



MIAMI-DADE COUNTY
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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

St. Cloud Window, Inc.
390 Industrial Blvd.
Sauk Rapids, MN 56379

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "920i" Aluminum Double Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **SCW006**, titled "Series 920i DH", sheets 1 through 7 of 7, dated 03/13/09, with revision A dated 05/26/09, prepared by manufacturer, signed and sealed by Kristina Daugherty, 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 Missile Impact Resistant

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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 09-0408.03
Expiration Date: July 1, 2014
Approval Date: July 1, 2009
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **SCW006**, Sheets 1 through 7 of 7, titled "Series 920i DH", dated 03/13/09, with revision A dated 05/26/09, prepared by manufacturer, signed and sealed by Kristina Daugherty, P.E.

B. TESTS

1. Test reports: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum double hung window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-113-00836.1**, dated 11/17/08, and amendment letter dated 05/19/09, all signed and sealed by Thomas . Kolden, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by CertWorks, dated 4/6/09 and 5/20/09, signed and sealed by Kristina Daugherty, P.E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/12.

F. STATEMENTS

1. Statement letter of conformance and of no financial interest, dated April 6, 2009, signed and sealed by Kristina Daugherty, P.E.

G. OTHERS

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-0408.03
Expiration Date: July 1, 2014
Approval Date: July 1, 2009

ST. CLOUD WINDOW, INC.

SERIES 920i DOUBLE HUNG WINDOW



INSTALLATION NOTES:

1. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT HEAD AND JAMB ON EACH ANCHOR LOCATION SHOWN. ONE (1) INSTALLATION ANCHOR IS REQUIRED PER LOCATION SHOWN ON SILL.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. 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 PLASTIC OR BETTER.
5. FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
7. FOR INSTALLATION INTO STEEL STUD FRAMING USE #10 SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS OF MINIMUM ENGAGEMENT THRU STEEL SUBSTRATE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. 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.
11. 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.
12. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2700 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. STEEL - MINIMUM TENSILE YIELD STRENGTH OF 33 KSI.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE **2007 FLORIDA BUILDING CODE (FBC)**, INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X 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.
3. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: 6063-T6
7. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAIL.
8. FOR HVHZ INSTALLATION ABOVE 30FT IN AREAS REQUIRING IMPACT RESISTANCE, WINDOW MUST BE SAFETY GLAZED OR COVERED BY APPROVED IMPACT PROTECTIVE SYSTEM AS PER CHAPTER 2411.3.3.7.
9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL

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

DESIGN PRESSURE RATING		
GLAZE TYPE	DESIGN PRESSURE	MISSILE IMPACT RATING
A & B	+70.0 /-70.0 PSF	LARGE MISSILE IMPACT RATED
C	+70.0 /-70.0 PSF*	LARGE MISSILE IMPACT RATED

* NOTE: MAX SIZE LIMITED TO 47" X 40.25" OR 50.5" X35"

REVISIONS	NO.	DESCRIPTION	BY	DATE
	A	UPDATED PER MIAMI-DADE COMMENTS	JLR	05.26.09

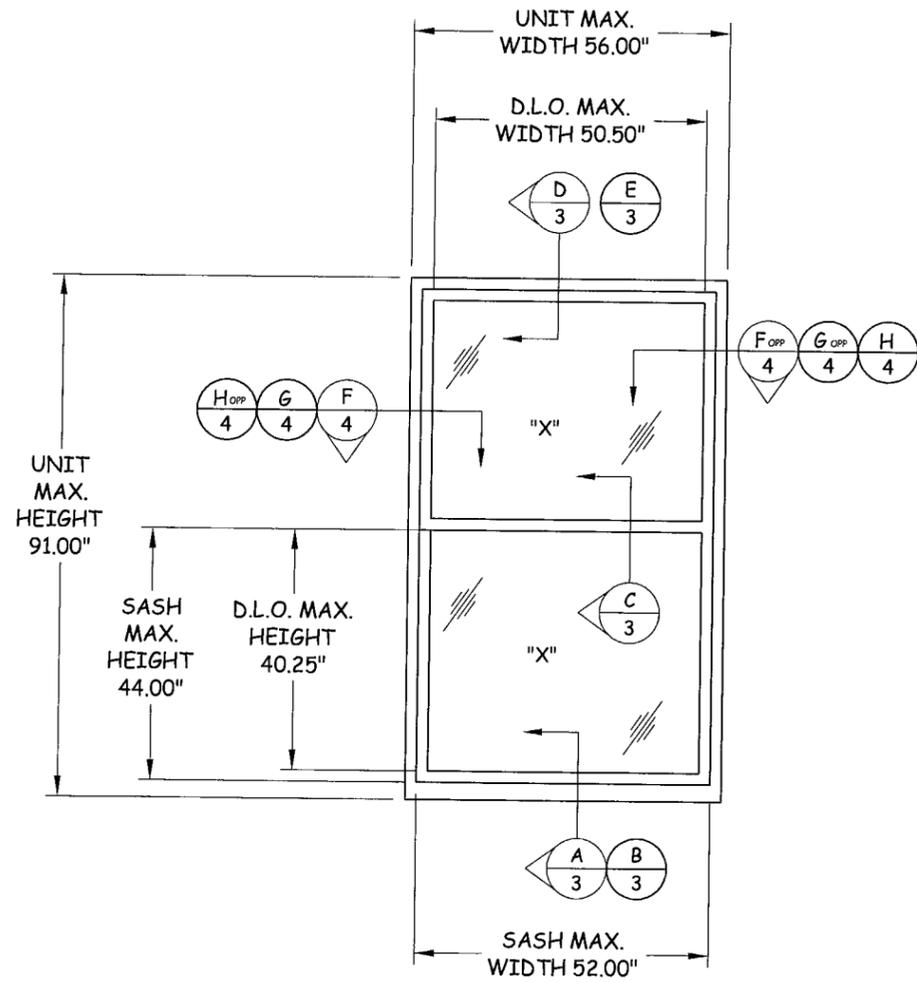
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PREPARED FOR:
ST. CLOUD WINDOW, INC.
390 INDUSTRIAL BLVD.
SAUK RAPIDS, MN 56379
PH: 320.251.9311 FX: 320.255.1513

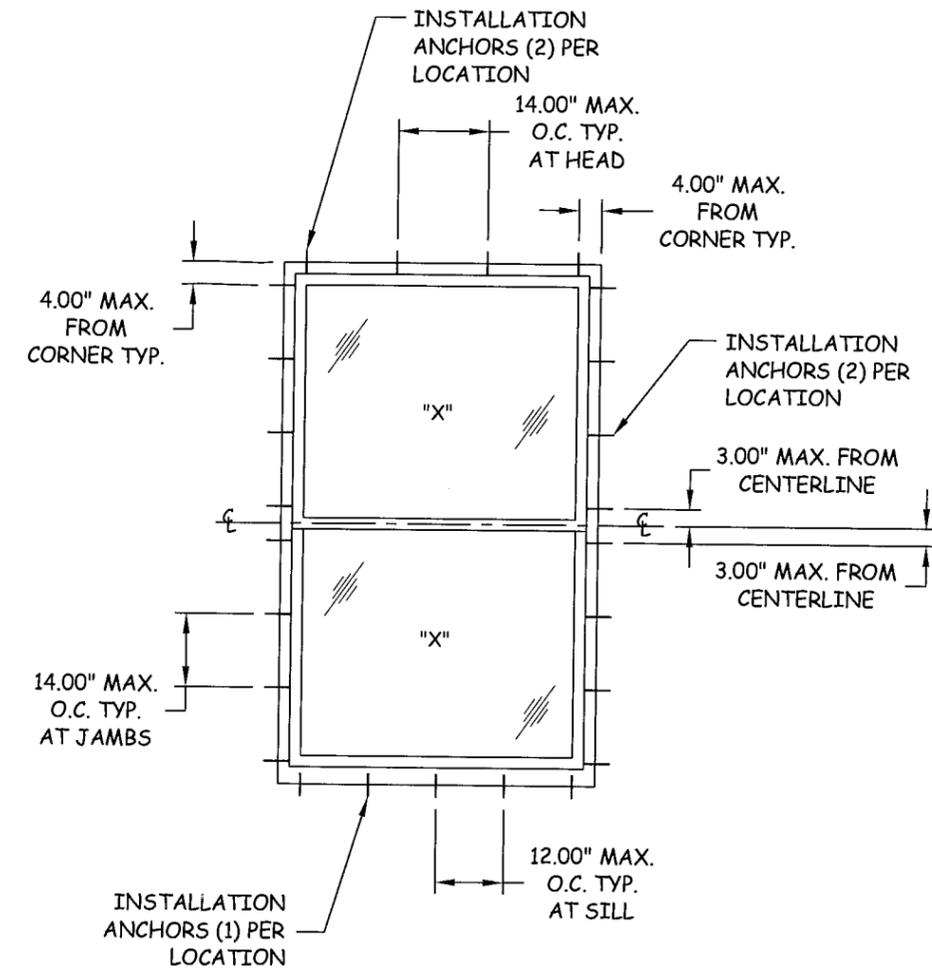
5-26-09
KRISTINA S. DAUGHERTY
FLORIDA REGISTERED PROFESSIONAL ENGINEER
11101 CEDAR FL 32715

Approved as complying with the Florida Building Code
 Date JULY 1, 2009
 NOA# 09-0408.03
 Miami Dade Product Control
 Division
 By Mmanuel Piz

DATE:	03.13.09	DWN BY:	GT	CHK BY:	RS	SCALE:	NTS
DWG #:		SCW006					
SHEET:		1 OF 7					



ELEVATION



ANCHOR LAYOUT

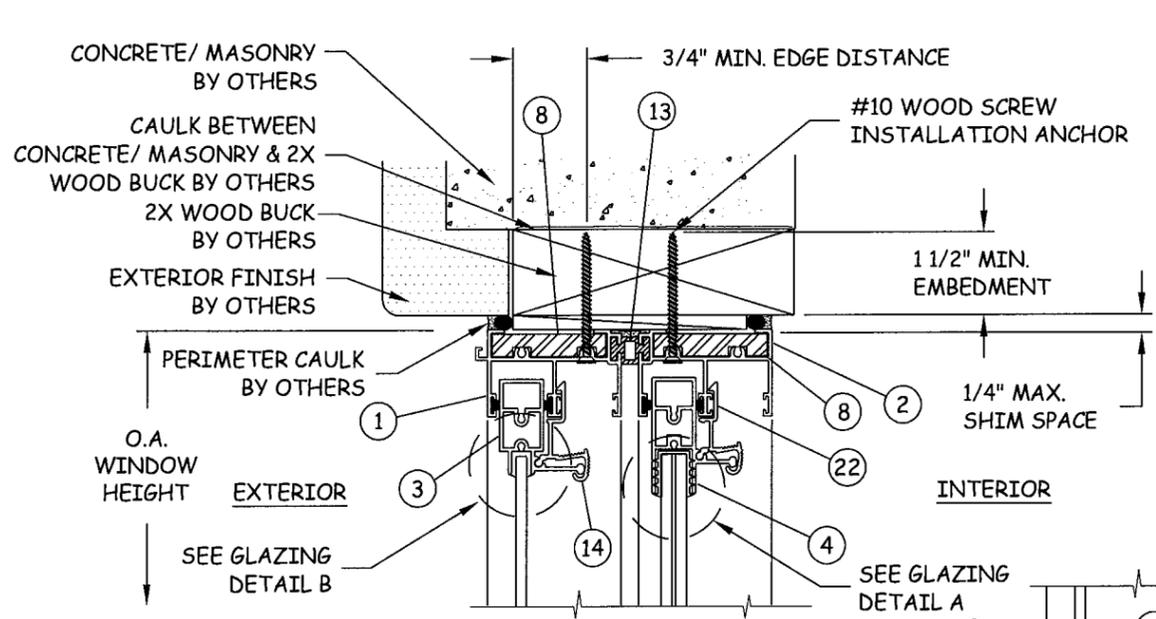
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 PREPARED FOR: ST. CLOUD WINDOW, INC.
 390 INDUSTRIAL BLVD.
 SAUK RAPIDS, MN 56379
 PH: 320.251.9311 FX: 320.255.1513

REVISIONS	
NO.	DESCRIPTION
A	UPDATED PER MIAMI-DADE COMMENTS
	BY: JLR
	DATE: 05.26.09

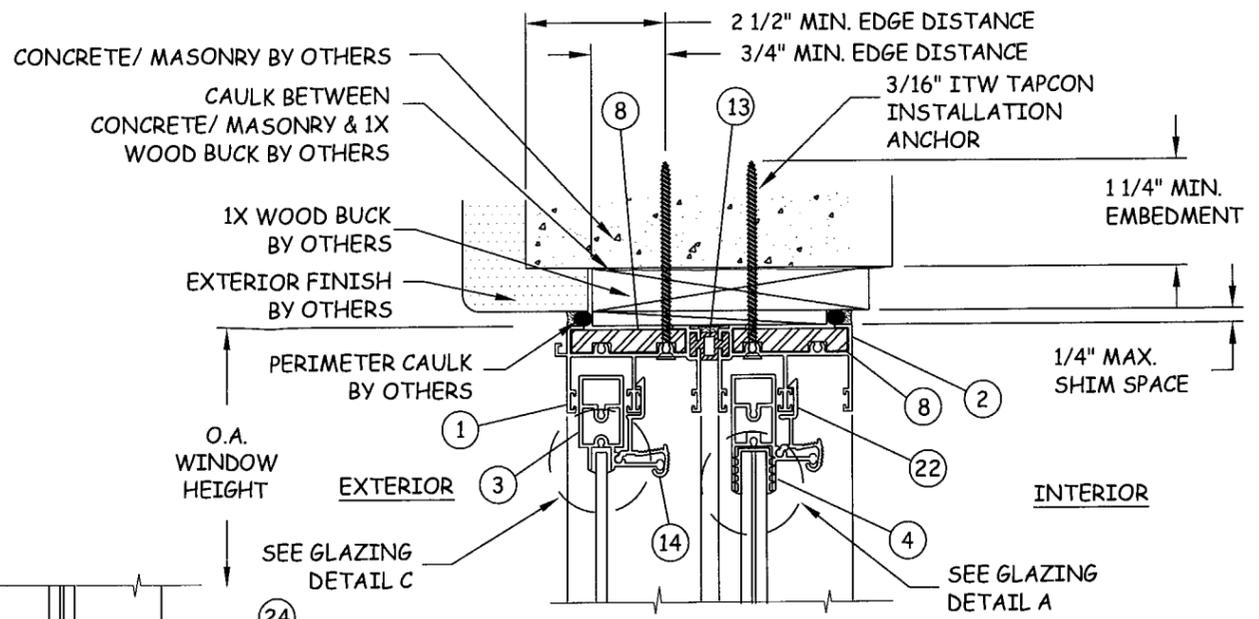
Kristina S. Caugherty
 6-26-09
 KRISTINA S. CAUGHERTY
 FLORIDA P.E. NO. 68465
 1117 CONANTON STREET
 OVIEDO, FL 32765

DATE: 03.13.09
 DWN BY: GT
 CHK BY: RS
 SCALE: NTS
 DWG #: SCW006
 SHEET: 2 OF 7

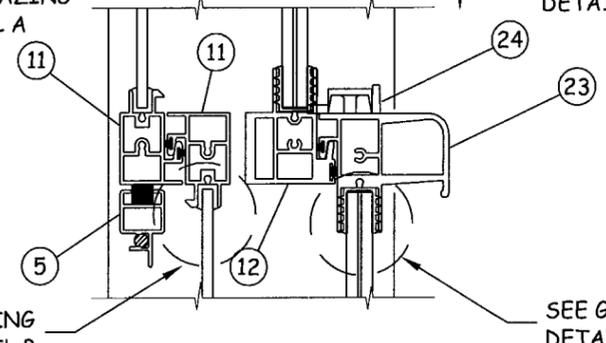
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 CHK BY: RS
 SCALE: NTS
 DWG #: SCW006
 SHEET: 2 OF 7



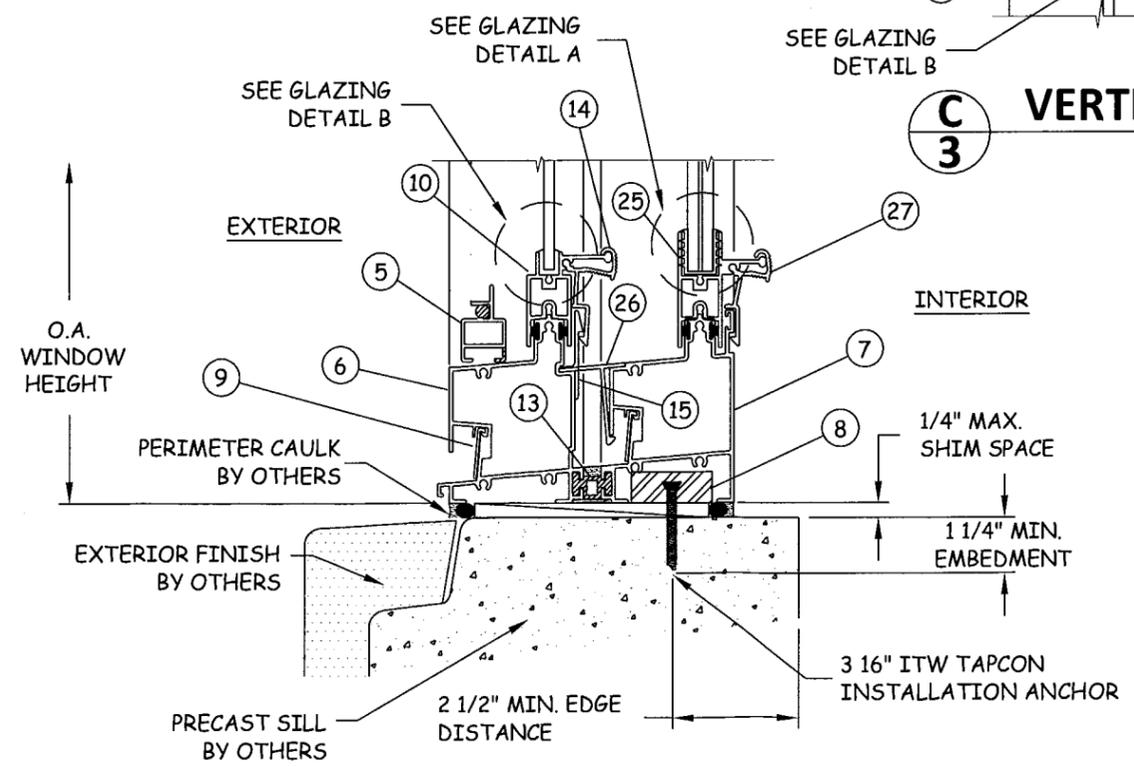
D
3
VERTICAL SECTION
HEAD - 2X WOOD BUCK



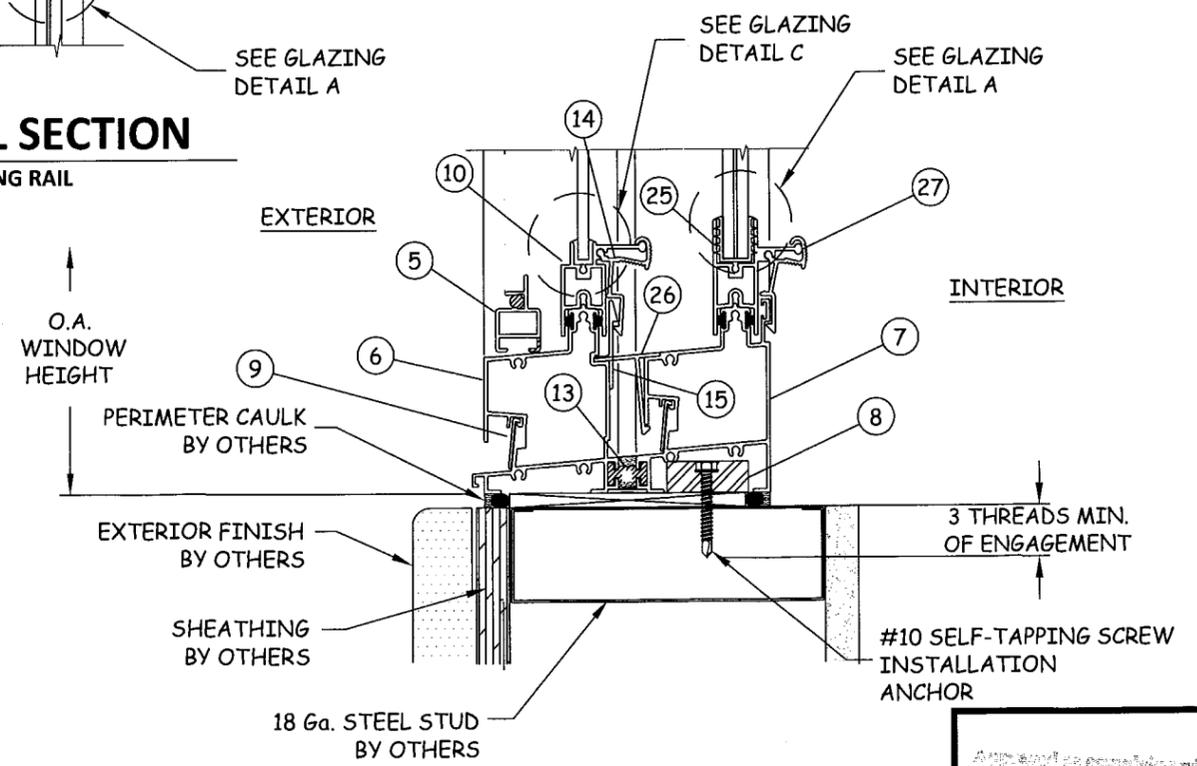
E
3
VERTICAL SECTION
HEAD - CONCRETE/MASONRY



C
3
VERTICAL SECTION
MEETING RAIL



A
3
VERTICAL SECTION
SILL - CONCRETE/MASONRY
PRE-CAST SILL



B
3
VERTICAL SECTION
SILL - 2X METAL STUD

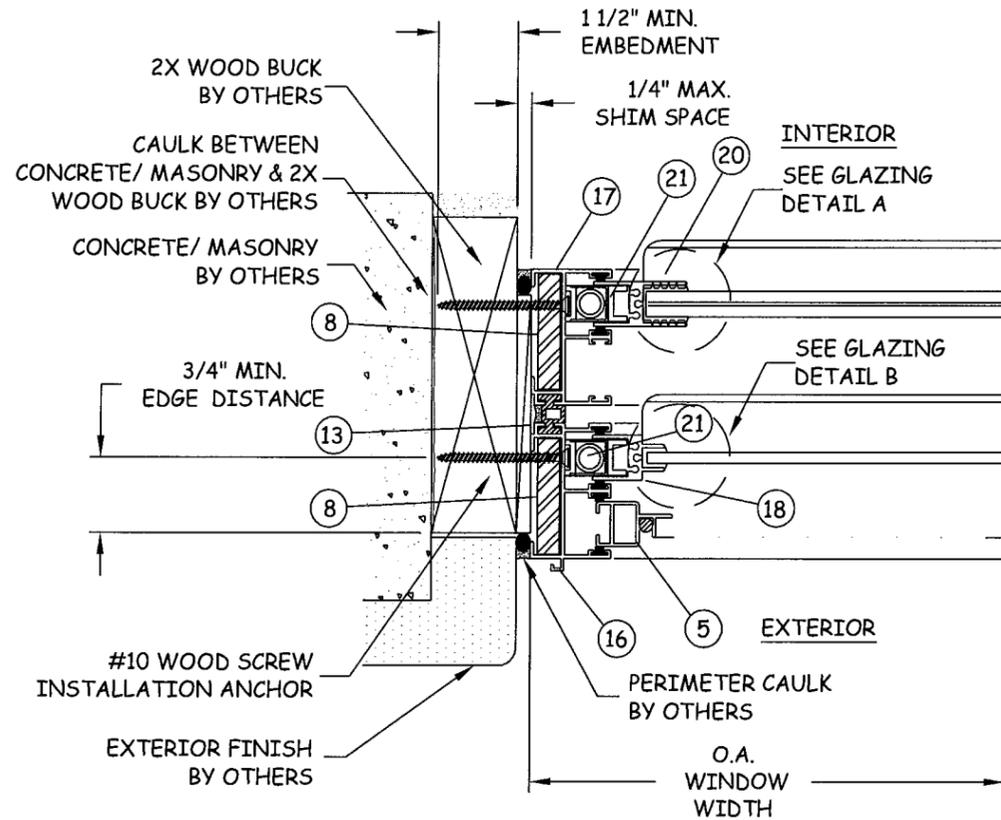
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VERTICAL SECTIONS
PREPARED FOR:
ST. CLOUD WINDOW, INC.
390 INDUSTRIAL BLVD.
SAUK RAPIDS, MN 56379
PH: 320.251.9311 FX: 320.255.1513

REVISIONS		NO.	DESCRIPTION	BY	DATE
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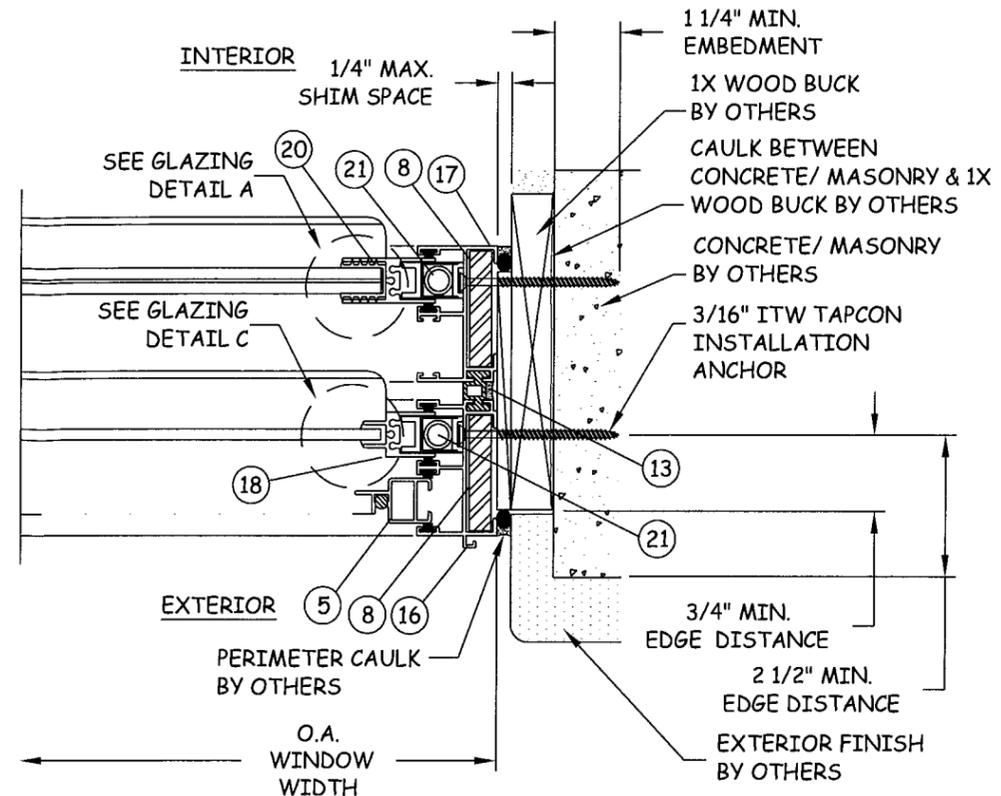
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5-26-09
CRISTINA S. DALGHERTY
FLORIDA P.E. NO. 65455
1117 COVINGTON STREET
DAWECIO, FL 32716

Approved as complying with the
Florida Building Code
July 1, 2009
09-0408-03
All Florida Products
By *Handwritten signature*

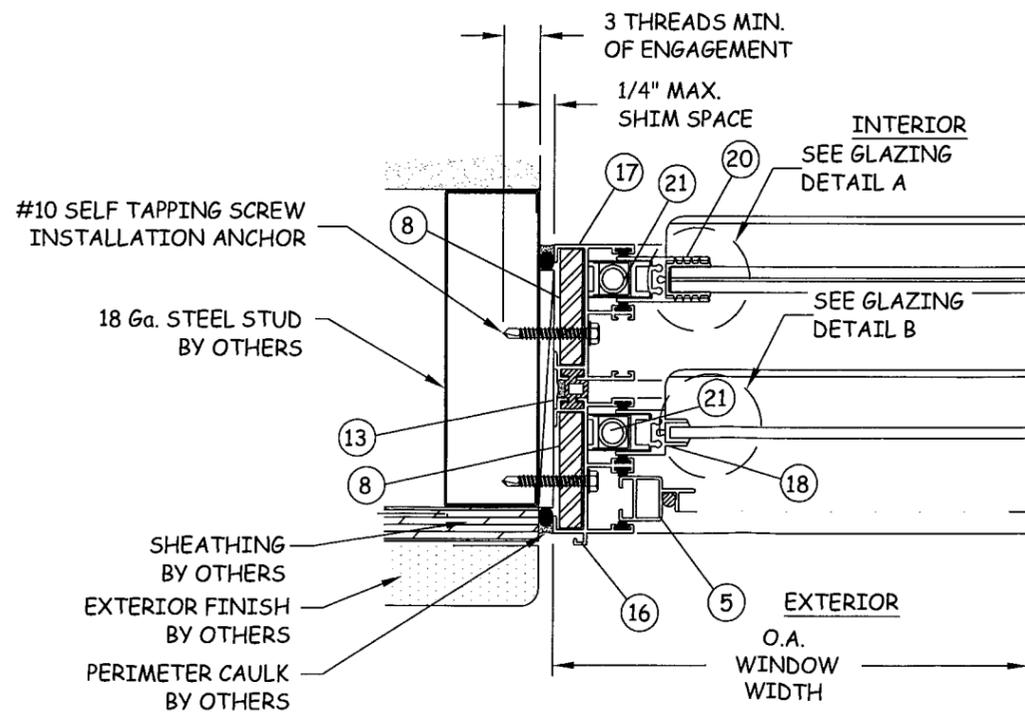
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DWG #:	SCW006						
SHEET:	3 OF 7						



G
4 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK



H
4 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY



F
4 **HORIZONTAL SECTION**
JAMB - Metal Stud

TITLE: SERIES 920i DH
HORIZONTAL SECTIONS
PREPARED FOR:
ST. CLOUD WINDOW, INC.
390 INDUSTRIAL BLVD.
SAUK RAPIDS, MN 56379
PH: 320.255.19311 FX: 320.255.1513

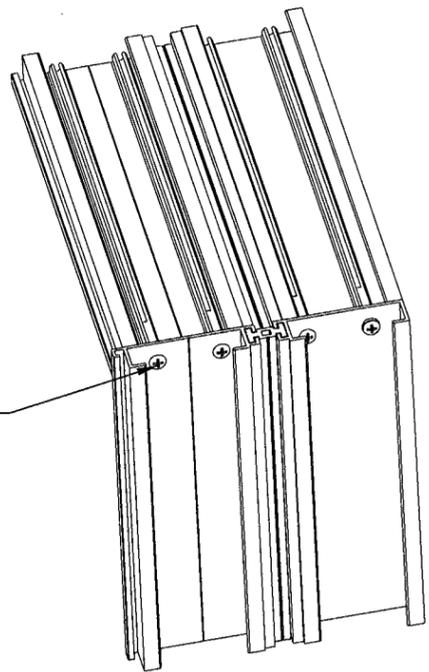
REVISIONS		NO.	DESCRIPTION	BY	DATE
		A	UPDATED PER MIAMI-DADE COMMENTS	JLR	05.26.09

K. Anderson
5-26-09
KIRSTIN'S DAUGHTER
RICHARDSON
1117 DUNWINDY STREET
DUNEDIN, FL 32725

Approved as complying with the
Florida Building Code
Date: July 1, 2009
NOAF: 09-0408.03
Miami-Dade Product Control
By: *Mauro Perry*

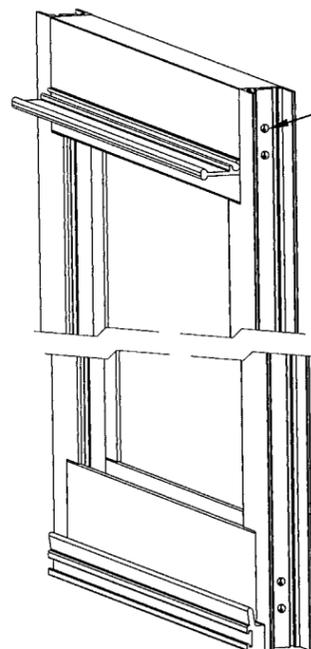
DATE:	03.13.09	DWN BY:	GT	CHK BY:	RS	SCALE:	NTS
DWG #:		SCW006		SHEET: 4 OF 7			

#8 x 3/4" MACHINE SCREWS



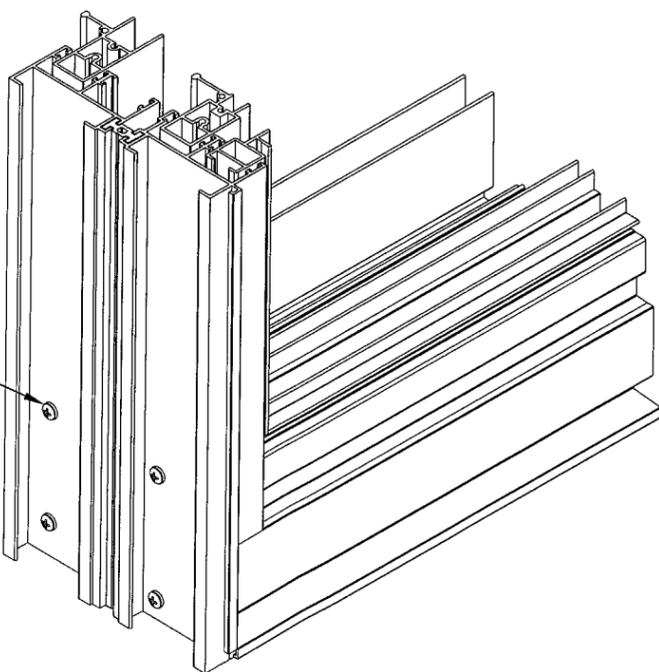
HEAD CORNER DETAIL

#6 x 1 1/2" MACHINE SCREWS



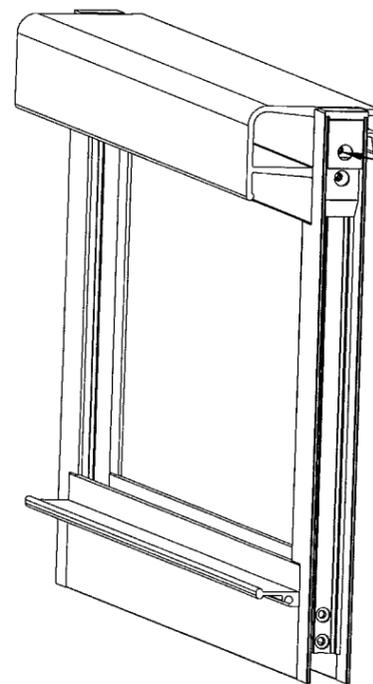
TOP SASH DETAIL

#8 x 3/4" MACHINE SCREWS



SILL CORNER DETAIL

#6 x 1 1/2" MACHINE SCREWS



BOTTOM SASH DETAIL

TITLE: SERIES 920i DH
 CORNER & SASH DETAILS
 PREPARED FOR:
 ST. CLOUD WINDOW, INC.
 390 INDUSTRIAL BLVD.
 SAUK RAPIDS, MN 56379
 PH: 320.251.9311 FX: 320.255.1513

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	UPDATED PER MIAMI-DADE COMMENTS	JLR	05.26.09

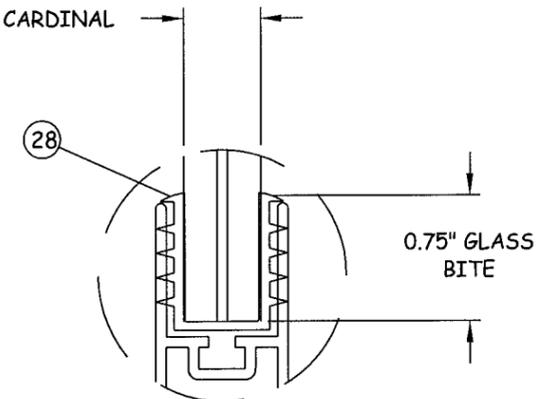
Kristina S. Delaherty
 5-26-09
 KRISTINA S. DELAHERTY
 FLORIDA P. E. NO. 68465
 1117 DOWNTOWN STREET
 OVIEDO, FL 32765

Approved as complying with the Florida Building Code
 JULY 1, 2009
 09-0408.03
Manuel Perez

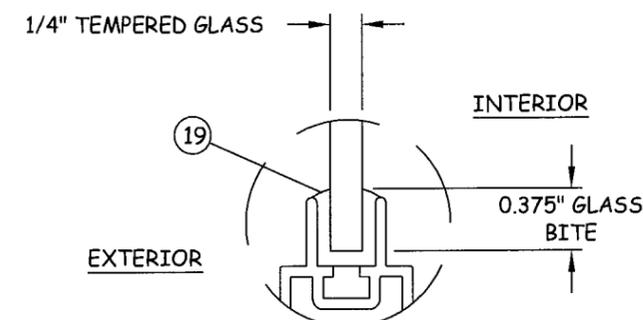
DATE: 05.20.09
 DWN BY: JLR
 CHK BY: KSD
 SCALE: NTS
 DWG #: SCW006
 SHEET: 5 OF 7

BILL OF MATERIALS				
ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	155	STORM HEAD	6063-T6	ST. CLOUD
2	154	PRIME HEAD	6063-T6	ST. CLOUD
3	164	STORM TOP RAIL	6063-T6	ST. CLOUD
4	327	PRIME TOP RAIL	6063-T6	ST. CLOUD
5	159	SCREEN RAIL	6063-T6	ST. CLOUD
6	176	STORM SILL	6063-T6	ST. CLOUD
7	175	PRIME SILL	6063-T6	ST. CLOUD
8	IST-0045	SHEAR BLOCK	RIGID PVC	ST. CLOUD
9	HDW-3023	WEEP FLAP	6063-T6	ST. CLOUD
10	177	STORM BOTTOM RAIL	6063-T6	ST. CLOUD
11	158	STORM MEETING RAIL	6063-T6	ST. CLOUD
12	328	PRIME MEETING RAIL	6063-T6	ST. CLOUD
13	SPV-0033	THERMAL BREAK BLOCK	POLYAMIDE	ST. CLOUD
14	HDW-3057	SASH LOCK	6063-T6	ST. CLOUD
15	HDW-3083	LOCK BAR	6063-T6	ST. CLOUD
16	157	STORM JAMB	6063-T6	ST. CLOUD
17	156	PRIME JAMB	6063-T6	ST. CLOUD
18	162	STORM SASH JAMB	6063-T6	ST. CLOUD
19		GLAZING BEAD	NEOPRENE	ST. CLOUD
20	345	PRIME SASH JAMB	6063-T6	ST. CLOUD
21		BALANCE		ST. CLOUD
22	HDW-3250	SASH LOCK	6063-T6	ST. CLOUD
23	544	PRIME MEETING RAIL	6063-T6	ST. CLOUD
24		PRIME CHANNEL LOCK	6063-T6	ST. CLOUD
25	344	PRIME BOTTOM RAIL	6063-T6	ST. CLOUD
26	SPV-0034	SILL TRIM	RIGID PVC	ST. CLOUD
27	HDW-3249	SASH LOCK	6063-T6	ST. CLOUD
28		GLAZING BEAD	NEOPRENE	ST. CLOUD

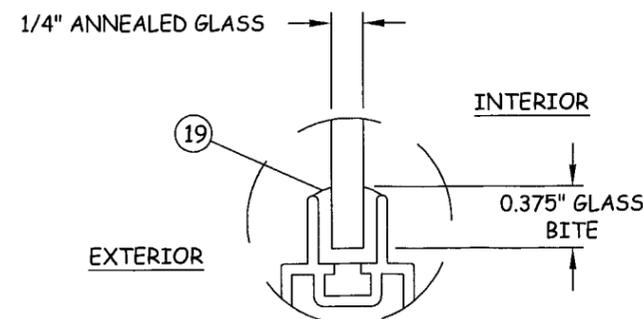
3/16" ANNEALED GLASS
.090" SGP INTERLAYER BY CARDINAL
3/16" ANNEALED GLASS



GLAZING DETAIL A



GLAZING DETAIL B



GLAZING DETAIL C

*NOTE: MAX. SIZE LIMITED TO
47" X 40.25" OR 50.5" X 35"

Approved in accordance with the Florida Building Code
Date: JULY 1, 2009
NOA# 09-0408.03
Manuel Perez

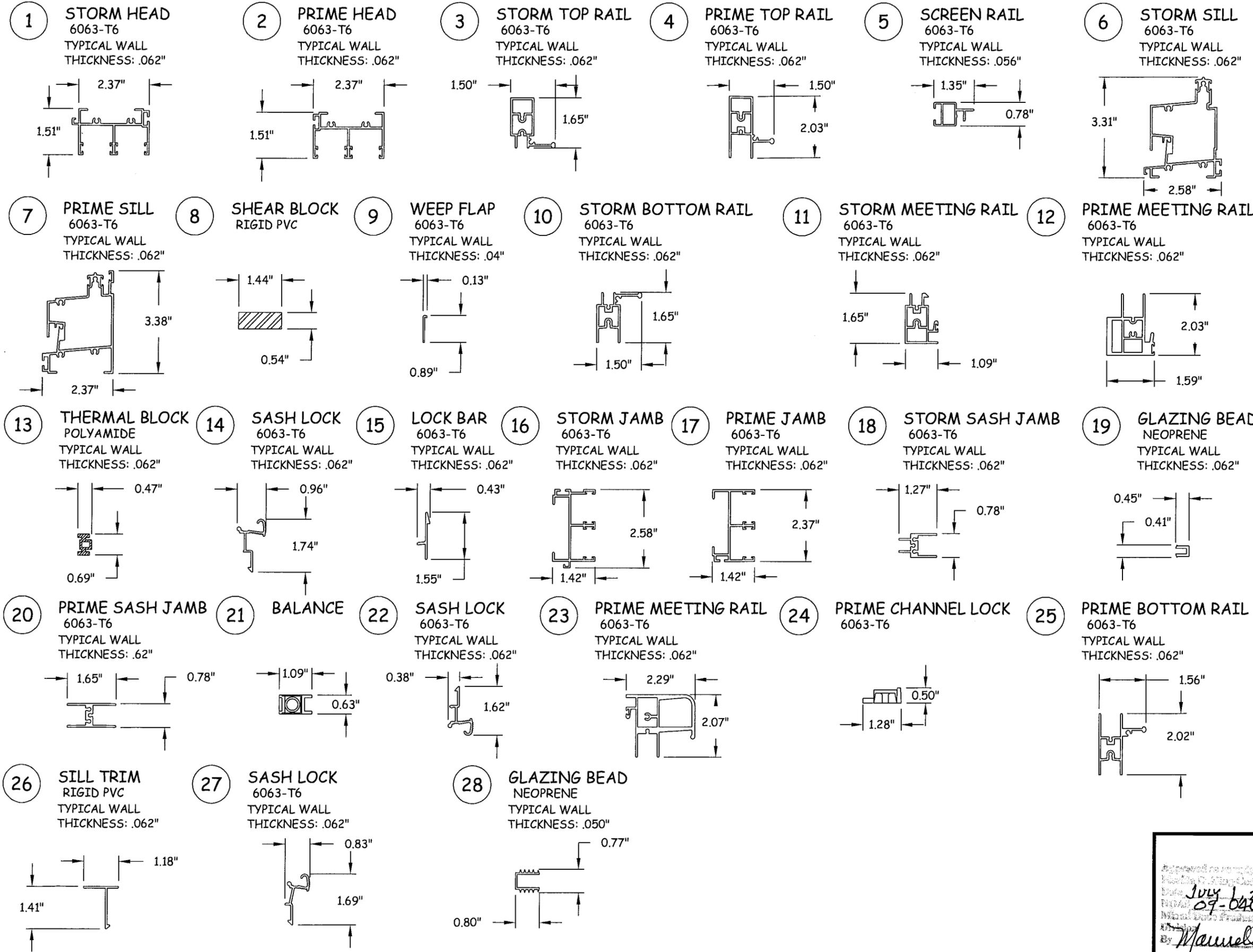


TITLE: SERIES 920i DH
GLAZING DETAILS AND
BILL OF MATERIALS
PREPARED FOR:
ST. CLOUD WINDOW, INC.
390 INDUSTRIAL BLVD.
SAUK RAPIDS, MN 56379
PH: 320.251.9311 FX: 320.255.1513

NO.	DESCRIPTION	BY	DATE
		A	UPDATED PER MIAMI-DADE COMMENTS JLR

Kristina S. Caligherty
5-26-09
KRISTINA S. CALIGHERTY
FLORIDA P.E. NO. 69465
1117 DORRINGTON STREET
DADECO, FL 33176

DATE: 03.13.09	DWN BY: GT	CHK BY: RS	SCALE: NTS
DWG #: SCW006			
SHEET: 6 OF 7			



TITLE: SERIES 920i DH

COMPONENTS

PREPARED FOR:
ST. CLOUD WINDOW, INC.
390 INDUSTRIAL BLVD.
SAUK RAPIDS, MN 56379
PH: 320.251.9311 FX: 320.255.1513

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	UPDATED PER MIAMI-DADE COMMENTS	JLR	05.26.09

Kristina S. Calherty
5-26-09
KRISTINA S. CALHERTY
FLORIDA P. E. NO. 68435
1117 DOWNTOWN STREET
OWENSBORO, KY 40365

Approved as complying with the
Building Code of the City of
St. Cloud
Date: July 1, 2009
Project: 09-0408.03
By: *Manuel Perez*

DATE:	03.13.09	DWN BY:	GT	CHK BY:	RS	SCALE:	NTS
DWG #:	SCW006						
SHEET:	7 OF 7						