

Temco inc.

SPECIFICATIONS FOR
SUNROOMS AND PATIO COVERS WITH
3 INCH WALL MULLIONS

PAGE NUMBER
COVER SHEET

INDEX OF SHEETS

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\\\\temocad\e-root\11x17\3F AIRBANKS\COVER

COVER SHEET

Temco inc.

20400 HALL ROAD * CLINTON TOWNSHIP * MICHIGAN 48038
586-286-0410 1-877-218-8366 FAX 586-226-1703

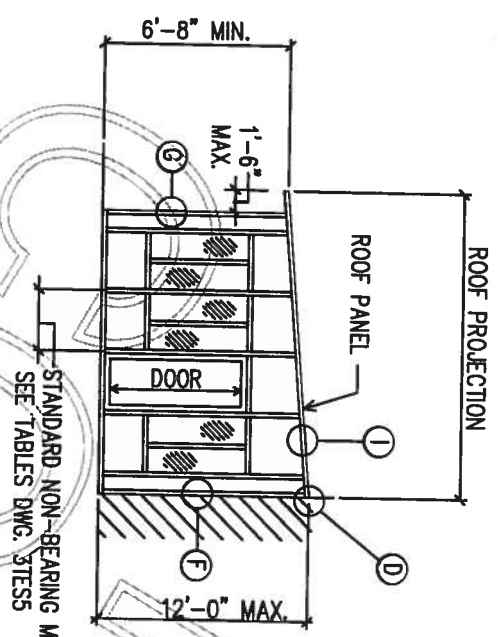
WHERE REQUIRED THESE PLANS HAVE BEEN
SIGNED AND SEALED BY A PROFESSIONAL
ENGINEER. ONLY AN ORIGINAL SIGNATURE
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SEAL INDICATE THE VALIDITY OF THAT
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ICC LEGACY REPORT PFC-5178
ICC LEGACY REPORT ER-5262-P
UL 58SL
FLORIDA PRODUCT APPROVAL 5505
FLORIDA PRODUCT APPROVAL 3857
FLORIDA PRODUCT APPROVAL 3521

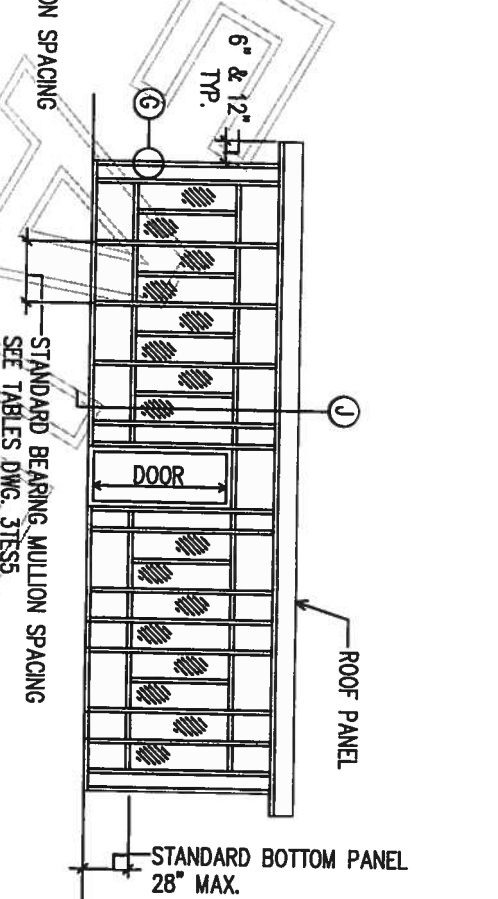
VOID IF SUBMITTED AFTER
JUNE 30, 2006

DATE: JANUARY 10, 2006
ROBERT A. WALZ, PE
20400 HALL ROAD
CLINTON TWP., MI
LICENSE/PE-0000056
DWG. NO.:
3TES
COVER SHEET

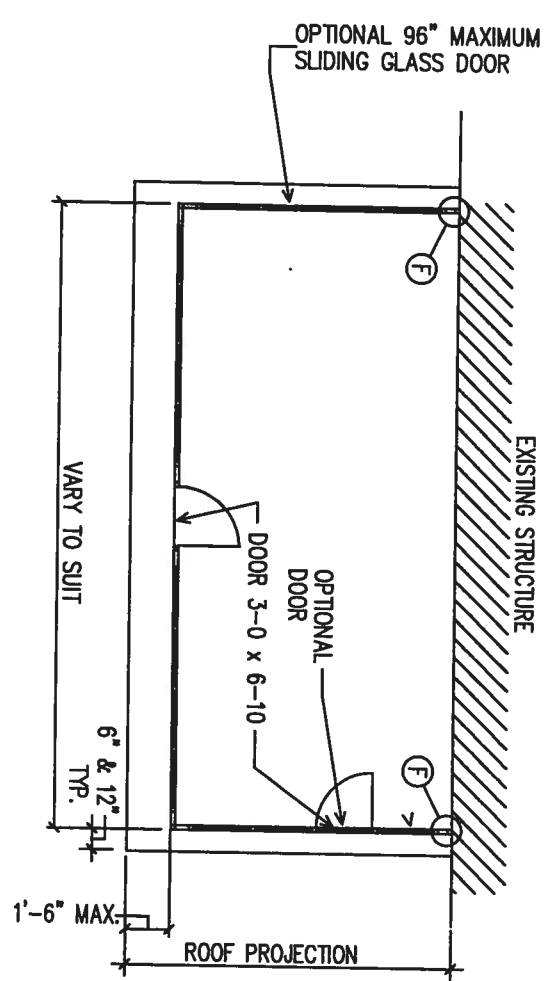
SIGNED AND SEALED
ON 01/10/06

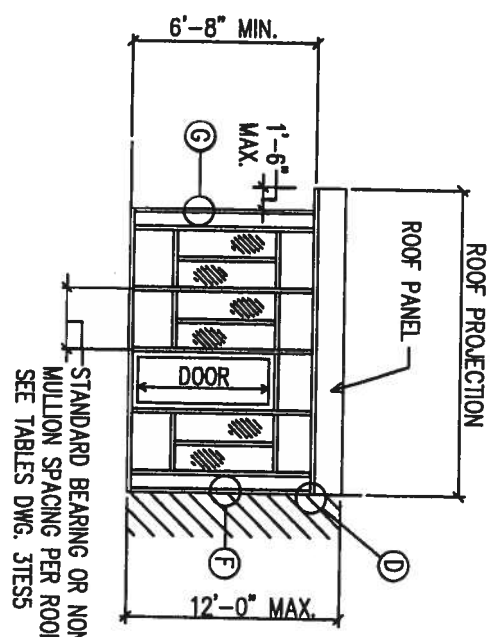
SUNROOM END WALL ELEVATION



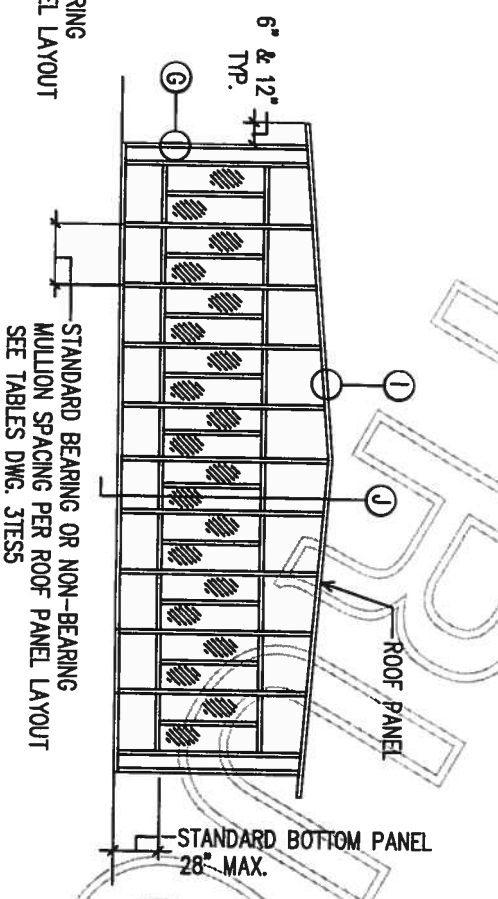
SUNROOM FRONT WALL ELEVATION



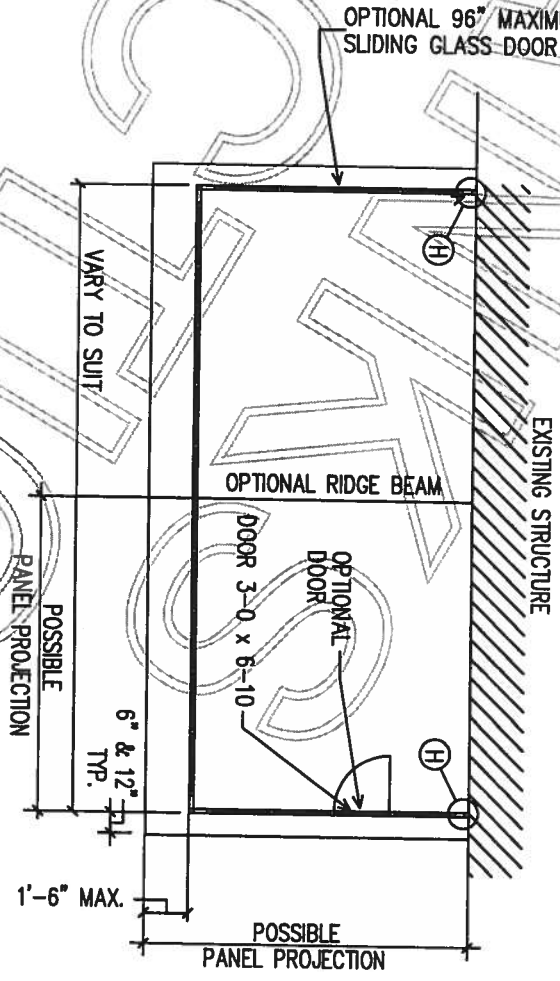
TYPICAL STUDIO ROOF SUNROOM PLAN



SUNROOM END WALL ELEVATION



SUNROOM FRONT WALL ELEVATION



TYPICAL CABLE ROOF SUNROOM PLAN

NOTE:
ALL SECTIONS & DETAILS REFERENCED
HERE ARE SHOWN ON SHEET 3TES3.

\\temocad\6-root\11x17\3F AIRBANKS1

Robert A. Walz
ROBERT A. WALZ, PE
20400 HALL ROAD
CLINTON TWP., MI
LICENSE #PE-0040468

DATE: JANUARY 10, 2006
FLOOR PLAN
ELEVATIONS &
ROOF PLAN
3TES1
1 OF 7

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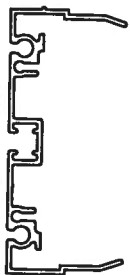
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ICC LEGACY REPORT ER-5262-P
UL 58SL
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FLORIDA PRODUCT APPROVAL 3857
FLORIDA PRODUCT APPROVAL 3521

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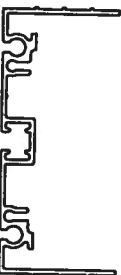
3TES1

GENERAL NOTES & SPECIFICATIONS

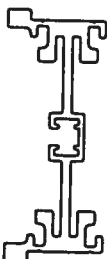
- THIS PATIO COVER SYSTEM IS TO BE INSTALLED UNDER THE ROOF PANEL SHOWN ON DRAWING NO. 3TES4 OR UNDER A CODE-APPROVED EXISTING ROOF.
- DESIGN LOADS: SEE TABLES FOR DESIGN LOADS AS SPECIFIED PER CHAPTER 16 OF THE 2004 FLORIDA BUILDING CODE AND ASCE 7-02.
- SCREW FASTENERS SHALL BE THE SIZES SHOWN AND SHALL BE STAINLESS STEEL, ZINC PLATED, GALVANIZED STEEL OR 2024-T4 ALUMINUM.
- ALL STRUCTURAL COMPONENTS OF THIS PATIO COVER SYSTEM EXCEPT SOLID PANELS ARE OF ALLOY & TEMPER 6063-T5 UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL EXTERIOR PORTIONS OF THE SOLID WALL PANEL WHICH ARE SUBJECT TO WATER INTRUSION SHALL BE FULLY CAULKED.
- OPENINGS IN THE WALL MAY BE COVERED WITH A WIND BREAK MADE OF TEmPERED GLASS WITH A MINIMUM THICKNESS OF 1/8 INCH THAT COMPLIES WITH THE CODE.
- WHERE THE ROOF PANEL SPAN IS PARALLEL TO THE EXISTING WALL OF THE RESIDENCE, THE ADEQUACY OF THE EXISTING WALL SUPPORT STRUCTURE (STUDS, HEADERS, BEAMS ETC.) SHALL BE VERIFIED BY AN INDEPENDENT SOURCE FOR THE ATTACHMENT OF THE RIDGE BEAM. THE ADEQUACY OF THE EXISTING FRAMING IS NOT A PART OF THIS DESIGN OR APPROVAL.
- THE BEARING SYSTEM MILLIONS HAVE BEEN DESIGNED FOR LOAD COMBINATIONS REQUIRED BY THE 2004 FLORIDA BUILDING CODE.
- ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED PER THE 2004 FLORIDA BUILDING CODE.
- CONCRETE EXPANSION ANCHORS SHALL BE "TRU FAST ZAMAC MALLIN" "MILLI KIM-BOLT" IF ANCHORS OR EQUIVALENT. THE 1/4" ANCHORS SHALL HAVE A MINIMUM TENSION VALUE IN CONCRETE OF 565 POUNDS. WOOD LAGS SHALL BE 1/4" BY 3" GALVANIZED LAG BOLTS.
- ALL EXISTING WOOD IS TO HAVE A MINIMUM SPECIFIC GRAVITY OF 0.48.
- SEE TABLES (A) AND (B) ON SHEET 3TES5 FOR DESIGN WIND LOADS.
- THESE PATIO COVER AND SUNROOM STRUCTURES ARE INTENDED FOR RESIDENTIAL USE ONLY.
- EVALUATION REPORT ER-5262-P WAS REVIEWED TO THE 1997 UNIFORM BUILDING CODE.



3.00" STANDARD MALE
(2729) 1



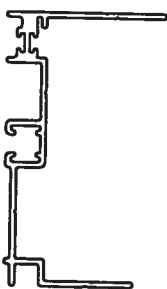
3.00" STANDARD FEMALE
(2696) 2



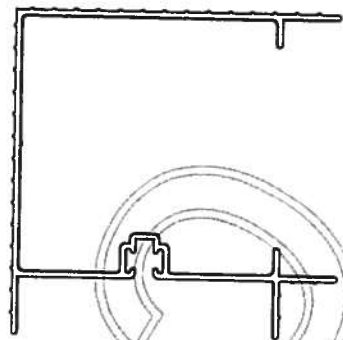
3.00" WALL STUD
(48162) 3



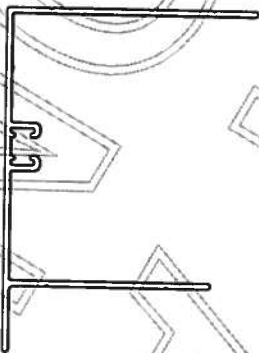
3.00" 45° ADAPTER
(5800) 4



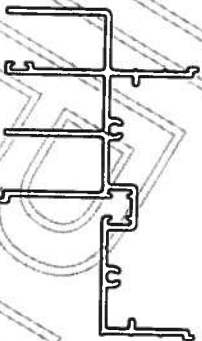
3.00" BASE/WALL CAP
(44544) 5



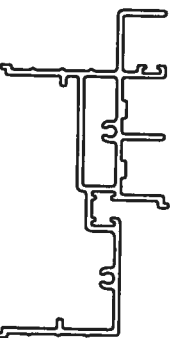
3.00" CORNER
(3549) 6



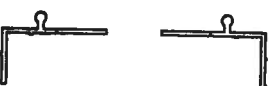
3.00" TOP TRACK/EXPANDER
(8544) 7



3.00" HEADER
(11148) 8



3.00" SILL
(11147) 9



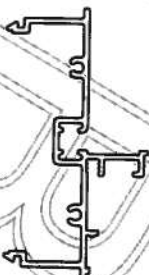
3.00" KP ADAPTER
(2664) 10



3.00" LEFT JAMB
(11149) 11



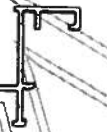
3.00" RIGHT JAMB
(11150) 12



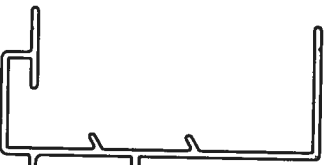
3.00" TRANSOM HEADER
(11132) 13



3.00" TRANSOM SILL
(11129) 14



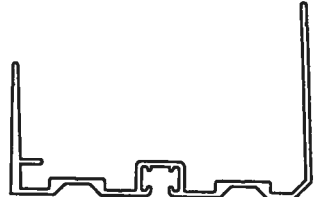
TRANSOM JAMB
(11002) 15



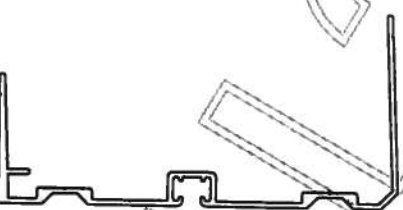
RAIN GUTTER
(44215) 17



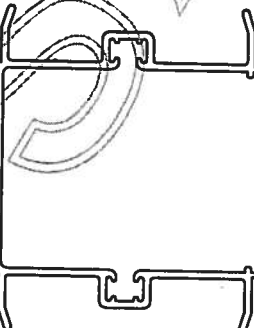
"C" FASCIA
(44216) 18



3.00" HANGING RAIL
(5803) 19



4.25" HANGING RAIL
(5859) 20



3.00" VERTICAL RACEWAY
(8289) 21



VERTICAL RACEWAY CAP
(8291) 16

3.00" SUNROOM
SYSTEM * PARTS
DETAILS & NOTES

Temo inc.

20400 HALL ROAD * CLINTON TOWNSHIP * MICHIGAN 48038
810-288-0410 1-800-344-8366 FAX 810-288-5409

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FLORIDA PRODUCT APPROVAL 5505
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UL 58SL
FLORIDA PRODUCT APPROVAL 3857
FLORIDA PRODUCT APPROVAL 1804

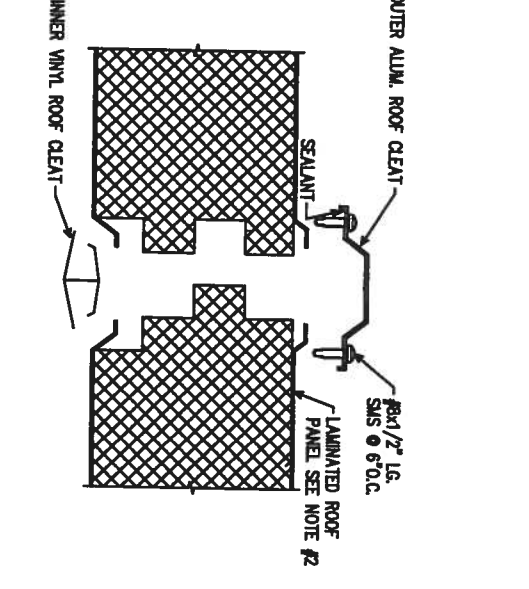
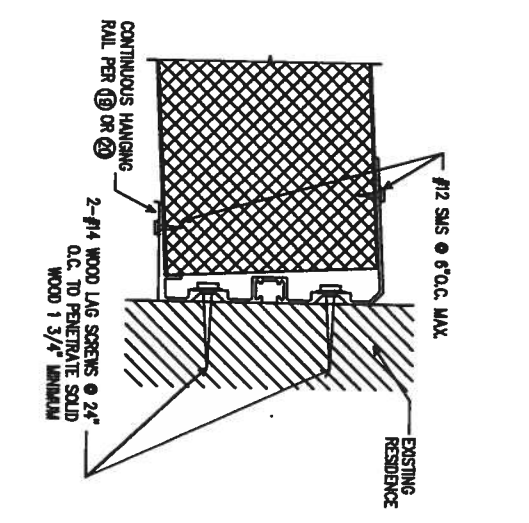
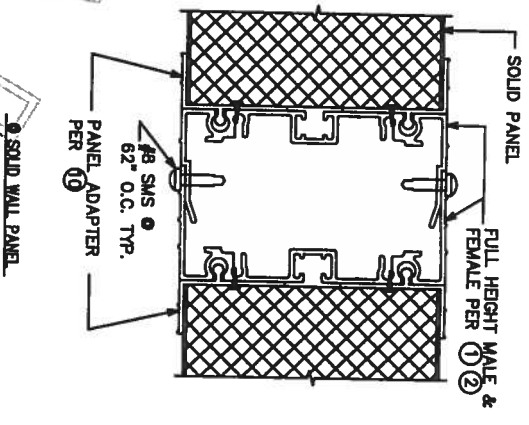
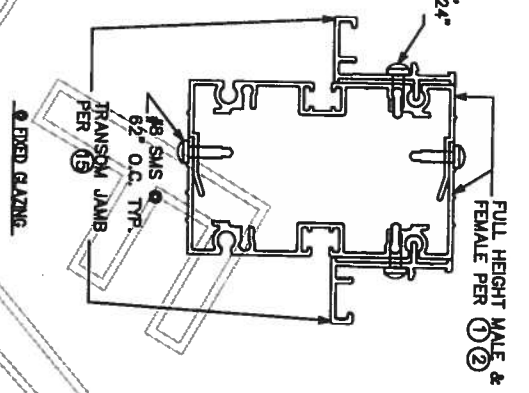
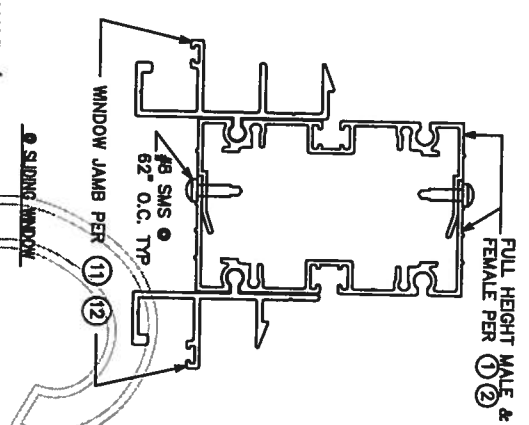
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JUNE 30, 2006

DATE:

JANUARY 10, 2006

ROBERT A. WALZ, P.E.
20400 HALL ROAD
CLINTON TWP., MI
LICENSE#PE-0004066

3TES2
2 OF 7

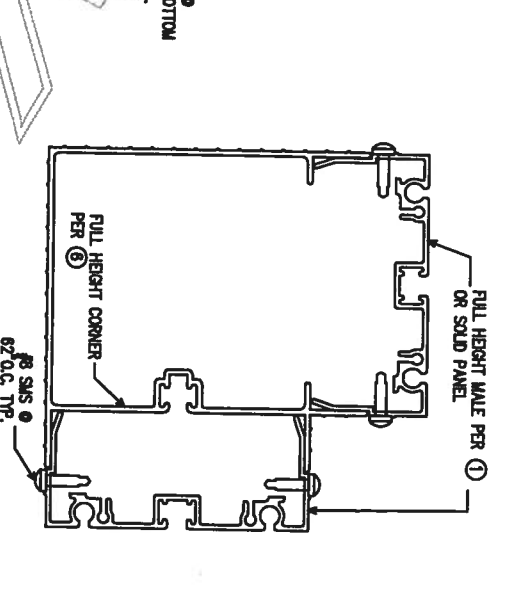
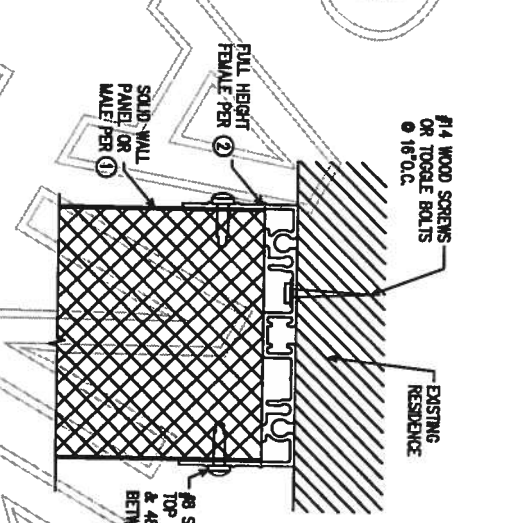
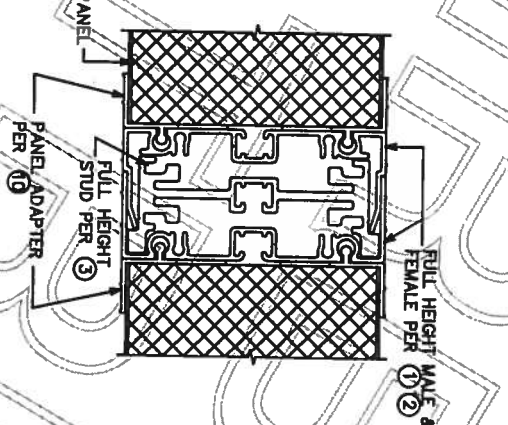
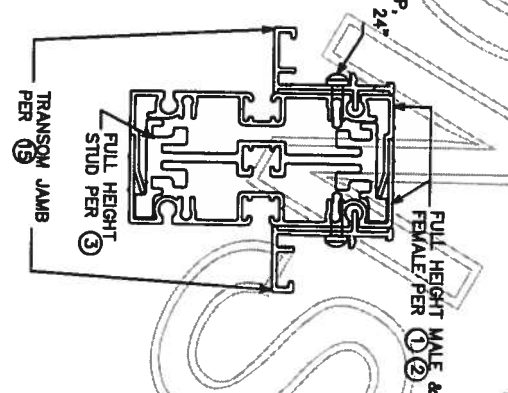
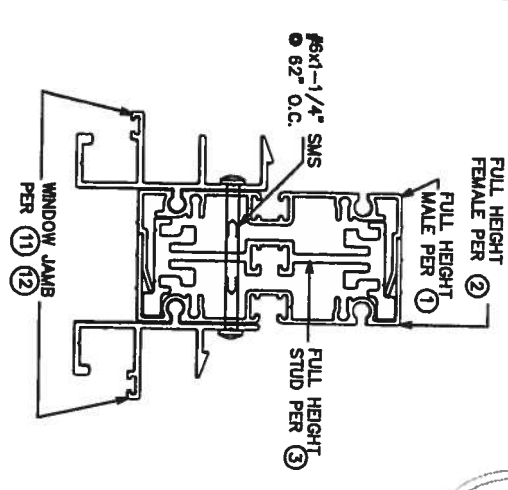


MALE / FEMALE MULLIONS

A

ROOF PANEL/WALL ATTACHMENT D

ROOF PANEL SPLICE E

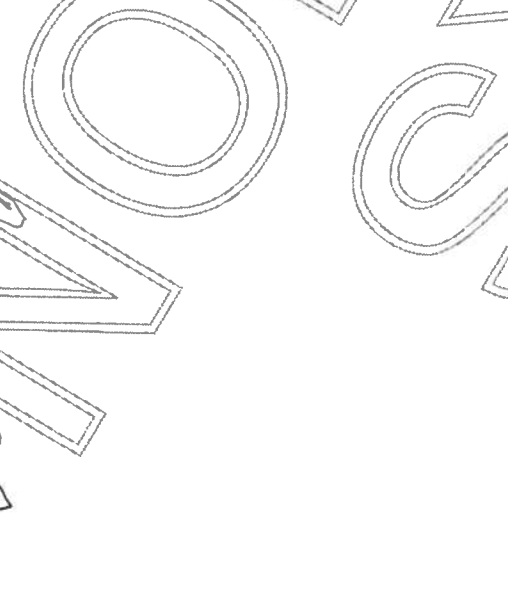
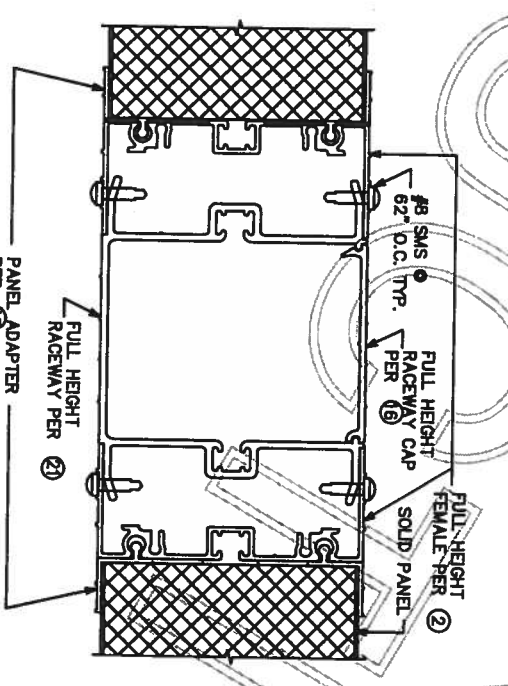
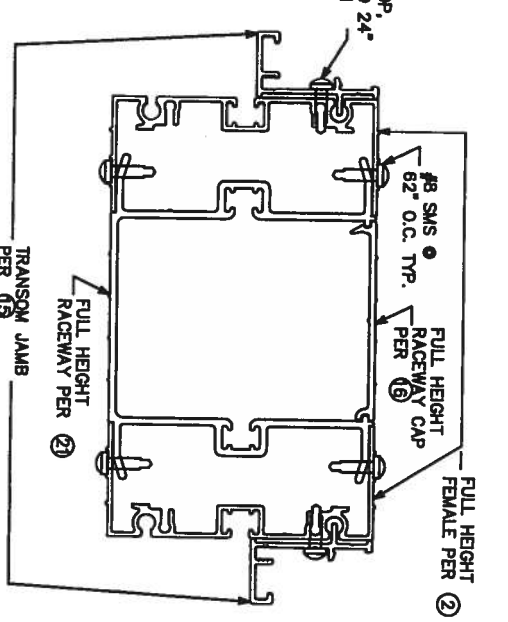
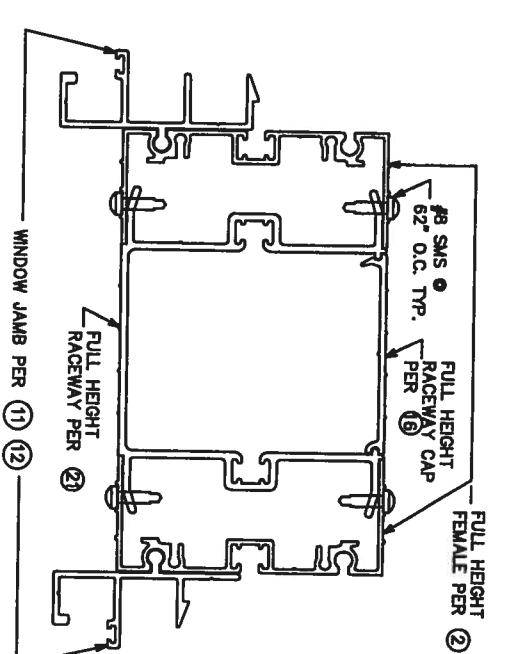


MALE/WALL STUD/FEMALE

B

CONNECTION HOUSE F

CORNER G



MALE/RACEWAY/MALE MULLIONS

MALE/RACEWAY/MALE MULLIONS

MALE/RACEWAY/MALE MULLIONS

\\temo\prod\11\17\3\FAIRBANKS3

SIGNED AND SEALED
DATE: JANUARY 10, 2008
ROBERT A. WALZ, PE
20400 HALL ROAD
CLINTON TWP., MI
LICENSE#PFC-0004066

#12x4" SMS W/3/4" O.D. ALUMINUM WASHER
& NEOPRENE INSERT SPACED @ 6" O.C.

2-#8 TEK SCREWS
EACH SIDE OF MULLION

CONTINUOUS PANEL GUTTER
W/#8 SMS @ 12" O.C. TOP &
BOTTOM TO ROOF PANEL
SEE 17

BASE/WALL CAP SEE 5

TOP EXPANDER SHALL
BEAR FIRMLY ON MULLION
SECTION PRIOR TO INSTAL-
LATION OF FASTENERS

1/4" EXPANSION ANCHORS
@ 120 MPH WIND
LOCATE 1-ANCHOR 2 1/4" EACH
SIDE OF MULLION. SEE NOTE #10

BASE/WALL CAP SEE 5
SAME AS BEARING EXPANDER
TO MULLION

BASE/WALL CAP SPICE
TO BE 8" MINIMUM
FROM VERTICAL MULLION
EXIST. OR NEW CONCRETE
SLAB IN GOOD CONDITION

PIERS OR FOOTINGS
PER LOCAL CODE.
1-1/2" MIN. @ 1/4" Ø
ANCHORS

1 1/2" MIN.
3 1/2" MIN.

28" MAX. LOWER SECTION

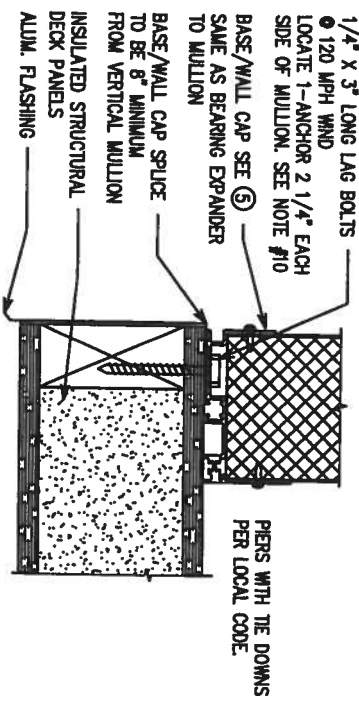
4'-4" MINIMUM OPENING

UPPER TRANSOM

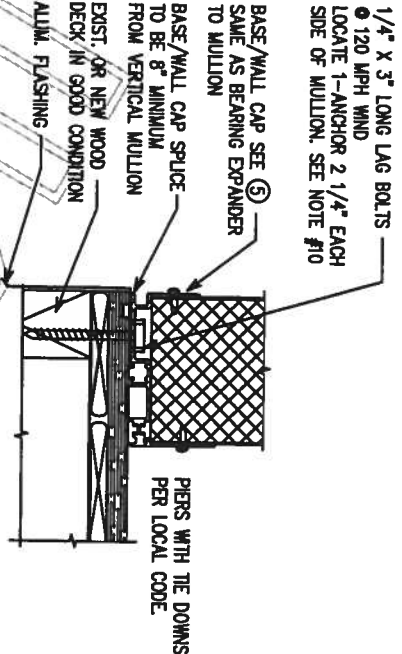
HEIGHT VARIES SEE TABLES ON DRAWING NO. 4AES5

BEARING WALL SECTION

J



BEARING WALL SECTION ON
TEMPO APPROVED DECK PANELS



BEARING WALL SECTION
ON WOOD DECK

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JUNE 30, 2006

**3" SUNROOM
DECK AND SLAB
ATTACHMENT DETAILS**

DATE: JANUARY 10, 2006
ROBERT A. WALZ, P.E.
20400 HALL ROAD
CLINTON TWP., MI
LICENSED P.E.-0040466
DWG. NO.: 3TES4
1 OF 7

TABLE "A": BEARING WALL MULLIONS			
MAXIMUM MULLION SPACING	MULLION TYPE		
	DET. ①	DET. ②	DET. ③
30 PSF UPLIFT LOAD, 120 MPH WIND			
36" C/C	9'-6"	10'-6"	10'-3"
46" C/C	9'-3"	10'-3"	10'-0"
56 1/2" C/C	9'-0"	10'-0"	9'-9"

TABLE "B": NON-BEARING WALL MULLIONS			
MAXIMUM MULLION SPACING	MULLION TYPE		
	DET. ①	DET. ②	DET. ③
120 MPH WIND			
36" C/C	12'-6"	13'-6"	13'-0"
46" C/C	12'-3"	13'-3"	12'-9"
56 1/2" C/C	12'-0"	13'-0"	12'-6"

TABLE "C": MAXIMUM ROOF PANEL SPANS*		
DESIGN LOAD	PANEL DESIGNATION	
30 PSF UPLIFT LOAD	T-3-2-32	T-4.25-2-32
120 MPH WIND	13'-9"	15'-7"

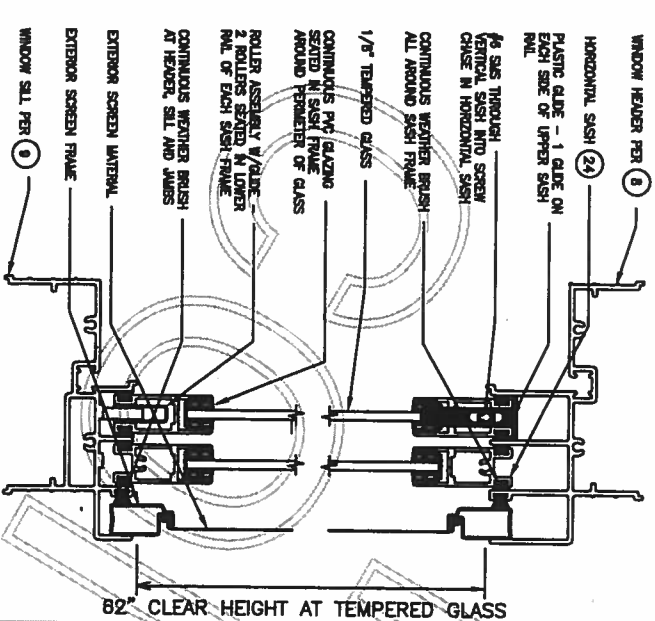
* MAXIMUM PANEL OVERHANG IS 1'-6"
MINIMUM ROOF PANEL SLOPE IS
1/2 INCH PER FOOT

DESIGN CRITERIA FOR FAIRBANKS CONSTRUCTION OF OCALA, FLORIDA

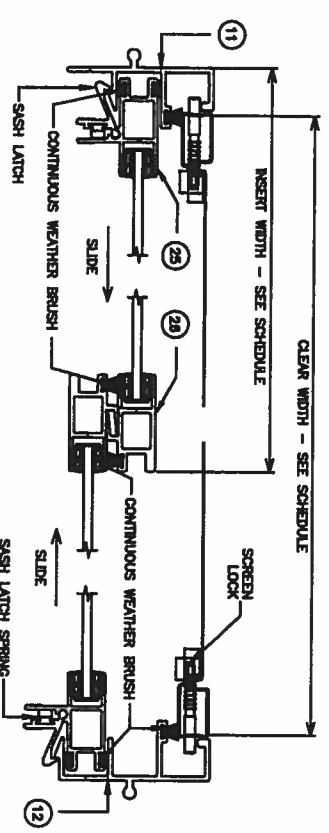
- 1) BASIC WIND SPEED: 120 MPH
- 2) WIND IMPORTANCE FACTOR: 1
- 3) WIND EXPOSURE CATEGORY: B
- 4) EXPOSURE CLASS: PARTIALLY ENCLOSED
- 5) INTERNAL PRESSURE COEFFICIENT: 0.18
- 6) COMPONENTS WIND PRESSURES:
 ROOF ZONE 1: +12.0 PSF, -29.3 PSF
 ROOF ZONE 2: +12.0 PSF, -39.2 PSF
 ROOF ZONE 3: +12.0 PSF, -47.2 PSF
 WALL ZONE 4: +30.8 PSF, -32.7 PSF
 WALL ZONE 5: +30.8 PSF, -37.9 PSF

Robert A. Walz
 SIGNED AND SEALED
 08-01/49/08

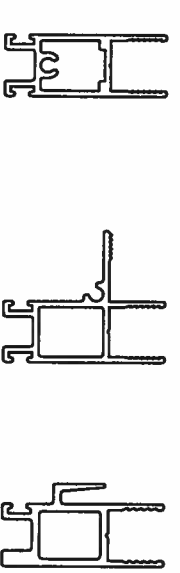
1/8" GLASS



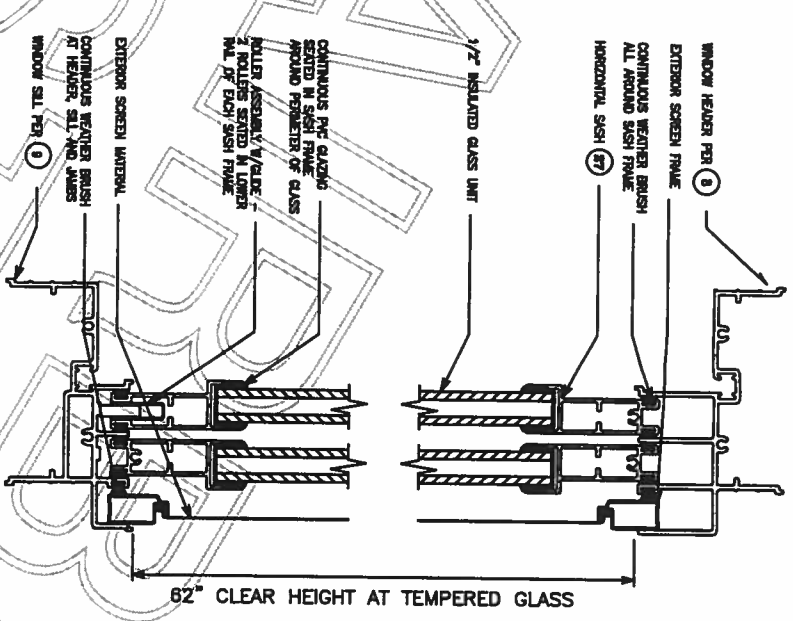
SIDE VIEW



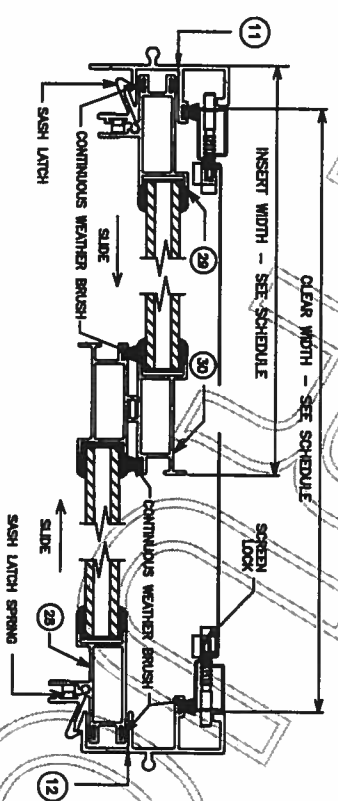
TOP VIEW



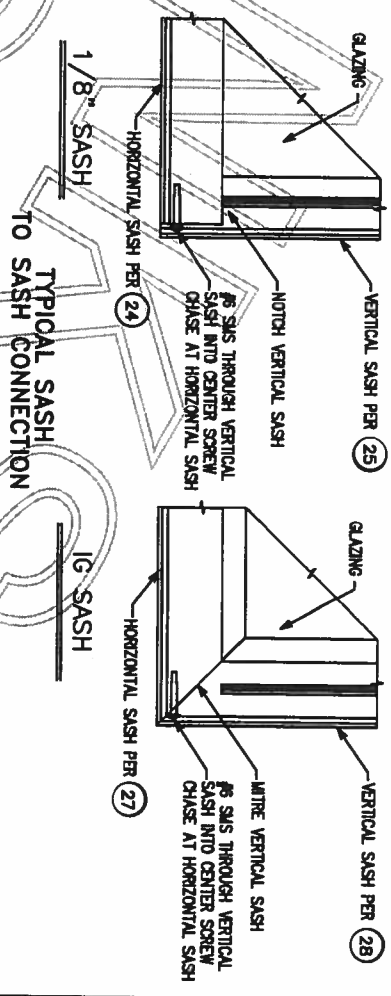
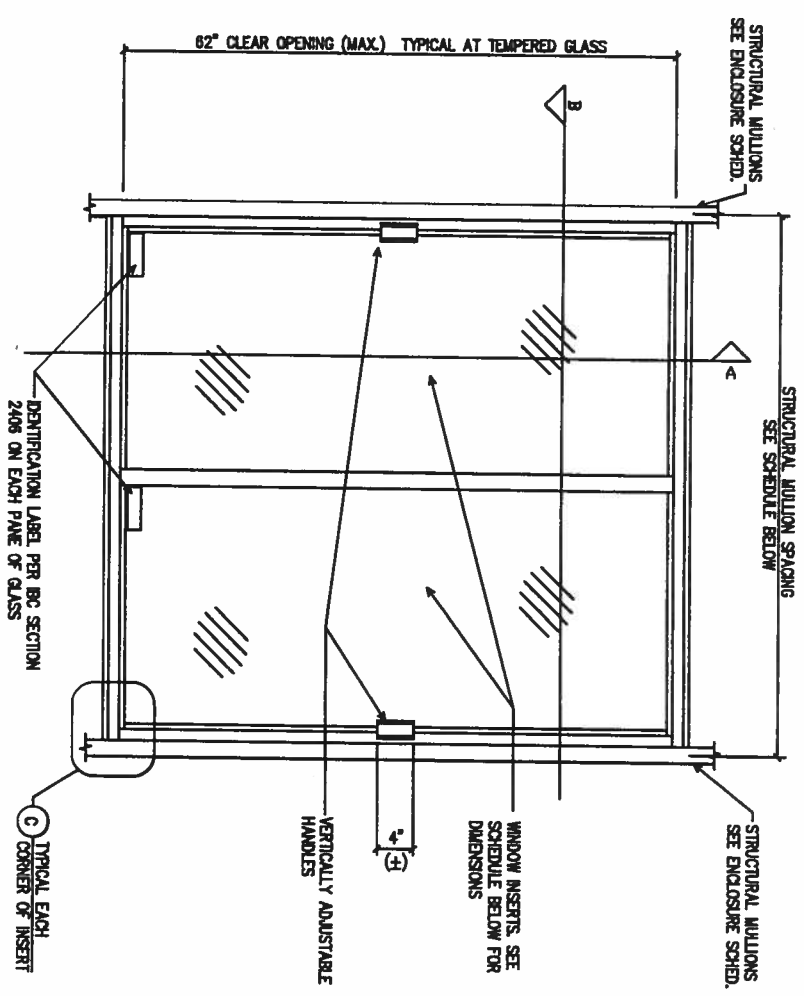
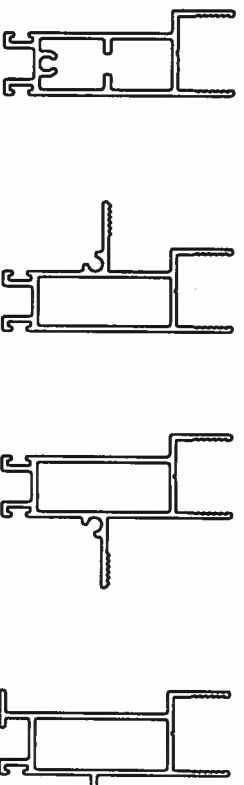
IG GLASS UNITS



SIDE VIEW



TOP VIEW



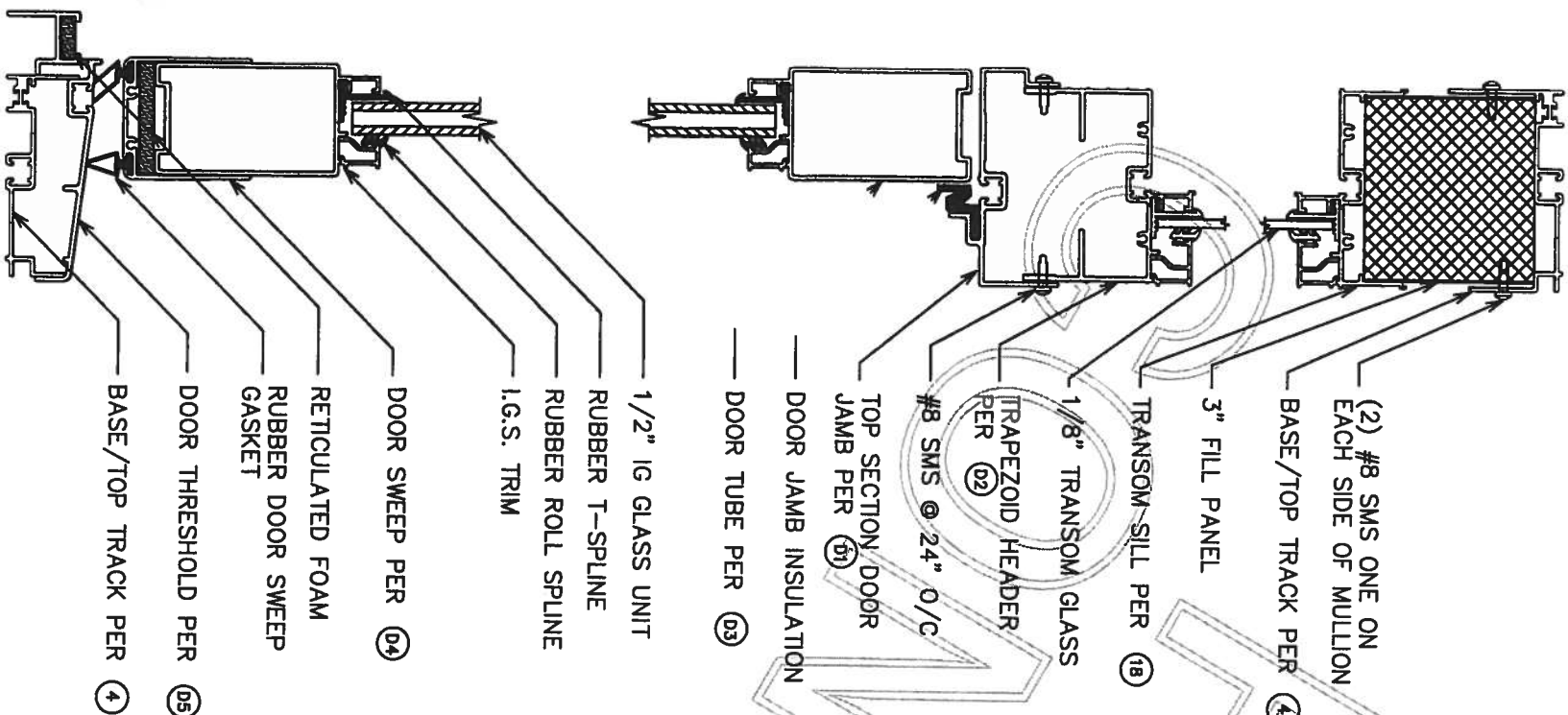
ASSEMBLED WINDOW ELEVATION GENERAL REQUIREMENTS AND CONDITIONS

1. TEMPERED GLASS SUBJECT TO HUMAN IMPACT COMPLIES WITH SECTION 2406 OF THE 2003 INTERNATIONAL BUILDING CODE.
2. TEMPERED GLASS INSTALLED IN AREAS WITH BASIC WIND SPEEDS OF 120 MPH COMPLIES WITH SECTION 2404 OF THE 2003 INTERNATIONAL BUILDING CODE AND SECTION 2405.3 OF THE 2004 FLORIDA BUILDING CODE.
3. THE GLASS INSERT ASSEMBLY IS REMOVABLE.
4. THE OPENINGS COMPLY WITH AMCA 100 AS 2 AS REQUIRED BY SECTION 1714.5.1 OF THE 2003 INTERNATIONAL RESIDENTIAL CODE.

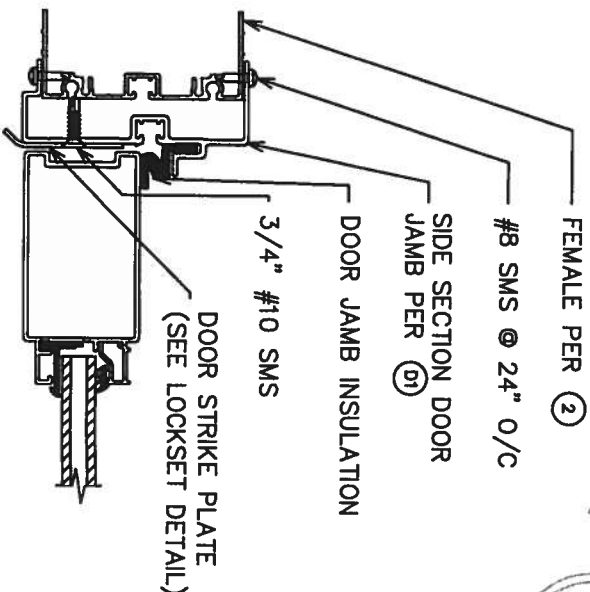
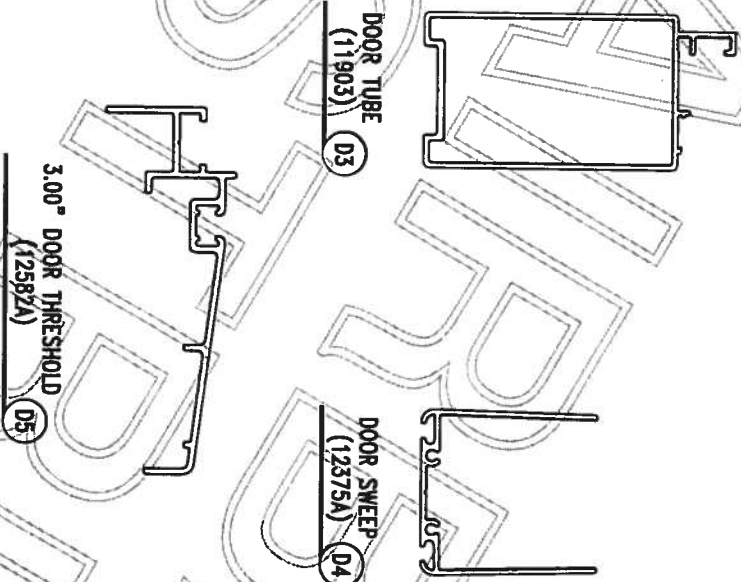
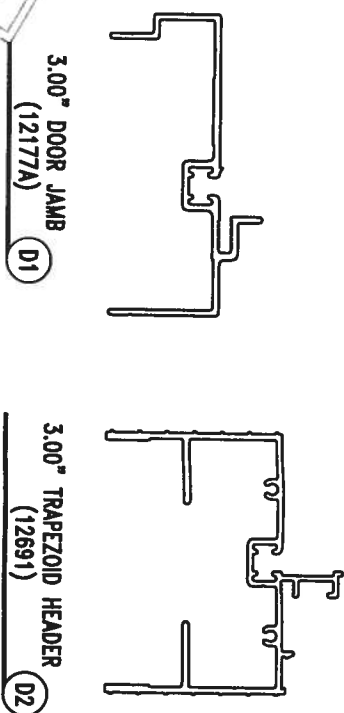
INSERT REMOVAL: SLIDE INSERT TO AN OPEN POSITION AND LET UP WHILE PULLING THE BOTTOM TOWARDS THE INSIDE OF THE ENCLOSURE. LOWER THE INSERT WHILE CONTINUING TO PULL INWARD. SCREEN REMAINS, LET ALL SCREEN LOCKS TO A HORIZONTAL POSITION. RETURN ON THE LOWER LEFT AND RIGHT LOCK, LET UP AND PUSH THE SCREEN OUTWARD. PULL DOWN ON THE LOCKS TO REMOVE SCREEN FROM THE HEADER.

WINDOW SCHEDULE - TEMPERED GLASS							
STRUCTURAL MULLION SPACING	INSERT (A) DIMENSIONS GLAZING WIDTH x HEIGHT	INSERT (B) DIMENSIONS GLAZING WIDTH x HEIGHT	MAX. INSERT HEIGHT (GLASS)		CLEAR OPENING DIMENSIONS WIDTH x HEIGHT		
			Ø 1/8" GLASS	1/2" 1/8 PANEL			
56.5" C/C	28.188" x 82"	28" x 80"	22.54	39.54	53.5" x 82"		
44.5" C/C	22.875" x 82"	20.75" x 80"	18.54	33.254	41.5" x 82"		
36" C/C	18.025" x 82"	16.5" x 80"	18.4	28.59	33.5" x 82"		

DATE: JANUARY 10, 2008
ROBERT A. WALZ, P.E.
20400 HALL ROAD
CLINTON TWP., MI 48038
LICENSE # PE-0040488
DWG. NO.: 3TES6
8 OF 7



SIDE CROSS SECTION



BASE/TOP TRACK PER (4)

3" FILL PANEL

TRANSOM SILL PER (18)

TRAPEZOID HEADER PER (02)

TOP SECTION DOOR JAMB PER (01)

SIDE SECTION DOOR JAMB PER (01)

DOOR TUBE PER (03)

FEMALE PER (2)

LOCKSET W/ DEADBOLT

DOOR HINGE

DOOR SWEEP PER (04)

DOOR THRESHOLD PER (05)

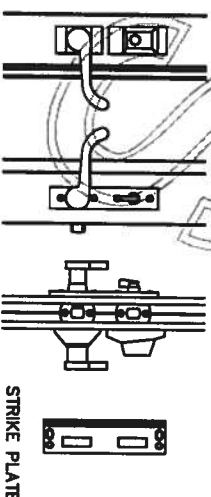
BASE/TOP TRACK PER (4)

DOOR TUBE PER (03)

4" STEEL HINGE (TYP.) 3 SETS - (SEE EXPLODED VIEW)

3/4" #10 SMS 8 PER HINGE

EXPLODED VIEW



LOCKSET DETAIL

ASSEMBLED DOOR GENERAL REQUIREMENTS AND CONDITIONS

1. TAPERED GLASS-SUBJECT TO HUMAN IMPACT COMPLIES WITH SECTION 2406 OF THE 2004 FLORIDA BUILDING CODE.
2. TAPERED GLASS-INSTALLED IN AREAS WITH BASIC WIND SPEEDS OF 120 MPH AND GREATER COMPLIES WITH SECTION 2404 OF THE 2004 FLORIDA BUILDING CODE.
3. THE OPENINGS COMPLY WITH ANA-101/122 AS REQUIRED BY SECTION R613.3 OF THE 2003 INTERNATIONAL RESIDENTIAL CODE AND SECTION 174.4.1 OF THE 2003 INTERNATIONAL BUILDING CODE.

TOP CROSS SECTION

\\temoad\p-root\11x17\3FAIRBANKS7

SEALED AND SIGNED ON 01/10/08

3.00" SUNROOM
DOOR PARTS
DETAILS & NOTES

Temo inc.

20400 HALL ROAD * CLINTON TOWNSHIP * MICHIGAN 48038
810-288-0410 1-800-344-8366 FAX 810-288-5409

WHERE REQUIRED THESE PLANS HAVE BEEN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER. ONLY AN ORIGINAL SIGNATURE WITH A RED WET STAMP OR AN EMBOSSED SEAL INDICATE THE VALIDITY OF THAT SIGNATURE.

ICC LEGACY REPORT PFC-5176
ICC LEGACY REPORTER-5262-P
UL 58SL
FLORIDA PRODUCT APPROVAL 5505
FLORIDA PRODUCT APPROVAL 3857
FLORIDA PRODUCT APPROVAL 3521

VOID IF SUBMITTED AFTER
JUNE 30, 2006

DATE: JANUARY 10, 2006
ROBERT A. WALL, PE
20400 HALL ROAD
CLINTON TWP., MI
LICENSE/PE-0040456

3TEST7
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