

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ) & IS LARGE MISSILE IMPACT RATED.
5. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
6. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCEING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
9. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. PRODUCT ASSEMBLY SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
10. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.
11. ALL WOOD MEMBERS OF THIS PRODUCT THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC REQUIREMENTS.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/NAIL FIN/BRICK MOLD TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
NAILING FIN & BRICK MOLD FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	10 GA. ROOFING NAIL	1 7/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).

CORNER CONSTRUCTION:

RECTANGULAR FRAME: MEMBERS ARE RABBETTED, BUTTED AND JOINED WITH THREE(3) 16GA. X 7/16" X 1 3/4" STAPLES THROUGH THE HORIZONTAL FRAME MEMBERS INTO THE VERTICAL MEMBERS & TWO(2) 16GA. X 7/16" X 1 3/4" STAPLES THROUGH THE VERTICAL MEMBERS INTO THE HORIZONTAL MEMBERS. CORNERS ARE SEALED WITH POLYURETHANE SEALANT.

SHAPED FRAME (EYEBROW TOP): HEAD TO JAMB MEMBERS ARE MITERED, BUTTED, AND JOINED WITH 3 NO. 8 X 2" WOOD SCREWS THROUGH THE VERTICAL MEMBERS INTO THE HORIZONTAL MEMBER.

SHAPED FRAME (HALF ROUND): HEAD/JAMB TO SILL MEMBERS ARE MITERED, BUTTED, AND JOINED WITH 2 NO. 8 X 2" WOOD SCREWS THROUGH THE VERTICAL MEMBERS INTO THE HORIZONTAL MEMBERS AND 2 NO. 8 X 2" WOOD SCREWS THROUGH THE HORIZONTAL MEMBERS INTO THE VERTICAL MEMBERS. CORNERS ARE SEALED WITH POLYURETHANE SEALANT.

RECTANGULAR SASH (TOP RAIL TO STILE): MEMBERS ARE COPEd, BUTTED AND JOINED WITH THREE(3) 1/4" X 1 3/8" DOWELS AND PVA RESIN PER SASH JOINT.

RECTANGULAR SASH (BOTTOM RAIL TO STILE): MEMBERS ARE COPEd, BUTTED AND JOINED WITH FIVE(5) 1/4" X 1 3/8" DOWELS AND PVA RESIN PER SASH JOINT

SHAPED SASH (EYEBROW TOP RAIL TO STILE): MEMBERS ARE MITERED, BUTTED AND JOINED WITH 2 NO. 8 X 2" WOOD SCREW THROUGH THE HORIZONTAL MEMBER INTO THE VERTICAL MEMBERS AND PVA RESIN PER SASH JOINT.

SHAPED SASH (HALF ROUND TOP RAIL TO STILE): MEMBERS ARE MITERED, BUTTED AND JOINED WITH 1 NO. 8 X 2" WOOD SCREW THROUGH THE HORIZONTAL MEMBER INTO THE VERTICAL MEMBERS AND 1 NO. 8 X 2" WOOD SCREW THROUGH THE VERTICAL MEMBERS INTO THE HORIZONTAL MEMBER AND PVA RESIN PER SASH JOINT.

FRAME CLAD: MITERED MEMBER ARE JOINED VIA A CORNER KEY (ITEM #36 FOR RECTANGULAR UNITS AND ITEM #38 FOR SHAPED UNITS) & WITH 2 NO. 6 X 3/8" SMS SCREW PER CORNER. ALL CORNERS ARE SEALED WITH POLYURETHANE SEALANT.

SASH CLAD: RAIL CLADDING IS COPEd INTO STILE CLADDING & MEMBERS ARE SECURED TO THE SASH WITH CLADDING RETAINER (PART #30).

MULLION ENDS: THE OPPOSING JAMBS AT THE MULLION ENDS SHALL BE JOINED WITH THREE(3) 1/2" X 1" CORRUGATED FASTENERS SPACED 1 1/2" APART & A SINGLE 0.039" X 2 3/4" X 10" 50 KSI GALVANIZED STEEL MULLION END REINFORCEMENT PLATE. THE PLATE IS SECURED TO EACH JAMB MEMBER WITH SIX(6) 16 GA. X 7/16" X 1/2" LONG STAPLES. NOTE THAT WHEN A WOOD REINFORCEMENT IS USED BETWEEN THE JAMBS, EACH JAMB IS JOINED TO THAT REINFORCEMENT WITH 3 CORRUGATED FASTENERS.

ANCHOR/SUBSTRATE EVALUATION NOTE:

ALL ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE CAPABLE OF SUPPORTING ALL LOADS IMPOSED ON THEM UNDER THE GUIDELINES OF THIS DOCUMENT. ANY SUBSTRATES OR CONDITIONS OUTSIDE OF WHAT IS SHOWN HERE-IN SHALL BE SUBJECT TO JOB SPECIFIC ENGINEER'S REVIEW & CERTIFICATION.

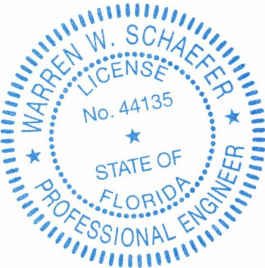
INSTALLATION NOTE:

WHEN NECESSARY, INSTALLATION METHODS MAY BE MIXED WITH ANY ONE WINDOW SUCH THAT INDIVIDUAL SIDES OF THE WINDOW MAY USE ONE OR THE OTHER ANCHOR METHOD (EXAMPLE: SILL MAY USE FRAME SCREWS METHOD WHILE OTHER SIDES USE FIN)

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

Digitally signed
by Warren W
Schaefer
Date:
2024.08.30
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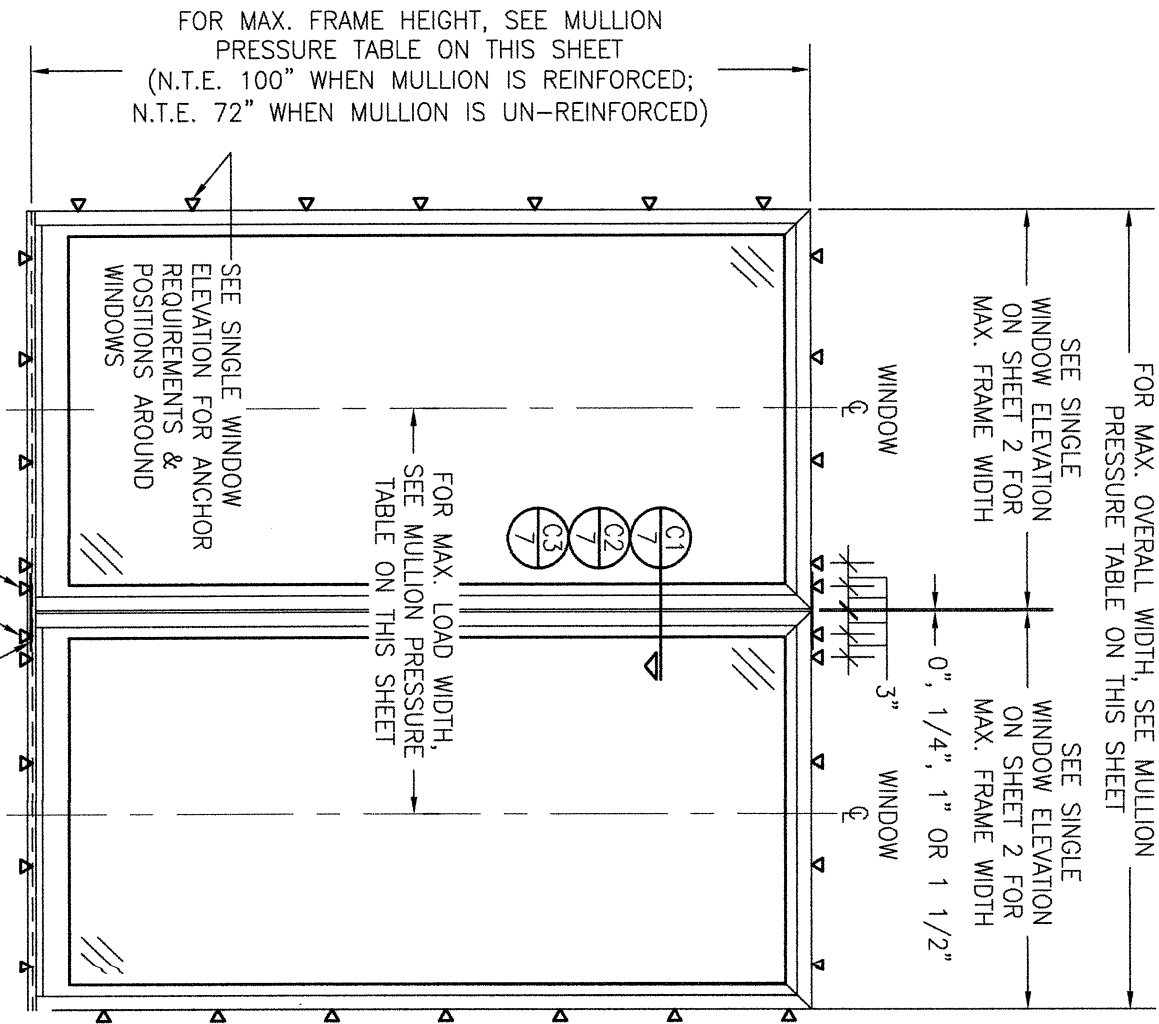
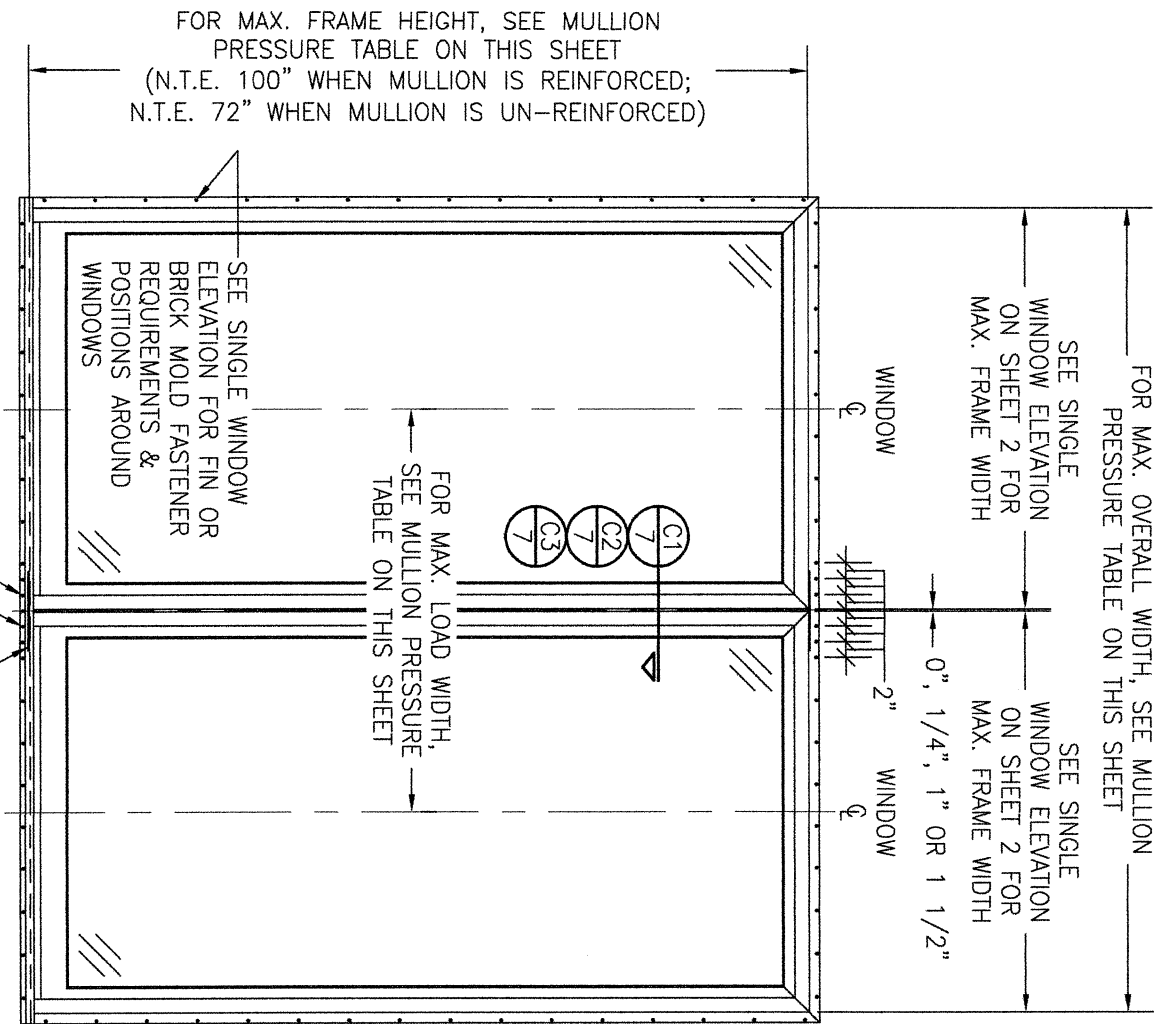
DRAWING TITLE		DRAWN BY:		CHECKED BY:	
SERIES 25 ALUMINUM CLAD IMPACT DOUBLE HUNG FIXED WINDOW		W.R.M.		W.W.S.	
CONSULTANTS		DATE		DATE	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		08/17/11		03/10/11	
25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424		01/08/15			
MANUFACTURER		02/08/17			
C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 204-326-6446		08/19/24			
CERTIFICATION		NO.		REVISION DESCRIPTION	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		A1		UPDATE TO CURENT STANDARDS	
DRAWING NO. 1753		B1		UPDATE TO CURRENT STANDARDS	
SHEET NO. 1 OF 10		C1		PART PROFILE CHANGES	
		D1		UPDATE WINDOW PARTS	

MULLION ALLOWABLE PRESSURE TABLE
(SIDE-BY-SIDE WINDOWS)

MAX. FRAME HEIGHT (IN.)	MAX. LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)			
		REINFORCED		UN REINFORCED	
		POS.	NEG.	POS.	NEG.
100	73	41.2	41.2	N/A	N/A
	67	43.4	43.4	N/A	N/A
	61	46.2	46.2	N/A	N/A
	55	50.0	50.0	N/A	N/A
	49	55.0	55.0	N/A	N/A
	43	55.0	60.3	N/A	N/A
	38	55.0	65.0	N/A	N/A
	73	45.4	45.4	N/A	N/A
	67	47.8	47.8	N/A	N/A
96	61	50.7	50.7	N/A	N/A
	55	54.0	54.0	N/A	N/A
	49	55.0	58.1	N/A	N/A
	43	55.0	63.5	N/A	N/A
	41	55.0	65.0	N/A	N/A
90	73	52.1	52.1	N/A	N/A
	67	53.8	53.8	N/A	N/A
	61	55.0	56.1	N/A	N/A
	55	55.0	59.2	N/A	N/A
	49	55.0	63.4	N/A	N/A
84	47	55.0	65.0	N/A	N/A
	73	55.0	58.7	N/A	N/A
	67	55.0	60.1	N/A	N/A
	61	55.0	62.3	N/A	N/A
	55	55.0	65.0	N/A	N/A
78	73	55.0	65.0	N/A	N/A
72	72 OR GREATER	55.0	65.0	52.8	62.4
	66	55.0	65.0	53.5	63.2
71	60	55.0	65.0	55.0	65.0
71	71 OR GREATER	55.0	65.0	55.0	65.0

NOTES:

1. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL WINDOW.
2. FOR REINFORCED MULLION, SEE SECTION C1/7.
3. FOR UN REINFORCED MULLION, SEE SECTIONS C2/7 & C3/7.
4. "N/A" DESIGNATES A SIZE NOT APPLICABLE TO THAT REINFORCEMENT CONDITION.
5. SIZE VALUES IN TABLE ARE $+/-1/2"$



CLUSTER FIN OR BRICK MOLD FASTENERS AT MILLION ENDS SUCH THAT THERE ARE A TOTAL OF 7 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

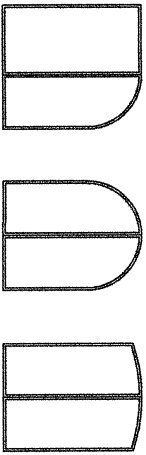
EXTERIOR ELEVATION:
MULTIPLE FIXED WINDOWS
SCALE: 1/2" = 1'-0"
(NAIL FIN & BRICK MOLD
MOUNT CONDITIONS)

SEE CORNER
CONSTRUCTION
DESCRIPTION FOR
MULLION END
CONSTRUCTION

ADDITIONAL FRAME_____
SCREWS WHERE SHOWN
AT MULLION ENDS. SEE
"FRAME ANCHOR
REQUIREMENTS TABLE"
ON SHEET 1 FOR
REQUIREMENTS.

SEE CORNER
CONSTRUCTION
DESCRIPTION FOR
MULLION END
CONSTRUCTION

EXAMPLES OF SIDE-BY-SIDE SHAPED MULLED CONDITIONS



NOTES:

1. INDIVIDUAL WINDOW SHAPES OTHER THAN THOSE SHOWN MAY APPLY PROVIDING THEY ARE APPLICABLE TO THOSE SHOWN ON SHEET 2 & THEIR MULLION CONDITIONS ARE CONSISTENT WITH THOSE SHOWN IN THE ELEVATIONS ON THIS SHEET.

[illegible]

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DRAWING TITLE
SERIES 25 ALUMINUM

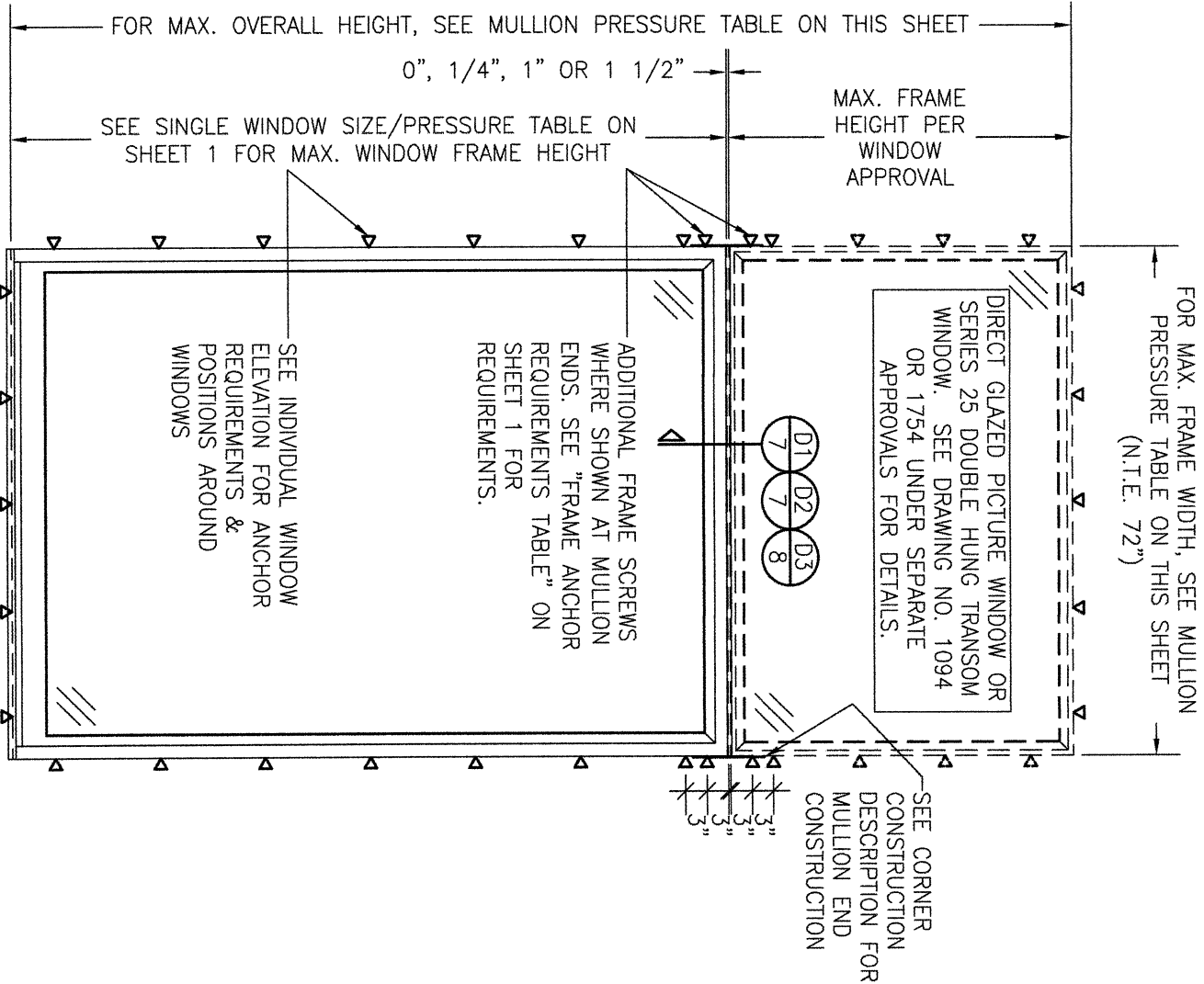
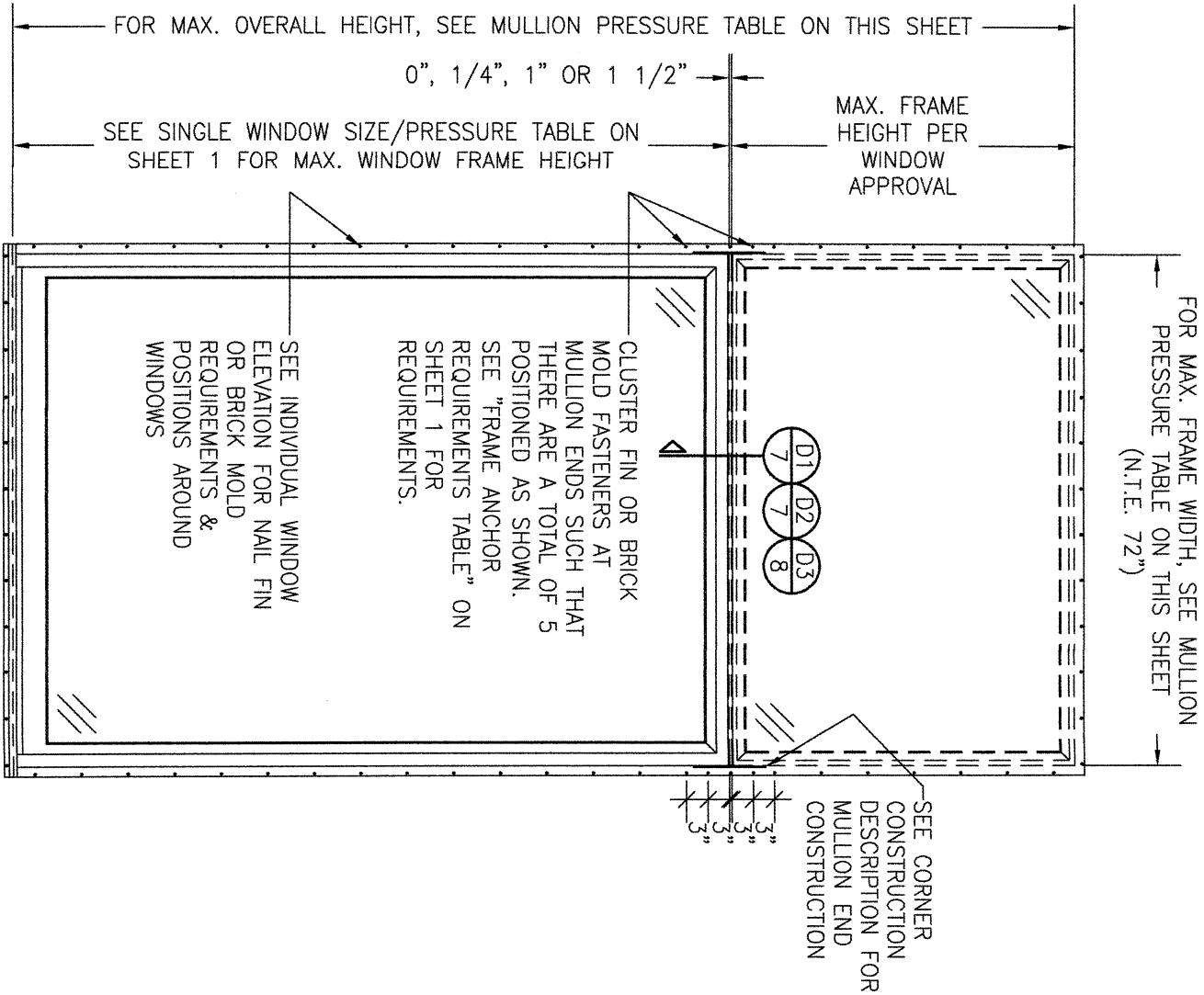
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CERTIFICATION

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.	REV.
1753	D
SHEET NO.	
3 OF 10	



**EXTERIOR ELEVATION:
SINGLE WINDOW WITH TRANSOM**

SCALE: 1/2" = 1'-0"

(NAIL FIN & BRICK MOLD MOUNT CONDITIONS)
(SEE SINGLE WINDOW ELEVATION ON SHEET 2 FOR DOUBLE HUNG FIXED WINDOW DETAIL NOT SHOWN)

**EXTERIOR ELEVATION:
SINGLE WINDOW WITH TRANSOM**

SCALE: 1/2" = 1'-0"

(FRAME SCREW MOUNT CONDITION)
(SEE SINGLE WINDOW ELEVATION ON SHEET 2 FOR DOUBLE HUNG FIXED WINDOW DETAIL NOT SHOWN)

MULTIPLE UNIT NOTES:

- FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATIONS.
- INDIVIDUAL WINDOW SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE WINDOW ELEVATIONS.

**MULLION ALLOWABLE PRESSURE TABLE
(SINGLE WINDOW WITH TRANSOM)**

MAX. FRAME WIDTH (IN.)	MAX. OVERALL HEIGHT (IN.)	ALLOWABLE PRESSURE (PSF)			
		REINFORCED		UN REINFORCED	
		POS.	NEG.	POS.	NEG.
72	144 OR MORE	55.0	65.0	45.8	54.1
	132	55.0	65.0	50.0	59.0
	120	55.0	65.0	55.0	65.0
66	132 OR MORE	55.0	65.0	55.0	65.0

NOTES:

- ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL WINDOW.
- FOR REINFORCED MULLION, SEE SECTION D1/7.
- FOR UN REINFORCED MULLION, SEE SECTIONS D2/7 & D3/8.
- SIZE VALUES IN TABLE ARE +/-1/2"

DRAWING TITLE
SERIES 25 ALUMINUM CLAD IMPACT DOUBLE HUNG FIXED WINDOW

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MANUFACTURER
C.P. LOEWEN ENTERPRISES
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CERTIFICATION

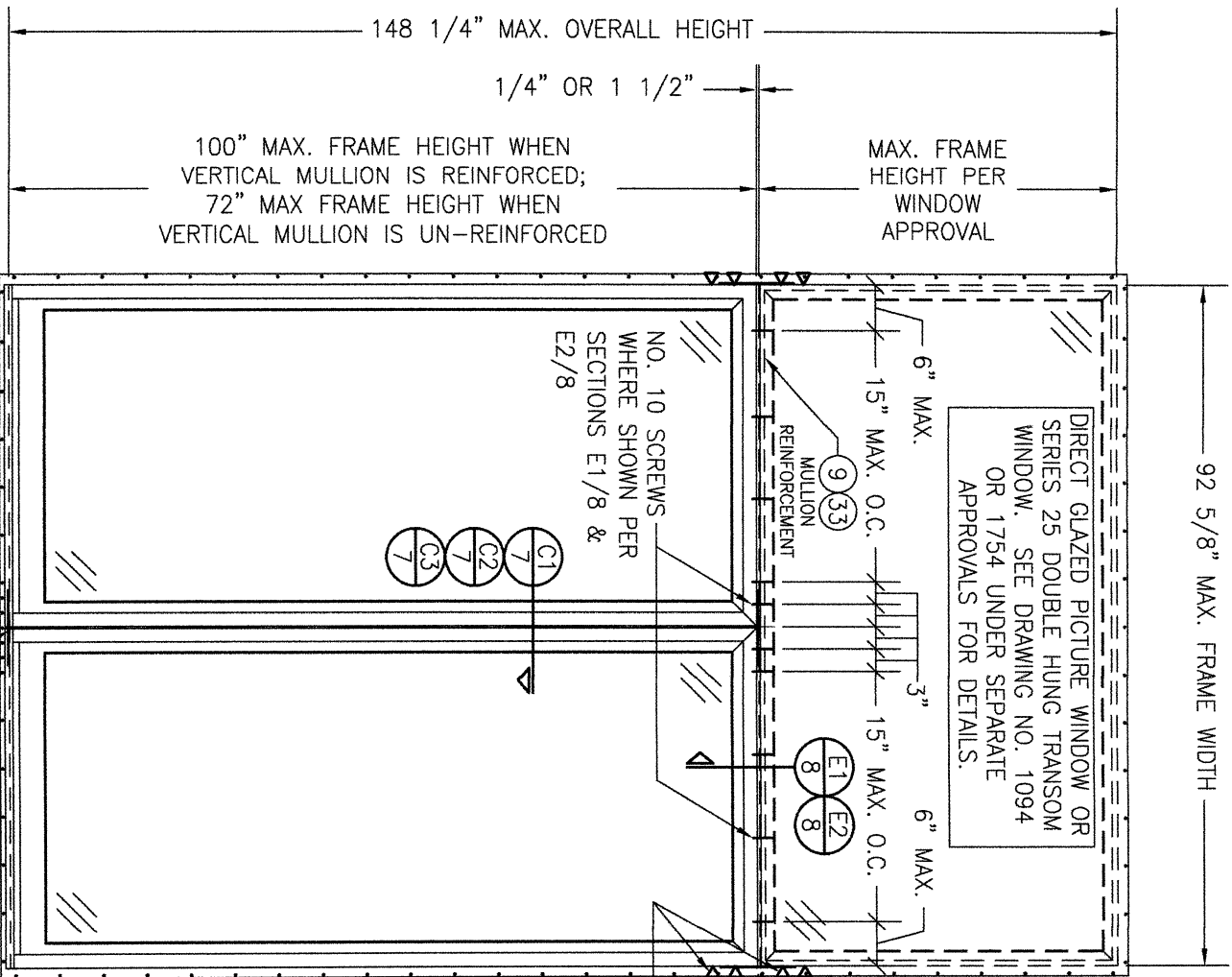
WARREN W. SCHAEFER, P.E.
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NO.	REVISION	DESCRIPTION	BY	DATE

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DATE: 03/10/11	

DRAWING NO. 1753

SHEET NO. 4 OF 10

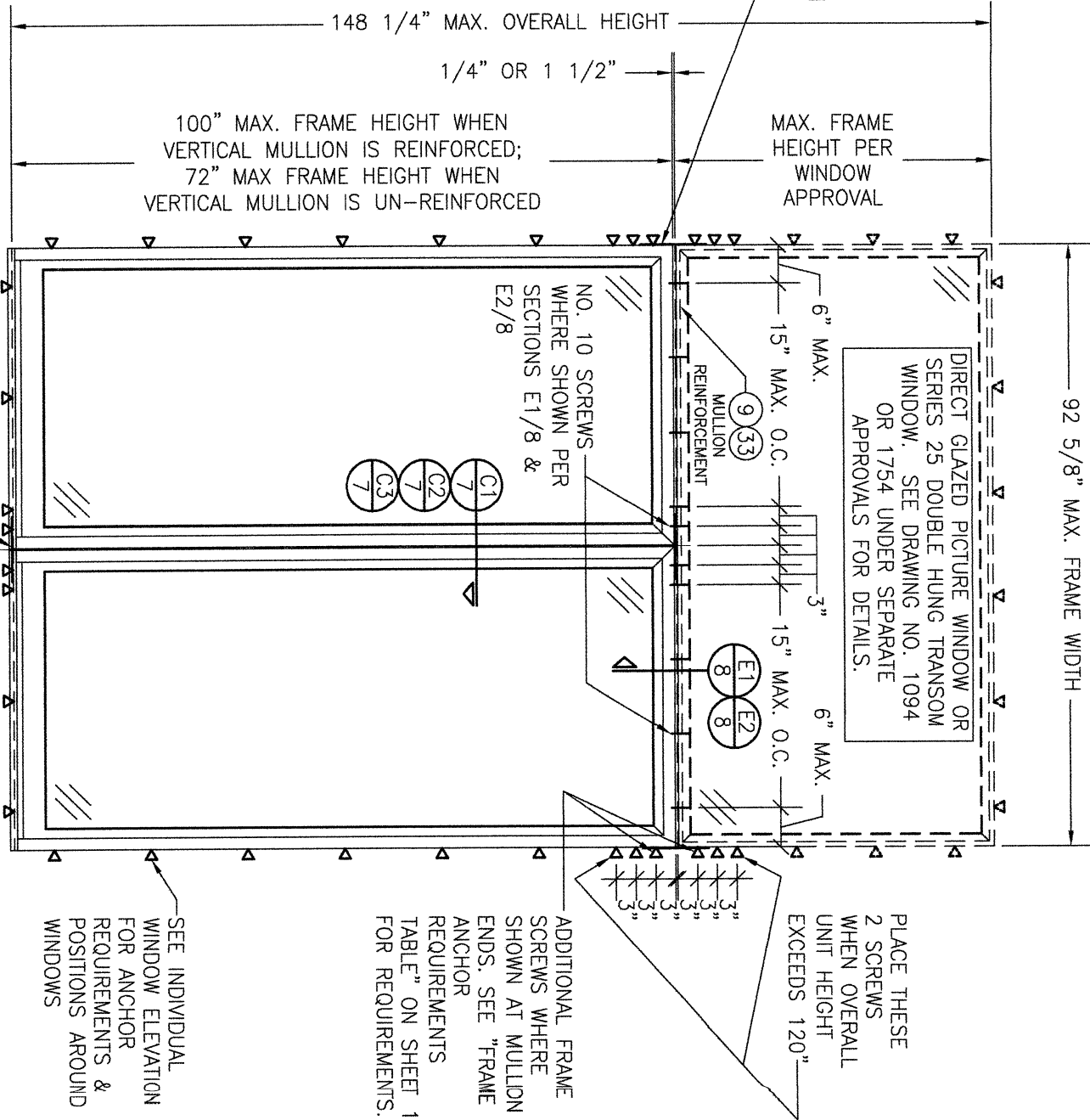


EXTERIOR ELEVATION:
TWO WINDOWS MULLED WITH SINGLE TRANSOM

SCALE: 1/2" = 1'-0"

(NAIL FIN & BRICK MOLD MOUNT CONDITIONS)

(SEE SINGLE WINDOW ELEVATION ON SHEET 2 FOR DOUBLE HUNG FIXED WINDOW DETAIL NOT SHOWN)



EXTERIOR ELEVATION:
TWO WINDOWS MULLED WITH SINGLE TRANSOM

SCALE: 1/2" = 1'-0"

(FRAME SCREW MOUNT CONDITION)

(SEE SINGLE WINDOW ELEVATION ON SHEET 2 FOR DOUBLE HUNG FIXED WINDOW DETAIL NOT SHOWN)

ALLOWABLE DESIGN PRESSURE
(DOUBLE WINDOW WITH TRANSOM)
+/-55 PSF

NO.	REVISION	DESCRIPTION	BY	DATE	PLOT: 1=24	DRAWN BY:	CHECKED BY:
						W.R.M.	W.M.S.
						DATE:	
						03/10/11	

DRAWING TITLE
SERIES 25 ALUMINUM CLAD IMPACT DOUBLE HUNG FIXED WINDOW

CONSULTANTS
W. W. SCHAEFER ENGINEERING
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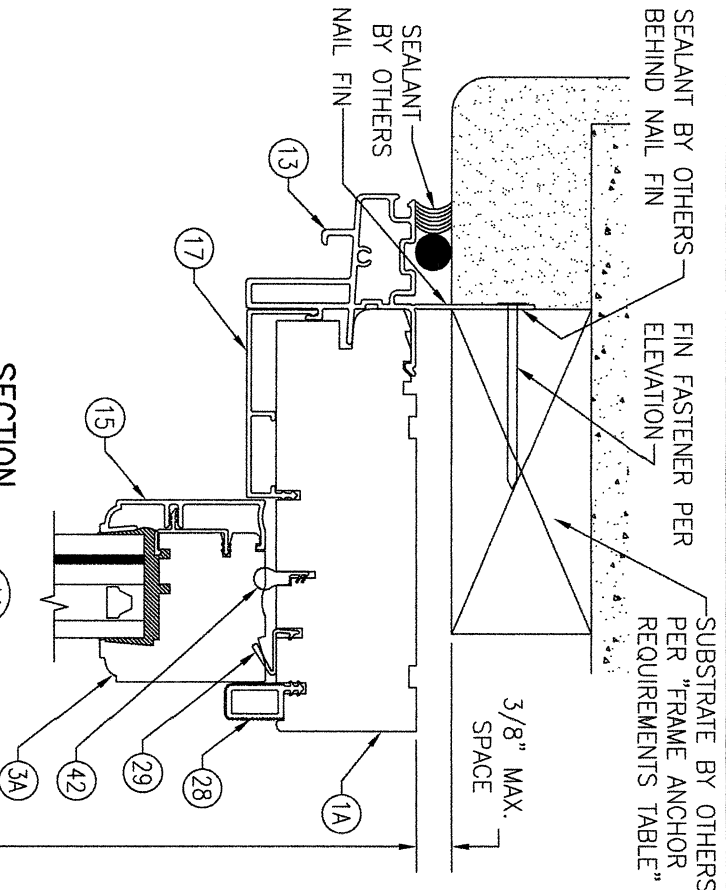
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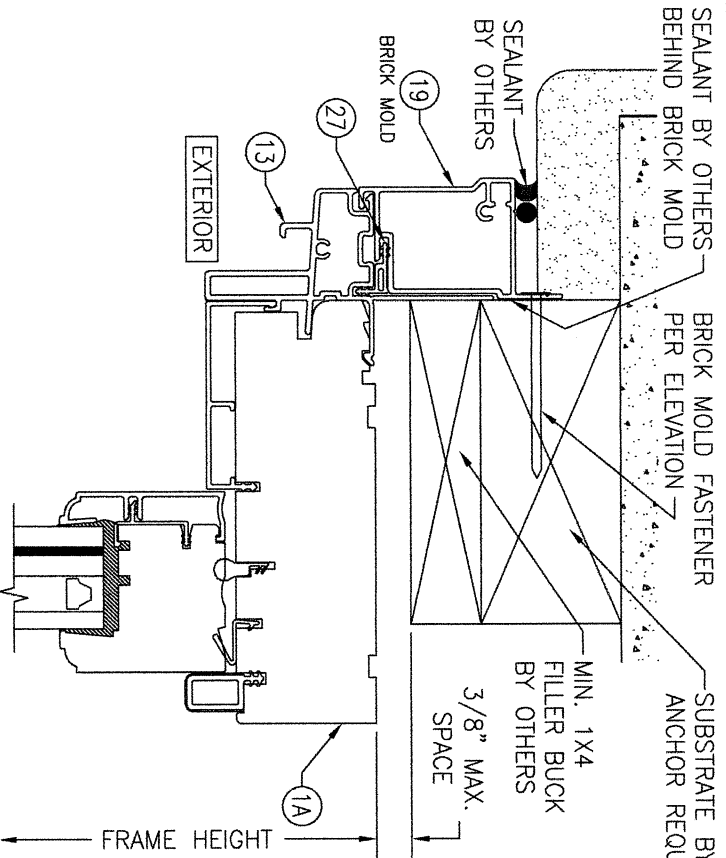
CERTIFICATION

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

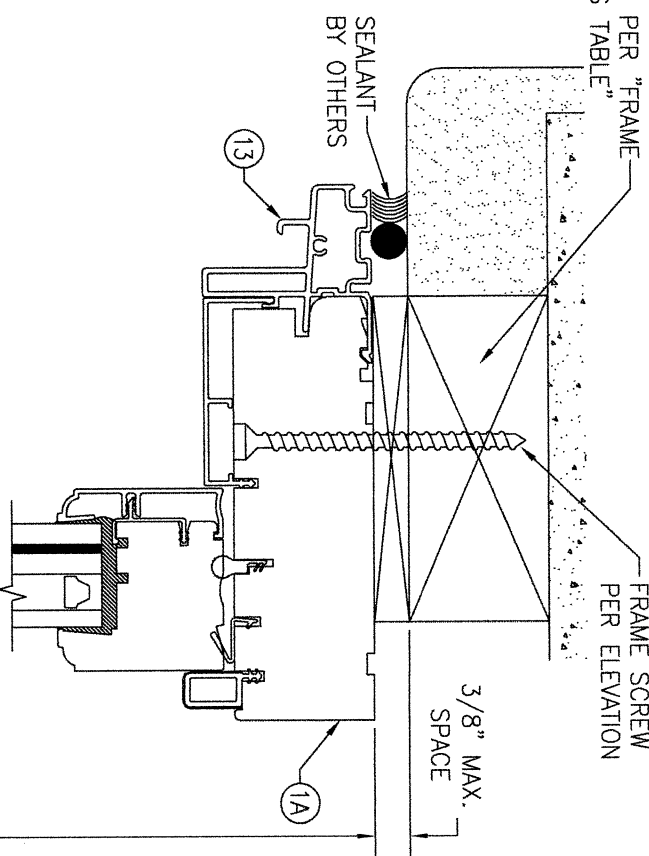
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REV. D
SHEET NO. 5 OF 10



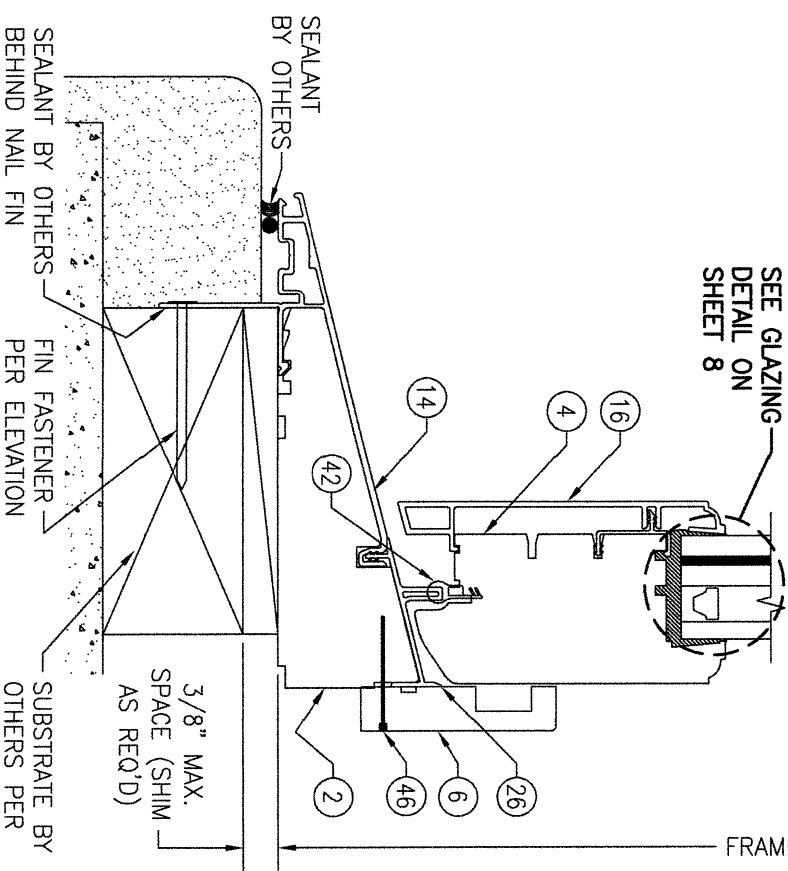
SECTION A1
SCALE: 1/2 FULL
(NAIL FIN MOUNT)



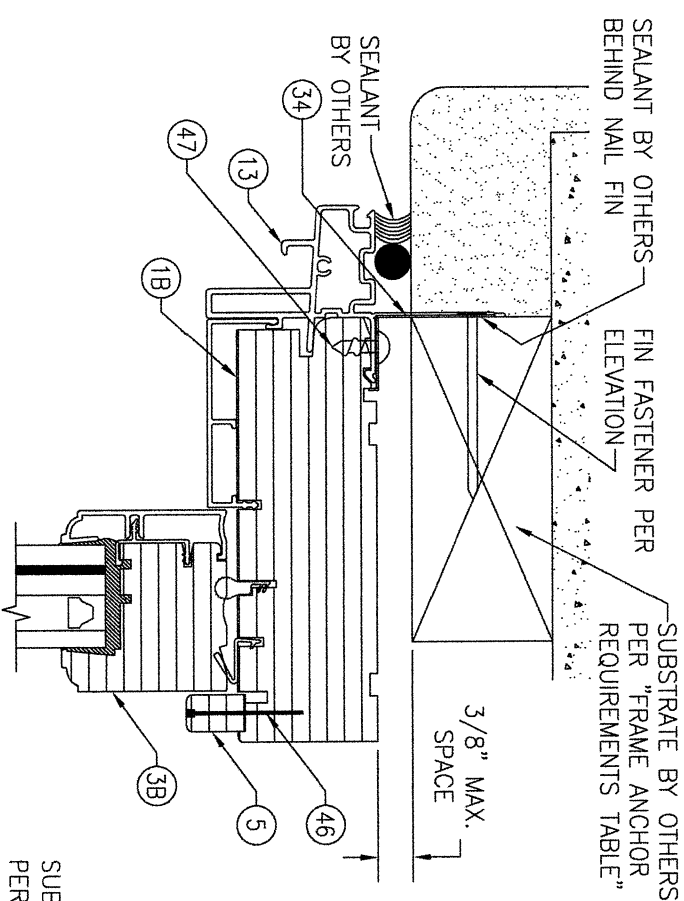
SECTION A2
SCALE: 1/2 FULL
(BRICK MOLD MOUNT)
(FOR DETAIL NOT SHOWN, SEE SECTION A1/6)



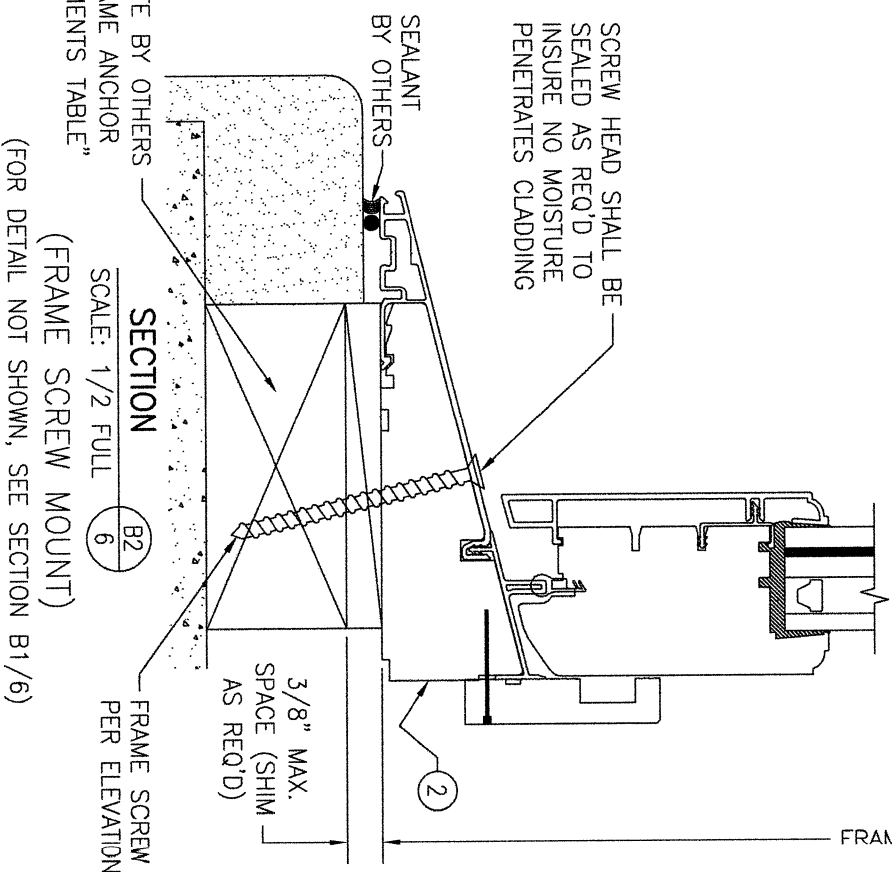
SECTION A3
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)
(FOR DETAIL NOT SHOWN, SEE SECTION A1/6)



SECTION B1
SCALE: 1/2 FULL
(NAIL FIN MOUNT)



SECTION A4
SCALE: 1/2 FULL
(SHAPED TOP NAIL FIN MOUNT)
(FOR DETAIL NOT SHOWN, SEE SECTION A1/6)
(FOR BRICKMOLD AND FRAME SCREW INSTALLATIONS, SEE SECTIONS A2/6 & A3/6)



SECTION B2
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)
(FOR DETAIL NOT SHOWN, SEE SECTION B1/6)

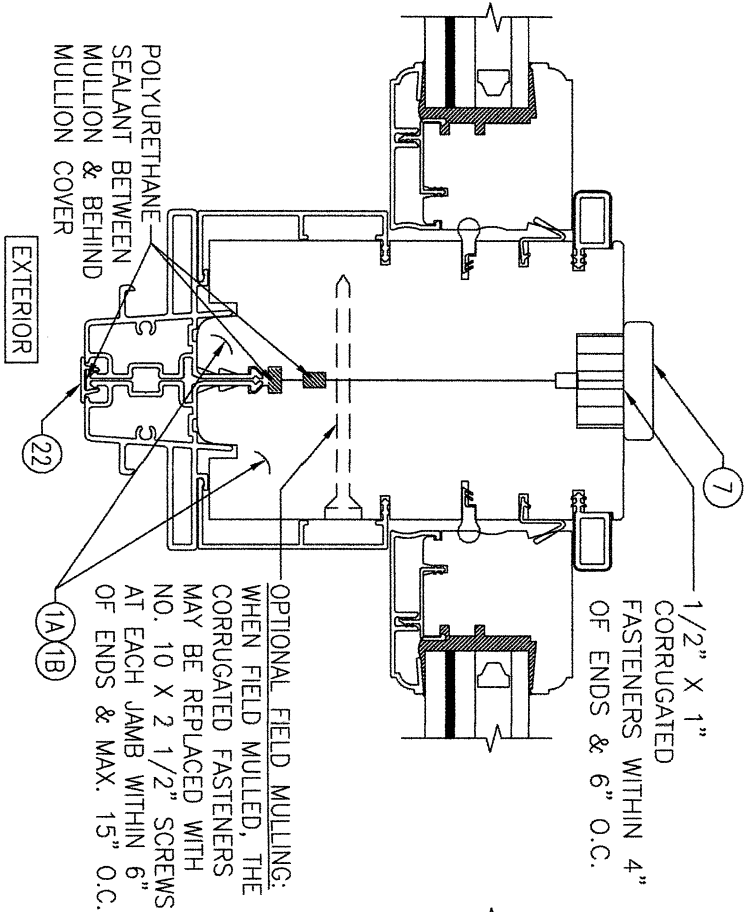
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PLOT:	1-2	DATE:	05/10/11

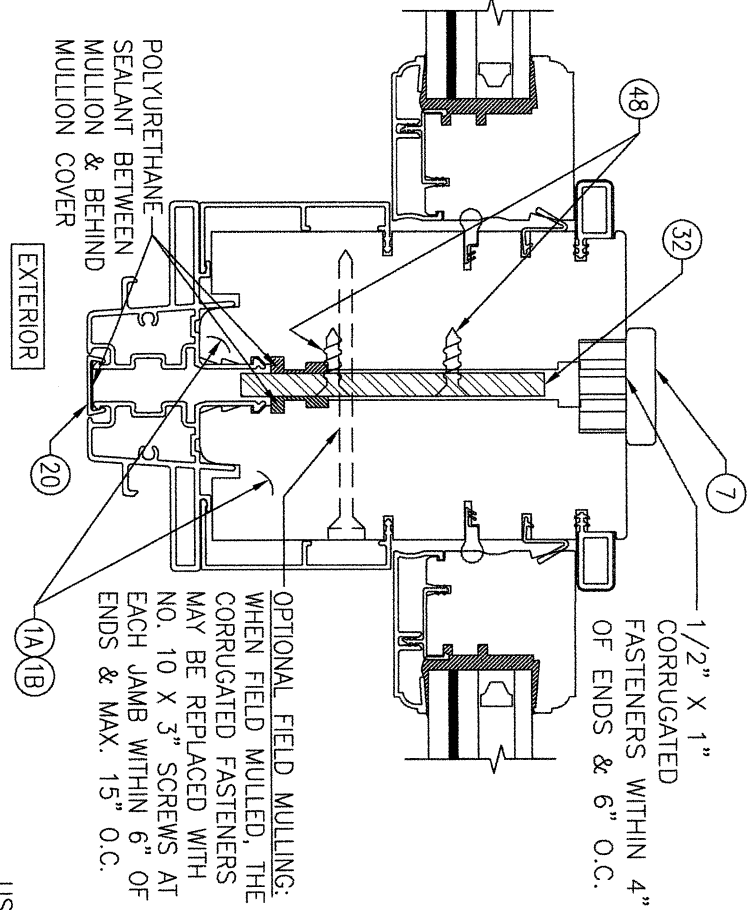
DRAWING TITLE SERIES 25 ALUMINUM CLAD IMPACT DOUBLE HUNG FIXED WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	MANUFACTURER C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 204-326-6446

CERTIFICATION
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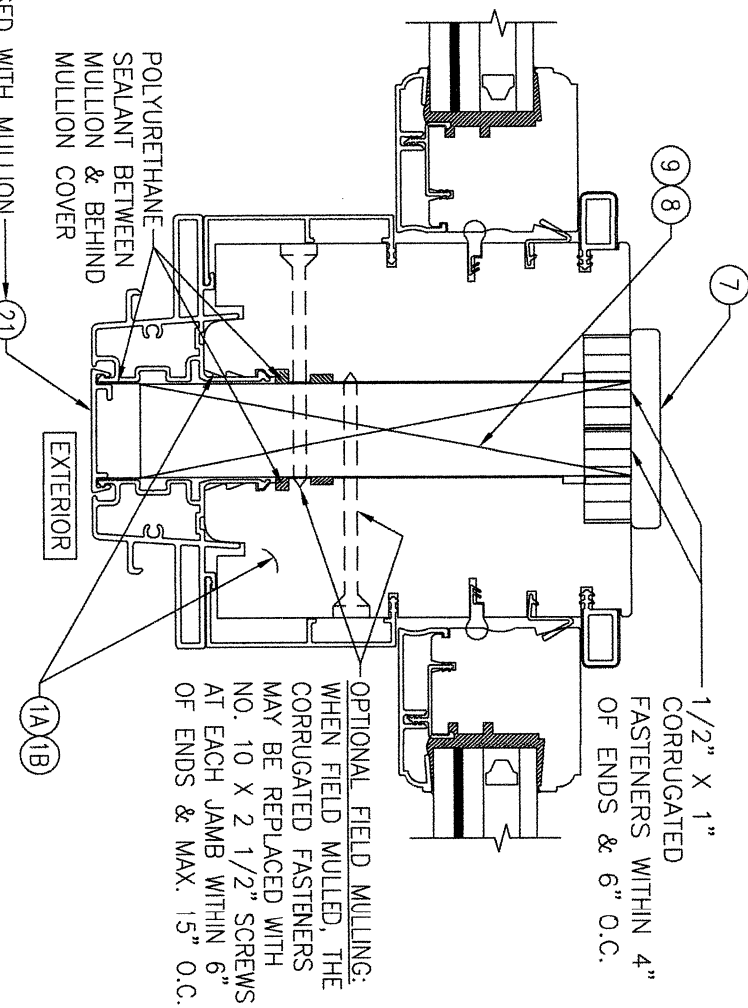
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REV.	D
SHEET NO.	6 OF 10



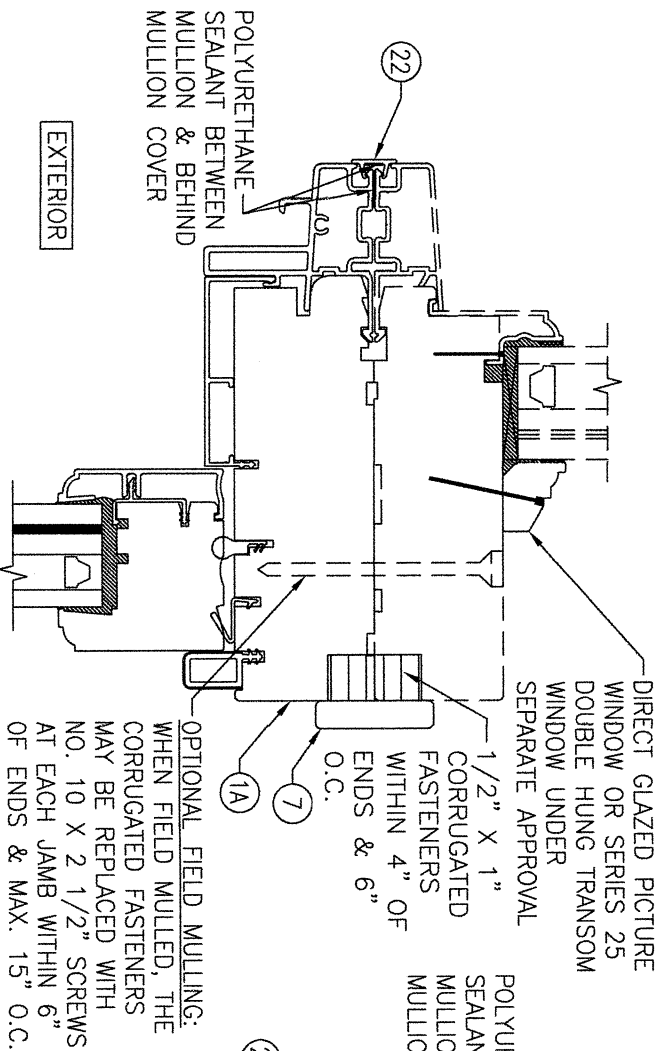
SECTION C1
SCALE: 1/2 FULL
(NON-REINFORCED MULLION)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



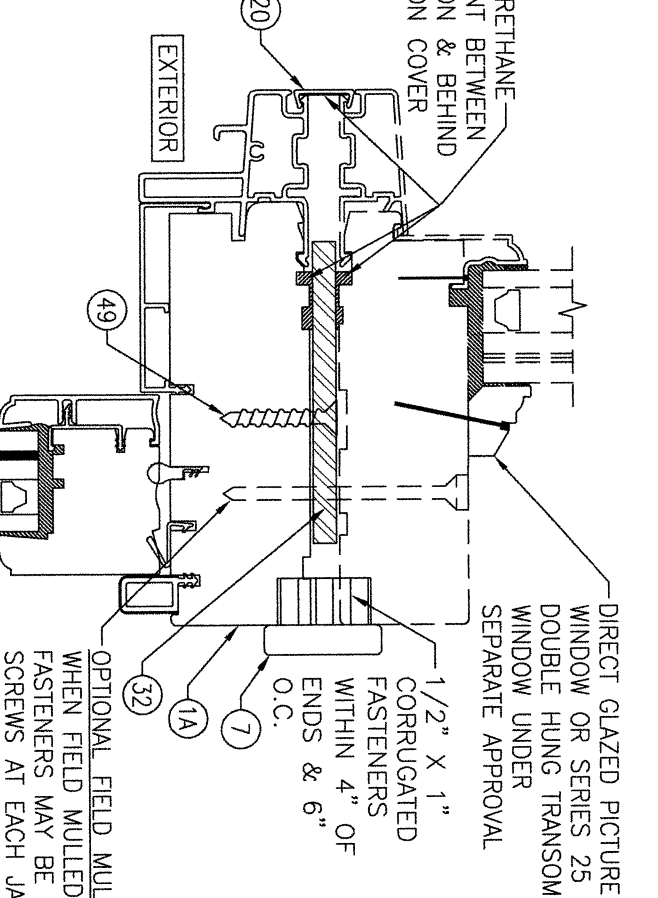
SECTION C2
SCALE: 1/2 FULL
(BAR REINFORCED MULLION)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



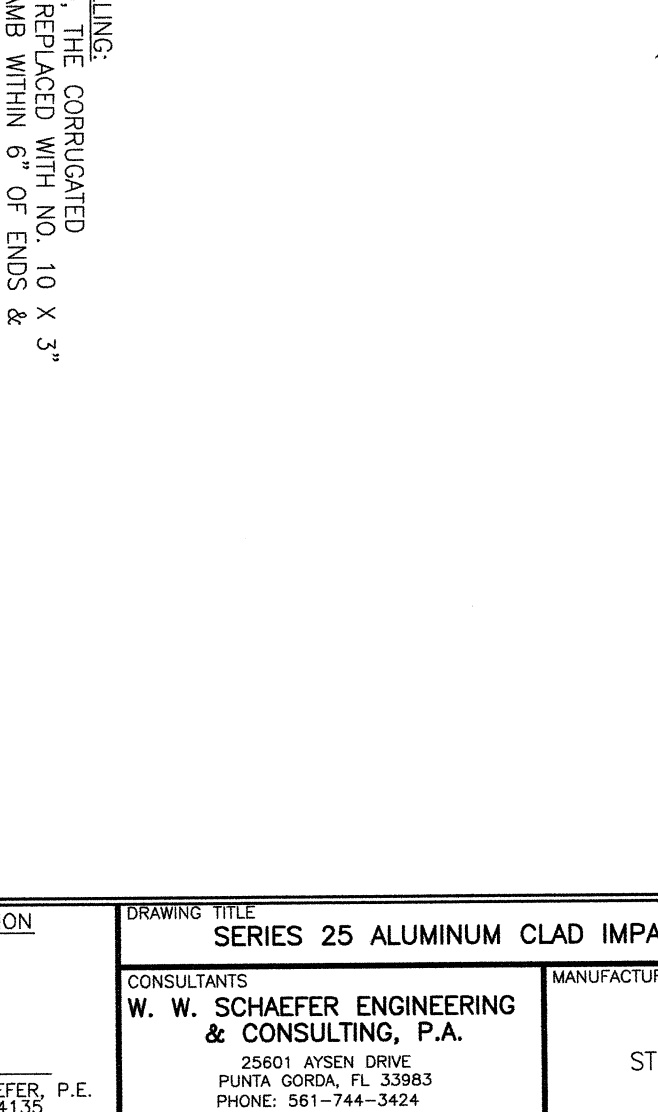
SECTION C3
SCALE: 1/2 FULL
(WOOD REINFORCED MULLION)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION D1
SCALE: 1/2 FULL
(SINGLE WINDOW WITH NON-REINFORCED MULLION)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION D2
SCALE: 1/2 FULL
(SINGLE WINDOW WITH OPTIONAL BAR REINFORCED MULLION)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION D3
SCALE: 1/2 FULL
(SINGLE WINDOW WITH OPTIONAL WOOD REINFORCED MULLION)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

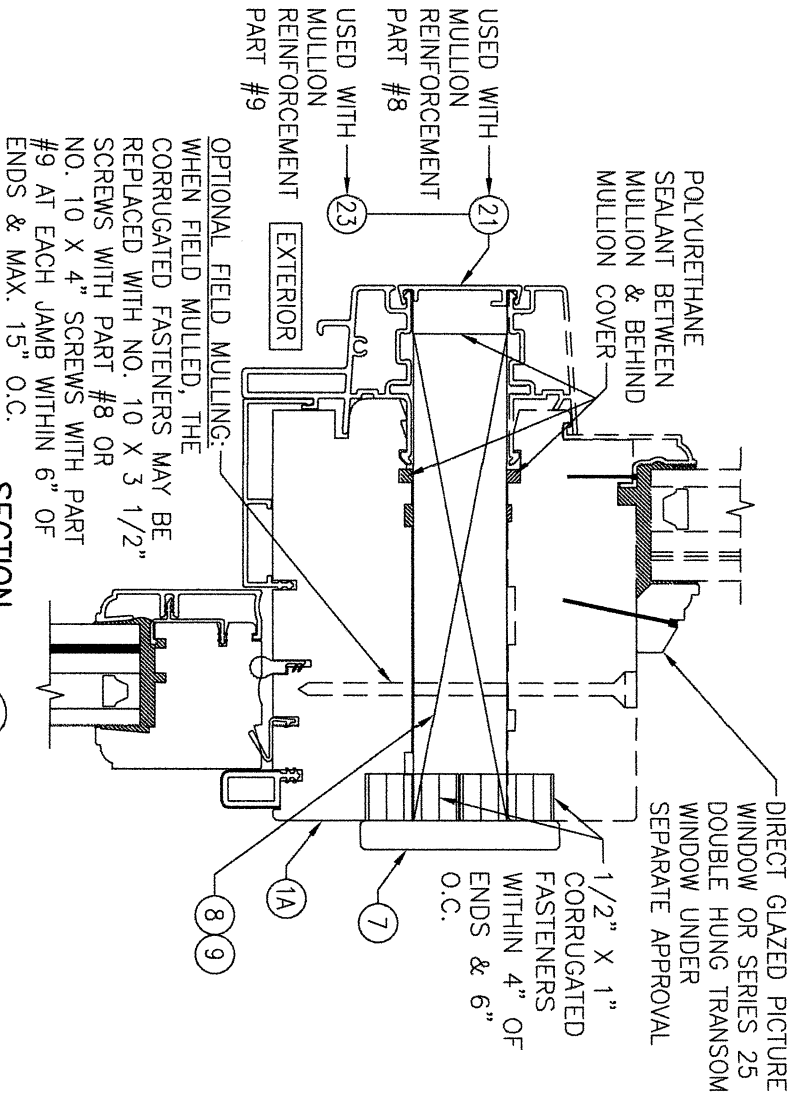
DRAWN BY:		CHECKED BY:	
W.R.M.		W.M.S.	
DATE:	03/10/11	DATE:	
NO.	REVISION	DESCRIPTION	BY

DRAWING TITLE	
SERIES 25 ALUMINUM CLAD IMPACT DOUBLE HUNG FIXED WINDOW	
CONSULTANTS	MANUFACTURER
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	C.P. LOEWEN ENTERPRISES
25601 AYSEN DRIVE	77 HWY 52 WEST
PUNTA GORDA, FL 33983	STEINBACH, MB, CANADA R5G 1B2
PHONE: 561-744-3424	204-326-6446

CERTIFICATION

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1753
REV. D
SHEET NO. 7 OF 10



USED WITH
MULLION
REINFORCEMENT
PART #8

USED WITH
MULLION
REINFORCEMENT
PART #9

OPTIONAL FIELD MULLING:
WHEN FIELD MULLED, THE
CORRUGATED FASTENERS MAY BE
REPLACED WITH NO. 10 X 3 1/2\"/>

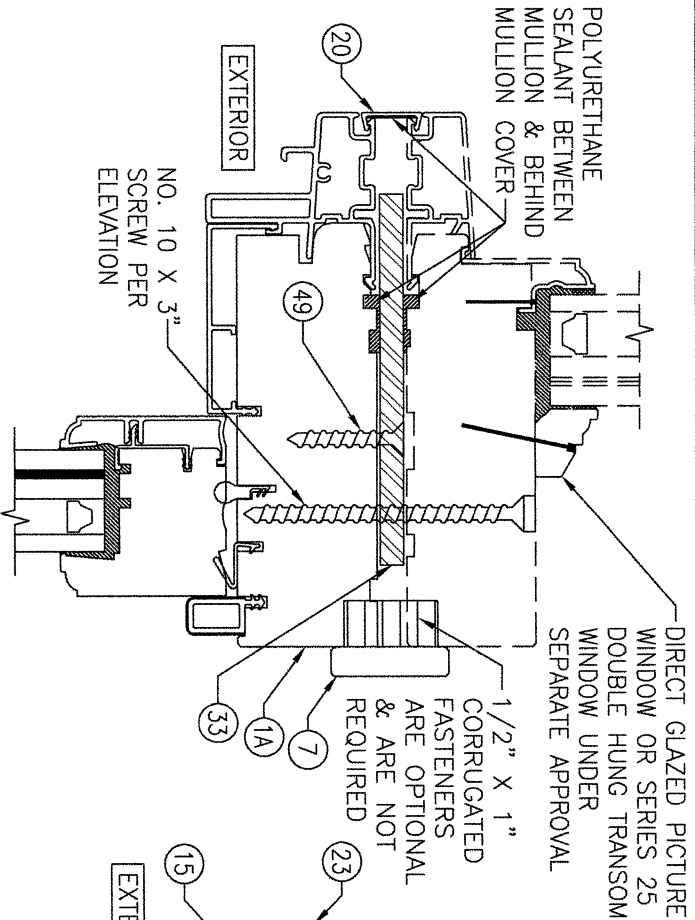
NO. 10 X 4\"/>

ENDS & MAX. 15\"/>

SECTION

SCALE: 1/2 FULL

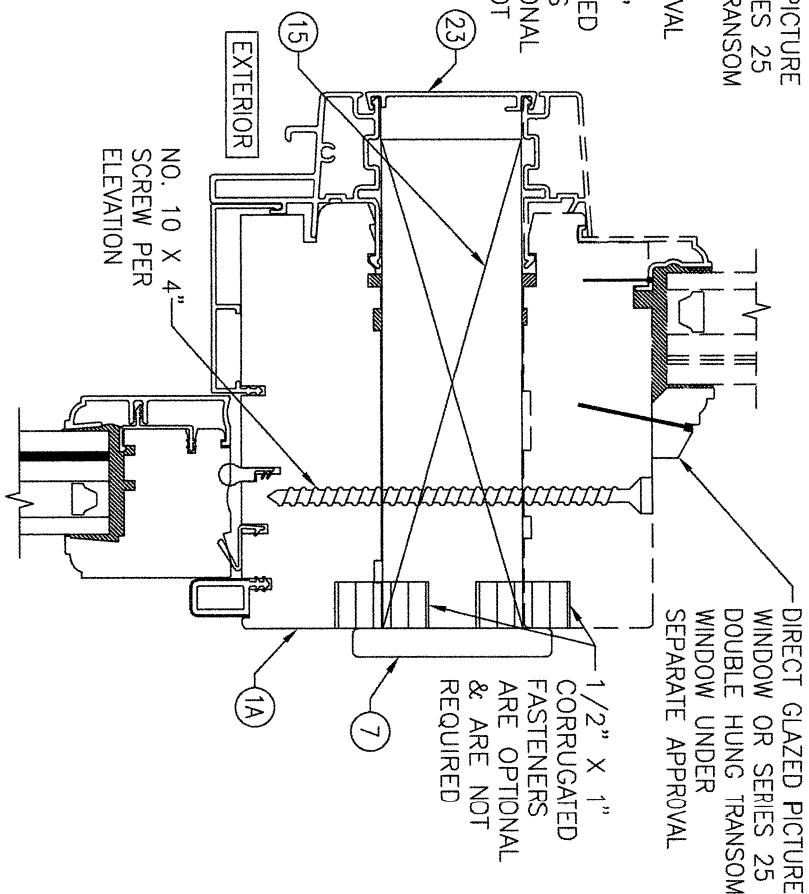
(SINGLE WINDOW WITH OPTIONAL WOOD REINFORCED MULLION)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION

SCALE: 1/2 FULL

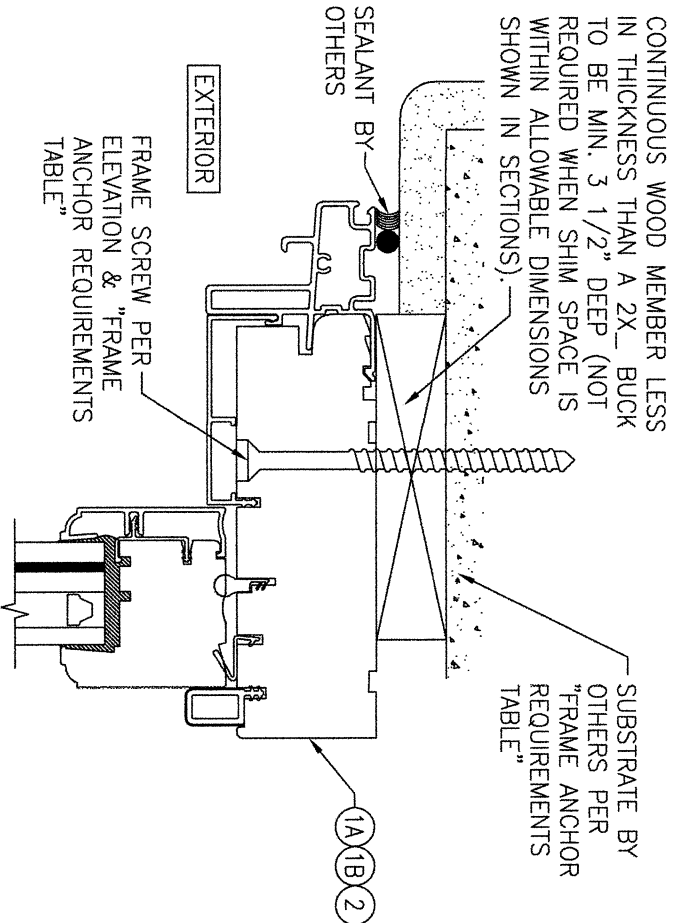
(DOUBLE WINDOW WITH BAR REINFORCED MULLION)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION

SCALE: 1/2 FULL

(DOUBLE WINDOW WITH WOOD REINFORCED MULLION)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



CONTINUOUS WOOD MEMBER LESS
IN THICKNESS THAN A 2X_ BUCK
TO BE MIN. 3 1/2\"/>

SUBSTRATE BY
OTHERS PER
\"FRAME ANCHOR
REQUIREMENTS
TABLE\"

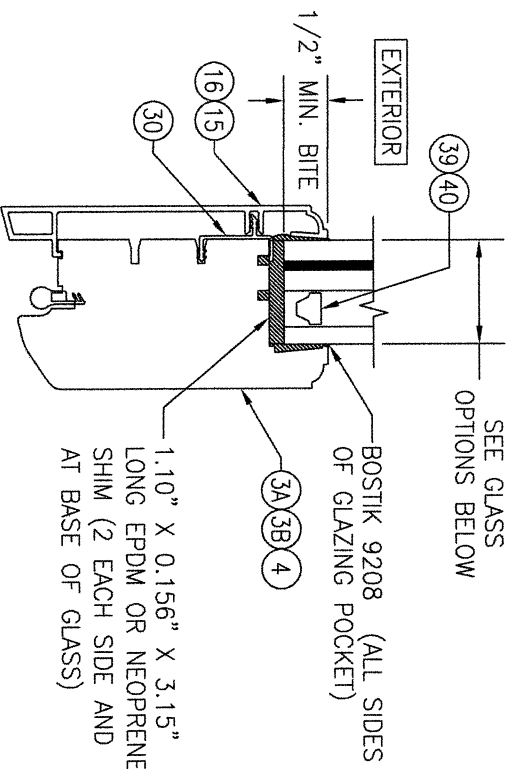
SEALANT BY
OTHERS

EXTERIOR

FRAME SCREW PER
ELEVATION & \"FRAME
ANCHOR REQUIREMENTS
TABLE\"

OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



TYPICAL GLAZING DETAIL

GLASS OPTION 1: 1 1/8\"/>

GLASS OPTION 2: 1 1/8\"/>

GLASS OPTION 3: 1 1/8\"/>

NO.	REVISION	DESCRIPTION	BY	DATE
1-2				

DRAWN BY: W.A.M. CHECKED BY: W.M.S.

DATE: 03/10/11

MANUFACTURER

C.P. LOEWEN ENTERPRISES
77 HWY 52 WEST
STEINBACH, MB, CANADA R5G 1B2
204-326-6446

CONSULTANTS

W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A.
25601 AYSEN DRIVE
PUNTA GORDA, FL 33983
PHONE: 561-744-3424

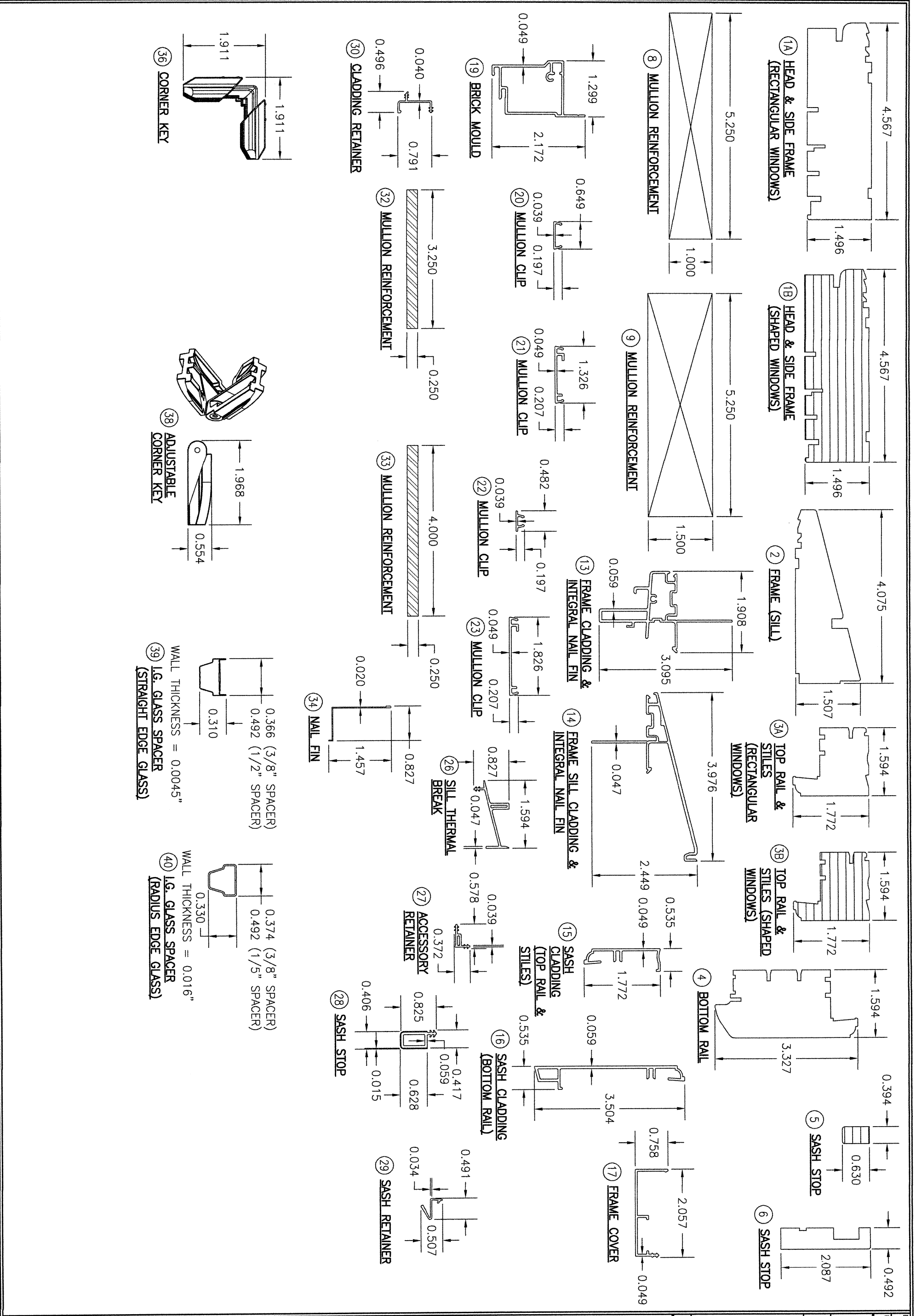
CERTIFICATION

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1753

REV. D

SHEET NO. 8 OF 10



DRAWING NO. 1753		REV. D	
SHEET NO. 9 OF 10			
CERTIFICATION		DRAWING TITLE	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		SERIES 25 ALUMINUM CLAD IMPACT DOUBLE HUNG FIXED WINDOW	
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424		C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 204-326-6446	

