSB) Annealed or Tempered Glazing

Note: The installation of this unit will require a hurricane protective system.

Call Size	Buck Width	Buck Height	Typical Jamb Fastener Spacing	Typical Head & Sill Fastener Spacing	Results	
					+ Pressure	- Pressure
12	18.125	25.000	15"	8 1/8"	66.67	-186.35
13	18.125	37.375	13 13/16"	8 1/8"	66.67	-160.42
14	18.125	49.625	13 1/4"	8 1/8"	66.67	-143.99
15	18.125	62.000	13"	8 1/8"	66.67	-113.19
16	18.125	73.187	15 3/4"	8 1/8"	66.67	-94.86
22	36.000	25.000	15"	13"	66.67	-132.71
23	36.000	37.375	13 13/16"	13"	66.67	-95.04
24	36.000	49.625	13 1/4"	13"	66.67	-69.45
25	36.000	62.000	13"	13"	54.61	-54.61

PA-20.03 Single Hung Window

3/32" (SSB) Annealed or Tempered Glazing

Note: The installation of this unit will require a hurricane protective system.

Call Size	Buck Width	Buck Height	Typical Jamb Fastener Spacing	Typical Head & Sill Fastener Spacing	Results	
					+ Pressure	- Pressure
12	18.125	25.000	15"	8 1/8"	66.67	-151.10
13	18.125	37.375	13 13/16"	8 1/8"	66.67	-130.07
14	18.125	49.625	13 1/4"	8 1/8"	66.67	-101.38
15	18.125	62.000	13"	8 1/8"	66.67	-79.69
16	18.125	73.187	15 3/4"	8 1/8"	66.67	-66.79
22	36.000	25.000	15"	13"	66.67	-91.58
23	36.000	37.375	13 13/16"	13"	66.67	-66.91

*NOTE: Fastener spacing is maximum of 6" from each end; spacing as indicated.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE May 05, 2000
BY Manuel Serrano
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0225-04

ROBT. E. FISHER
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Manuel Serrano
19755
Structural 04/14/00

Non-impact resistant windows.
Units glazed with standard annealed or tempered glass must have a hurricane protective system to meet the South Florida Building Code.
For impact resistant windows, refer to page 4.



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2805 N.E. 185th Street
Miami, Florida 33163
(305)931-2350

Revisions:	Draw Class: SHOP	Part Class:	Prod Category: S.H.	Series/Model: PA-20	Item:	Sheet: 3 of 4	
Material:	PA-20 Specific Conditions						
Drawn By: KCP							Date: 2/1/97
Revised By:							Date:

PA-20.04 Single Hung Window

3/16" Impact Glazing (Sentry Glass 457)

Note: This product is a hurricane protective system.

Call Size	Buck Width	Buck Height	Typical Jamb Fastener Spacing	Typical Head & Sill Fastener Spacing	Results	
					+ Pressure	- Pressure
12	18.125	25.000	15"	8 1/8"	66.7	-70.0
13	18.125	37.375	13 13/16"	8 1/8"	66.7	-70.0
14	18.125	49.625	13 1/4"	8 1/8"	66.7	-70.0
15	18.125	62.000	13"	8 1/8"	66.7	-70.0
16	18.125	73.187	15 3/4"	8 1/8"	66.7	-70.0
22	36.000	25.000	15"	13"	66.7	-70.0
23	36.000	37.375	13 13/16"	13"	66.7	-70.0
24	36.000	49.625	13 1/4"	13"	66.7	-70.0
25	36.000	62.000	13"	13"	66.7	-70.0
26	36.000	73.187	15 3/4"	13"	66.7	-70.0
H32	25.500	25.000	15"	15 1/2"	66.7	-70.0
H33	25.500	37.375	13 13/16"	15 1/2"	66.7	-70.0
H34	25.500	49.625	13 1/4"	15 1/2"	66.7	-70.0
H35	25.500	62.000	13"	15 1/2"	66.7	-70.0
H36	25.500	73.187	15 3/4"	15 1/2"	66.7	-70.0
32	52.125	25.000	15"	14"	66.7	-70.0
33	52.125	37.375	13 13/16"	14"	66.7	-70.0
34	52.125	49.625	13 1/4"	14"	66.7	-70.0
35	52.125	62.000	13"	14"	66.7	-70.0
36	52.125	73.187	15 3/4"	14"	60.0	-60.0

Note: Fastener spacing is maximum of 6" from each corner.

PA-20.05 Single Hung Window

1/8" Impact Glazing (Sentry Glass 457)

Note: This product is a hurricane protective system.

Call Size	Buck Width	Buck Height	Typical Jamb Fastener Spacing	Typical Head & Sill Fastener Spacing	Results	
					+ Pressure	- Pressure
12	18.125	25.000	15"	8 1/8"	66.7	-70.0
13	18.125	37.375	13 13/16"	8 1/8"	66.7	-70.0
14	18.125	49.625	13 1/4"	8 1/8"	66.7	-70.0
15	18.125	62.000	13"	8 1/8"	66.7	-70.0
16	18.125	73.187	15 3/4"	8 1/8"	66.7	-70.0
22	36.000	25.000	15"	13"	66.7	-70.0
23	36.000	37.375	13 13/16"	13"	66.7	-70.0
24	36.000	49.625	13 1/4"	13"	66.7	-69.4
25	36.000	62.000	13"	13"	54.6	-54.6
26	36.000	73.187	15 3/4"	13"	45.8	-45.8
H32	25.500	25.000	15"	15 1/2"	66.7	-70.0
H33	25.500	37.375	13 13/16"	15 1/2"	66.7	-70.0
H34	25.500	49.625	13 1/4"	15 1/2"	66.7	-70.0
H35	25.500	62.000	13"	15 1/2"	66.7	-70.0
H36	25.500	73.187	15 3/4"	15 1/2"	65.7	-65.7
32	52.125	25.000	15"	14"	66.7	-70.0
33	52.125	37.375	13 13/16"	14"	64.8	-64.8
34	52.125	49.625	13 1/4"	14"	47.4	-47.4
35	52.125	62.000	13"	14"	37.3	-37.3
36	52.125	73.187	15 3/4"	14"	31.2	-31.2

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE May 05, 2000
BY Manuel Ruiz
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0225-04

ROBT. E. FISHER
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Manuel Ruiz
04/14/97
Standard

Revisions: A-REVISED BUCK WIDTH AND BUCK HEIGHT ON PA-20.04				P.O. Box 630038 2805 N.E. 185th Street Miami, Florida 33163 (305)931-2350	
Draw Class: ENG	Part Class:			Prod Category: S.H.	Series/Model: PA-20
Material:		PA-20 Specific Conditions			
Drawn By: KCP	Date: 2/1/97	Part Number:		Drawing Number: PA-20PCS4	Revision Level: A
Revised By: PJS	Date: 4/2/97				