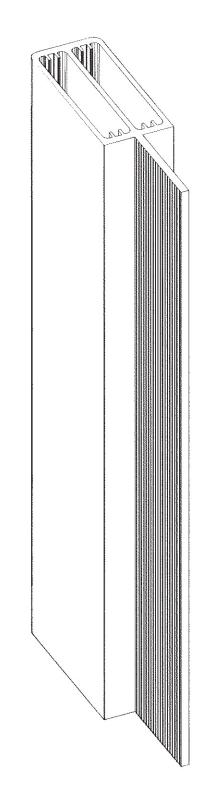
LA FINESTRA, LC SERIES ALUMINUM MULLIONS

LARGE MISSILE IMPACT RESISTANT



GENERAL NOTES

- 1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER TAS 201 / 202 / 203 & ASTM E1300-09 STANDARDS.
- 2. 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.
- 3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. SITE SPECIFIC LOAD WIND LOAD REQUIREMENTS SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7 AND THE FLORIDA BUILDING CODE BY SEPARATE ENGINEERING CERTIFICATION AND SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUE LISTED HEREIN FOR ANY ASSEMBLY WITHIN THE LIMITATIONS STATED HEREIN.
- 4. 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.
- 5. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- 6. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
- 7. EXTERIOR SEAM OF FRAME CORNERS, INSTALLATION SCREWS, AND GLAZING BEAD ENDS SHALL BE SEALED WITH SILICONE.
- 8. ALL DISSIMILAR MATERIALS SHALL BE PAINTED OR PLATED AS PRESCRIBED IN THE FLORIDA BUILDING CODE.
- 12. APPROVED FOR SMALL AND LARGE MISSILE IMPACT APPLICATIONS.
- 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 NTENDED.
- 15. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

HURRICANE ENGINEERING & TESTING INC LAB REPORT NUMBERS HEITI-16-530, 16-T312, 16-T313, 16-5019, T-307 & T308

TO BE USED WITH LA FINESTRA PRODUCTS ONLY FINESTRA, LC

90 NW 104TH COURT

DORAL, FL

160 CW 12th AVERA

(305) 599-80 (305)

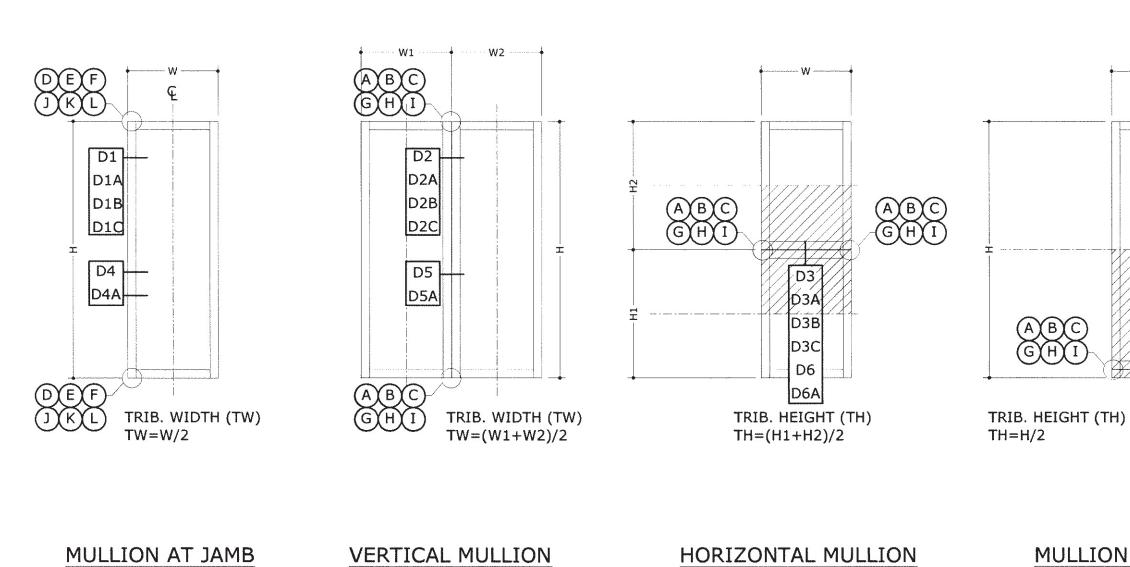
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MULLION AT HEAD/SILL

D3

D3A D3B

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TYPICAL ELEVATIONS

LA FINESTRA, 2790 NW 104TH COURT 16-3151 SCALE: SEE DETAILS 01
PAGE DESCRIPTION:

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NOMINAL DIMS

NON-REINF

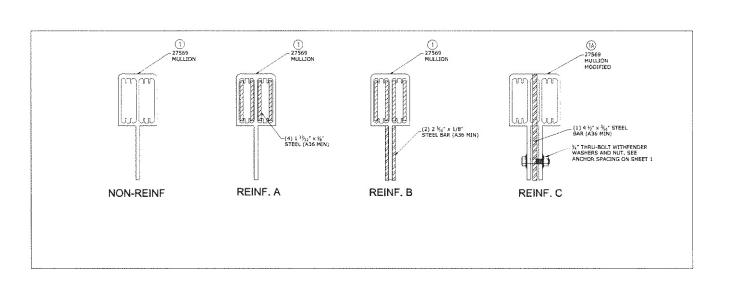
\$ 1 m = 111		WINDOW DE						
NOMINAL DIMS		NON-REINF		WITH-REIN		ļ	CHORS AT I	
WIDTH	HEIGHT		Reinf. A	Reinf. B	Reinf. C	WOOD	CONC.	METAL
	1.2.0	(+/-) P.S.F	(+/-) P.S.					
36"		100	100	100	100	2	1	1
42*		100	100	100	100	3	1	1
48 "		100	100	100	100	3	1	1
54"		100	100	100	100	3	1	1
60"		100	100	100	100	3	1	1
66"		100	100	100	100	4	1	1
72"		100	100	100	100	4	. 1	2
78"		100	100	100	100	4	1	2
84"		100	100	100	100	5	1	2
90"	48"	100	100	100	100	5	1	2
96"		100	100	100	100	5	2	2
102"	ĺ	100	100	100	100	5	2	2
108"		98	98	98	98	6	2	2
114"		93	93	93	93	6	2	2
120"		89	89	89	89	6	2	2
126"	1	84	84	84	84	6	2	2
132"		80	80	80	80	6	2	2
138"	1	77	77	77	77	6	2	2
144"		74	74	74	74	6	2	2
144	l	1 74	14	1 14	1.44	L D		
36"		100	100	100	100	2	1	1
42"	1	100	100	100	100	3	1	1
48 "	1	100	100	100	100	3	1	1
54"		100	100	100	100	3	1	1
60"	ĺ	100	100	100	100	4	1	2
66"		100	100	100	100	4	1	2
72"		100	100	100	100	4	1	2
78"		100	100	100	100	5	1	2
84"		100	100	100	100	5	1	2
90"	e en	93	93	93	93	5	1	2
96"	54"	87	87	87	87	5	1	2
102"	1		82	82	82	5	1	2
		82	1	1		5	1	
108"		78	78	78	78	5	1	2
120"		74	74	74	74			
		70	70	70	70	5	1	2
126"		67	67	67	67	5	1	2
132"		63	63	63	63	5	1	2
138"		61	61	61	61	5 5	1	2
144"	<u> </u>	58	58	58	58	T 5	1	
36*		100	100	100	100	3	4	1
42"			1			3	1	1
		100	100	100	100		1	1
48 " 54"		100	100	100	100	3		
	1	100	100	100	100	4	1	2
60"	-	100	100	100	100	4	1	2
66"		100	100	100	100	5	1	2
72"		95	95	95	95	5	1	2
78"	1	87	87	87	87	5	1	2
84"		81	81	81	81	5	1	2
90"	60"	76	76	76	76	5	1	2
96"	1	71	71	71	71	5	1	2
102"]	67	67	67	67	5	1	2
108"		63	63	63	63	5	1	2

1	NOMINA	AL DINIO	NON-REINF	1	AALLU-LZETIA	,	# O: /1/40	MURSALE	ACH SID
	WIDTH	LICIOUT		Reinf. A	Reinf, B	Reinf. C	WOOD	CONC.	
-	WIDIR	HEIGHT	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.I
-	36"		100	100	100	100	3	1	1
	42"		100	100	100	100	3	1	1
***************************************	48 "		100	100	100	100	4	1	2
***************************************	54"		100	100	100	100	4	1	2
***************************************	60"		94	94	94	94	4	1	2
-	66"		85	85	85	85	4	1	2
***************************************	72"		78	78	78	78	4	1	2
*	78"		72	72	72	72	4	1	2
*	84"		67	67	67	67	4	1	2
**********	90"	66"	62	62	62	62	4	1	2
-	96"		58	58	58	58	4	1	2
1	102"		55	55	55	55	4	1	2
i	108"		52	52	52	52	4	1	2
	114"		49	49	49	49	4	1	2
I	120"		47	47	47	47	4	1	2
	126"		44	44	44	44	4	1	2
1	132"		42	42	42	42	4	1	2
I	138"		40	40	40	40	4	1	2
	144"		39	39	39	39	4	1	2
1	36"		100	100	100	100	3	1	1
1	42"		100	100	100	100	4	1	1
	48 "		98	98	98	98	4	1	2
ŀ	54"		87	87	87	87	4	1	2
ŀ	60"		79	79	79	79	4	1	2
Ì	66"		71	71	71	71	4	1	2
	72"		65	65	65	65	4	1	2
	78"		60	60	60	60	4	1	2
	84"		56	56	56	56	4	1	2
١	90"	72"	52	52	52	52	4	1	2
۱	96"	1 14	49	49	49	49	4	1	2
I	102"		46	46	46	46	4	1	2
	108"		43	43	43	43	4	1	2
ı	114"		41	41	41	41	4	1	2
	120"		39	39	39	39	4	1	2
-	126"		37	37	37	37	4	1	2
**************************************	132"		35	35	35	35	4	1	2
Annahaman.	138"		34	34	34	34	4	1	2
THOM MAN	144"		32	32	32	32	4	1	2

WINDOW DESIGN CAPACITY (PSF) - SMALL MULLION

WITH-REINF

36*		100	100	100	100	3	1	1
42"		100	100	100	100	3	1	1
48 "		100	100	100	100	3	1	1
54"		100	100	100	100	4	1	2
60"		100	100	100	100	4	1	2
66"		100	100	100	100	5	1	2
72"		95	95	95	95	5	1	2
78"		87	87	87	87	5	1	2
84"		81	81	81	81	5	1	2
90"	60"	76	76	76	76	5	1	2
96"		71	71	71	71	5	1	2
102"		67	67	67	67	5	1	2
108"] [63	63	63	63	5	1	2
114"] [60	60	60	60	5	1	2
120"		57	57	57	57	5	1	2
126"] [54	54	54	54	5	1	2
132"] [51	51	51	51	5	1	2
138"] [49	49	49	49	5	1	2
144"	Ι Γ	47	47	47	47	5	1	2



OF ANCHORS AT EACH SIDE

LA FINESTRA, L
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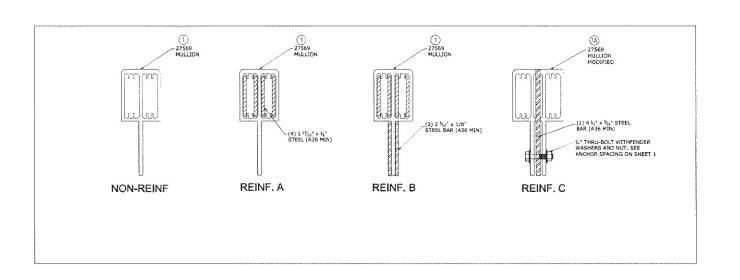
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SMALL MULLION

NOMINA	AL DIMS	WINDOW DES	Y	WITH-REIN			CHORS AT	EACH SIDE
		NONTALIN	Reinf. A	Reinf. B	Reinf. C	WOOD	CONC.	
WIDTH	HEIGHT	(+/-) P.S.F		(+/-) P.S.F			(+/-) P.S.F	(+/-) P.S.F
36"		100	100	100	100	3	1	1
42"						4	1	1
		95	96	96	96		1	1
48 "		83	84	84	84	4		
54"		74	74	74	74	4	1	1
60"		66	67	67	67	4	1	1
66"		60	61	61	61	4	1	1
72"		55	56	56	56	4	1	1
78"		51	51	51	51	4	1	1
84"		47	48	48	48	4	1	1
90"	78"	44	44	44	44	4	1	1
96"	, 0	41	42	42	42	4	1	1
102"		39	39	39	39	4	1	1
108"						4	1	1
		37	37	37	37		 	
114"		35	35	35	35	4	1	1
120*		33	33	33	33	4	1	1
126"		31	32	32	32	4	1	1
132"		30	30	30	30	4	1	1
138"		29	29	29	29	4	1	1
144"		27	28	28	28	4	1	1
	L						·	·
36"		89	96	96	96	3	1	1
42"		76	83	83	83	3	1	1
48 "			1	72		3	1	1
		66	72	1	72		•	
54"		59	64	64	64	3	1	1
60"		53	58	58	58	3	1	11
66"		48	52	52	52	3	1	1
72"		44	48	48	48	3	1	1
78"		41	44	44	44	3	1	1
84"		38	41	41	41	3	1	1
90"	0.48	35	38	38	38	3	1	1
96"	84"		1	1		3	1	
		33	36	36	36			1
102"		31	34	34	34	3	1	1
108"		29	32	32	32	3	1	1
114"		28	30	30	30	3	1	1
120*		26	29	29	29	3	1	1
126"		25	27	27	27	3	1	1
132"		24	26	26	26	3	1	1
138"		23	25	25	25	3	1	1
		22	T	24	24	3	1	1
144"	<u> </u>	1 22	24	1 44	L <u> </u>	<u> </u>	1	
0.6"		I	T 2.	1 ~.	T		1 .	
36"		72	84	84	84	3	1	1
42"		62	72	72	72	3	1	1
48 "		54	63	63	63	3	1	1
54"	j	48	56	56	56	3	1	1
60"		43	50	50	50	3	1	1
66"	1	39	46	46	46	3	1	1
72"	1	36	42	42	42	3	1	1
78"			1	†	1	3	1	1
		33	38	38	38			-
84"	20, 2000	31	36	36	36	3	1	1 1
90"	90"	28	33	33	33	3	1	1
96"		27	31	31	31	3	1	1 1
102*	ļ	25	29	29	29	3	1	1
108"		24	28	28	28	3	1	1
114"	-	22	26	26	26	3	1	1
120"	-			1	25	3	1	1
		21	25	25	}			
126"		20	24	24	24	3	11	1
132"	1	-	23	23	23	3	1	1
		,	1 00	1 20	1 22	3	1	1 1
138"		-	22	22	22	3	1	1

			WINDOW DESI	GN CAPAC	GN CAPACITY (PSF) - SMALL MULLION							
IDE	NOMINA	AL DIMS	NON-REINF		WITH-REIN		# OF ANO	CHORS AT I	EACH SIDE			
	WIDTH	HEIGHT		Reinf. A	Reinf. B	Reinf. C	WOOD	CONC.				
.S.F	4410111	HEIGH	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F			
	36"		59	72	74	74	3	1	1			
	42"		51	61	63	63	3	1	1			
	48 "		44	54	55	55	3	1	1			
	54"		39	48	49	49	3	1	1			
	60"		35	43	44	44	3	1	1			
	66"		32	39	40	40	3	1	1			
	72"		29	36	37	37	3	1	1			
-	78"		27	33	34	34	3	1	1			
	84"	96"	25	30	31	31	3	1	1			
	90"		23	28	29	29	3	1	1			
	96"		22	27	27	27	3	1	1			
	102"		21	25	26	26	3	1	1			
	108"			24	24	24	3	1	1			
	114"			22	23	23	3	1	1			
	120"]	-	21	22	22	3	1	1			
	126"			20	21	21	3	1	1			
	132"		-	_	20	20	3	1	1			
	36"		49	60	65	65	3	1	1			
	42"		42	51	56	56	3	1	1			
	48 "]	37	45	49	49	3	1	1			
	54"]	33	40	43	43	3	1	1			
	60"]	29	36	39	39	3	1	1			
	66"		27	32	35	35	3	1	1			
	72"	102"	24	30	32	32	3	1	1			
	78"		22	27	30	30	3	1	1			
	84"		21	25	28	28	3	1	1			
	90"		-	24	26	26	3	1	1			
	96"		_	22	24	24	3	1	1			
	102"		-	21	23	23	3	1	1			
	108"]	_	20	21	21	3	1	1			
	114"]	-	-	20	20	3	1	1			





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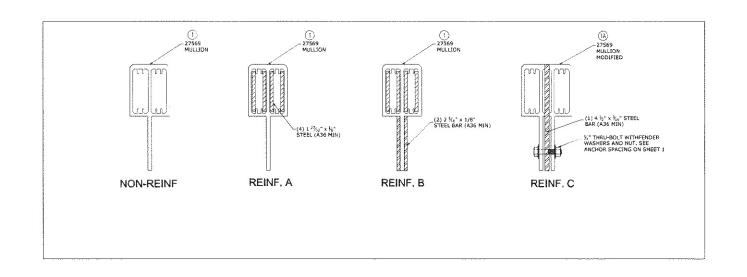
16-3151 SCALE: SEE DETAILS 01 PAGE DESCRIPTION:



SMALL MULLION

NOMINAL DIMS		NON-REINF		WITH-REIN	SMALL MUI	# OF ANCHORS AT EACH SIDE			
TOWNE	1 0,00	NON-KEINF	Reinf. A	Reinf, B	Reinf, C	WOOD CONC.			
WIDTH	HEIGHT	(+/-) P.S.F	I		(+/-) P.S.F			(+/-) P.S.F	
36"		41	50	56	58	3	1	1	
42"		35	43	48	50	3	1	1	
48 "		31	37	42	43	3	1	1	
54"		27	33	37	39	3	1	1	
60"	4	25	30	34	35	3	1	1	
66"	4001	22	27	31	31	3	1	1	
72"	108"	20	25	28	29	3	1	1	
78"		+	23	26	27	3	1	1	
84"			21	24	25	3	1	1	
90"		*	20	22	23	3	1	1	
96"		-		21	21	3	1	1	
102"				20	20	3	1	1	
36"	1	35	43	48	52	3	1	1	
42"	1	30	36	41	45	3	1	1	
48 "		26	32	36	39	3	1	1	
54"		23	28	32	35	3	1	1	
60"	İ	21	25	29	31	3	1	i	
66"	114"		23	26	28	3	1	1	
72"	1	-	21	24	26	3	1	1	
78"		_		22	24	3	1	l i	
84"		-	_	20	22	3	1	1	
90"		-	-	-	21	3	1	1	
								•	
36"		30	36	41	47	3	1	1	
42"		26	31	35	40	3	1	1	
48 "]	22	27	31	35	3	1	1	
54"		20	24	27	31	3	1	1	
60"	120"	_	22	24	28	3	1	1	
66"]		20	22	25	3	1	1	
72"		-	-	20	23	3	1	1	
78"]	-	-	-	21	3	1	1	
84"	1	_	_	_	20	3	1	1	

NOMINAL DIMS		NON-REINF		WITH-REIN	F	# OF ANO	CHORS AT I	EACH SIDE
MICTI	UEIGUT		Reinf, A	Reinf. B	Reinf. C	WOOD	CONC.	
WIDTH	HEIGHT	(+/-) P.S.F						
36"		26	31	35	43	2	1	1
42"]	22	27	30	36	2	1	1
48 *		_	23	26	32	2	1	1
54"	126"	-	21	23	28	2	1	1
60"		-	_	21	25	2	1	1
66"		-	-	-	23	2	1	1
72"		-	-	-	21	2	1	1
36"		22	27	31	39	2	1	1
42"	1	-	23	26	33	2	1	1
48 "	1	-	20	23	29	2	1	1
54"	132"	_	-	20	26	2	1	1
60"	1	-	-	-	23	2	1	1
66"		-	-	-	21	2	1	1
36"		20	24	27	35	2	1	1
42"		_	20	23	30	2	1	1
48 "	1 138"	-	-	20	26	2	1	1
54"		_	<u> </u>	-	23	2	1	1
60"	1		-	-	21	2	1	1
36"			21	23	32	2	1	1
42"	1	-	1 -	20	28	2	1	1
48 "	144"		_		24	2	1	1
54"	1				21	2	1	1



LA FINESTRA, L
2790 NW 104TH COURT
DORAL, FL

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LARGE MULLION

	WINDO'	W DESIGN CAP	ACITY (PSF) - LAR	GE MULLIC)N			WINDO	W DESIGN CAP	ACITY (PSF) - LAR	GE MULLIO	N	
NOMIN/	AL DIMS	NON-REINF	WITH-REINF			EACH SIDE	NOMINA	AL DIMS	NON-REINF	WITH-REINF		HORS AT E	ACH SIDE
LARDTO	1.000.001.000		AAIIII-IZEIIAI	WOOD	CONC.				140(4-14)[114]	AATTU-L/CIIAL	WOOD	CONC.	STEEL
WIDTH	HEIGHT	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	WIDTH	HEIGHT	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F
36"		120	120	3	1	1	36"		120	120	3	1	1
42"		120	120	3	1	1	42"		120	120	4	1	2
48"		120	120	3	11	1	48 "		120	120	4	1	2
54"		120	120	4	1	1	54"		120	120	5	1	2
60" 66"		120 120	120 120	4	1	2	60"		120 120	120 120	5 6	2	2
72"		120	120	5	1	2	66" 72"		120	120	6	2	2
78"		120	120	5	1	2	78"		120	120	7	2	2
84"		120	120	5	2	2	84"		120	120	7	2	3
90"	48"	120	120	6	2	2	90"	66"	120	120	8	2	3
96"		120	120	6	2	2	96"	00	118	118	8	2	3
102"		120	120	6	2	2	102"		111	111	8	2	3
108"		120	120	7	2	2	108"		104	104	8	2	3
114"		120	120	7	2	3	114"		99	99	8	2	3
120"		120	120	8	2	3	120"		94	94	8	2	3
126"		120	120	8	2	3	126"		89	89	8	2	3
132"		120	120	8	2	3	132"		85	85	8	2	3
138"		120 120	120 120	9	2	3	138"		82	82	8	2	3
144"		120	120	Т а	22		144"		78	78	8	2	3
36"		120	120	3	1	1	36"		120	120	4	1	1
42"		120	120	3	1	1	42"		120	120	4	1	2
48"		120	120	4	1	1	48 "		120	120	5	1	2
54"		120	120	4	1	2	54"		120	120	5	2	2
60"		120	120	4	1 1	2	60"		120	120	6	2	2
66" 72"		120 120	120 120	5 5	1 2	2	66"		120 120	120 120	6	2	2
78"		120	120	6	2	2	72" 78"		120	120	7	2	3
84"		120	120	6	2	2	84"	j	113	113	7	2	3
90"	54"	120	120	6	2	2	90"	72"	105	105	7	2	3
96"	54	120	120	7	2	2	96"	12	99	99	7	2	3
102"		120	120	7	2	3	102"		93	93	7	2	3
108"		120	120	8	2	3	108"		88	88	7	2	3
114"		120	120	8	2	3	114"		83	83	7	2	3
120"		120	120	8	2	3	120"		79	79	7	2	3
126"		120	120	9	2	3	126"		75	75	7	2	3
132"		120	120	9	2	3	132"		72	72	7	2	3
138"		120 117	120 117	10	2	3	138"		68	68	7	2	3
144"		117	<u> </u>	10	2	3	144"		66	66	1 7	2	3
36"		120	120	3	1	1	36"		120	120	4	1	2
42"		120	120	4	1	1	42"		120	120	5	1	2
48"		120	120	4	1	2	48 "		120	120	5	1	2
54"		120	120	4	1	2	54"		120	120	6	2	2
60"		120	120	5	1	2	60"		120	120	6	2	2
66"		120	120	5	2	2	66"		120	120	7	2	2
72" 78"		120 120	120	6	2	2	72* 78"		112	112	7 -	2	2
84"		120	120 120	7	2	2 2	84"		104 96	104 96	7	2	2
90"	60"	120	120	7	2	3	90"	705	90	90	7	2	2
96"	00	120	120	8	2	3	96"	78"	84	84	7	2	2
102"		120	120	8	2	3	102"		79	79	7	2	2
108"		120	120	8	2	3	108"		75	75	7	2	2
114"		120	120	9	2	3	114"		71	71	7	2	2
120"		114	114	9	2	3	120"		67	67	7	2	2
126"	1	108	108	9	2	3	126"		64	64	7	2	2
132"		103	103	9	2	3	132"		61	61	7	2	2
138"		99	99	9	2	3	138"		58	58	7	2	2
144"	<u> </u>	95	95	9	2	3	144"	<u> </u>	56	56	7	2	2

1		WINDO	W DESIGN CAP	ACITY (PSF) - LAF	RGE MULLIO	N	
H SIDE	NOMINA	AL DIMS	NON-REINF	WITH-REINF	# OF ANO	CHORS AT E	EACH SIDE
TEEL	MANAGERIA	UELOUE		***************************************	WOOD	CONC.	STEEL
) P.S.F	WIDTH	HEIGHT	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F
1	36"		120	120	4	1	2
2	42"		120	120	5	1	2
2	48 "		120	120	5	2	2
2	54"		120	120	6	2	2
2	60"		116	116	6	2	2
2	66"		105	105	6	2	2
2	72"		97	97	6	2	2
2	78"		89	89	6	2	2
3	84"		83	83	6	2	2
3	90"	84"	77	77	6	2	2
3	96"		72	72	6	2	2
3	102"		68	68	6	2	2
3	108"		64	64	6	2	2
3	114"		61	61	6	2	2
3	120"		58	58	6	2	2
3	126*		55	55	6	2	2
3	132"		52	52	6	2	2
3	138"		50	50	6	2	2
3	144"		48	48	6	2	2
		y					***************************************
1	36"		120	120	4	1	2
2	42"		120	120	5	1	2
2	48 "		120	120	6	2	2
2	54"	-	112	112	6	2	2
2	60"	- Avenues	101	101	6	2	2
2	66"		92	92	6	2	2
2	72"		84	84	6	2	2
3	78"		78	78	6	2	2
3	84"		72	72	6	2	2
3	90"	90"	67	67	6	2	2
3	96"		63	63	6	2	2
3	102"		59	59	6	2	2
3	108"		56	56	6	2	2
3	114"		53	53	6	2	2
3	120"		50	50	6	2	2

48

46

44

42

48

46

44

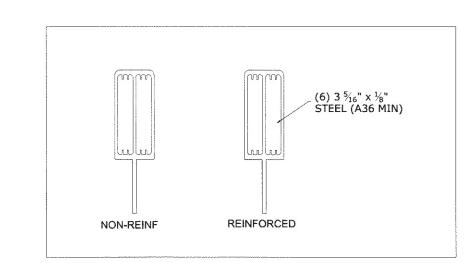
42

6

2

126* 132* 138*

144"



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DORAL, FL

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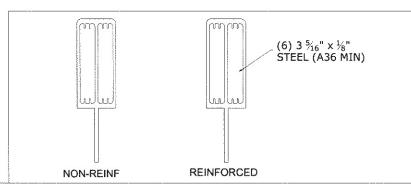
LARGE MULLION

	WINDO	W DESIGN CAP	ACITY (PSF) - LAR	GE MULLIO	N			WINDO'	W DESIGN CAP	ACITY (PSF) - LAR	GE MULLIC	N		
NOMINA	AL DIMS	NON-REINF	WITH-REINF			ACH SIDE	NOMINA	L DIMS	NON-REINF	WITH-REINF		CHORS AT E		
WIDTH	HEIGHT	(+/-) P.S.F	(+/-) P.S.F	WOOD (+/-) P.S.F	CONC. (+/-) P,S,F	STEEL (+/-) P.S.F	WIDTH	HEIGHT	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	CONC. (+/-) P.S.F	STEEL (+/-) P.S.F	
36"		120	120	5	1	2	36"		96	105	5	1	2	
42"		120	120	5	2	2	42"		82	90	5	1	2	
48 "		111	111	6	2	2	48 "		72	79	5	1	2	
54"		99	99	6	2	2	54"		64	70	5	1	2	П
60"		89	89	6	2	2	60"		57	63	5	1	2	
66"		81	81	6	2	2	66"		52	57	5	1	2	
72"		74	74	6	2	2	72"		48	52	5	1	2	
78"		68	68	6	2	2	78"		44	48	5	1	2	П
84"		63	63	6	2	2	84"		41	45	5	1	2	
90"	96"	59	59	6	2	2	90"	114"	38	42	5	1	2	
96"		55	55	6	2	2	96"		36	39	5	1	2	
102"		52	52	6	2	2	102"		34	37	5	1	2	
108"		49	49	6	2	2	108"		32	35	5	1	2	
114"		46	46	6	2	2	114"		30	33	5	1	2	
120"		44	44	6	2	2	120"		28	31	5	1	2	
126"		42	42	6	2	2	126"		27	30	5	1	2	
132"		40	40	6	2	2	132"		26	28	5	1	2	
138"		38	38	6	2	2	138"		25	27	5	1	2	
144"		37	37	6	2	2	144"		24	26	5	1	2	١,
36"		120	120	5	1	2	36"		82	95	5	1	2	
42"		112	112	5	2	2	42"		70	81	5	1	2	
48 "		98	98	5	2	2	48 "		62	71	5	1	2	
54"		87	87	5	2	2	54"		55	63	5	1	2	
60"		79	79	5	2	2	60"		49	57	5	1	2	
66"		71	71	5	2	2	66"		45	51	5	1	2	
72"		65	65	5	2	2	72"		41	47	5	1	2	
78"		60	60	5	2	2	78"		38	43	5	1	2]
84"		56	56	5	2	2	84"	120"	35	40	5	1	2	
90"	102"	52	52	5	2	2	90"		33	38	5	1	2	
96"		49	49	5	2	2	96"		31	35	5	1	2	
102"		46	46	5	2	2	102"		29	33	5	1	2	1
108"		43	43	5	2	2	108"		27	31	5	1	2	$\ \ $
114"		41	41	5	2	2	114"		26	30	5	1	2	Н
120"		39	39	5	2	2	120"		24	28	5	1	2	
126" 132"		37 35	37 35	5 5	2	2	126" 132"		23	27	5	1	2	١.
138"		34	34	5	2	2	138"		22 21	25 24	5 5	1 1	2	1
144"		32	32	5	2	2	144"		20	23	5	1	2	1
144			U.E.	J	<u> </u>		144		20		<u> </u>			_
36"		113	117	5	1	2	36"		71	86	4	1	2	
42"		97	100	5	1	2	42"		61	74	4	1	2	
48 "		85	88	5	2	2	48 "		53	64	4	1	2	.
54"		75	78	5	1	2	54"		47	57	4	1	2	1
60"		68	70	5	1	2	60"		42	51	. 4	1	2	1
66"		61	64	5	2	2	66"		39	47	4	1	2	H
72"		56	58	5	1	2	72" 78"	35	43	4	1	2	$\left\{ \ \right $	
78"		52	54	5	1	2			33	39	4	1	2	H
84"		48		1	2	84"		30	37	4	1	2	H	
90* 96*	108"	45 42	47 44	5	2	2	90"	126"	28 26	34	4	1	2	H
	-	42 40	41	5 5	1	2			26 25	32 30	4	1	2	ŧ.
102" 108"		37	39	5	1	2	102"		23	28	4	1	2	1
108"		35	39	5	1	2	108"		23	28 27	4	1	2	1
120"		34	35	5	1	2	120"		21	25	4	1	2	1
126"		32	33	5	1	2	126"		20	25	4	1	2	1
132"		30	32	5	2	2	132"		- 20	23	4	1	2	
138"		29	30	5	1	2	138"		-	22	4	1	2	
144"		28	29	5	1	2	144"		-	21	4	1	2	
777	l	***		L	i		1 177			£ 1		1		ı

WINDOW DESIGN CAPACITY (PSF) - LARGE MULLION									
NOMINA	AL DIMS	NON-REINF	WITH-REINF	# OF ANCHORS AT EACH SIDE					
WIDTH	HEIGHT			WOOD	CONC.	STEEL			
WIDIN	HEIGHT	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.F	(+/-) P.S.I			
36"		62	78	4	1	2			
42"		53	67	4	1	2			
48 "		46	59	4	1	2			
54"		41	52	4	1	2			
60"		37	47	4	1	2			
66"		33	42	4	1	2			
72"		31	39	4	1	2			
78"	1000 1100000	28	36	4	1	2			
84"	132"	26	33	4	1	2			
90"		24	31	4	1	2			
96"		23	29	4	1	2			
102"		21	27	4	1	2			
108"	}	20	26	4	1	2			
114"		-	24	4	1	2			
120"		-	23	4	1	2			
126"		-	22	4	1	2			
132"	1	-	21	4	1	2			
138"		-	20	4	1	2			
36"		54	71	4	1	2			
42"		46	61	4	1	2			
48 "		40	53	4	1	2			
EAR	1	26	47	4		^			

48		40	33	4	1	_ Z
54"] [36	47	4	1	2
60"	1 [32	43	4	1	2
66"		29	39	4	1	2
72"		27	35	4	1	2
78"	138"	25	33	4	1	2
84"		23	30	4	1	2
90"] [21	28	4	1	2
96"		20	26	4	1	2
102"] [-	25	4	1	2
108"		-	23	4	1	2
114"		-	22	4	1	2
120"		-	21	4	1	2
126"			20	4	1	2
36"		47	66	4	1	2
42"		41	56	4	1	2
48 "	1 [35	49	4	1	2
54"	1 [31	44	4	1	2

36"		47	66	4	1	2
42"		41	56	4	1	2
48 "		35	49	4	1	2
54"		31	44	4	1	2
60"		28	39	4	1	2
66"		26	36	4	1	2
72*	144"	23	33	4	1	2
78"		22	30	4	1	2
84"		20	28	4	1	2
90"		-	26	4	4	2
96"		-	24	4	1	2
102"		-	23	4	1	2
108"			22	4	April 1	2
114"		-	20	4	1	2

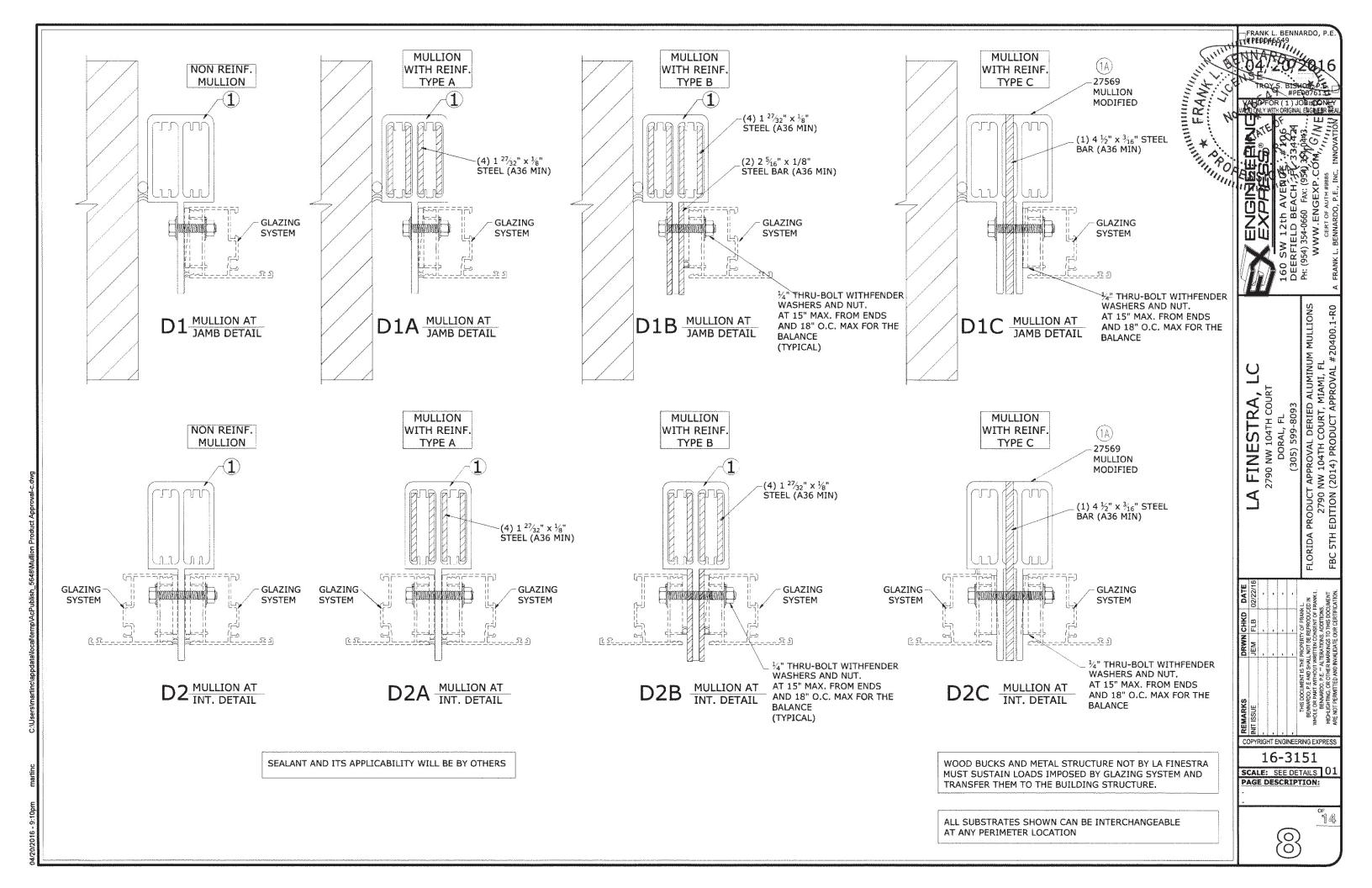


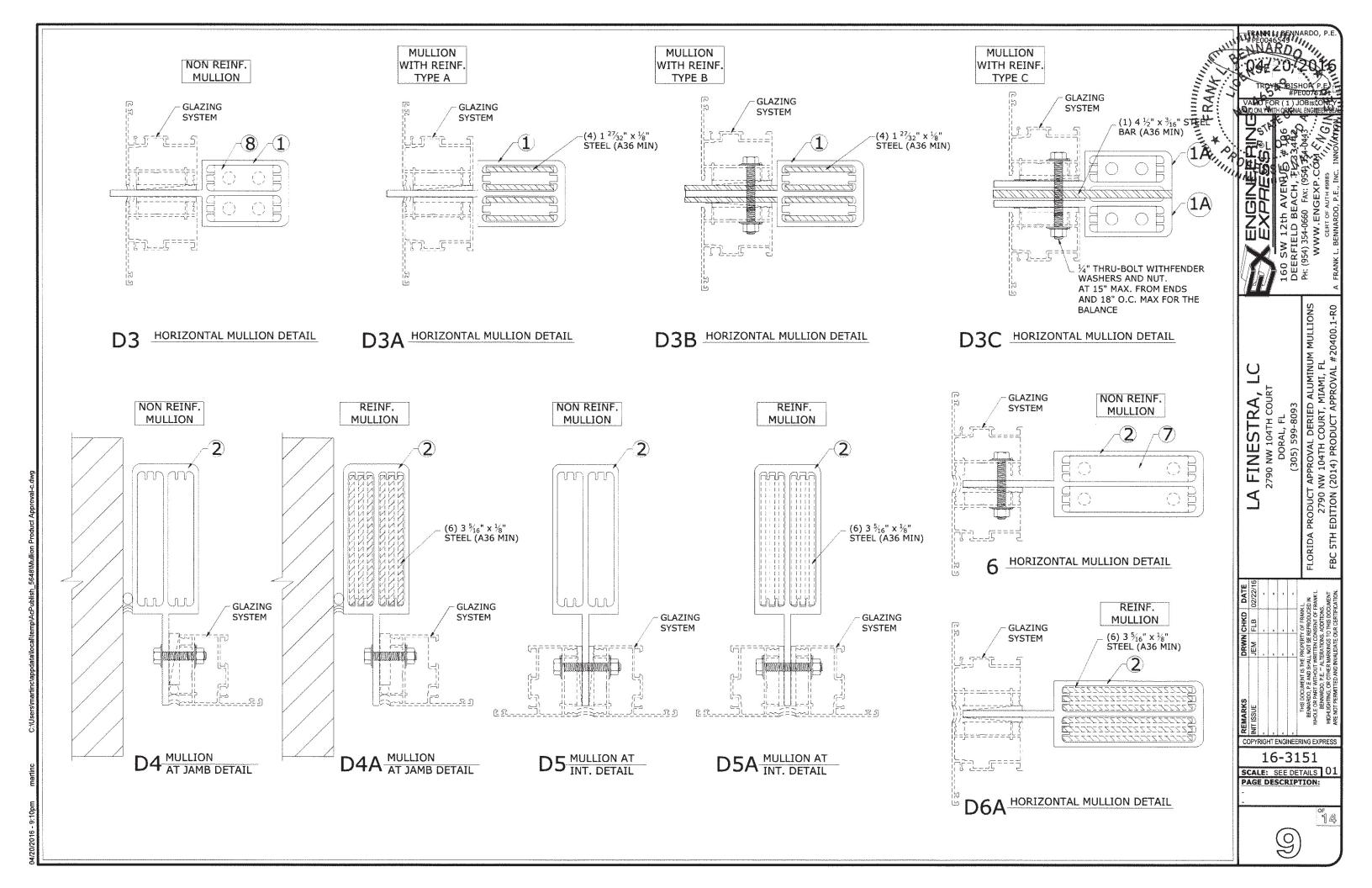
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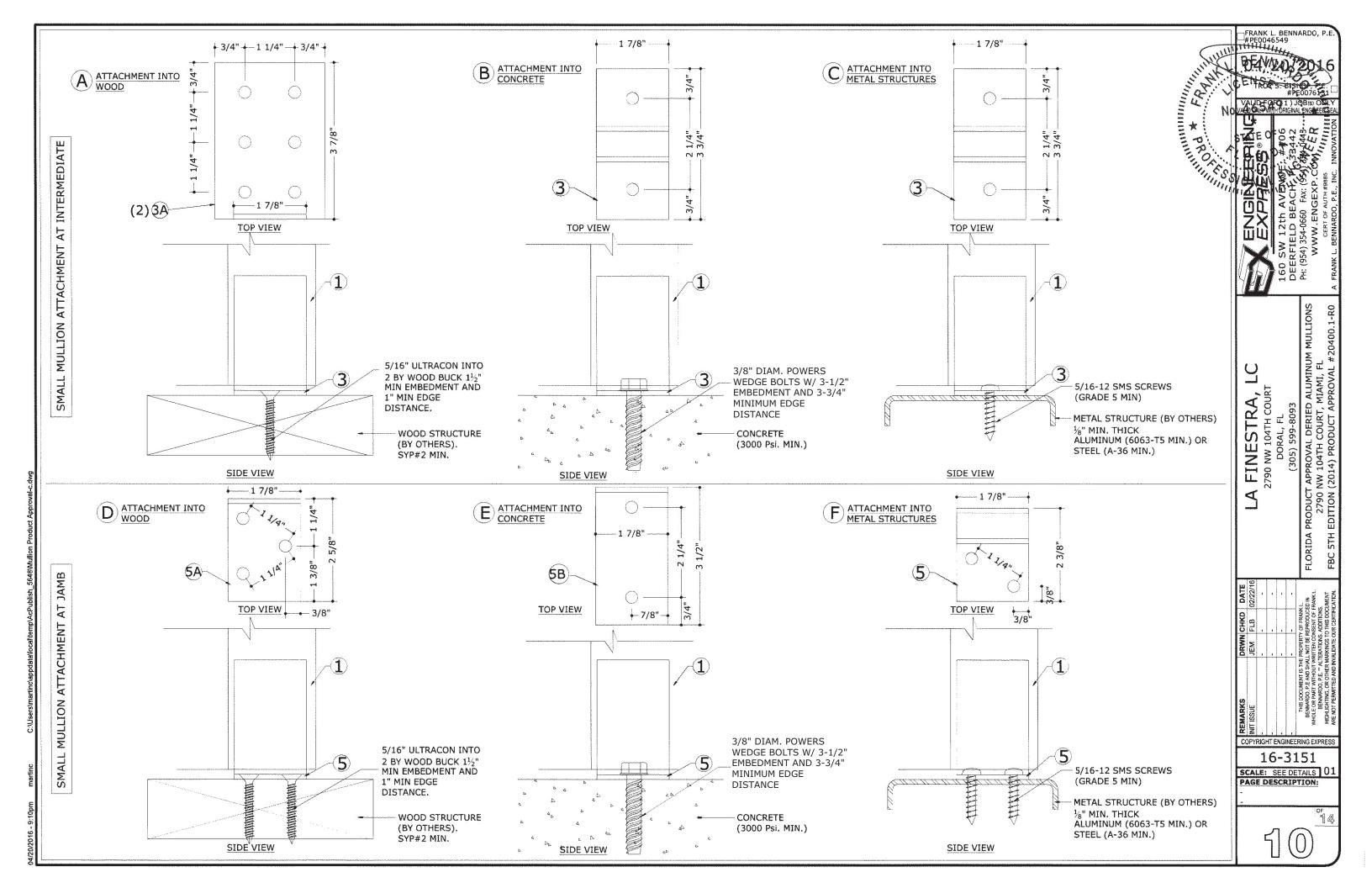
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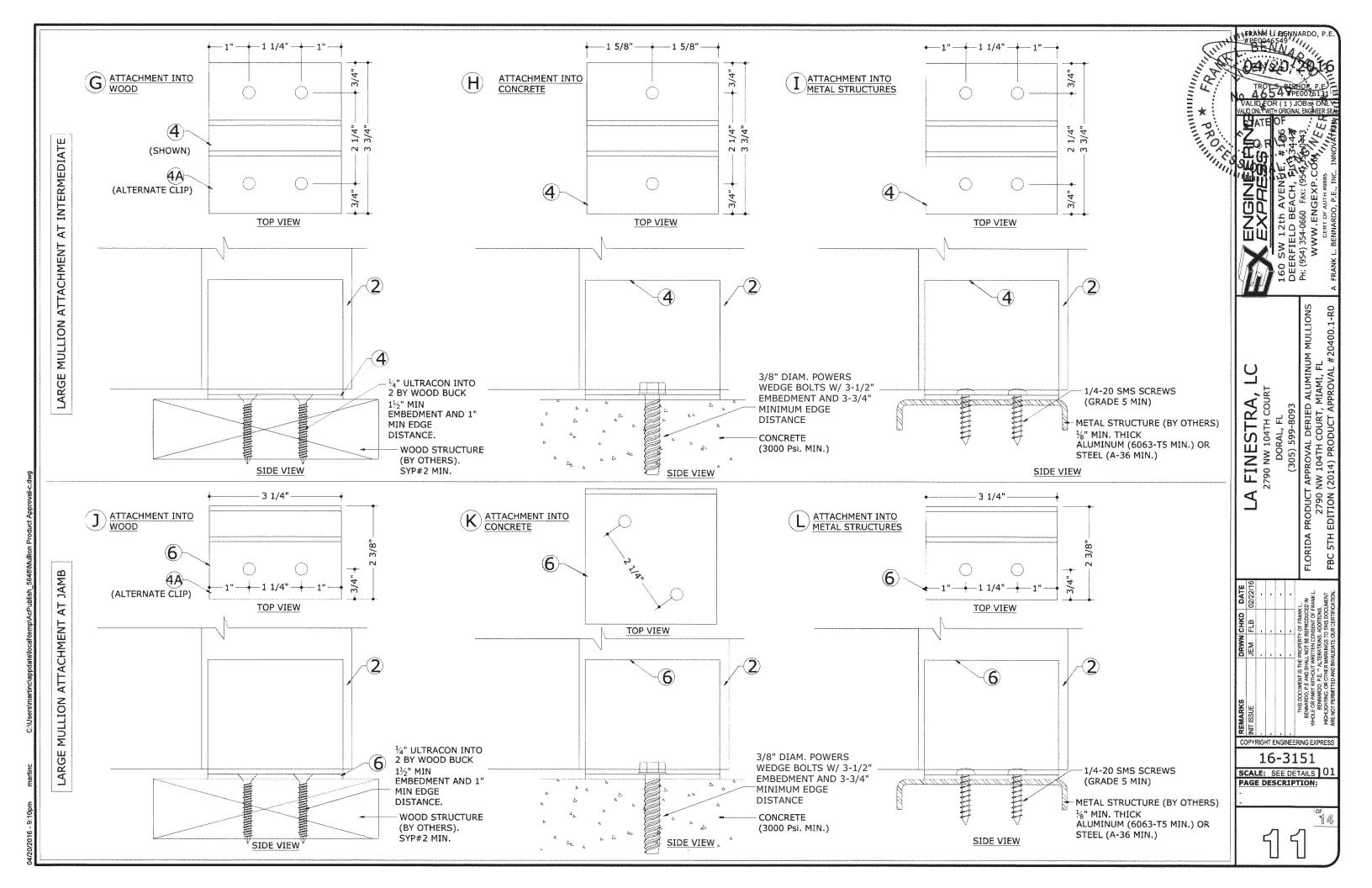
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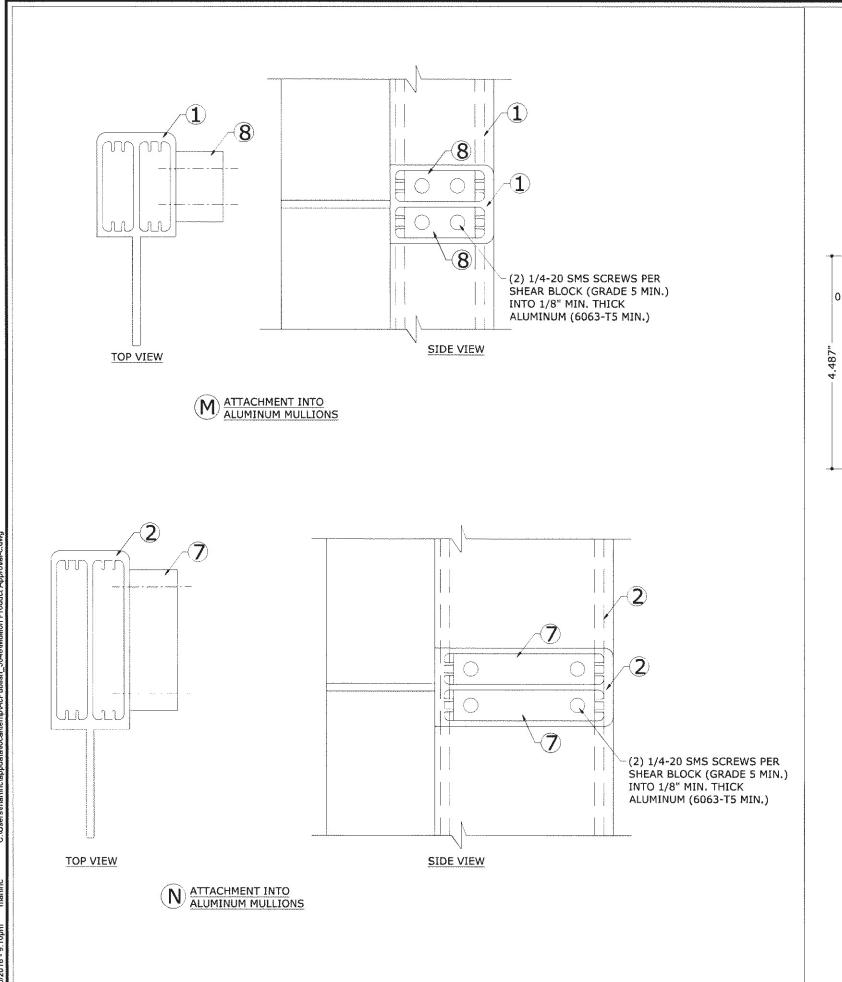
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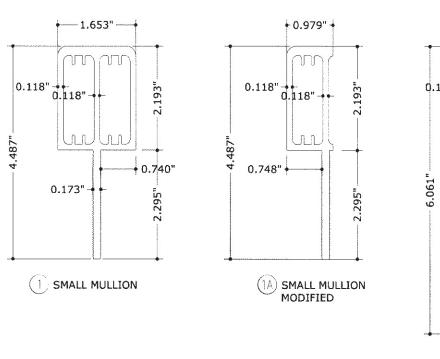


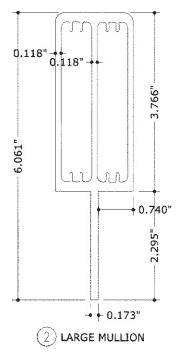












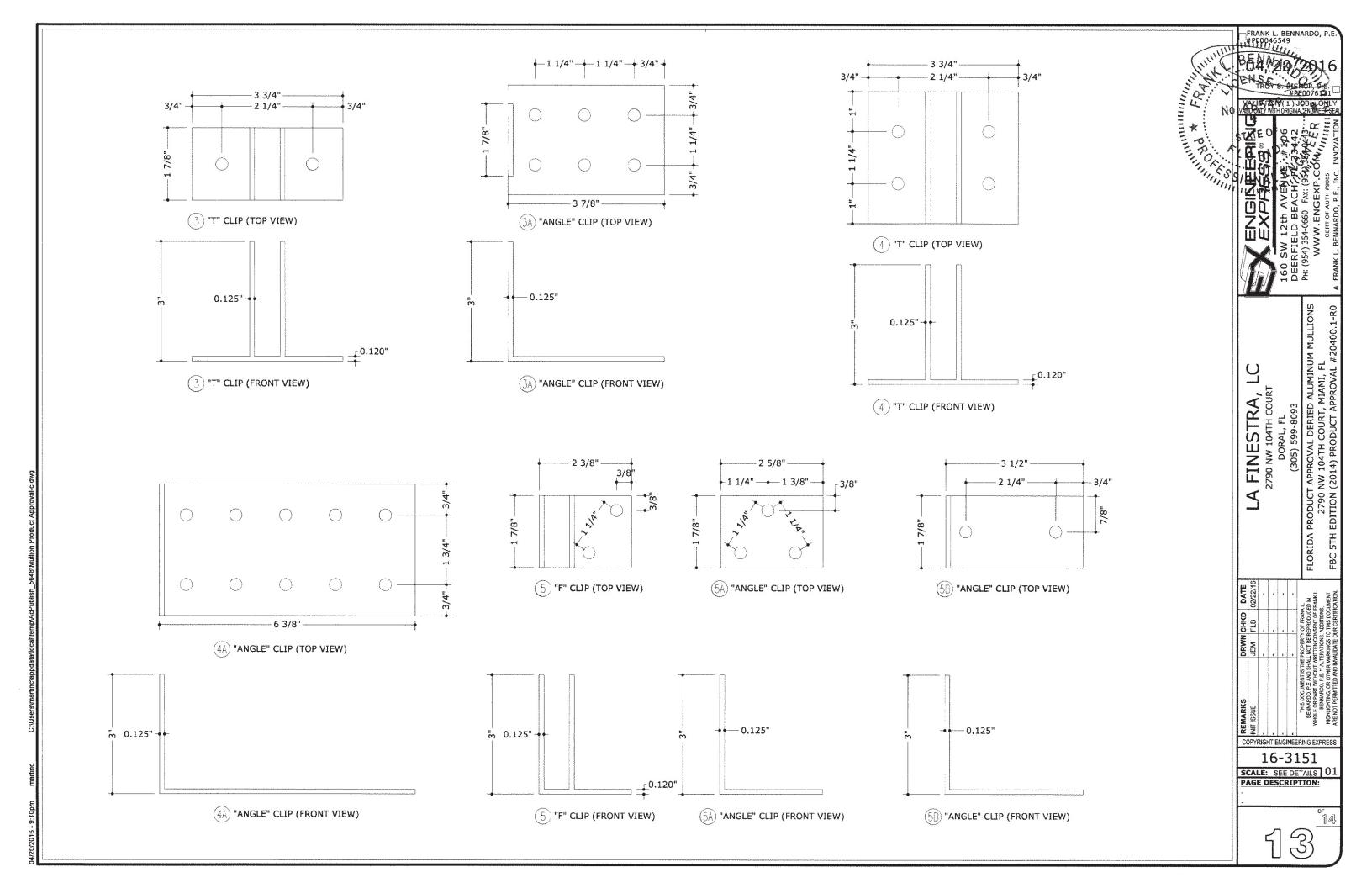


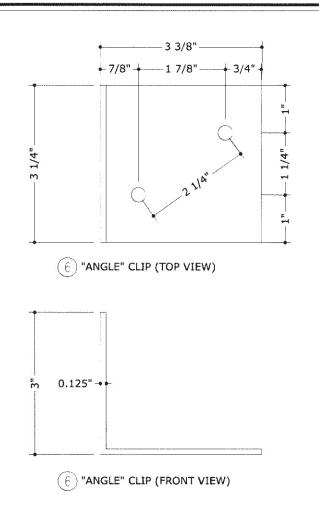
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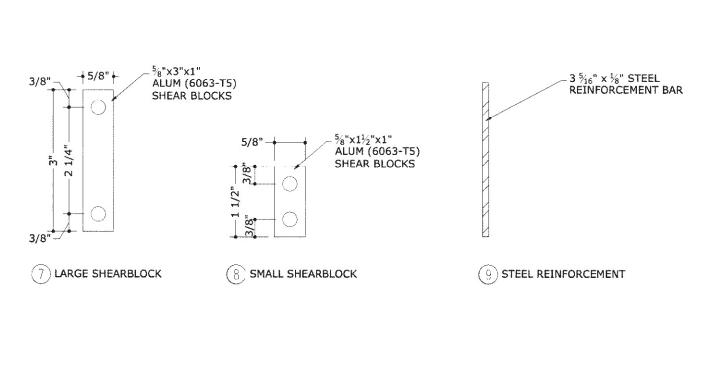
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	BILL OF MATERIALS								
ITEM	PART No.	QUANTITY	DESCRIPTION	MATERIAL	REMARKS				
0	27569	1	SMALL ALUMINUM MULLION	ALUV. A 6063-T6					
(A)	27569 MODIF:ED	1	SMALL ALUMINUM MULLION	ALUM. A 6063-T6					
2	27570	1	LARGE ALUMINUM MULLION	ALUM. AL. 6063-T6					
3	N/A	1	ALUMINUM "T" CLIP	ALUN. AL. 6063-T6	USED WITH SMALL ALUMINUM MULLION				
(3A)	N/A	1	ALUMINUM "ANGLE" CLIP	ALUM. AL. 6063-16	USED WITH SMALL ALUMINUM MULLION				
4)	14/A	1	ALUMINUM "T" CLIP	ALUN. AL. 6063-T6	USED WITH LARGE ALLUMINUM MULLION				
(A)	N/A	1	ALUMINUM "ANGLE" CLIP	ALUM. A 6063-T6	USED WITH LARGE ALUMINUM MULLION				
(5)	N/A	1	ALUMINUM "F" CLIP	ALUM. AL. 6063-T6	USED WITH SMALL ALUMINUM MULLION				
(SA)	N/A		ALUMINUM "ANGLE" CLIP	ALUM. AL. 6063-T6	USED WITH SMALL ALUMINUM MULLION				
63	N/A	1	ALUMINUM "ATIGLE" CLIP	ALUM. A. 6063-T6	USED WITH SMALL ALUMINUM MULLION				
6	N/A	1	ALUMINUM "ANGLE" CLIP	ALUV. A. 6063-T6	USED WITH LARGE ALUMINUM MULLION				
7	N/A	î	LARGE ALUMINUM SHEAR BLOCK	ALUM. AL. 6063 T5	USED WITH LARGE ALUMINUM MULLION				
(8)	N/A	1	SMALL ALUMINUM SHEAR BLOCK	ALUM. AL. 6063-T5	USED WITH SMALL ALUMINUM MULLION				
9	N/A	1	3 5/16" x 1/8" STEEL REINFORCEMENT BAR	A-36 STEEL MIN.	USED WITH LARGE ALUMINUM MULLION				
10	N/A	1	1 11/16" x 1/8" STEE_ REINFORCEMENT BAF	A-36 STEEL MIN.	USED WITH SMALL ALUMINUM MULLION				
				<u> </u>					



1 11/16" x 1/8" STEEL REINFORCEMENT BAR

(10) STEEL REINFORCEMENT