EUROCRAFT INDUSTRIES INC.

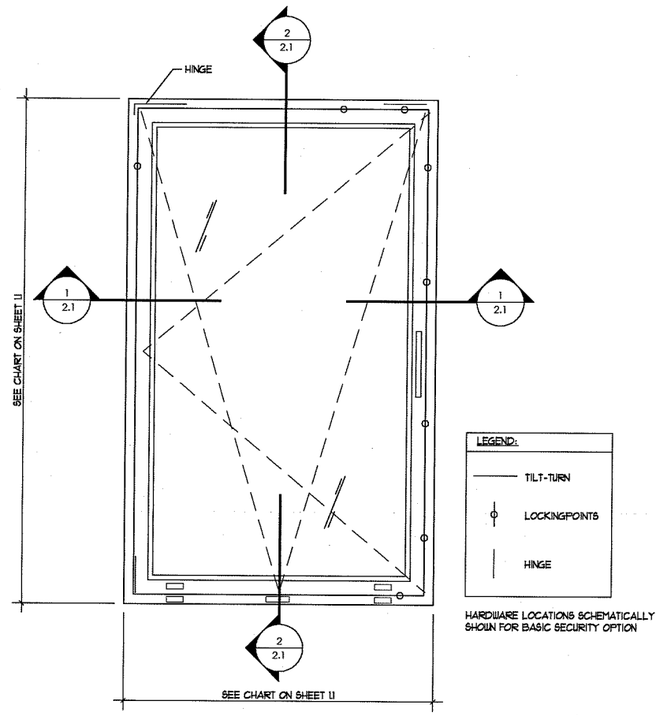
1014 VENTANA DRIVE
RUSKIN, FL 33572

TILT-TURN SINGLE WINDOW/TILT-TURN BALCONY DOOR FL 10122

GENERAL NOTES - Single Tilt-turn Window/ Tilt-turn Balcony Window Door

1. This product meets the requirements for the State of Florida including the High Velocity Hurricane Zone (HVHZ).
2. When used in wind-borne debris regions this, product complies with Section 1609.1.2 of the Florida Building Code as an impact resistant product and does not require the use of an external impact resistant covering.
3. The tilt-turn single window and tilt-turn balcony window-door extrusions, assembly, movement and anchorage are identical and therefore considered as one product type; only the size of the two installations differs.
4. Anchors to supports shall be installed as shown on the attached details.
5. Site conditions deviating from these installation drawings shall require further engineering analysis by a Florida-licensed engineer or architect.

PRODUCT	SWING	TILT	MAX R.O.	GLASS	RATED PRESSURE
TILT-TURN SINGLE WINDOW	IN	IN	49"w x 80"h	3/1.3	+/-85psf
TILT-TURN BALCONY WINDOW-DOOR	IN	IN	43"w x 96"h	3/1.3	+110/-135psf



HARDWARE LOCATIONS SCHEMATICALLY SHOWN FOR BASIC SECURITY OPTION

KOEMMERLING 11-PVC/ EURODUR TILT & TURN WINDOW & DOOR SYSTEM

ANDREW D. HAROLD LICENSE No. 66715 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/30/09

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EUROCRAFT WINDOWS

REVISION:

DATE	DESCRIPTION

☐ SAMUEL A. GREENBERG, P.E. #34245
☐ THUY H. HUYNH, P.E. #60122
☐ IRWIN J. BENSON, P.E. #49758
☐ ANDREW D. HAROLD, P.E. #66715

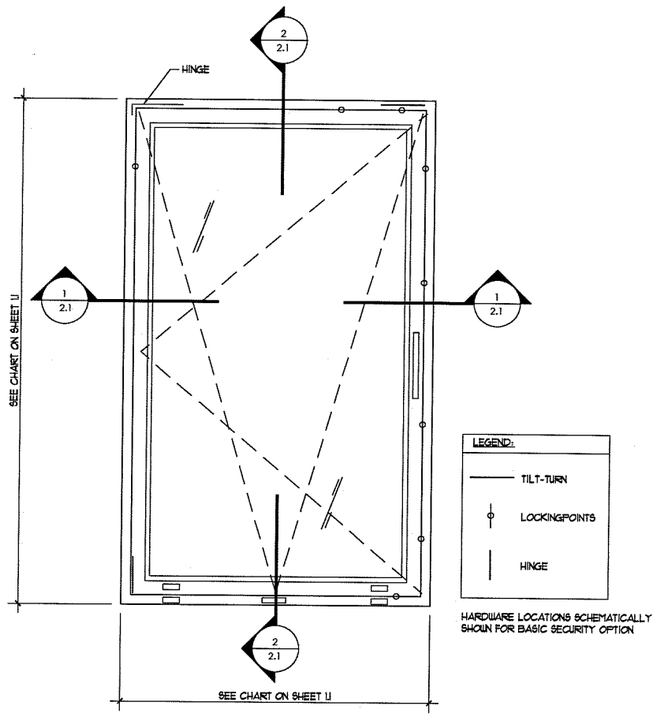
ENGINEER SEAL:

SHEET TITLE: GENERAL NOTES & DESIGN PRESSURE

SHEET INFORMATION:

JOB NO.: 281188
DATE ISSUED: 01.30.09
DRAWN BY: AR
REVIEWED BY: ADH

1.1



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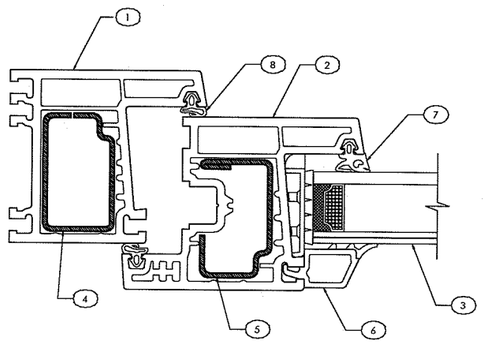
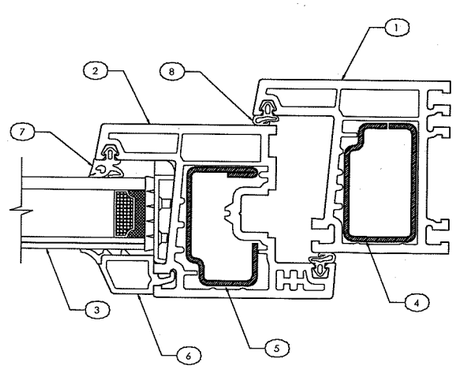
KOEMMERLING U-PVC/ EURODUR TILT & TURN WINDOW & DOOR SYSTEM

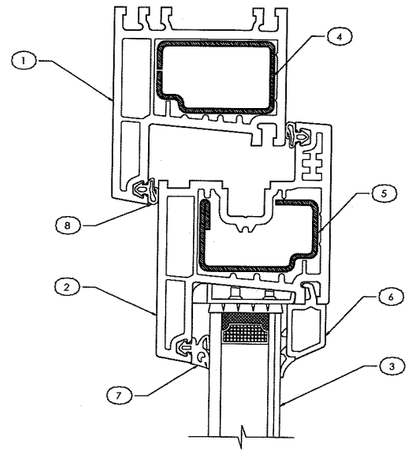


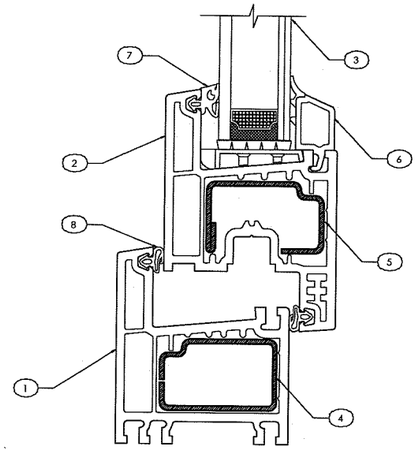


1 HORIZONTAL CROSS SECTION

SCALE : NTS

(#) CORRESPONDING PART ON SHEET 3.1





2 VERTICAL CROSS SECTION

SCALE : NTS

(#) CORRESPONDING PART ON SHEET 3.1

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SHEET TITLE:
CROSS SECTIONS

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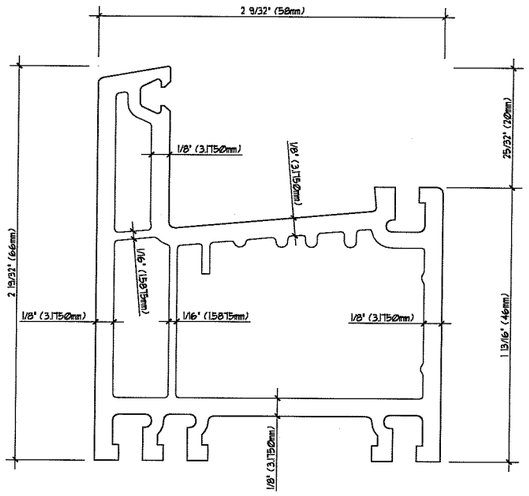
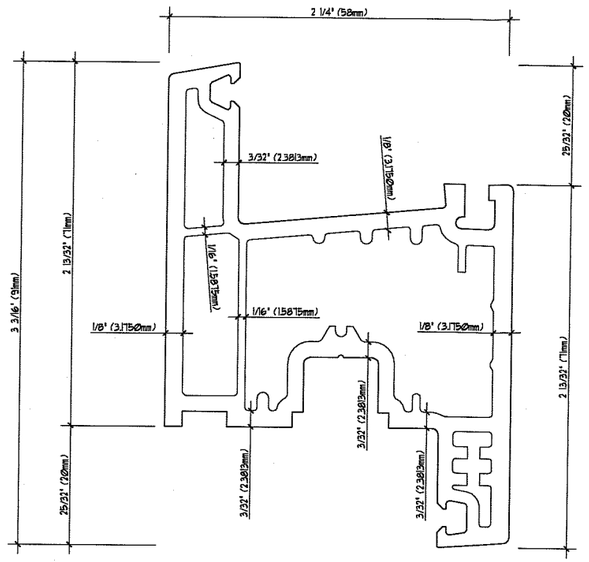
DRAWN BY:	AR
REVIEWED BY:	ADH

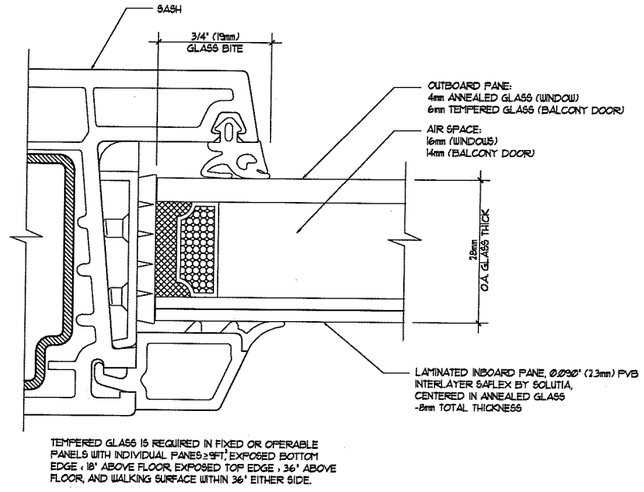
2.1



1 FRAME 1401.W
SCALE : NTS



2 SASH 1411.W
SCALE : NTS

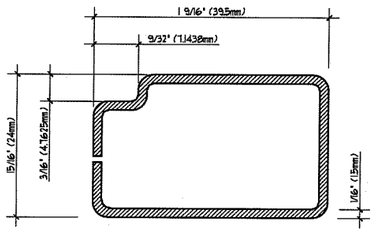


TEMPERED GLASS IS REQUIRED IN FIXED OR OPERABLE PANELS WITH INDIVIDUAL PANES ≥9FT², EXPOSED BOTTOM EDGE ≤ 18" ABOVE FLOOR, EXPOSED TOP EDGE ≥ 36" ABOVE FLOOR, AND WALKING SURFACE WITHIN 36" EITHER SIDE.

3 GLAZING DETAIL
SCALE : NTS

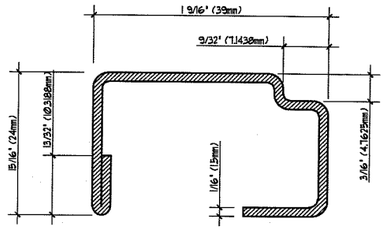
NOTES:

1. KOMMERLING SYSTEM EURODUR 35 PART NUMBERS ARE LISTED AS SHOWN FOR PRIMARY COMPONENTS OF THIS SYSTEM.
2. FRAME AND SASH REINFORCEMENT ARE COLD-ROLLED STEEL
3. GLAZING BEADS AND GASKETS ARE FLEXIBLE VINYL.



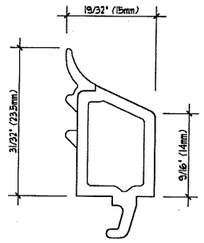
Iy = 0.038in⁴ (1.6cm⁴)
Iz = 0.082in⁴ (3.4cm⁴)

4 REINFORCEMENT 9203.1
SCALE : NTS

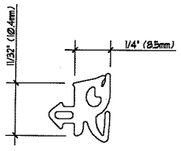


Iy = 0.029in⁴ (1.2cm⁴)
Iz = 0.086in⁴ (3.6cm⁴)

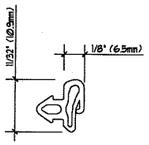
5 REINFORCEMENT 9183.1
SCALE : NTS



6 GLAZING BEADS W/ LIP SEAL 1431.1
SCALE : NTS



7 GASKET F40-45-9044
SCALE : NTS



8 GASKET F00-45-9072
SCALE : NTS

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ENGINEER SEAL:

ANDREW D. HAROLD LICENSE No. 66715 STATE OF FLORIDA PROFESSIONAL ENGINEER
1/30/09

SHEET TITLE:
COMPONENTS

SHEET INFORMATION:

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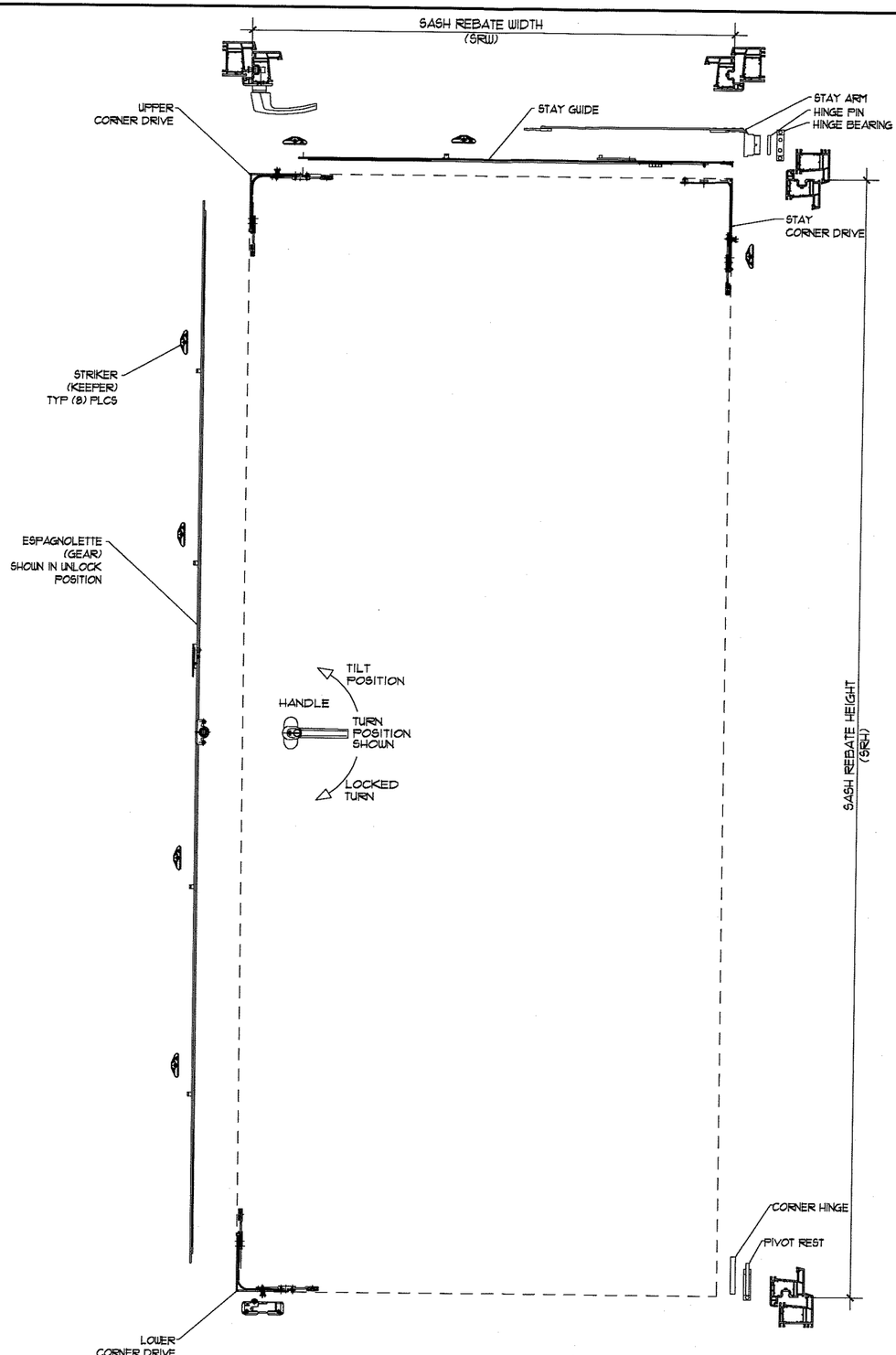
REVIEWED BY:	ADH

3.1



1 SCHEMATIC HARDWARE ASSEMBLY
SCALE : NTS
ACTUAL ASSEMBLY VARIES WITH WINDOW DOOR SIZE.
LOCK POINTS SHOWN FOR BASIC SECURITY OPTION

ROTO TILT / TURN
RIGHT HAND VERSION - VIEW FROM INTERIOR
43' x 96' OVERALL FRAME DIMS
968mm SRW x 2314mm SRH
8 LOCK POINTS

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SHEET TITLE:
SCHEMATIC HARDWARE ASSEMBLY (TILT-TURN)

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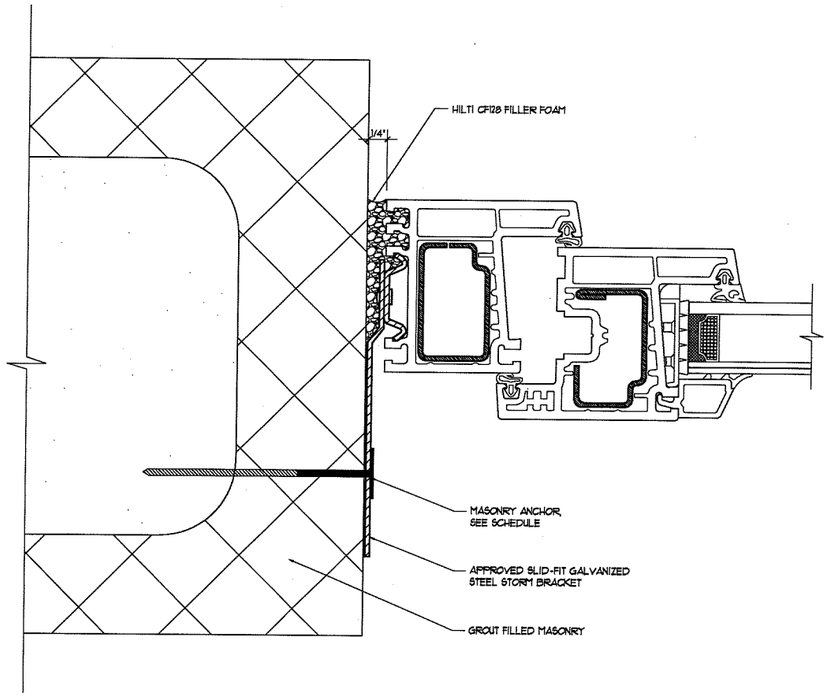
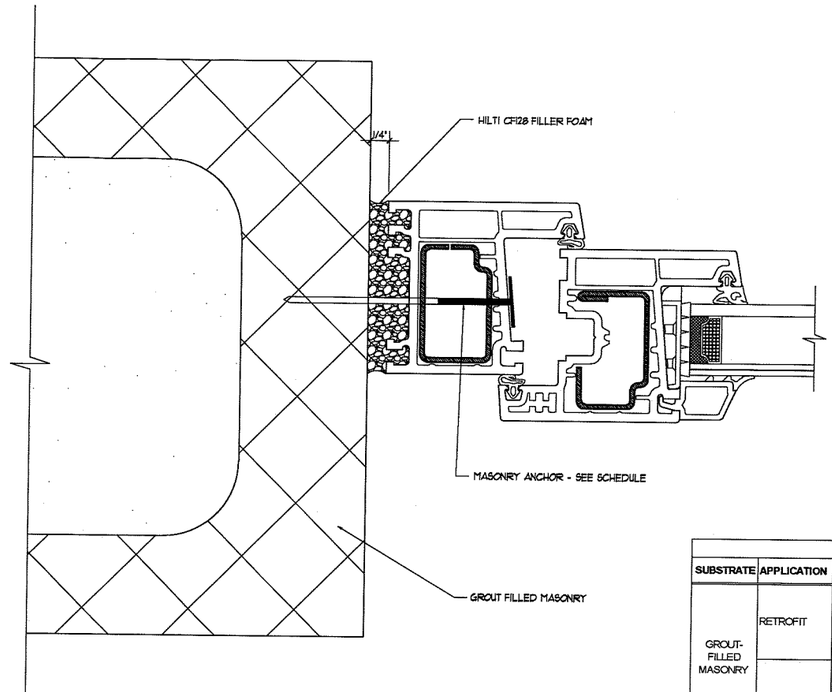
REVIEWED BY:	ADH

4.1



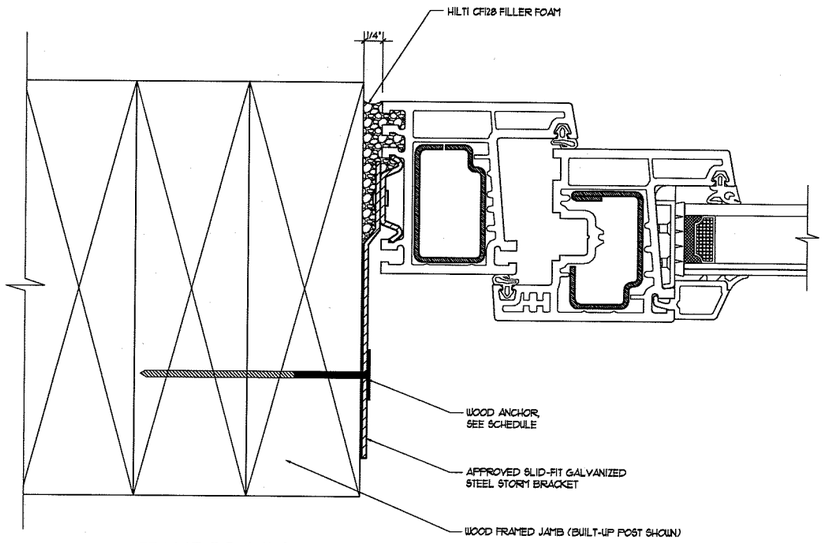
1 FRAME CONNECTION TO MASONRY - NEW CONSTRUCTION
SCALE : NTS



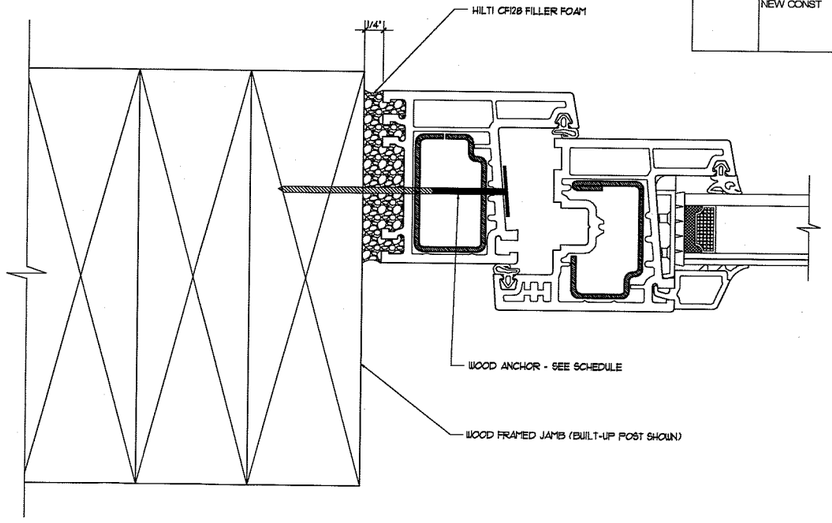
2 FRAME CONNECTION TO MASONRY - RETROFIT
SCALE : NTS

FRAME ANCHORAGE SCHEDULE

SUBSTRATE	APPLICATION	FASTENER	MIN EMBED	MIN EDGE	MIN SPACING	MAX SPACING	ALLOWABLE SHEAR
GROUT-FILLED MASONRY	RETROFIT	WURTH AMO III, TYPE 2 GALV STEEL (BLUE ANODIZED)	2-3/8"	2-1/2"	3"	11"	112 lb
	NEW CONST	1/4" x 2-1/4" TAP-CON IN APPROVED SLID-FIT GALV STEEL STORM BRACKET	1-1/4"	2-1/2"	3"	11"	265 lb
WOOD	RETROFIT	WURTH AMO III, TYPE 2 STEEL, YELLOW GALV	2-3/8"	2-1/2"	3"	11"	112 lb
	NEW CONST	#12 x 2" SS WOOD SCREWS IN APPROVED SLID-FIT GALV STEEL STORM BRACKET	1-3/8"	2-1/2"	3"	11"	160 lb



3 FRAME CONNECTION TO WOOD - NEW CONSTRUCTION
SCALE : NTS



4 FRAME CONNECTION TO WOOD - NEW RETROFIT
SCALE : NTS

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ENGINEER SEAL:

ANDREW D. HAROLD LICENSE No. 66715 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/9/09

SHEET TITLE:
FRAME ANCHORAGE DETAILS & SCHEDULE

SHEET INFORMATION:

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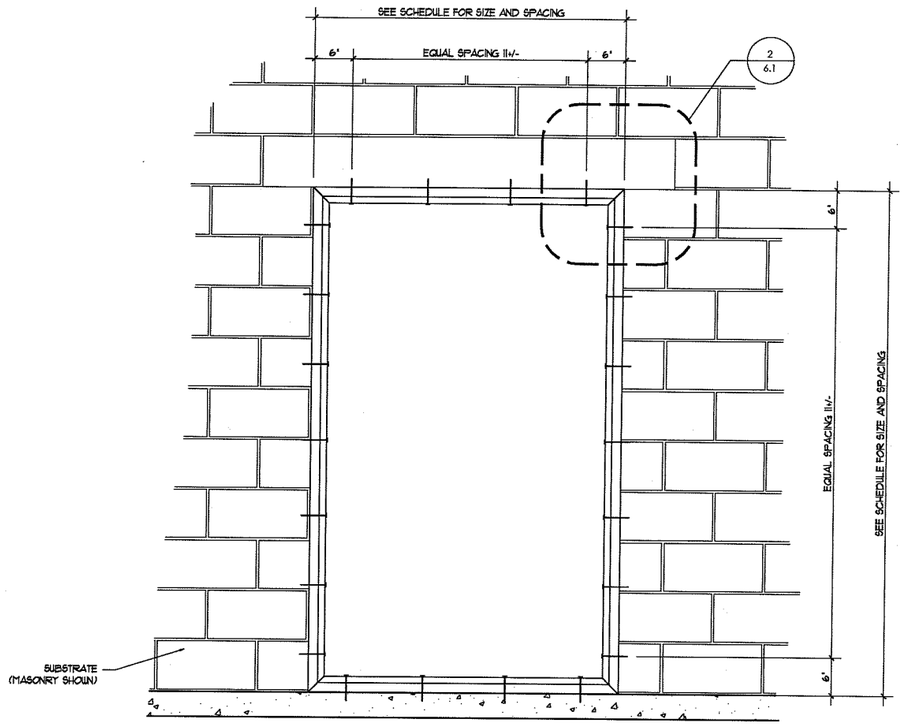
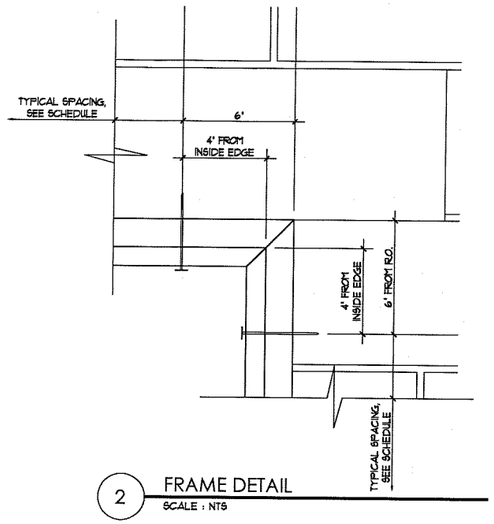


NOTE: SASH/ GLAZING NOT SHOWN FOR CLARITY. SEE SCHEDULE FOR EMBED & EDGE DISTANCE REQUIREMENTS

1 FRAME ANCHORAGE
SCALE : NTS



2 FRAME DETAIL
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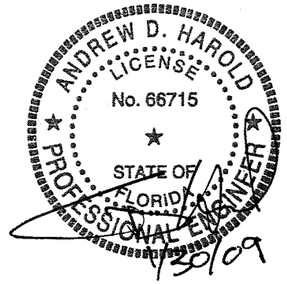

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FRAME ANCHORAGE ELEVATION

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