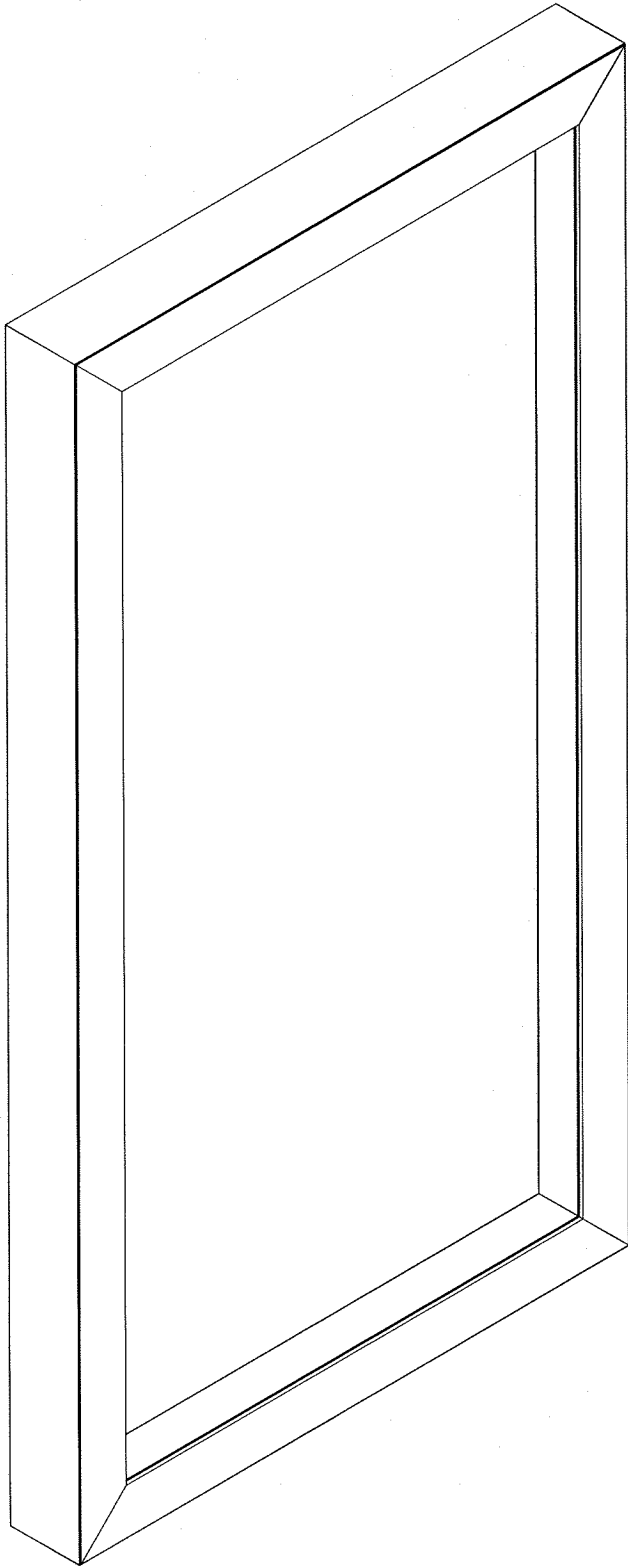


FENEX CORP M.D., INC
OVERSIZED FIXED WINDOW
LARGE & SMALL MISSILE IMPACT RESISTANT
(MISSILE LEVEL D)



GENERAL NOTES:

1. THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SIXTH EDITION (2017) PER
a. ASTM E330-14, E331-00, E283-04, E1886-13a, E1996-14
b. TAS 201 / 202 / 203
c. AAMA 101-97
d. AAMA 501
e. ANSI Z97.1
- FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ). AS QUALIFIED IN TEST REPORT #17-7048 BY FENESTRATION TESTING LABORATORY, INC.
2. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
3. UNITS GLAZED WITH 1" LAMINATED GLASS (HEAT STRENGTHENED) ARE LARGE MISSILE IMPACT RESISTANT AND DO NOT REQUIRE IMPACT RESISTANT SHUTTERS.
4. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
5. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
7. ALL CONCRETE ANCHORS SPECIFIED HEREIN REFER TO 1/2"Ø POWERS WEDGE BOLTS. FASTENED TO 8" MIN. THICK 3,000 PSI MIN. NON-CRACKED CONCRETE (BY OTHERS) INSTALL ALL CONCRETE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.
8. ALL FASTENERS INTO METAL SUBSTRATES TO BE 1/2"Ø F TYPE MACHINE BOLTS (GRADE 2 MIN.) UNLESS NOTED OTHERWISE. FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
9. ALL FASTENERS INTO WOOD SUBSTRATES TO BE 1/2"Ø LAG SCREWS. FASTENED TO No. 2 SOUTHERN YELLOW PINE (S.G. = 0.55 MIN.) IN DRY CONDITIONS.
10. ALL EXTRUSIONS SHALL BE STEEL A36 ALLOY AND TEMPER, OR 6061-T6 ALUMINUM.
11. GLAZING ILLUSTRATED HEREIN UTILIZES SENTRYGLAS INTERLAYER BY KURARAY AMERICA INC. (NOA# 14-0916.11)
12. THE CONTRACTOR IS RESPONSIBLE TO ISOLATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
13. ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
14. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
15. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
16. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:
FENEX CORP M.D., INC.
601 SW. 66TH TERRACE
PEMBROKE PINES, FL 33023
TAS 201/202/203
APPROVED BY FLORIDA BUILDING COMMISSION
FLORIDA PRODUCT APPROVAL NUMBER

SHEET INDEX

# SHEET	DESCRIPTION
1	COVER SHEET
2-3	ANCHOR SCHEDULE
4-7	DETAILS
8-9	LOADING TABLES & GLASS TYPES
10-11	FRAME ASSEMBLY
12	PART LIST
12	TOTAL

FL#20700.2

FRANK L. BENNARDO, P.E.
PE# 0046549

10/23/2017

No PE0046549

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E: HELLO@ENGINEERINGEXPRESS.COM
CERT OF AUTH #9885

FENEX CORP M.D., INC.
601 SW. 66TH TERRACE
PEMBROKE PINES, FL 33023
(954) 638-5608
OVERSIZED FIXED WINDOW
FL#20700.2
FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS	DATE
INT ISSUE	10/20/17
JMP	-
AJP	-
	-
	-
	-
	-
	-
	-
	-

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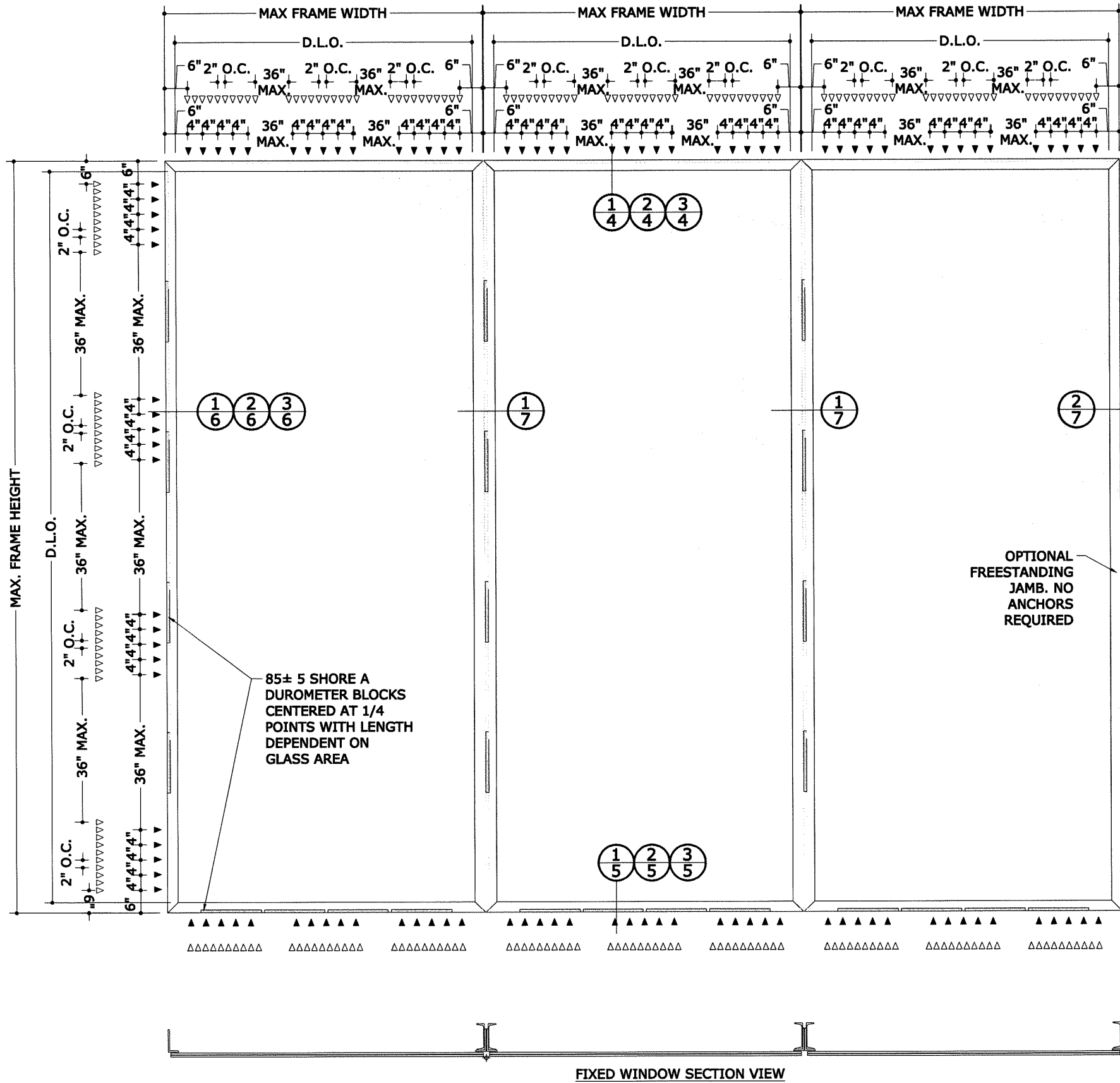
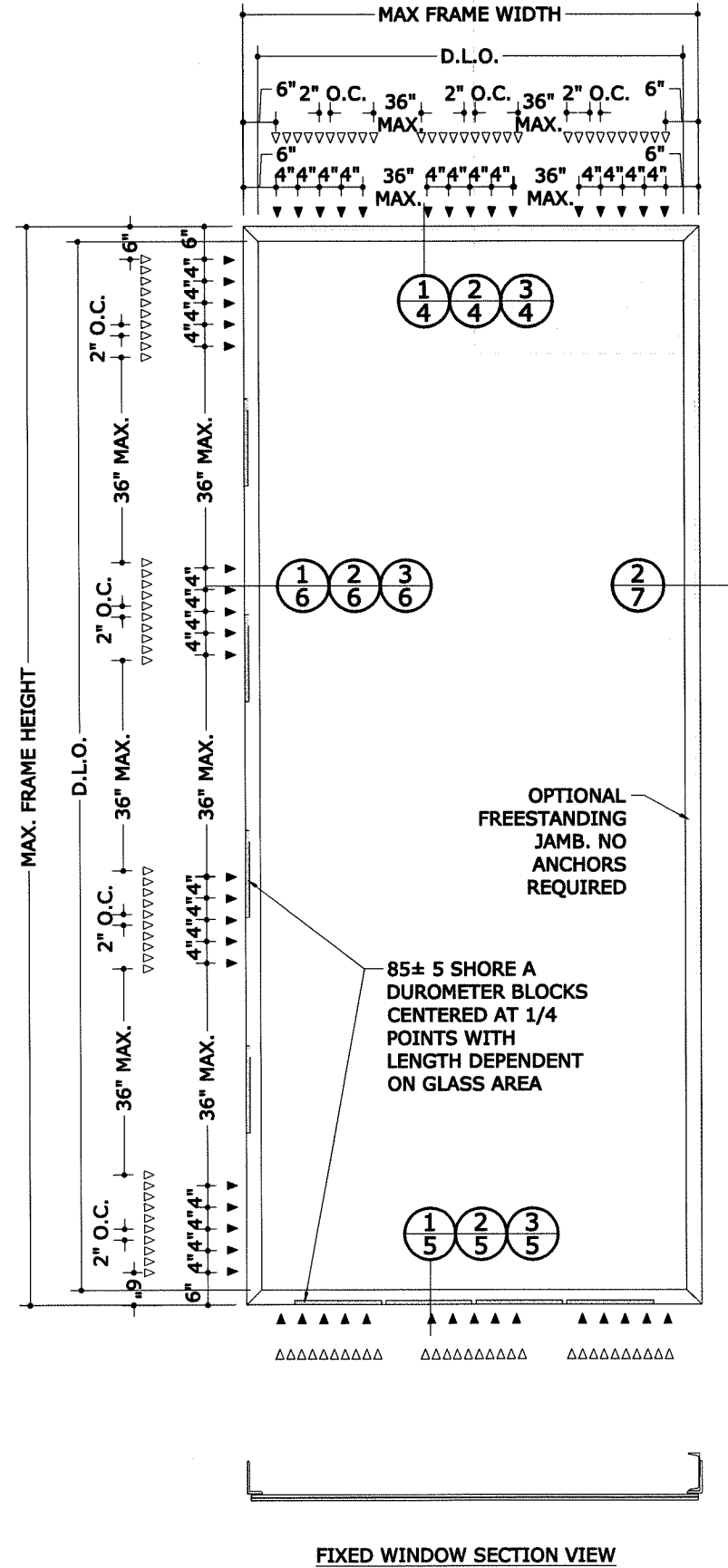
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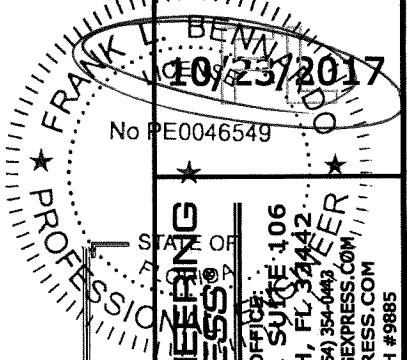
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ANCHOR SCHEDULE				
HOST STRUCTURE	ANCHOR	MIN. EMBEDMENT	EDGE DISTANCE	ANCHOR SPACING
3KSI MIN. CONCRETE	1/2" POWERS WEDGE BOLT	3"	3 1/2"	REFER TO ELEVATIONS
1/4" MIN. A36 STEEL	1/2" F TYPE MACHINE BOLT (GRADE 2 MIN.)	5 PITCHES PASS THE THREAD PLANE	1 1/2"	
1/4" MIN. 6063-T6 ALUM.	1/2" F TYPE MACHINE BOLT (GRADE 2 MIN.)	5 PITCHES PASS THE THREAD PLANE	1 1/2"	
G=0.55 MIN. WOOD	1/2" LAG SCREW	2"	3"	

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601 SW. 66TH TERRACE
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(954) 638-5608

OVERSIZED FIXED WINDOW

FL #20700.2

FLORIDA BUILDING CODE SIXTH EDITION (2017)

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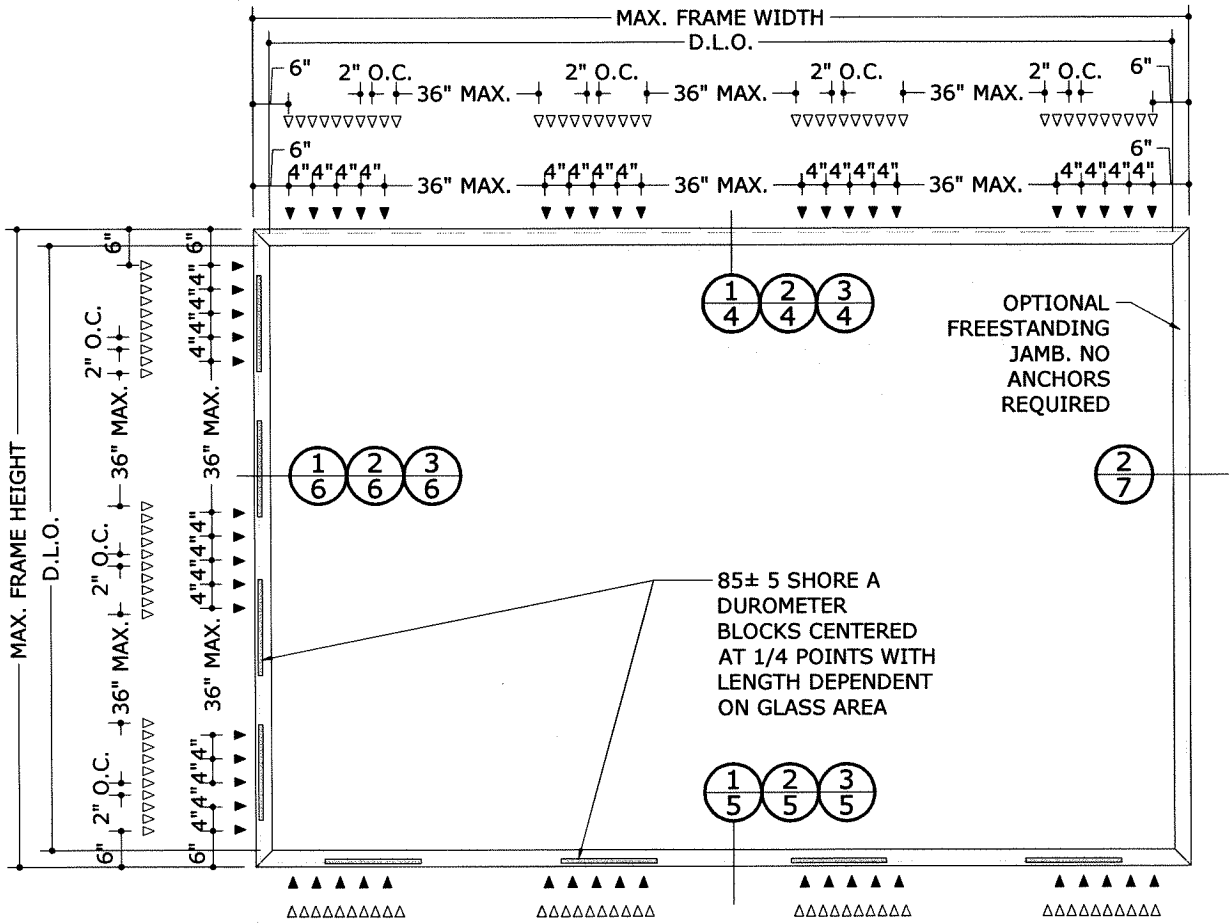
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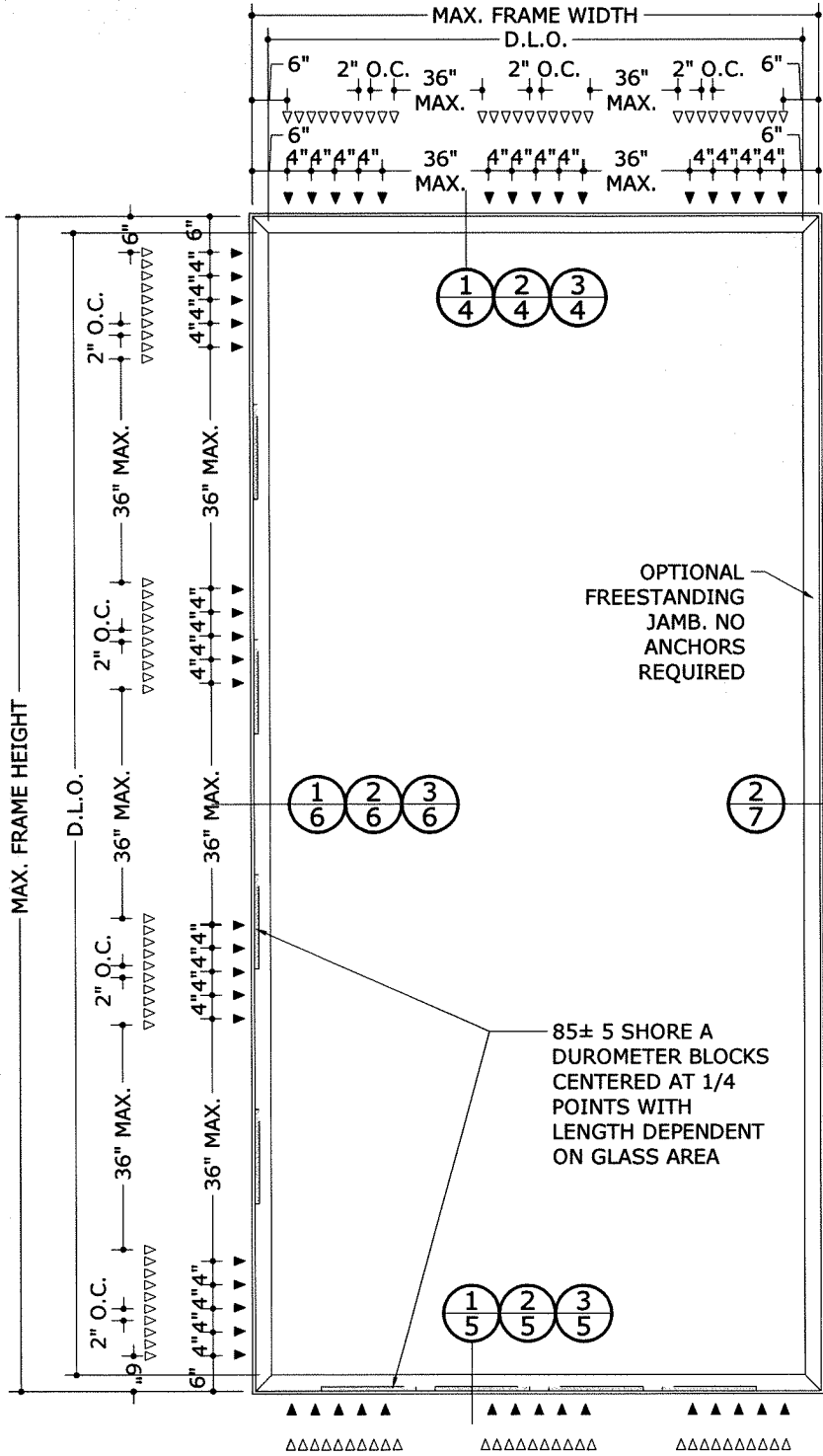
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NOTE:
MINIMUM RADIUS 110"

FIXED WINDOW SECTION VIEW

ANCHOR SCHEDULE				
HOST STRUCTURE	ANCHOR	MIN. EMBEDMENT	EDGE DISTANCE	ANCHOR SPACING
▼	3KSI MIN. CONCRETE	1/2" POWERS WEDGE BOLT	3"	3 1/2"
	1/4" MIN. A36 STEEL	1/2" F TYPE MACHINE BOLT (GRADE 2 MIN.)	5 PITCHES PASS THE THREAD PLANE	1 1/2"
	1/4" MIN. 6063-T6 ALUM.	1/2" F TYPE MACHINE BOLT (GRADE 2 MIN.)	5 PITCHES PASS THE THREAD PLANE	1 1/2"
▽	G=0.55 MIN. WOOD	1/2" LAG SCREW	2"	3"



NOTE:
MINIMUM RADIUS 110"

FIXED WINDOW SECTION VIEW

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OVERSIZED FIXED WINDOW
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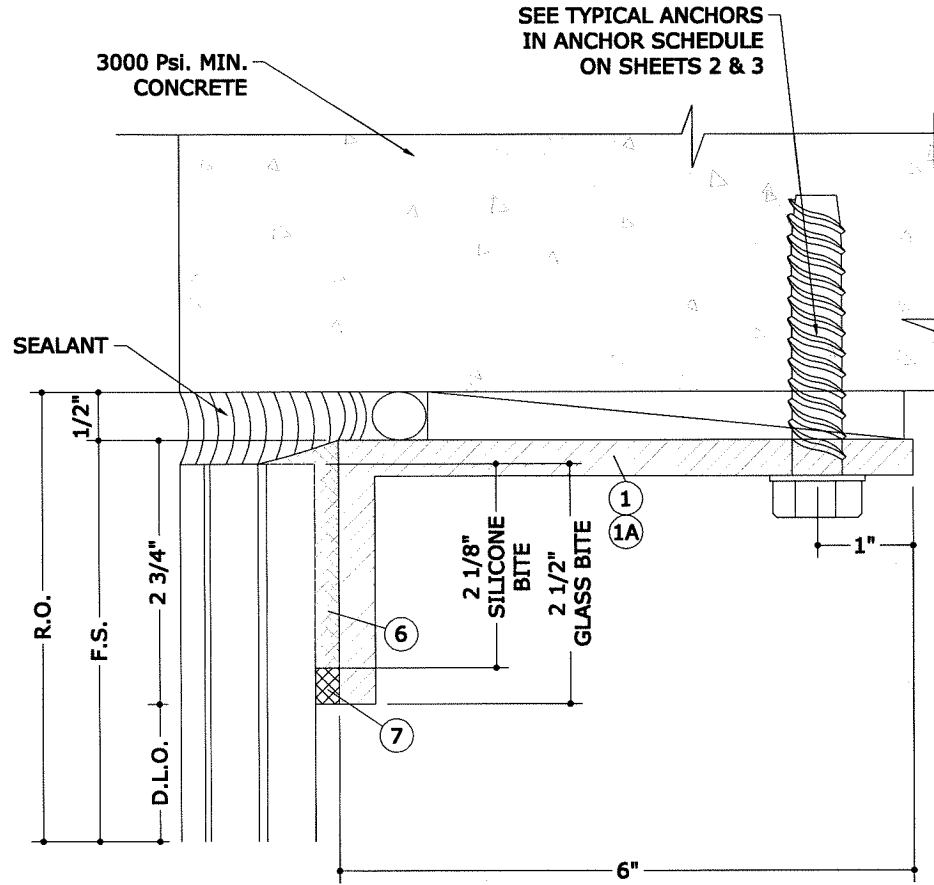
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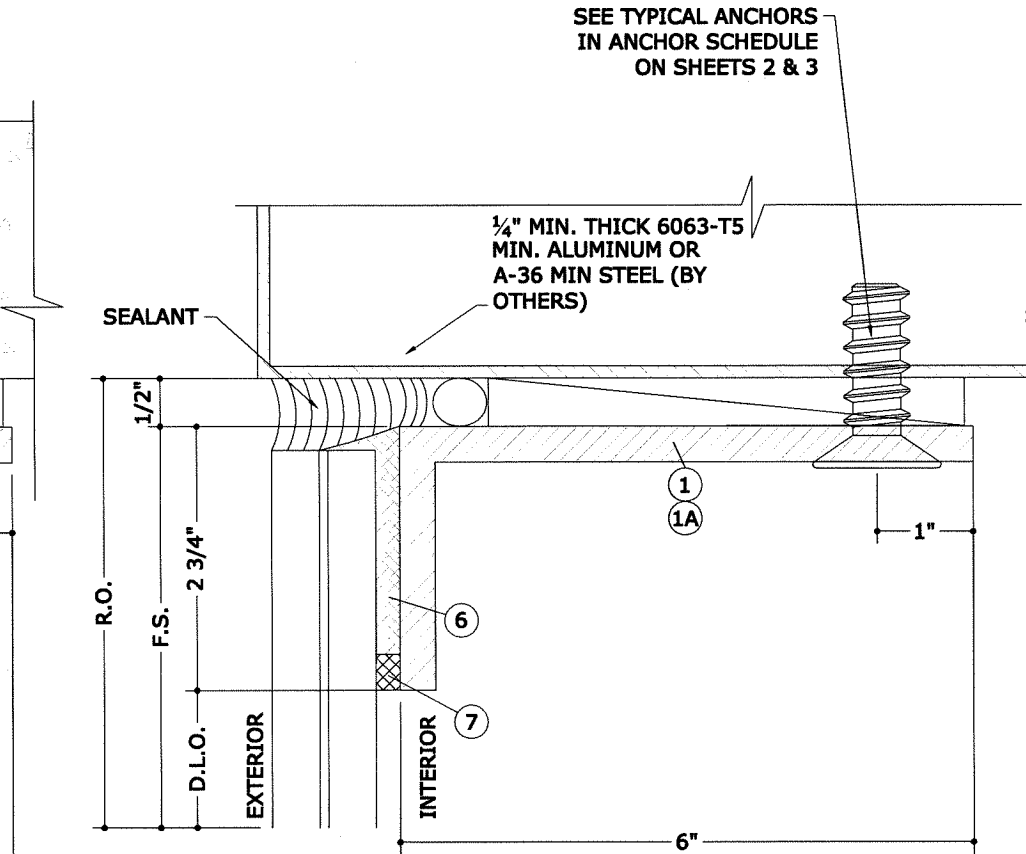
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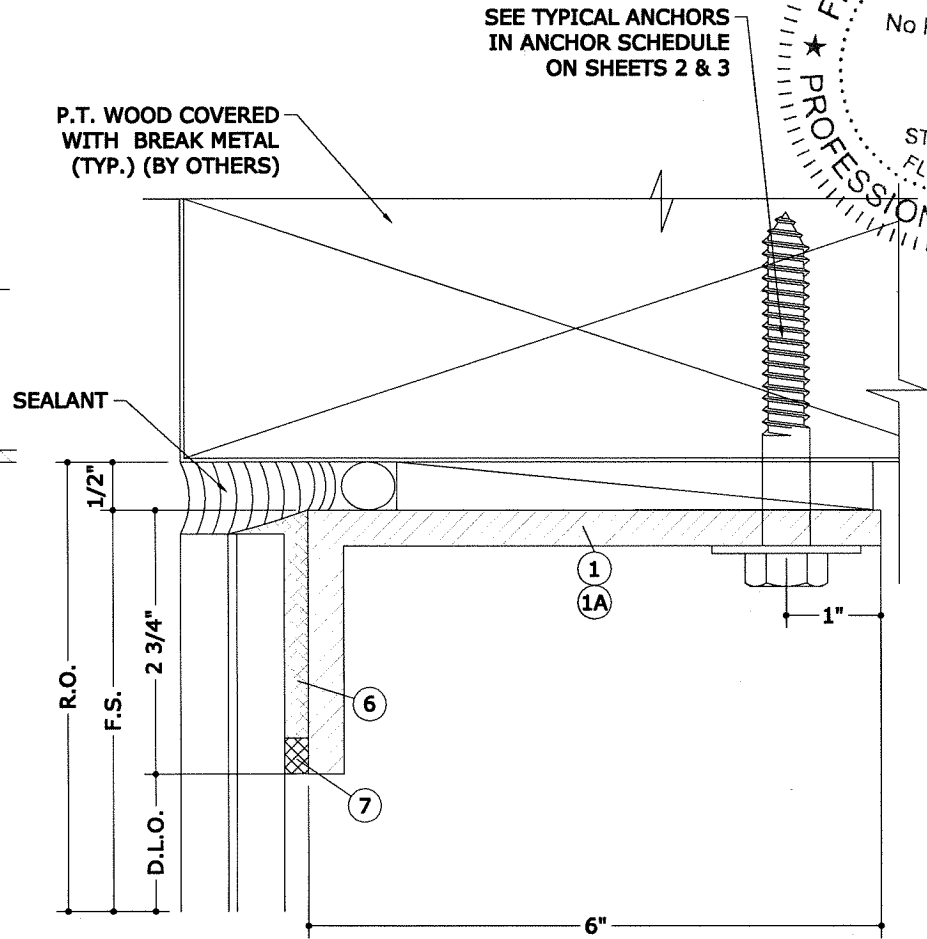
1 HEAD DETAIL
4 6" = 1'-0"

NOTE: DISSIMILAR METALS MUST BE PROPERLY ISOLATED TO PREVENT ELECTROLYSIS.



2 HEAD DETAIL
4 6" = 1'-0"

NOTE: ALL WATERPROFING REQUIREMENTS ARE NOT INCLUDED IN THIS CERTIFICATION



3 HEAD DETAIL
4 6" = 1'-0"

NOTE: ALL GLAZING DETAILS SHOWN ON (SHEET 8) CAN BE APPLIED TO ALL WINDOW CONFIGURATIONS

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OVERSIZED FIXED WINDOW
FL#20700.2
FLORIDA BUILDING CODE SIXTH EDITION (2017)

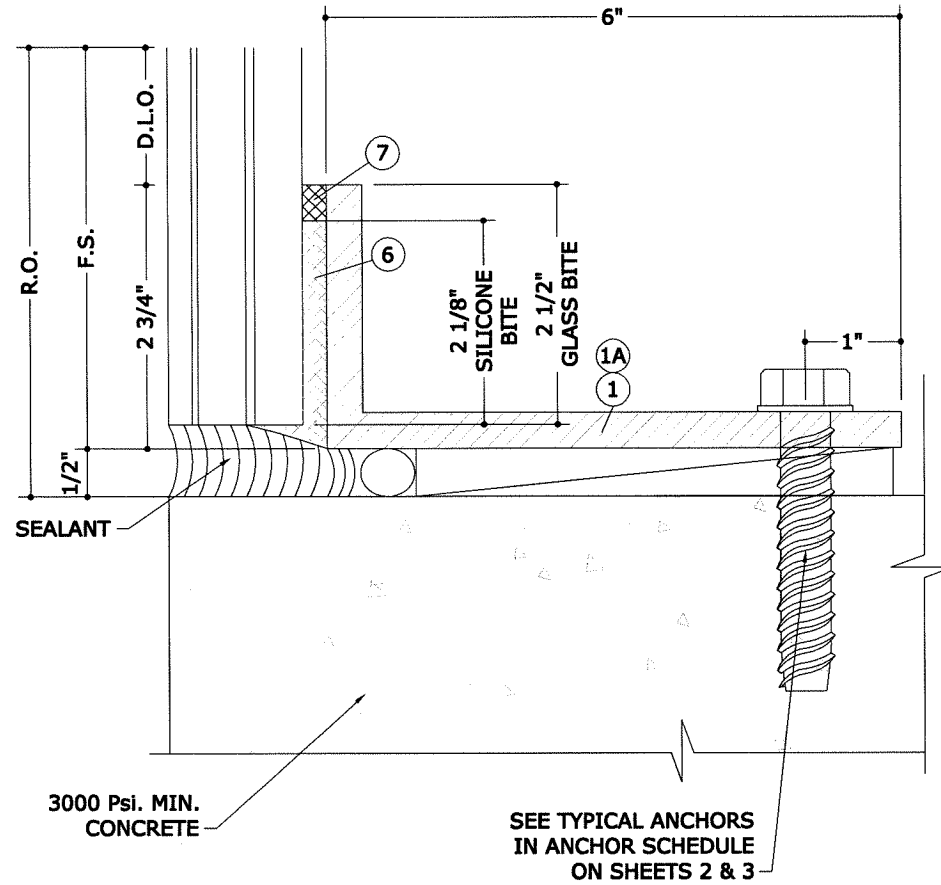
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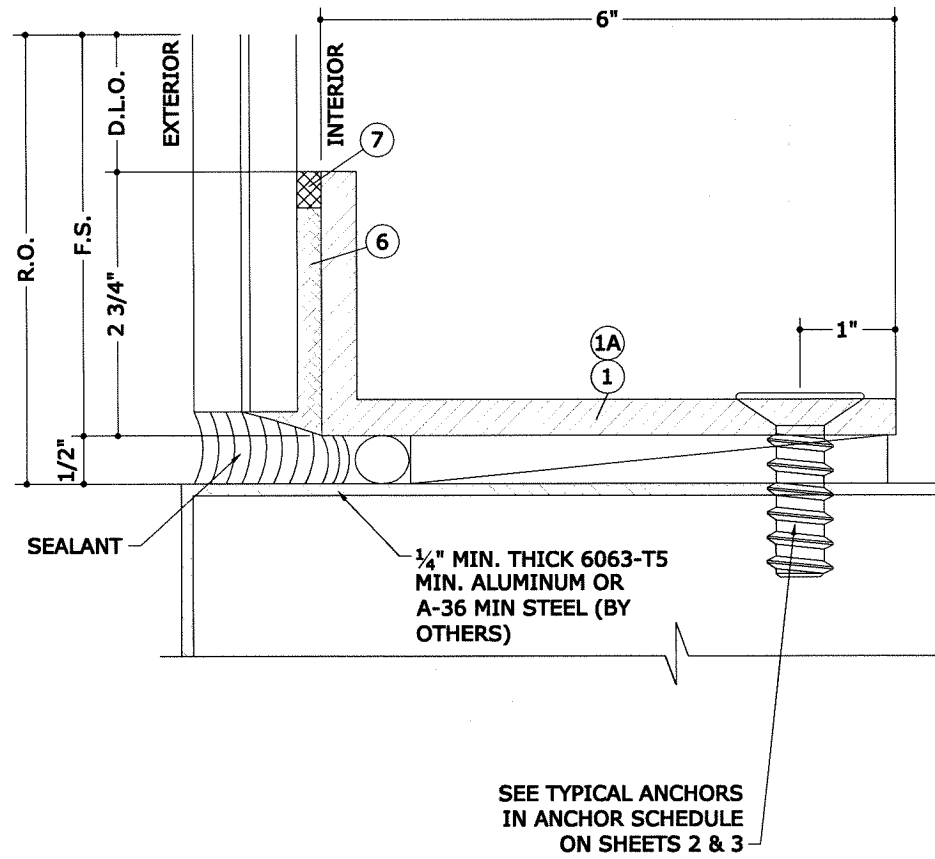
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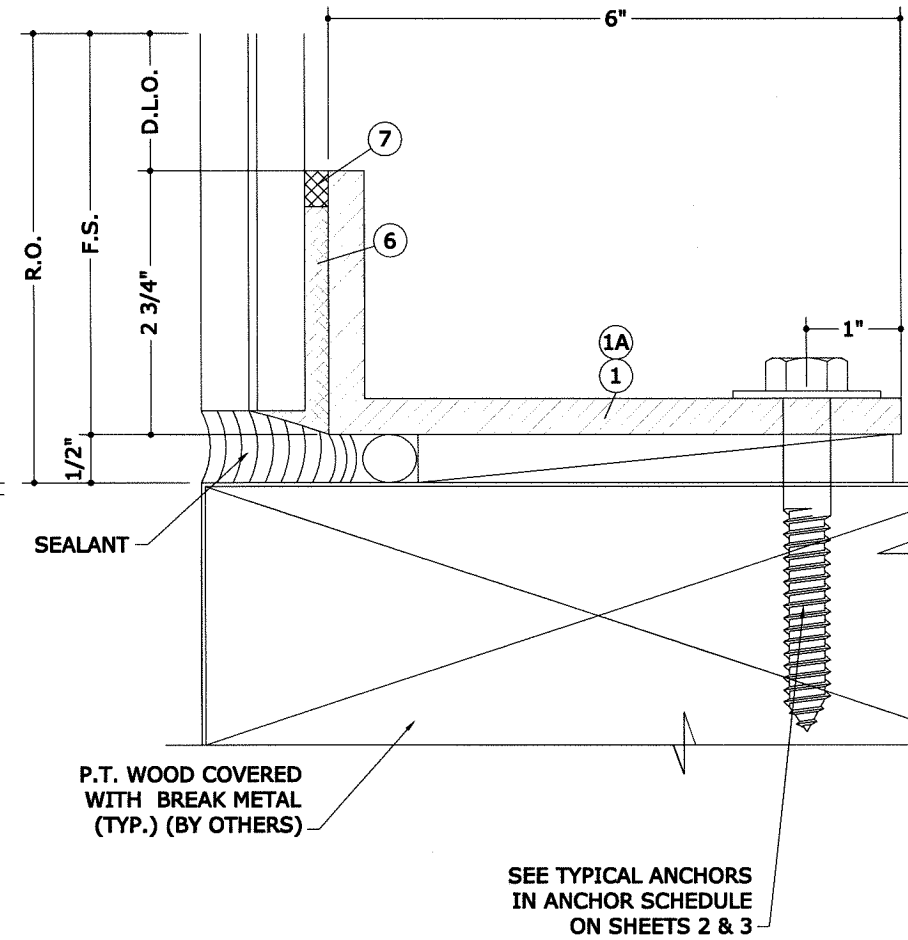
1 SILL DETAIL
5 6" = 1'-0"

NOTE: DISSIMILAR METALS MUST BE PROPERLY ISOLATED TO PREVENT ELECTROLYSIS.



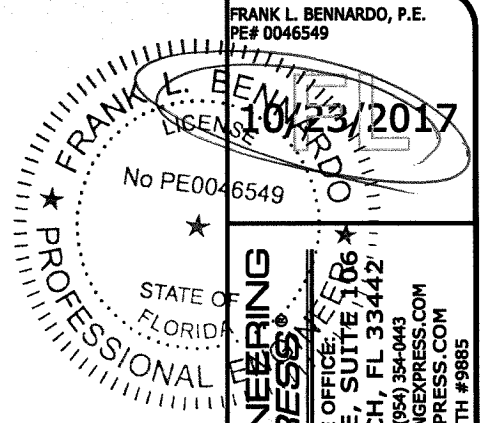
2 SILL DETAIL
5 6" = 1'-0"

NOTE: ALL WATERPROOFING REQUIREMENTS ARE NOT INCLUDED IN THIS CERTIFICATION



3 SILL DETAIL
5 6" = 1'-0"

NOTE: ALL GLAZING DETAILS SHOWN ON (SHEET 8) CAN BE APPLIED TO ALL WINDOW CONFIGURATIONS



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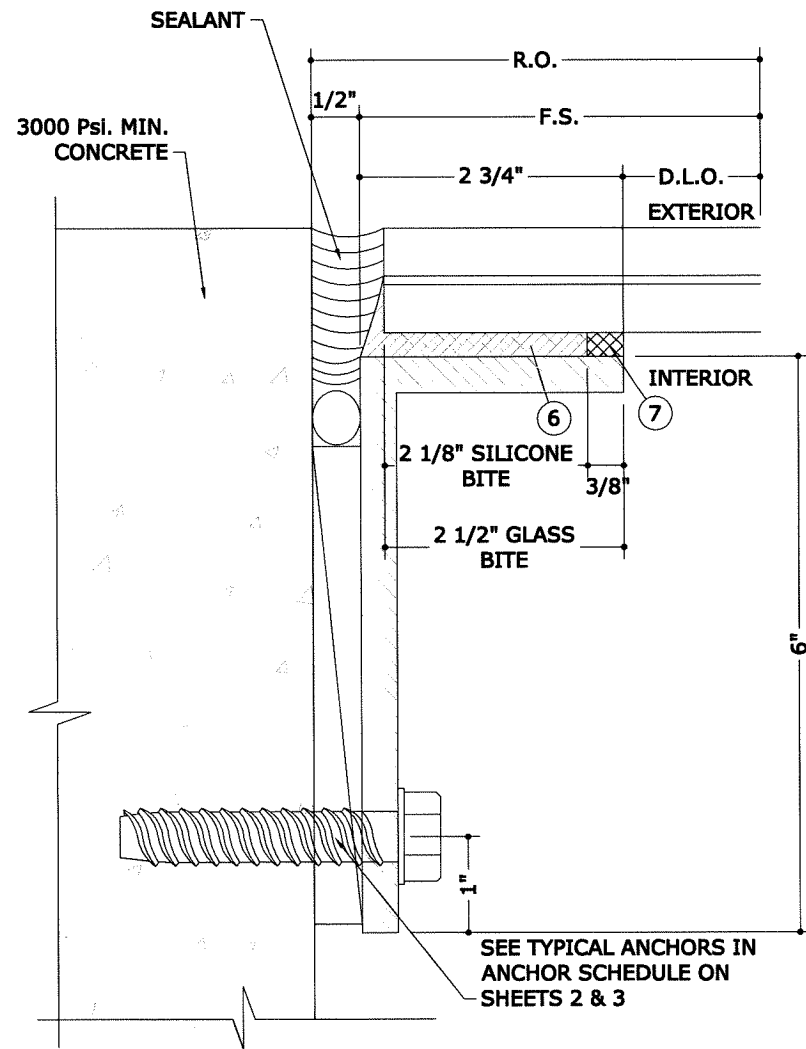
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601 SW. 66TH TERRACE
PEMBROKE PINES, FL 33023
(954) 638-5608
OVERSIZED FIXED WINDOW
FL#20700.2
FLORIDA BUILDING CODE SIXTH EDITION (2017)

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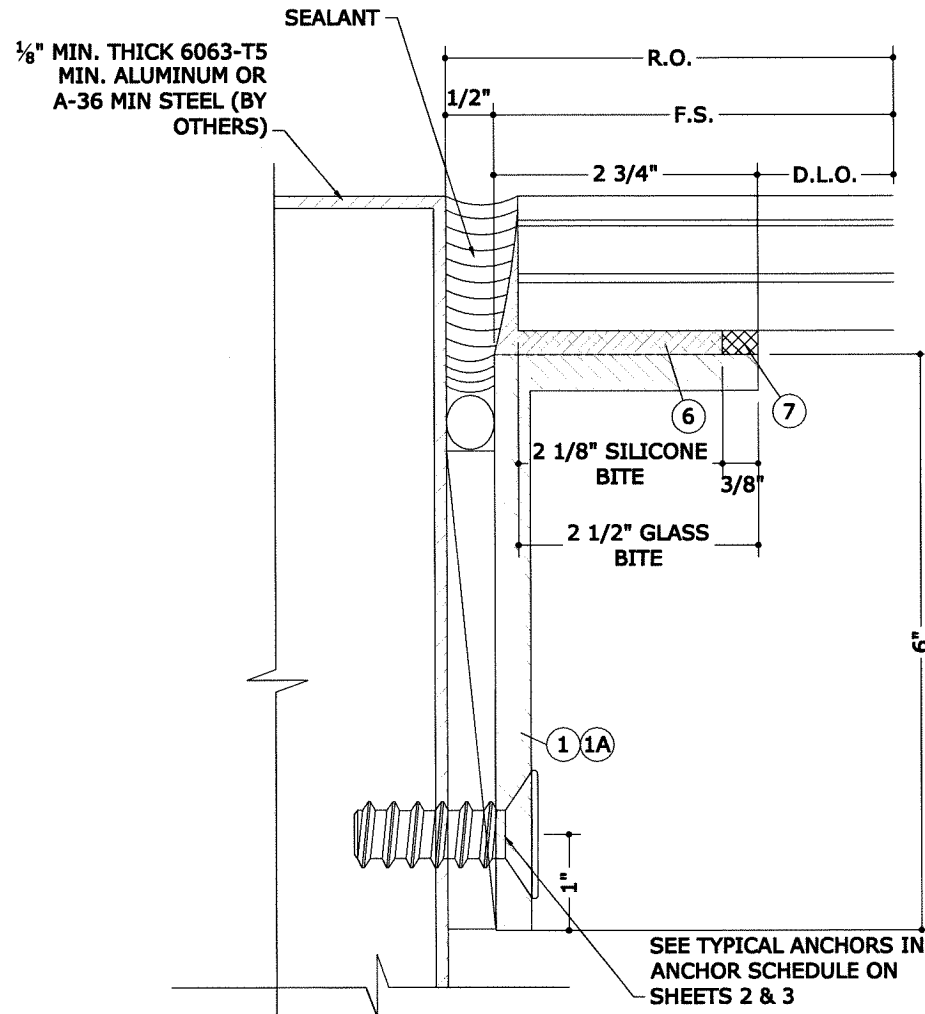
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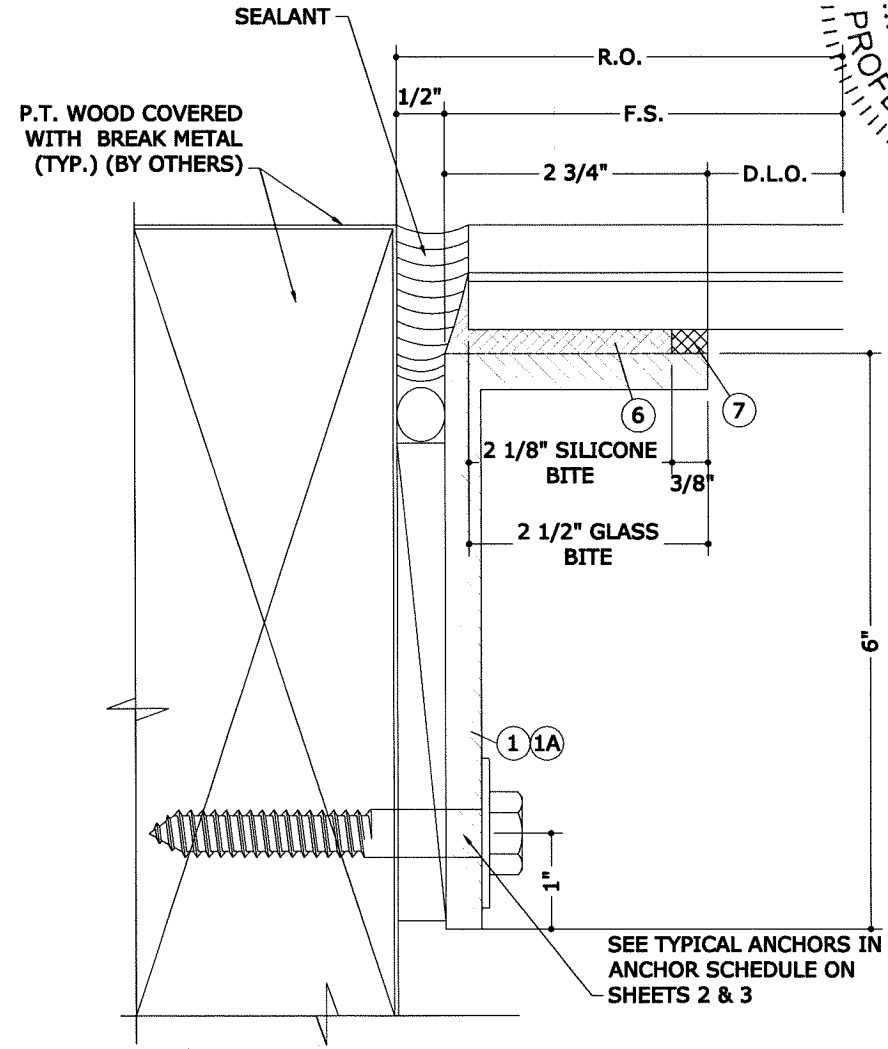
1 PERIMETER DETAIL
6 6" = 1'-0"

NOTE: DISSIMILAR METALS MUST BE PROPERLY ISOLATED TO PREVENT ELECTROLYSIS.



2 PERIMETER DETAIL
6 6" = 1'-0"

NOTE: ALL WATERPROOFING REQUIREMENTS ARE NOT INCLUDED IN THIS CERTIFICATION



3 PERIMETER DETAIL
6 6" = 1'-0"

NOTE: ALL GLAZING DETAILS SHOWN ON (SHEET 8) CAN BE APPLIED TO ALL WINDOW CONFIGURATIONS

FRANK L. BENNARDO, P.E.
PE# 0046549
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OVERSIZED FIXED WINDOW
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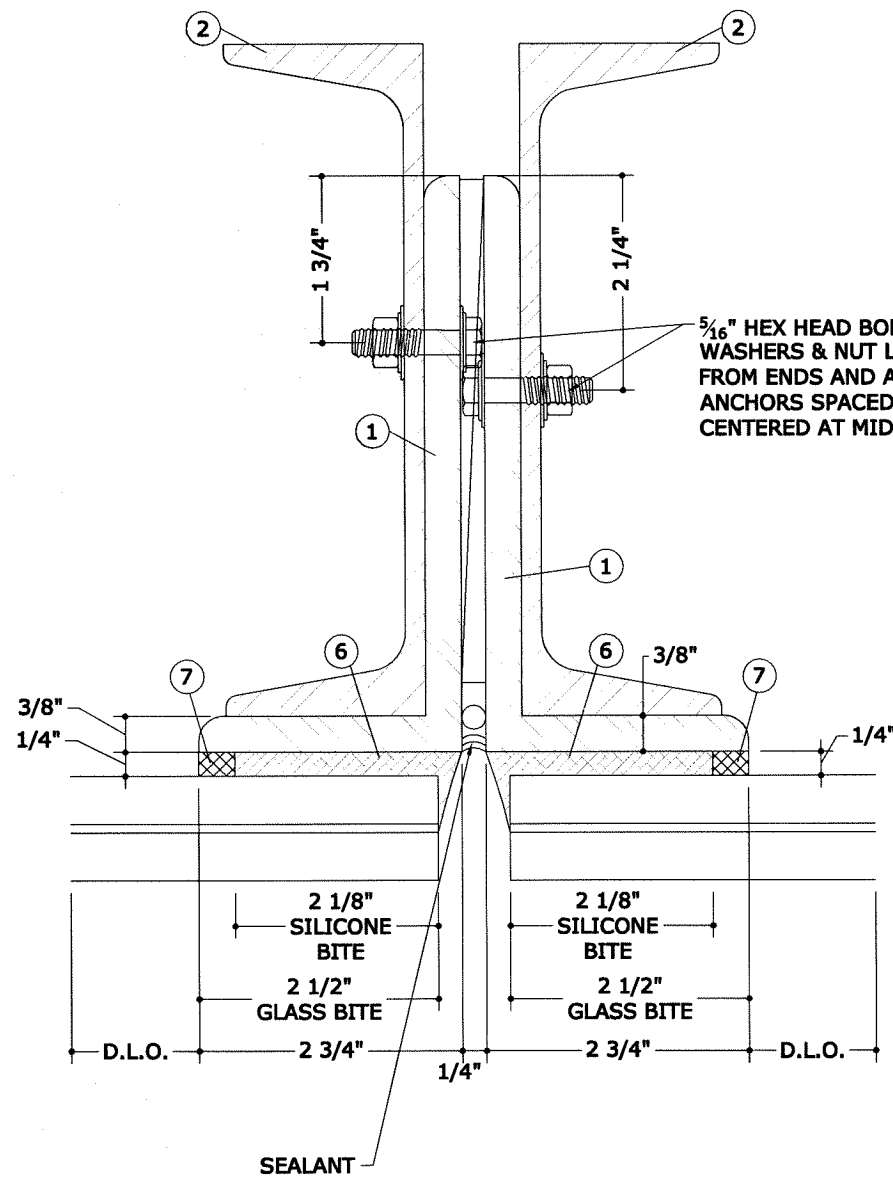
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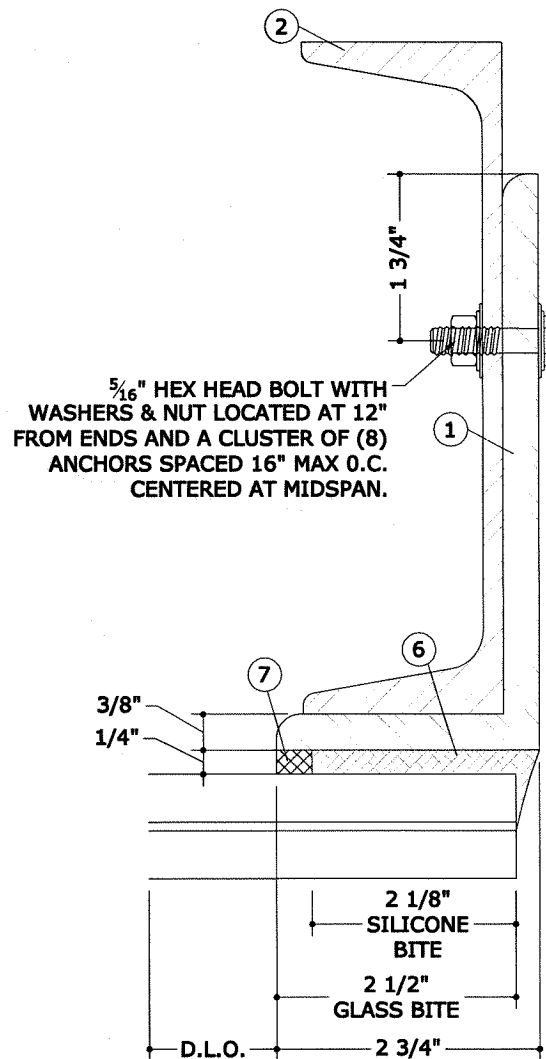


1 JOINT FRAME DETAIL
7 6" = 1'-0"

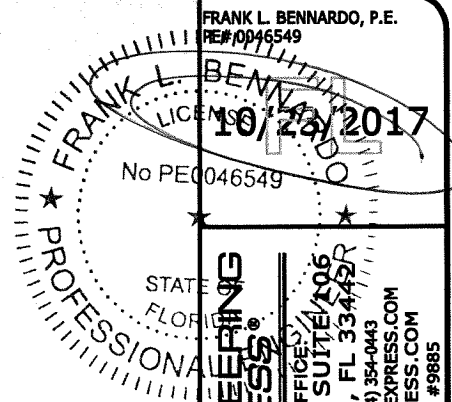
NOTE: DISSIMILAR METALS MUST BE PROPERLY ISOLATED TO PREVENT ELECTROLISYS.

NOTE: ALL WATERPROOFING REQUIREMENTS ARE NOT INCLUDED IN THIS CERTIFICATION

NOTE: ALL GLAZING DETAILS SHOWN ON (SHEET 8) CAN BE APPLIED TO ALL WINDOW CONFIGURATIONS



2 JAMB DETAIL
7 6" = 1'-0"



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OVERSIZED FIXED WINDOW
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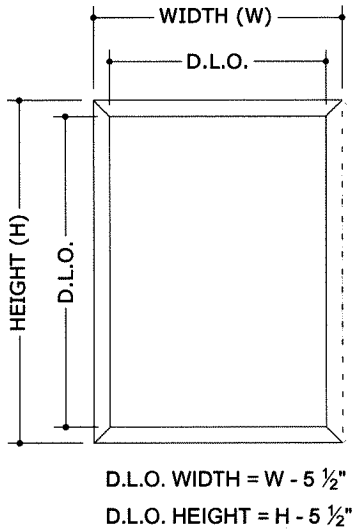
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7 OF 12

DIMENSIONS		PRESSURES	
WIDTH (In.)	HEIGHT (In.)	(+) P.S.F	(-) P.S.F
48	72	120	120
54		120	120
60		120	120
66		109	109
72		100	100
78		100	100
84		100	100
90		100	100
96		100	100
102		100	100
108		100	100
114		100	100
120		100	100
126		100	100
132		100	100
138		100	100
144		100	100
150		100	100
156		100	100
162		100	100
168		100	100
174		100	100
180		100	100
186		100	100
192		100	100
198		100	100
204		100	100
210		100	100
216		100	100
222		100	100
228		100	100
234		100	100
240		100	100
246		100	100
252		100	100
258		100	100
264		100	100

DESIGN TABLE			
DIMENSIONS		PRESSURES	
WIDTH (In.)	HEIGHT (In.)	(+) P.S.F	(-) P.S.F
48	84	120	120
54		120	120
60		120	120
66		109	109
72		100	100
78		92	92
84		85	85
90		85	85
96		85	85
102		85	85
108		85	85
114		85	85
120		85	85
126		85	85
132		85	85
138		85	85
144		85	85
150		85	85
156		85	85
162		85	85
168		85	85
174		85	85
180		85	85
186		85	85
192		85	85
198		85	85
204		85	85
210		85	85
216		85	85
222		85	85
48	96	120	120
54		120	120
60		120	120
66		109	109
72		100	100
78		92	92
84		85	85
90		80	80
96		75	75
102		75	75
108		75	75
114		75	75
120		75	75
126		75	75
132		75	75
138		75	75
144		75	75
150		75	75
156		75	75
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168		75	75
174		75	75
180		75	75
186		75	75
192		75	75
198		75	75

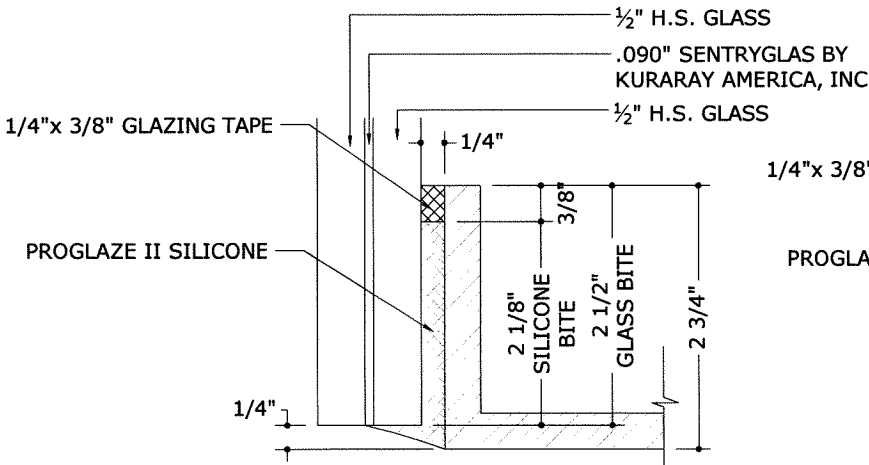
DIMENSIONS		PRESSURES	
WIDTH (In.)	HEIGHT (In.)	(+) P.S.F	(-) P.S.F
48	108	120	120
54		120	120
60		120	120
66		109	109
72		100	100
78		92	92
84		85	85
90		80	80
96		75	75
102		70	70
108		66	66
114		66	66
120		66	66
126		66	66
132		66	66
138		66	66
144		66	66
150		66	66
156		66	66
162		66	66
168		66	66
174		66	66



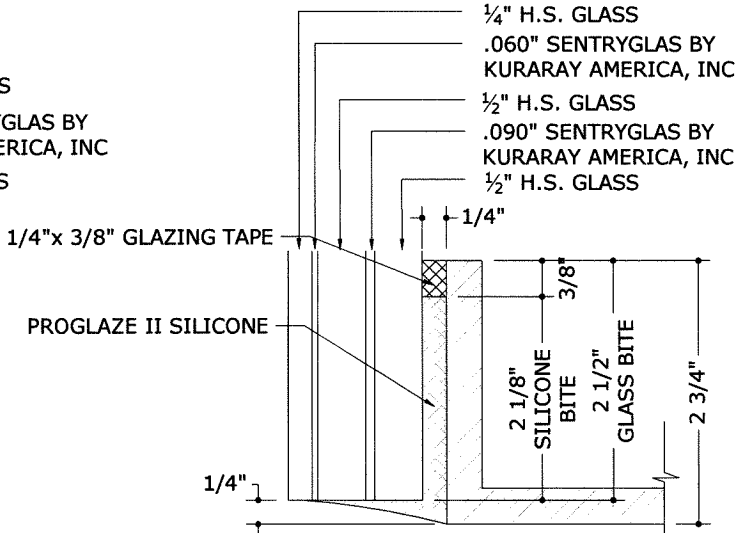
NOTE:
SYSTEM IS RATED TO 48 PSF WATER
RESISTANCE PER ASTM E531-00.

NOTE:
WINDOWS MAY BE INSTALLED
TOGETHER AN INFINITE NUMBER OF
BAYS PROVIDED EACH WINDOW SIZE
DOES NOT EXCEED SIZES ON CHART.

NOTE:
GLASS COMPLIES WITH ASTM
E1300-09.



G1 **GLAZING DETAIL**
6" = 1'-0"



G2 **GLAZING DETAIL**
6" = 1'-0"

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10/23/2017
No PE 0046549

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CERT OF AUTH #9885

FENEX CORP M.D., INC.
601 SW. 66TH TERRACE
PEMBROKE PINES, FL 33023
(954) 638-5608

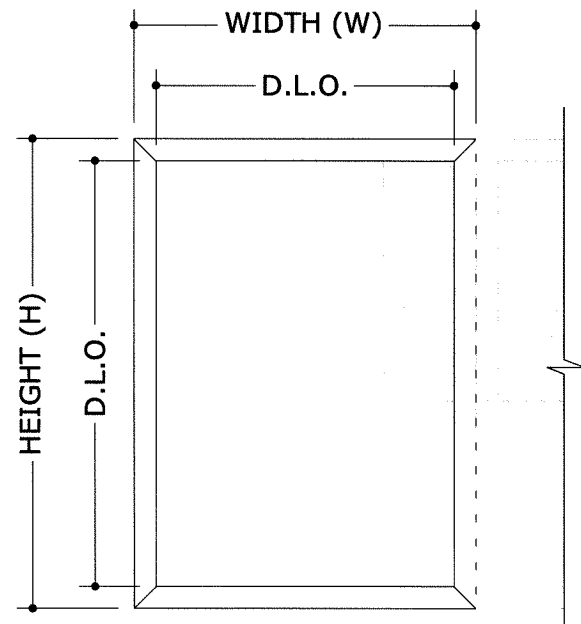
OVERSIZED FIXED WINDOW
FL#20700.2
FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS
INIT ISSUE
DATE
10/20/17
JMP AJP
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16-3457
SCALE: NTS UNLESS NOTED

8
12

DESIGN TABLE												
DIMENSIONS		PRESSURES		DIMENSIONS		PRESSURES		DIMENSIONS		PRESSURES		
WIDTH (In.)	HEIGHT (In.)	(+) P.S.F	(-) P.S.F	WIDTH (In.)	HEIGHT (In.)	(+) P.S.F	(-) P.S.F	WIDTH (In.)	HEIGHT (In.)	(+) P.S.F	(-) P.S.F	
48	120	120	120	48	156	120	120	48	216	118	118	
54		120	120	54		120	120	54		105	105	
60		120	120	60		120	120	60		95	95	
66		109	109	66		109	109	66		87	87	
72		100	100	72		100	100	72		80	80	
78		92	92	78		92	92	78		74	74	
84		85	85	84		85	85	84	69	69		
90		80	80	90		80	80	48	228	105	105	
96		75	75	96	75	75	54	94		94		
102		70	70	102	70	70	60	85		85		
108		66	66	108	66	66	66	78		78		
114		63	63	114	63	63	72	71		71		
120		60	60	120	60	60	78	66		66		
126		60	60	48	168	120	120	48	240	95	95	
132		60	60	54		120	120	54		85	85	
138		60	60	60		120	120	60		76	76	
144	60	60	66	109		109	66	70		70		
150	60	60	72	100		100	72	64		64		
156	60	60	78	92		92	78	60		60		
48	132	120	120	84		85	85	48	252	86	86	
54		120	120	90		80	80	54		77	77	
60		120	120	96	75	75	60	69		69		
66		109	109	102	70	70	66	63		63		
72		100	100	108	66	66	72	58		58		
78		92	92	48	120	120	48	78		78		
84		85	85	54	120	120	54	70	70			
90		80	80	60	120	120	60	63	63			
96		75	75	66	109	109	66	57	57			
102		70	70	72	100	100	72	53	53			
108		66	66	78	92	92	48	276	71	71		
114		63	63	84	85	85	54		64	64		
120		60	60	90	80	80	60		57	57		
126		57	57	96	75	75	66		52	52		
132		54	54	102	70	70	48		65	65		
138		54	54	48	120	120	54		58	58		
144	54	54	54	120	120	60	53	53				
48	144	120	120	60	192	120	120	66	48	48		
54		120	120	66		109	109	48	60	60		
60		120	120	72		100	100	54	54	54		
66		109	109	78		92	92	60	48	48		
72		100	100	84		85	85	48	56	56		
78		92	92	90		80	80	54	49	49		
84		85	85	96		75	75	60	45	45		
90		80	80	48		120	120	48	324	52	52	
96		75	75	54	118	118	54	46		46		
102		70	70	60	107	107	48	336		48	48	
108		66	66	66	98	98	54			43	43	
114		63	63	72	90	90	48			348	45	45
120		60	60	78	84	84	54				40	40
126		57	57	84	78	78	48		360		42	42
132		54	54	90	74	74	48		372		39	39
								396	34		34	



D.L.O. WIDTH = $W - 5 \frac{1}{2}"$

D.L.O. HEIGHT = $H - 5 \frac{1}{2}"$

NOTE:
SYSTEM IS RATED TO 18 PSF WATER
RESISTANCE PER ASTM E331-00.

**NOTE:
WINDOWS MAY BE INSTALLED
TOGETHER AN INFINITE NUMBER OF
BAYS PROVIDED EACH WINDOW SIZE
DOES NOT EXCEED SIZES ON CHART.**

NOTE:
GLASS COMPLIES WITH ASTM
E1300-09.

FRANK L BENNARDI, P.E.
PE# 0046549

LICENSE
10/23/2017
No PE0046549

PROFESSIONAL ENGINEER

STATE OF FLORIDA

ENGINEERING EXPRESS®

CORPORATE OFFICE:

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CERT OF AUTH #9885

FENEX CORP M.D., INC.

601 SW. 66TH TERRACE

(954) 638-5608

FIXED FIXED WINDOW

FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS	DRWN		CHKD	DATE
	JMP	AJP		10/20/17
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

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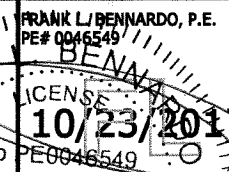
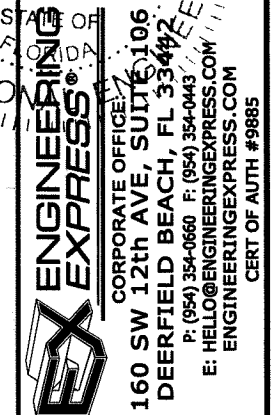
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OF
12

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TYP. CORNER WELDING DETAILS



FENEX CORP M.D., INC.

601 SW. 66TH TERRACE

**ROCK PINES, FL
(954) 638-5608**

OVERSIZED FIXED WINDOW

FL# 20700.2
FLORIDA BUILDING CODE SIXTH EDITION (2017)

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-	-	-	-
-	-	-	-
-	-	-	-
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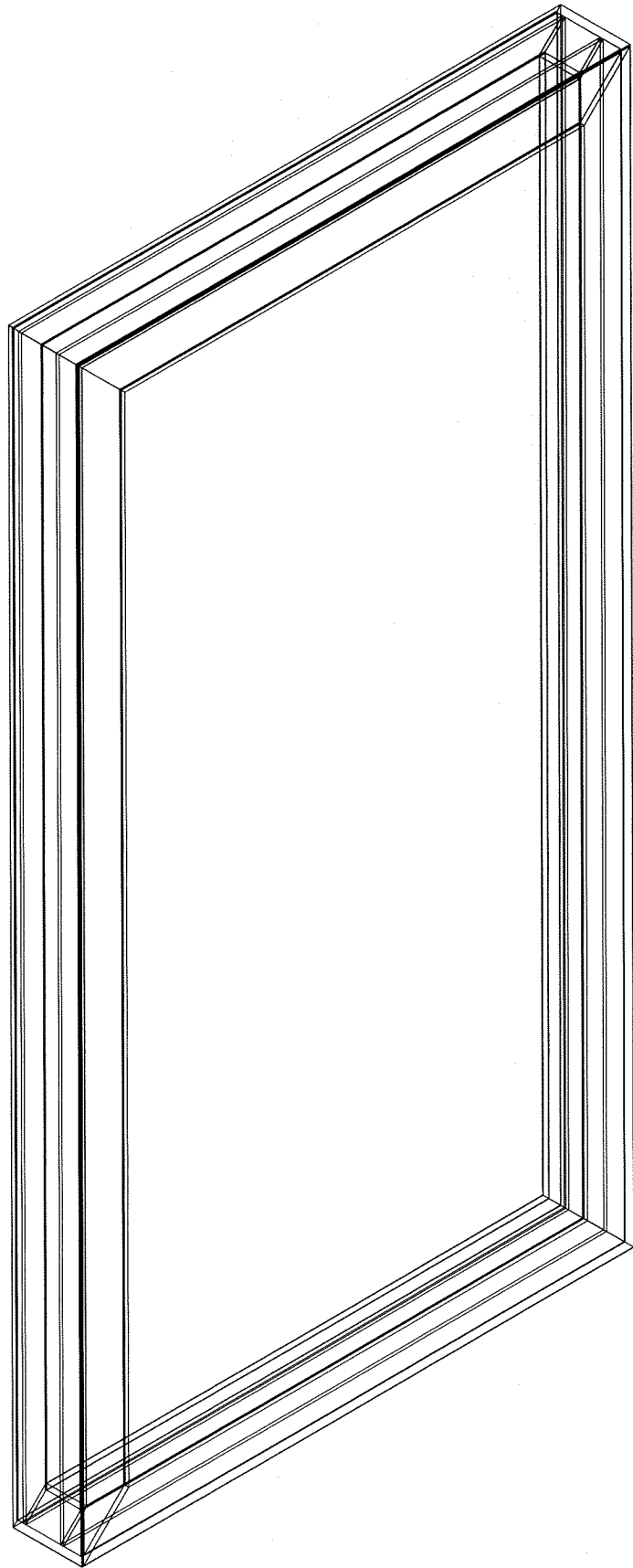
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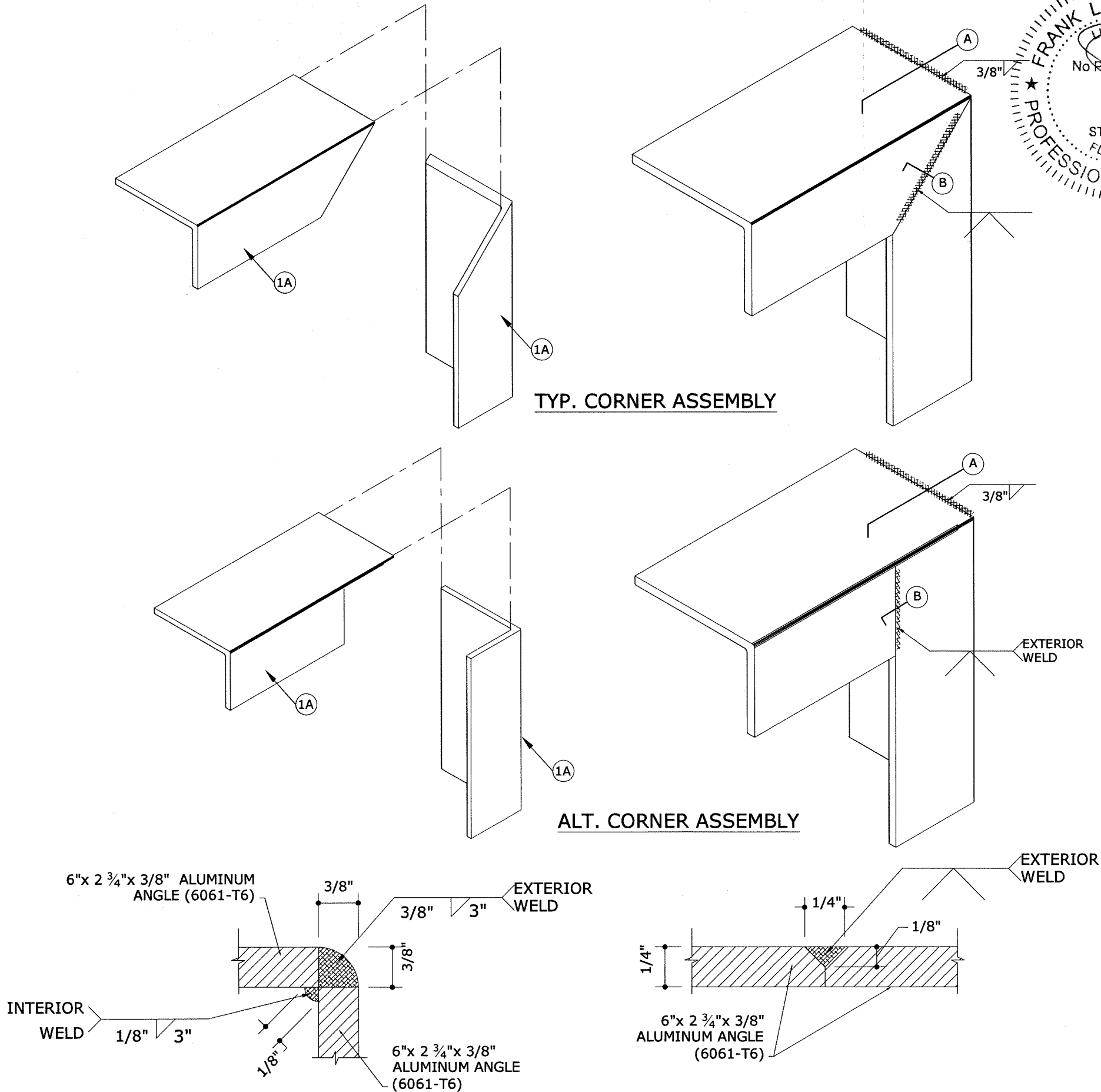
OF
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10/23/2017 - 2:35pm zachr V:\Projects\16-3457 Oversized fixed window stainless steel\01\APPROVAL Drawings\16-3457g Oversized fixed window Approval.dwg



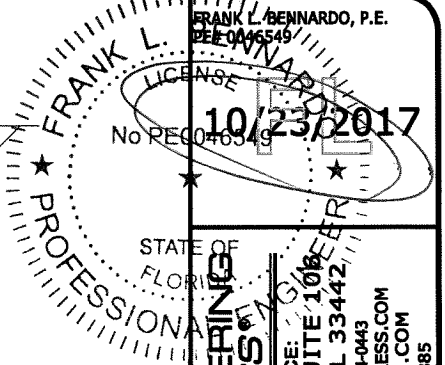
FIXED WINDOW ASSEMBLY (TYP.)



WELD SECTION "A"

WELD SECTION "B"

TYP. CORNER WELDING DETAILS



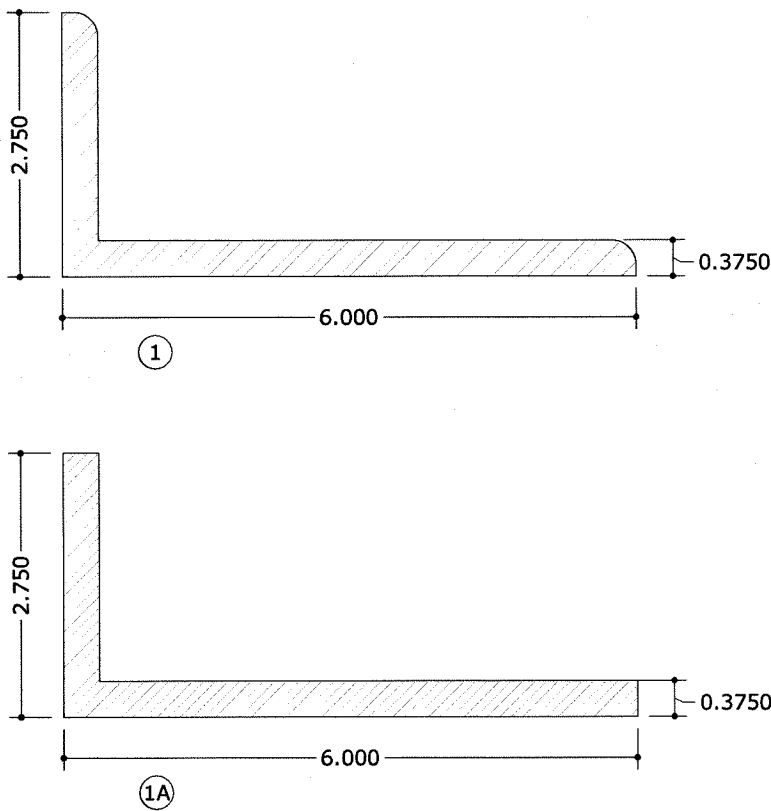
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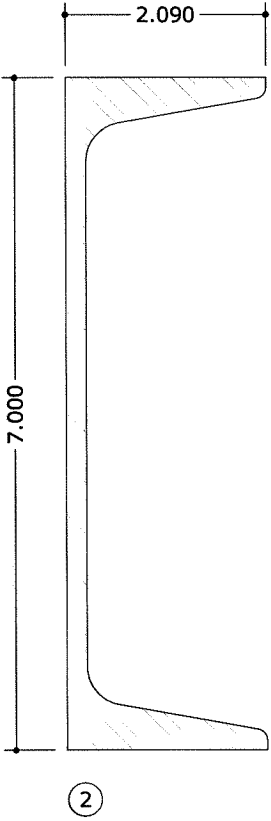
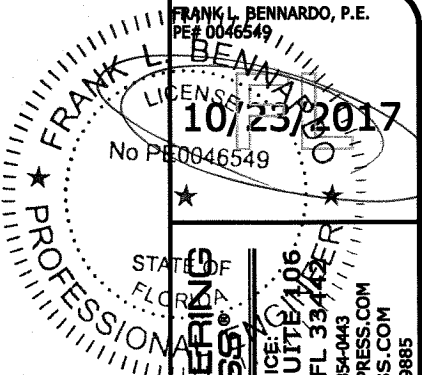
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MATERIAL SCHEDULE				
ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
①	-	6"x 2 3/4"x 3/8" STEEL ANGLE	304 STAINLESS STEEL	WINDOW FRAME
①A	-	6"x 2 3/4"x 3/8" ALUMINUM ANGLE	6061-T6 ALUMINUM	WINDOW FRAME
②	-	C7x9.8 STEEL REINFORCEMENT CHANNEL	A-36 MIN.	
③	-	-	-	
④	-	-	-	
⑤	-	-	-	
⑥	-	PROGLAZE II	SILICONE	GLAZING SEALANT
⑦	GT-14	1/4"x 3/8" GLAZING TAPE	ANEMOSTAT GLAZING TAPE	SPACER
⑧	-	85± 5 SHORE A DUROMETER BLOCKS CENTERED AT 1/4 POINTS WITH LENGTH DEPENDENT ON GLASS AREA		GLAZING BLOCK



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