PALM CITY IRONWORKS

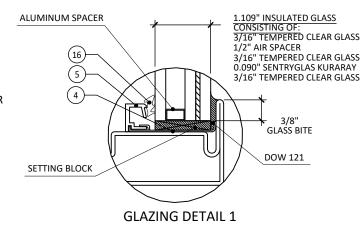
MILANO SERIES CASEMENT WINDOWS (IMPACT) (HVHZ)

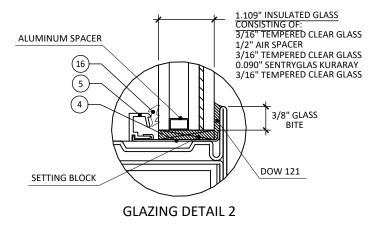
GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94 ASTM E330-02
 - ASTM E283-04
 - ASTM E331-00
 - ASTM E1886-13a
 - ASTM E1996-14a
- 2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X WOOD & STEEL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN. A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT. FOR NON-HVHZ AREA, INSTALLATION TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).
- DEVIATION FROM THIS FLORIDA PRODUCT APPROVAL IN HVHZ AREA REQUIRES A ONE TIME APPROVAL FROM MIAMI-DADE COUNTY RER OR AHJ
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 7. CASEMENT WINDOW MATERIAL: Q235B STEEL
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE CURRENT FBC REQUIREMENTS CHAPTER 20.
- 10. CUSTOM SIZES AVAILABLE UPON REQUEST.

TABLE OF CONTENTS						
SHEET	REVISION	SHEET DESCRIPTION				
1	ı	GENERAL NOTES & GLAZING DETAIL				
2	ı	ELEVATION & ANCHOR LAYOUT				
3	-	ELEVATION & ANCHOR LAYOUT				
4	-	VERTICAL SECTIONS				
5	-	HORIZONTAL SECTIONS				
6	-	INSTALLATION DETAIL & NOTES				
7	-	BILL OF MATERIALS & COMPONENTS				

	DESIGN PRESSURE RATING							
MAX. OVERAL	L FRAME SIZE	DESIGN	MISSILE IMPACT RATING					
WIDTH	HEIGHT	PRESSURE						
36.00"	84.00"	+80.0/-80.0 PSF	SMI/LMI					
36.00"	108.00"	+60.0/-60.0 P3F	SIVII/ LIVII					





GLAZING NOTES:

- 1. GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE EBC. THICKNESS. TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- 4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.



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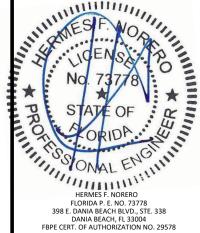
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DROPS, MILANO SERIES CASEMENT WINDOW (IMPACT) (HVHZ)

UILDING 1 398 E. DANIA BEA DANIA BEA

REMARKS BY DATE

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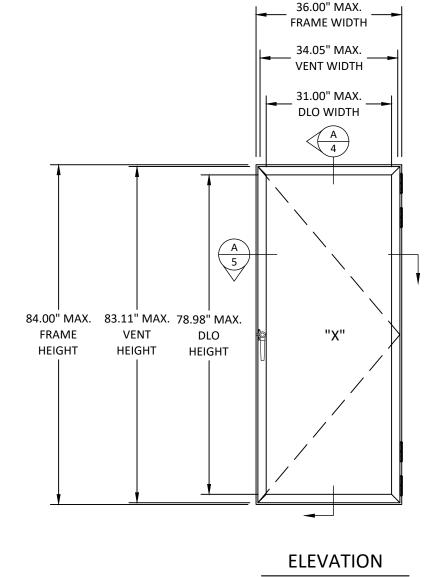
DWG. BY: CHK. BY: JA **HFN**

NTS **PCI009** DWG. #:

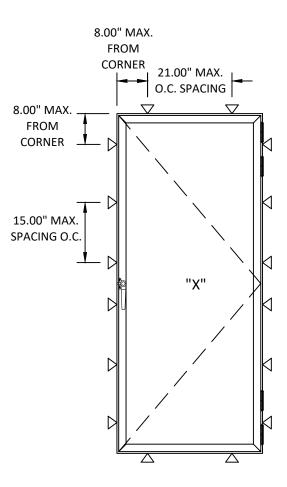
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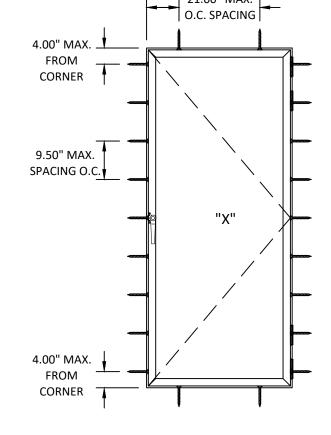




EXTERIOR VIEW



TYPICAL ANCHOR LAYOUT THROUGH BRACKET



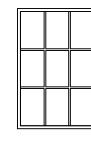
8.00" MAX.

FROM

CORNER

21.00" MAX.

TYPICAL ANCHOR LAYOUT THROUGH FRAME



SIMULATED DIVIDED LITE **ALSO QUALIFIED**



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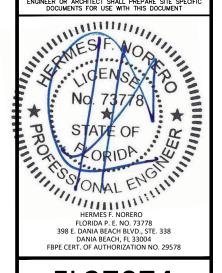
: MILANO SERIES
CASEMENT WINDOWS
(IMPACT) (HVHZ)
ELEVATION & ANCHOR LAYOUT

BUILDING DROPS, II 398 E. DANIA BEACH BLVD., STE. PH: (954)399-8478 FAX: (954)744.4738

BY DATE

E INSTALLATION DETAILS DESCRIBED HEREIN ARE GENER D MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECI TE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIAT FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT

REMARKS



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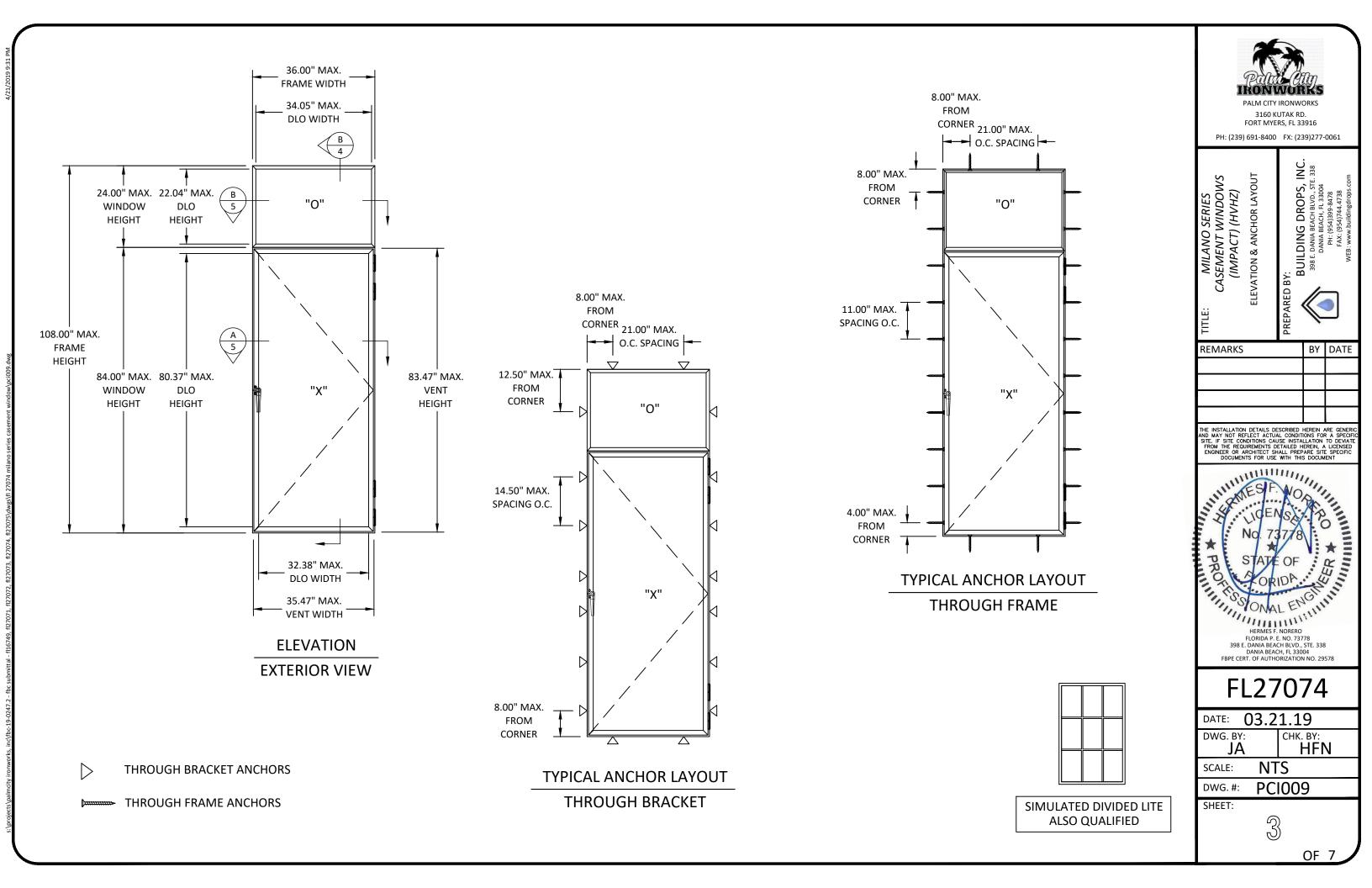
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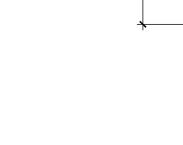
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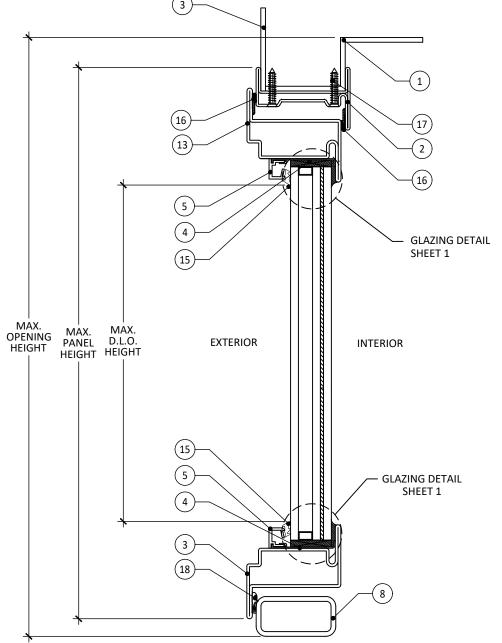
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OF 7

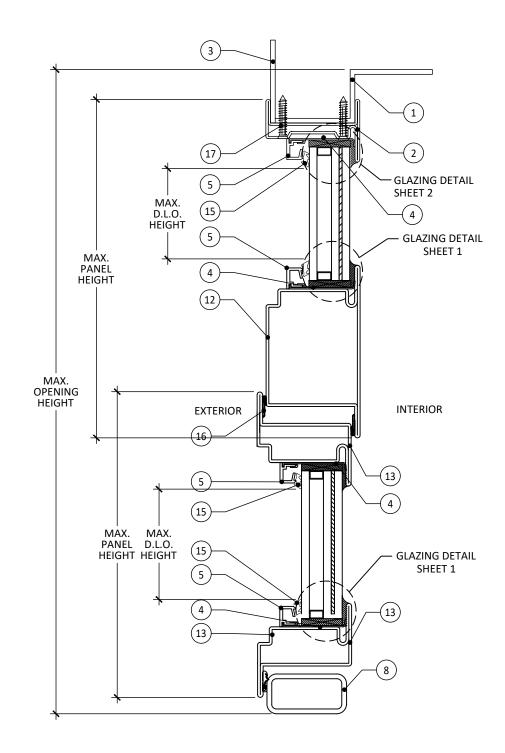
THROUGH BRACKET ANCHORS THROUGH FRAME ANCHORS











VERTICAL SECTION



PALM CITY IRONWORKS 3160 KUTAK RD. FORT MYERS, FL 33916

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MILANO SERIES CASEMENT WINDOWS (IMPACT) (HVHZ) VERTICAL SECTIONS

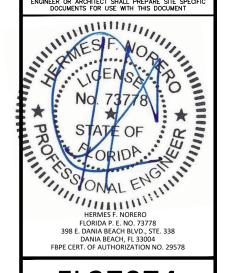
PARED BY:

BUILDING DROPS, II

398 E. DANIA BEACH BLVD., STE.:
398 E. DANIA BEACH, FI. 33004
DANIA BEACH, FI. 33004
PH. (954)744 4738
FAX: (954)744 4738
FAX: (954)744 4738

REMARKS BY DATE

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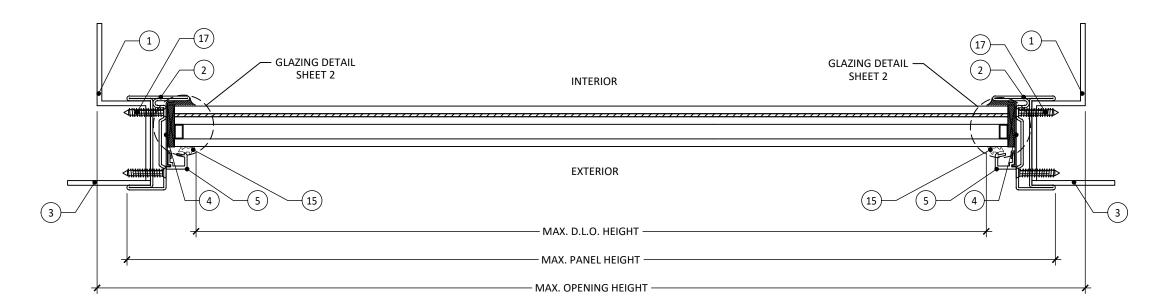
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A HORIZONTAL SECTION 5







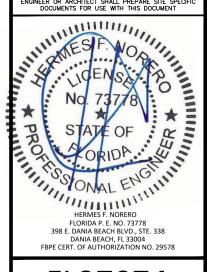
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PH: (239) 691-8400 FX: (239)277-0061

MILANO SERIES CASEMENT WINDOWS (IMPACT) (HVHZ) HORIZONTAL SECTIONS BUILDING DROPS, I
398 E. DANIA BEACH BLVD., STE.
DANIA BEACH, FL 33004
out. 105/21399-8478

REMARKS BY DATE

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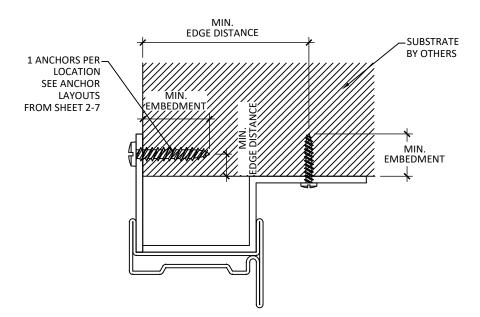
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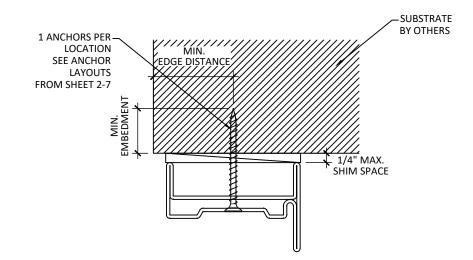




ANCHOR INSTALLATION

THROUGH BRACKET **HEAD, SILL AND JAMB**

ANCHOR SCHEDULE							
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE			
THROUGH METAL BRACKET (HEAD/JAMB)	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"			
THROUGH METAL BRACKET (HEAD/JAMB)	STEEL: MIN. 18 GAUGE, MIN. FY = 36 KSI	#10 TEK SCREW	3 THREATS OF ENGAGEMENT	0.50"			
THROUGH FRAME (HEAD/JAMB)	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.50"	1.00"			
THROUGH FRAME (HEAD/JAMB)	STEEL: MIN. 18 GAUGE, MIN. FY = 36 KSI	1/4" TEK SCREW	3 THREATS OF ENGAGEMENT	0.75"			
THROUGH FRAME (HEAD/JAMB)	3000 PSI CONCRETE	1/4" ITW TAPCON	1.75"	1.25"			
THROUGH FRAME (HEAD/JAMB)	MASONRY: CMU PER ASTM C90, MIN. 2000 PSI	1/4" ITW TAPCON	1.75"	1.25"			
THROUGH FRAME (SILL)	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.50"	0.75"			
THROUGH FRAME (SILL)	STEEL: MIN. 18 GAUGE, MIN. FY = 36 KSI	#12 TEK SCREW	3 THREATS OF ENGAGEMENT	0.75"			
THROUGH FRAME (SILL)	3000 PSI CONCRETE	1/4" ITW TAPCON	1.75"	1.25"			
THROUGH FRAME (SILL)	MASONRY: CMU PER ASTM C90, MIN. 2000 PSI	1/4" ITW TAPCON	1.75"	1.25"			



ANCHOR INSTALLATION

THROUGH FRAME HEAD, SILL AND JAMB

INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE SPECIFIED.
- INSTALLATION ANCHOR FROM HINGE THOUGH FRAME INTO SUBSTRATE WITH APPROPRIATE EMBEDMENT, EDGE DISTANCE AND ANCHOR TYPE. REFER TO ANCHOR SCHEDULE ON THIS SHEET.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 4. FOR MASONRY OR CONCRETE OPENINGS A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- 5. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY, HIGH IMPACT, NON-METALIC, NON COMPRESSIBLE, NATURALLY DURABLE & PRESERVATIVE TREATED MATERIALS.
- 7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 10. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.



PALM CITY IRONWORKS 3160 KUTAK RD. FORT MYERS, FL 33916 $\,$

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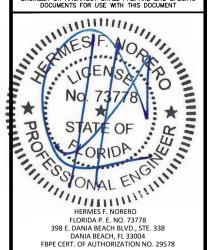
MILANO SERIES CASEMENT WINDOWS (IMPACT) (HVHZ) INSTALLATION DETAIL & NOTES

SUILDING 338 E. DANIA BEA DANIA BEA

DROPS, ACH BLVD., STI

REMARKS BY DATE

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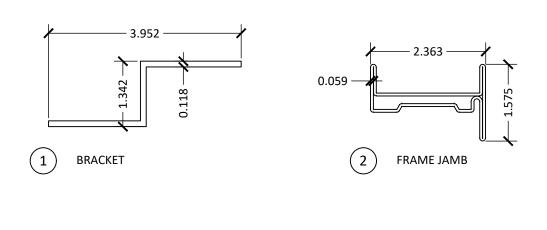
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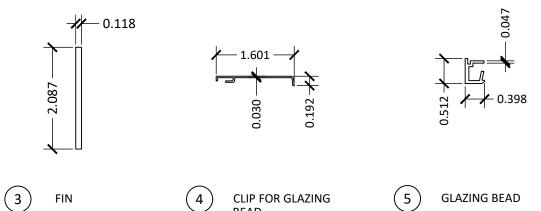
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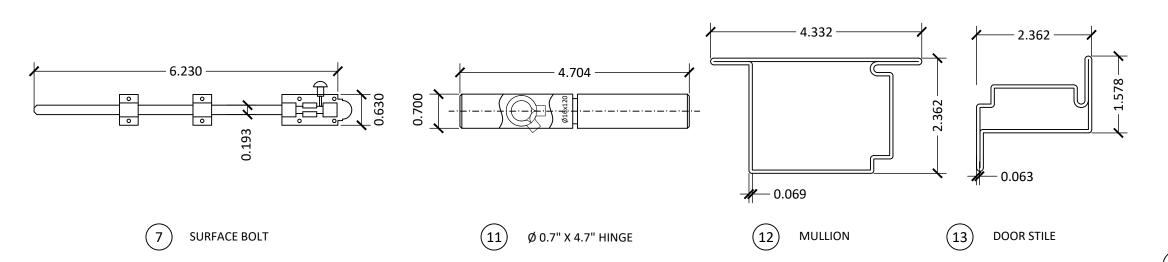


BILL OF MATERIALS							
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUFACTURER			
1	-	BRACKET	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD			
2	605.610Z	FRAME JAMB	Q235B STEEL + FIBER INSULATION	JANSEN AG			
3	-	FIN	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD			
4	CP43	CLIP FOR GLAZING BEAD	ALUMINUM 160 MPA MIN. TENSILE STRENGTH	MONTANSTAHL AG			
5	CTF13	GLAZING BEAD	ALUMINUM 160 MPA MIN. TENSILE STRENGTH	FUJIAN MINFA ALUMINUM INC.			
6	-	-	-	-			
7	CX36220	SURFACE BOLT	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD			
-	-	-	-	-			
9	601.615 Z	DOUBLE DOOR STILE	Q235B STEEL + FIBER INSULATION	JANSEN AG			
10	-	-	-	-			
11	PJ013	Ø 0.7" X 4.7" HINGE	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD			
12	30.117	MULLION	Q235B STEEL + FIBER INSULATION	JANSEN AG			
13	30.418Z	DOOR STILE	Q235B STEEL + FIBER INSULATION	JANSEN AG			
14	B195N09F	STRAIGHT CLASSIC HANDLE	-	STEEL WINDOW FITTINGS			
15	900.012	FRONT GASKET	EPDM RUBBERS	MONTANSTAHL AG			
16	455.047	WEATHER STRIP	EPDM RUBBERS	JANSEN AG			
17	LS267	#10 x1" SMS @ 32" O.C.	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD			





BEAD





STRAIGHT CLASSIC HANDLE



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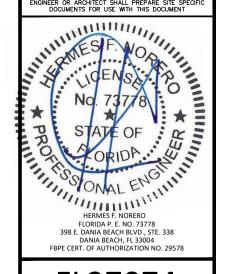
PH: (239) 691-8400 FX: (239)277-0061

INC. MILANO SERIES
CASEMENT WINDOWS
(IMPACT) (HVHZ)
BILL OF MATERALS &
COMPONENTS

EPARED BY:
BUILDING DROPS, IN
398 E. DANIA BEACH BLVD., STE. 3:
DANIA BEACH, FI 33004
PH: (954)399-8478
FAX: (954)744.4738
FAX: (954)744.4738

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