# **GENERAL NOTES: FLORIDA BUILDING CODE 2014**

1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE 5TH EDITION FLORIDA BUILDING CODE (2014) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2- DEFINITION: THIS PRODUCT IS A CASEMENT OUT TYPE WINDOW DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL. INSTALLATION OF HURRICANE PROTECTION DEVICES IS NOT REQUIRED.

3- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE WINDOW PRESSURE.

4- MATERIAL: GLAZING TO BE IMPACT LAMINATED GLASS AS SPECIFIED ON THIS APPROVAL.

5- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.

6- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:

6.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.

6.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.

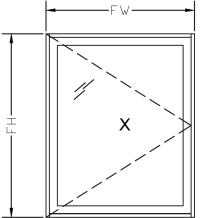
6.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

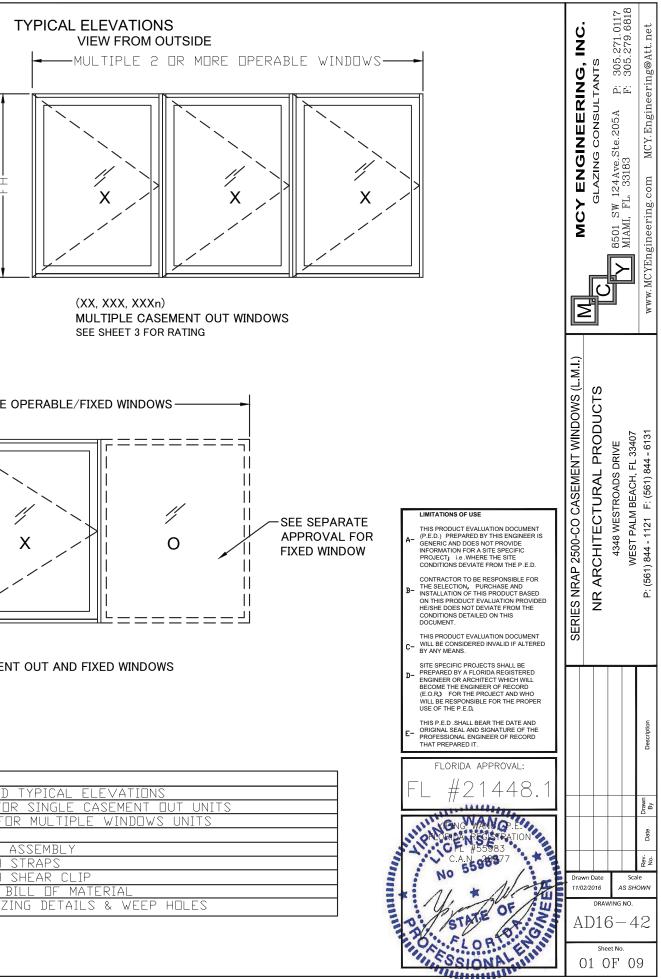
7- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

8- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL. THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 5TH EDITION FLORIDA BUILDING CODE (2014).

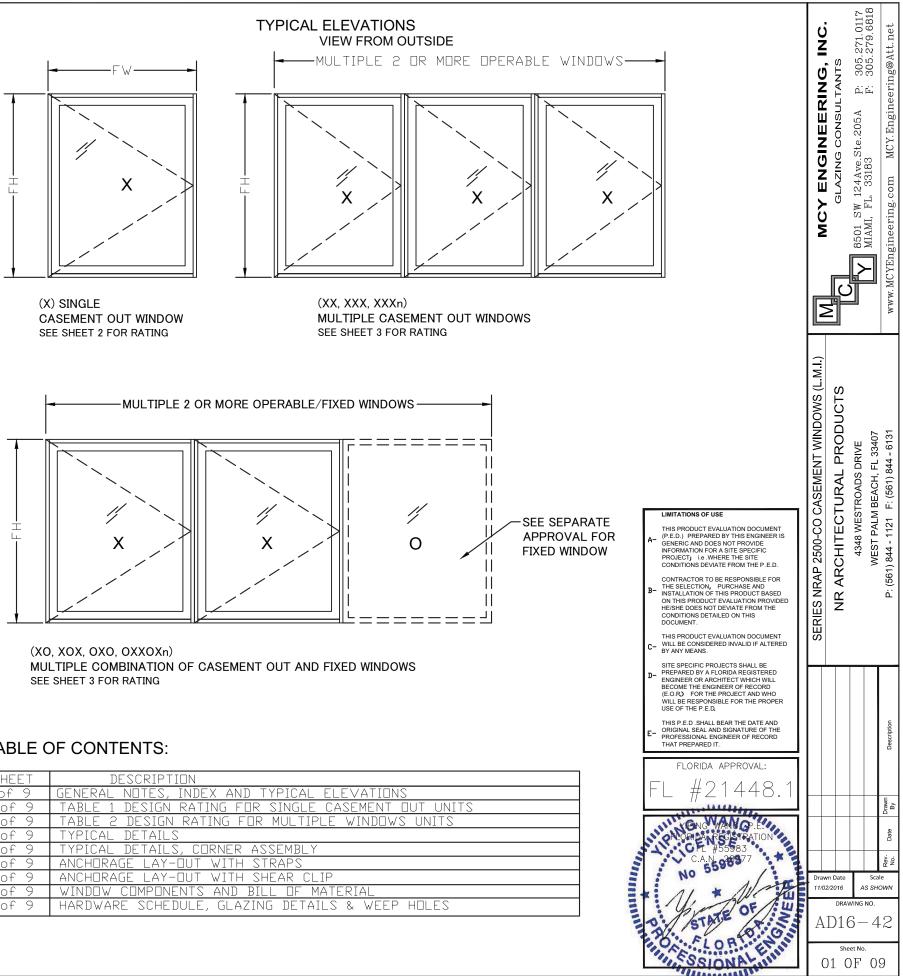
9- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE-7-10, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THE DOCUMENT ARE ALLOWABLE DESIGN LOADS.

FOR ALLOWABLE SIZES AND PRESSURES REFER TO: SHEETS 2 AND 3





(X) SINGLE SEE SHEET 2 FOR RATING



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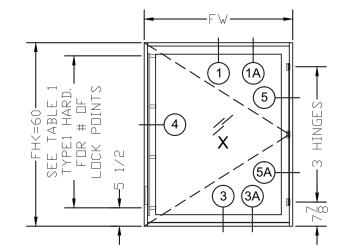
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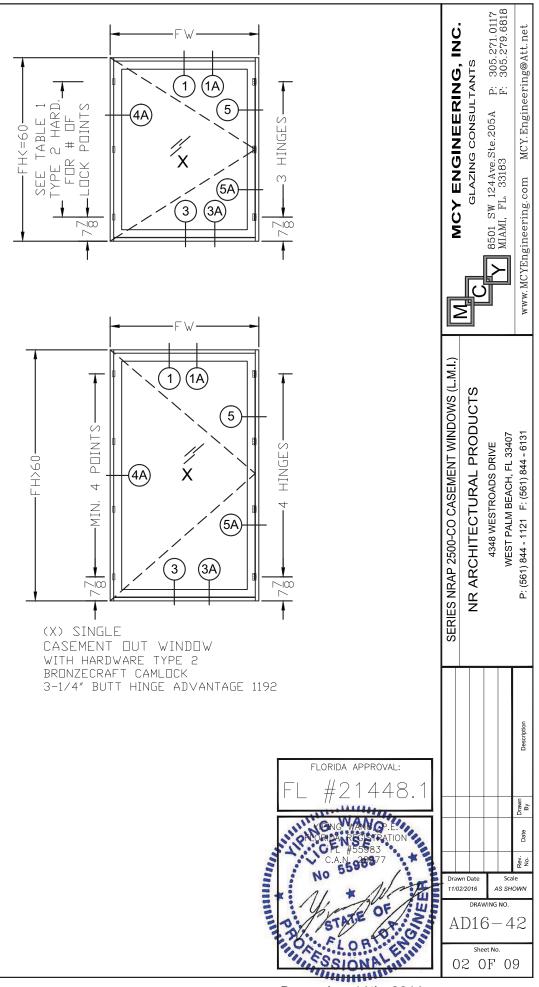
# TABLE 1 DESIGNED RATING FOR SINGLE CASEMENT OUT UNITS (PSF)

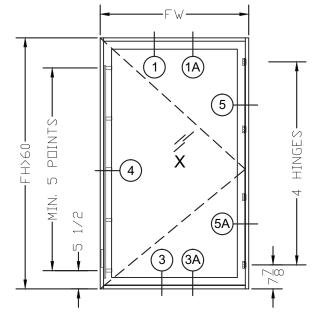
MAX. FW FRAME FH PRESSURES EXT (+) LOCK PDINTS PRESSURES EXT (+) LOCK FW PRESSURES EXT (+) LOCK EXT (+) PRESSURES EXT (+) LOCK FW   32 38 120 120 3 120 120 3   42 120 120 3 120 120 3   48 120 120 4 120 120 3   54 117 117 4 120 120 3   60 101 101 4 120 120 3   66 89 89 5 118 118 4   72 79 79 75 105 105 4   38.75 38 120 120 3 120 120 3   42 120 120 3 120 120 3 3   54 106 106 4 120 120 3 3   66	NTS
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60 90 90 4 120 120 3   66 78 78 5 86 86 4   72 69 69 5 78 78 4   44 38 105 105 3 105 105 3   42 101 101 3 101 101 3   48 101 101 4 92 92 3	
66 78 78 5 86 86 4   72 69 69 5 78 78 4   44 38 105 105 3 105 105 3   42 101 101 3 101 101 3   48 101 101 4 92 92 3	
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60 83 83 4 83 83 3	
66 73 73 5 75 75 4	
48.625 38 80 80 3 80 80 3	
42 77 77 3 77 77 3	
48 75 75 4 75 75 3	
54 75 75 4 75 75 3	
60 75 75 4 75 75 3	
54 38 50 50 3 50 50 3	
42 47 47 3 47 47 3	
48 45 45 4 45 45 3	
54 44 44 4 44 3	

FW- FRAME WIDTH IN INCHES FH- FRAME HEIGHT IN INCHES PRESSURES IN PSF

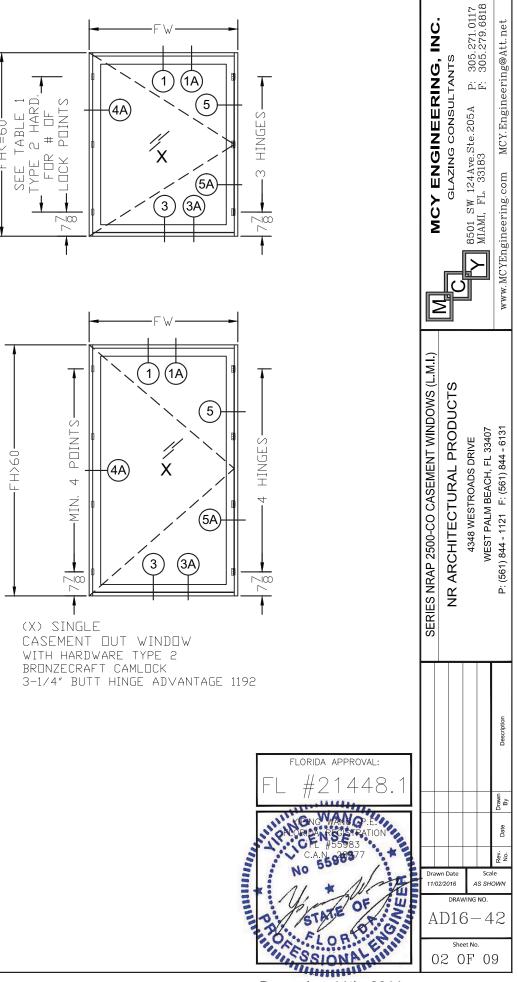
SEE ELEVATIONS ON THE RIGHT SIDE FOR HARDWARE TYPE DLD= FH-7.5" OR FW-7.5"







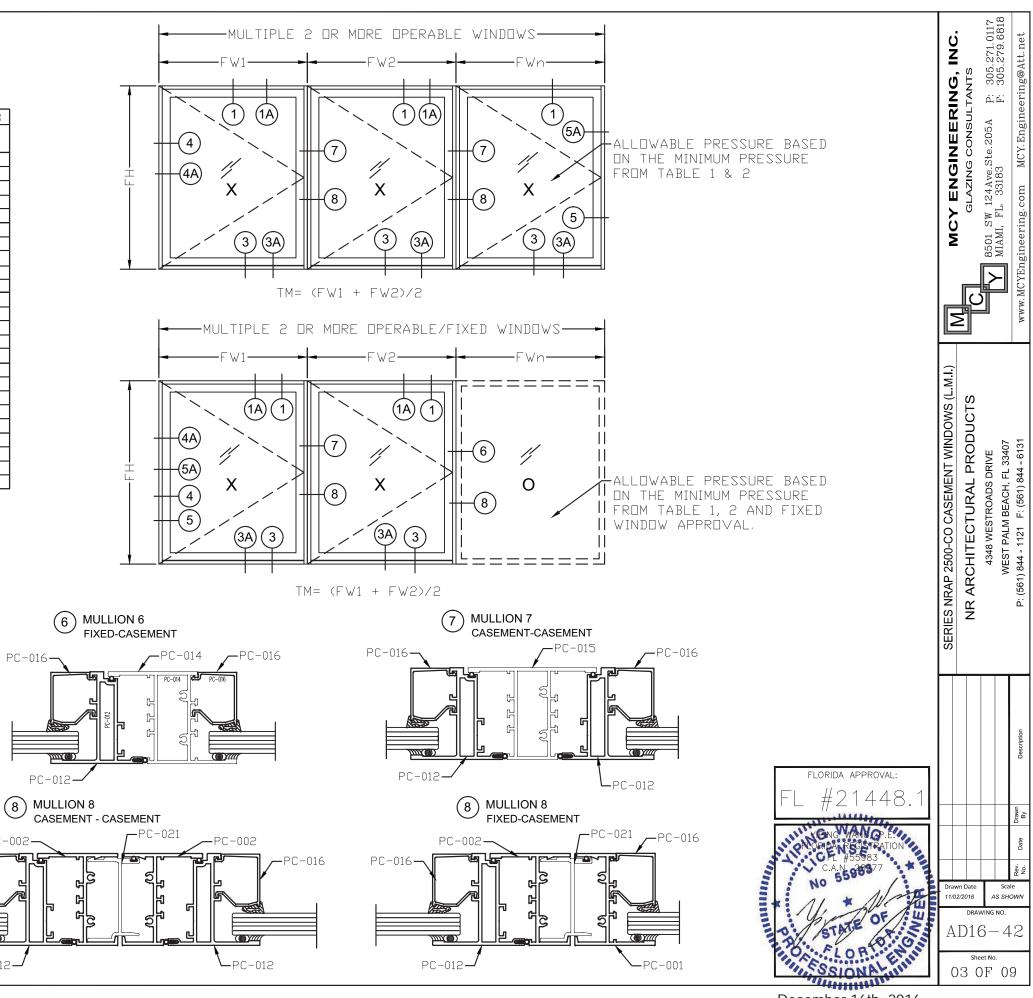
(X) SINGLE CASEMENT OUT WINDOW WITH HARDWARE TYPE 1 MULTIPOINT LOCK (ADVANTAGE OR ROTO) 3-1/4" BUTT HINGE ADVANTAGE 1192

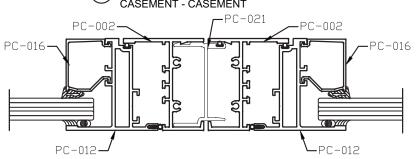


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# TABLE 2 DESIGNED RATING FOR MULLIONS ON MULTIPLE CASEMENT OR/AND FIXED UNITS (PSF)

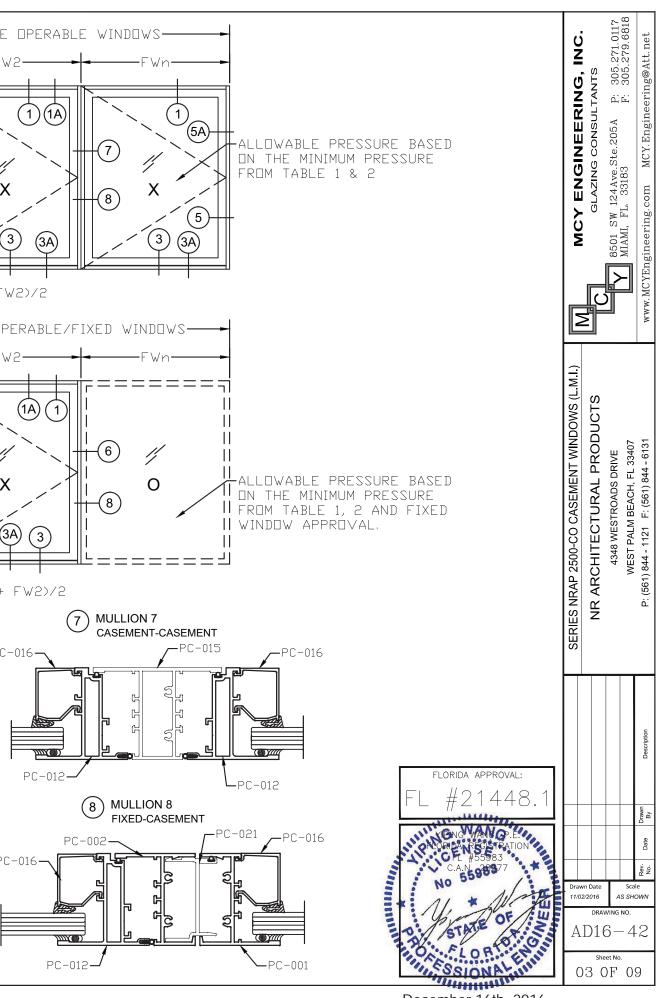
		MULL T	YPE 6	MULL TYPE 7		MULL TYPE 8	
TM	FH	EXT	INT	EXT	INT	EXT	INT
		(+)	(-)	(+)	(-)	(+)	(-)
32	38	120.0	120.0	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0	115.0	115.0
	54	120.0	120.0	116.5	116,5	97.0	97.0
	60	120.0	120.0	100.6	100,6	83.9	83,9
38.75	38	120.0	120.0	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0	106.0	106.0
	54	120.0	120.0	105.6	105.6	88.0	88.0
	60	120.0	120.0	90.0	90.0	75.0	75.0
44	38	120.0	120.0	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0	103.0	103.0
	54	120.0	120.0	100.6	100,6	83.9	83,9
	60	111.2	111.2	83.4	83.4	75.0	75.0
48.625	38	120.0	120.0	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0	102.0	102.0
	54	120.0	120.0	98.1	98.1	81.8	81.8
	60	105.4	105.4	79.1	79.1	75.0	75.0
54	38	120.0	120.0	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0	102.0	102.0
	54	120.0	120.0	97.2	97.2	81.0	81.0





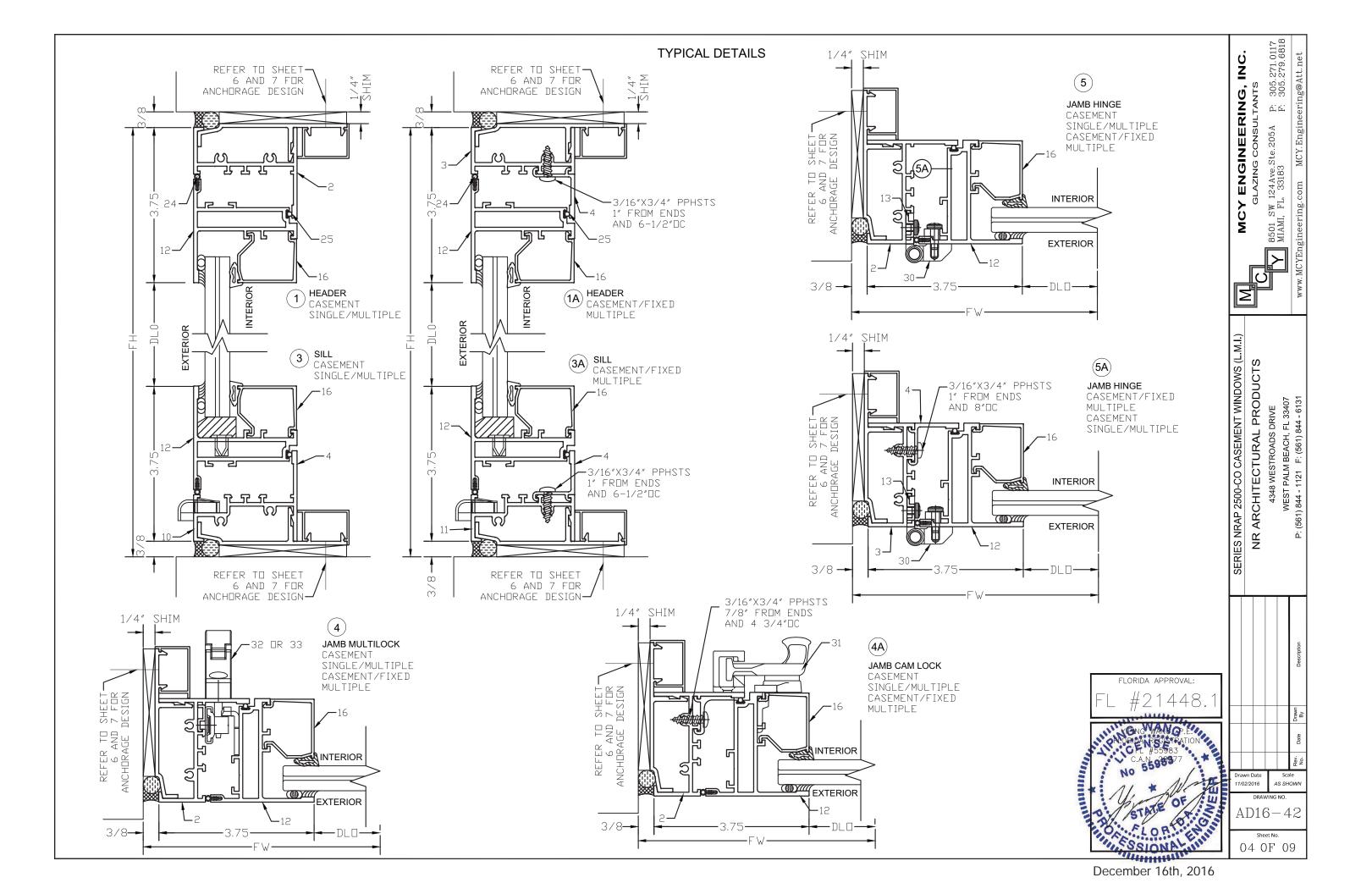
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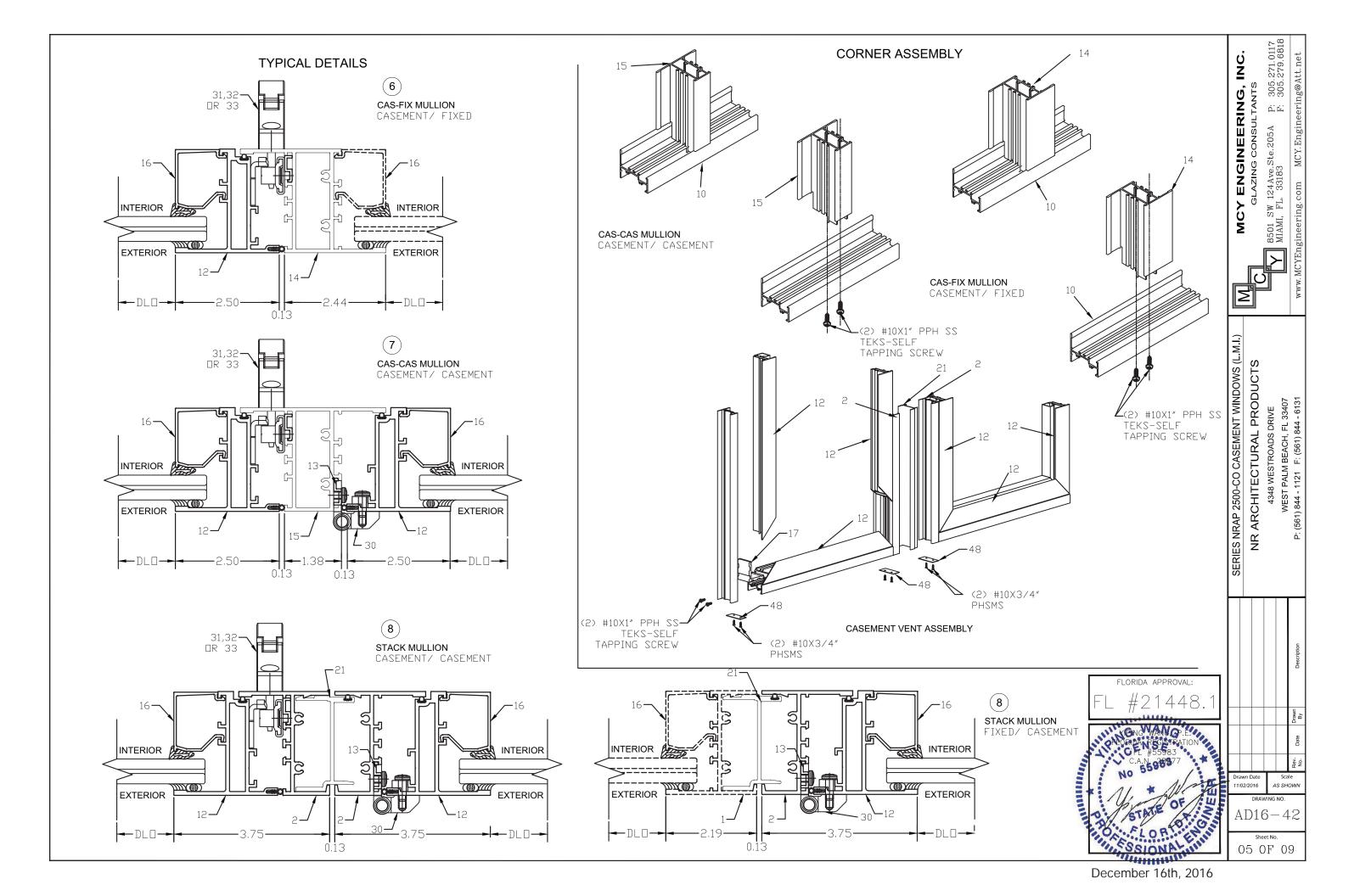


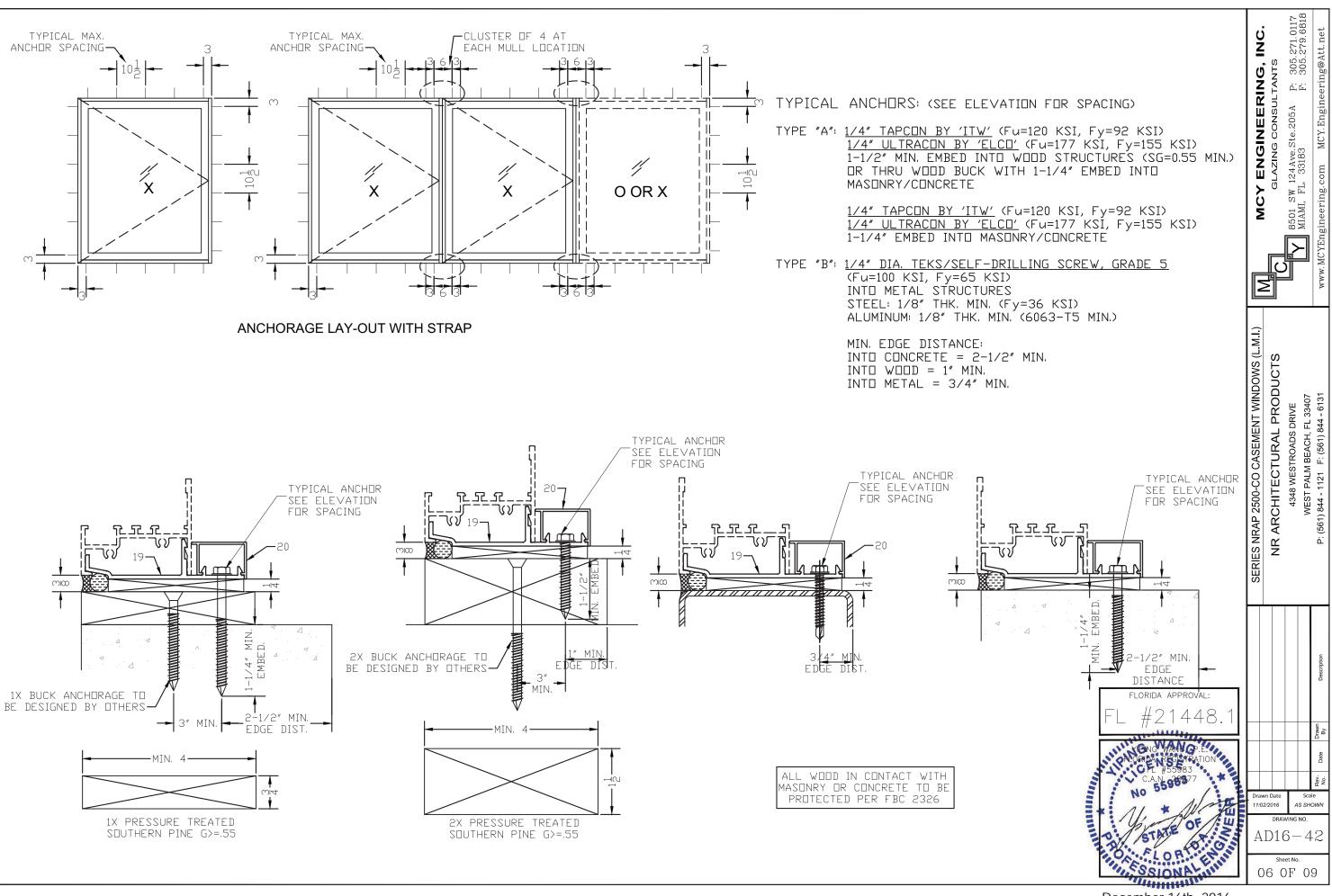


TW- MAXIMUM TRIBUTARY MODULE WIDTH IN INCHES FH- MAXIMUM FINISHED HEIGHT IN INCHES PRESSURES IN PSF DLO= FH-7.5" OR FW-7.5"

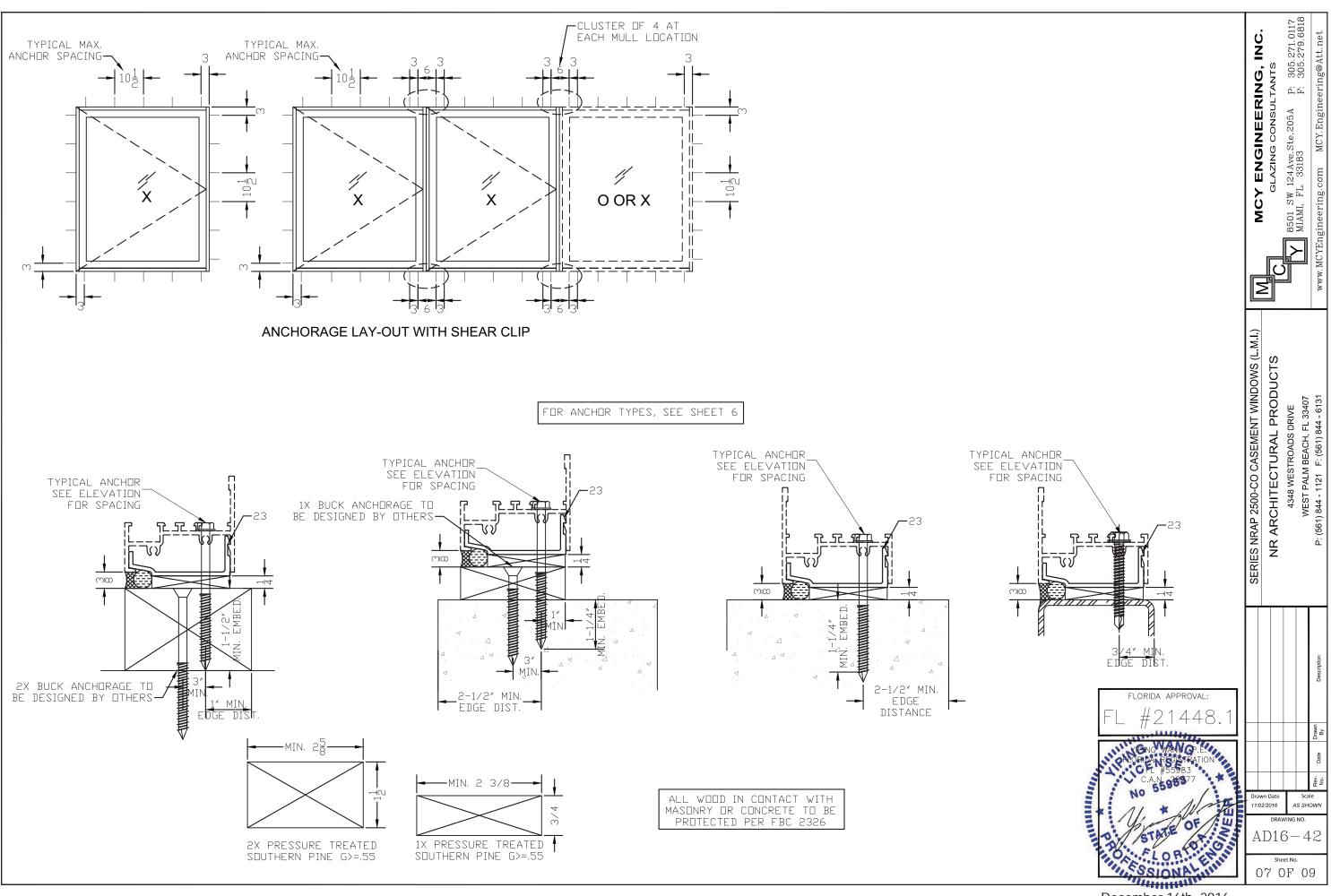
December 16th, 2016



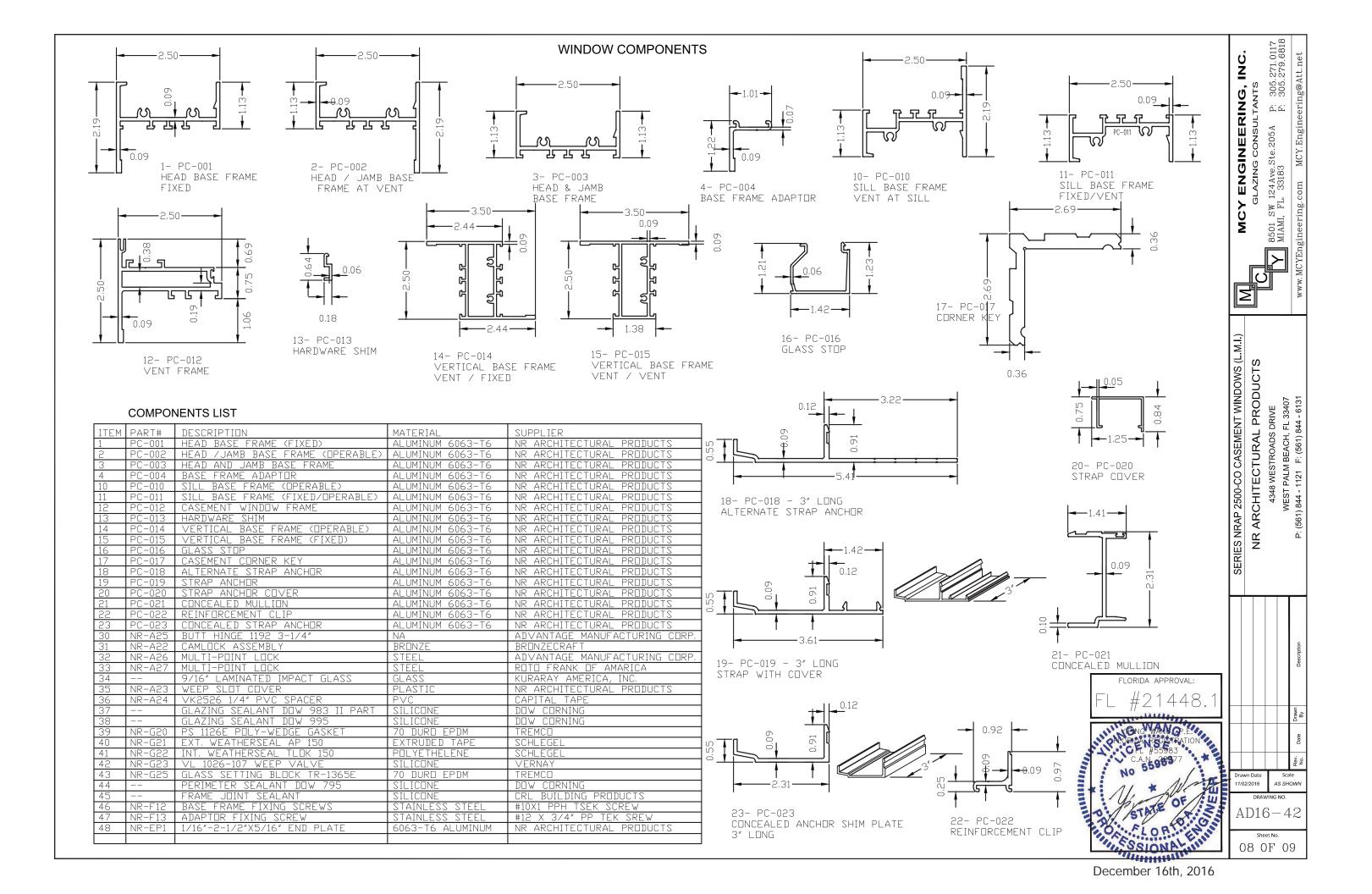


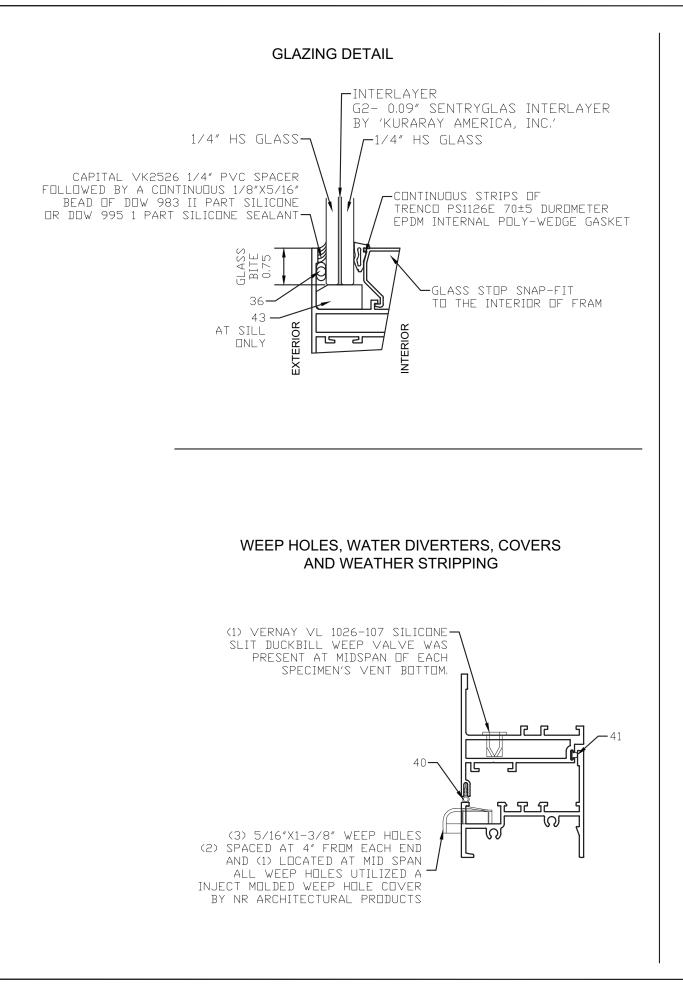


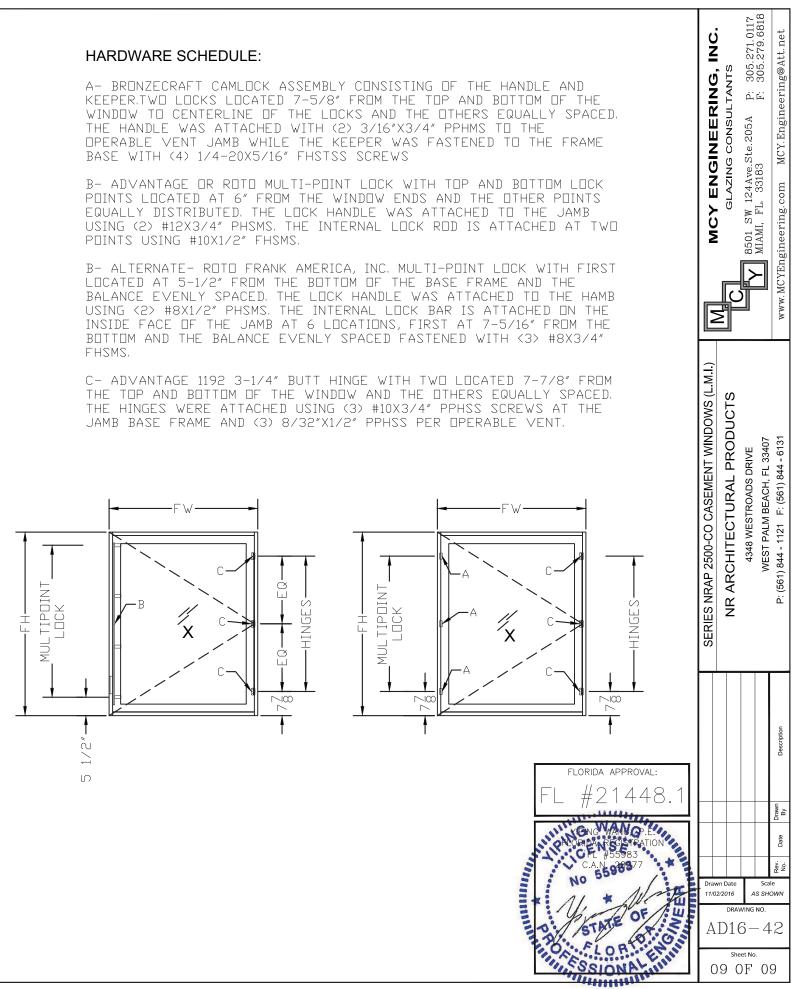
December 16th, 2016



December 16th, 2016







December 16th, 2016

# GENERAL NOTES: FLORIDA BUILDING CODE

1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE 5TH EDITION FLORIDA BUILDING CODE (2014) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2- DEFINITION: THIS PRODUCT IS A CASEMENT OUT TYPE WINDOW DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (SMALL MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL. INSTALLATION BELOW 30 FEET ELEVATION IT WILL REQUIRE APPROVED HURRICANE PROTECTION DEVICES.

3- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE WINDOW PRESSURE.

4- MATERIAL: GLAZING TO BE IMPACT LAMINATED GLASS AS SPECIFIED ON THIS APPROVAL.

5- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.

6- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING: 6.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT

IS TO BE ATTACHED INSURING PROPER ANCHORAGE

6.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.

6.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

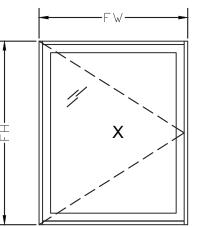
7- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

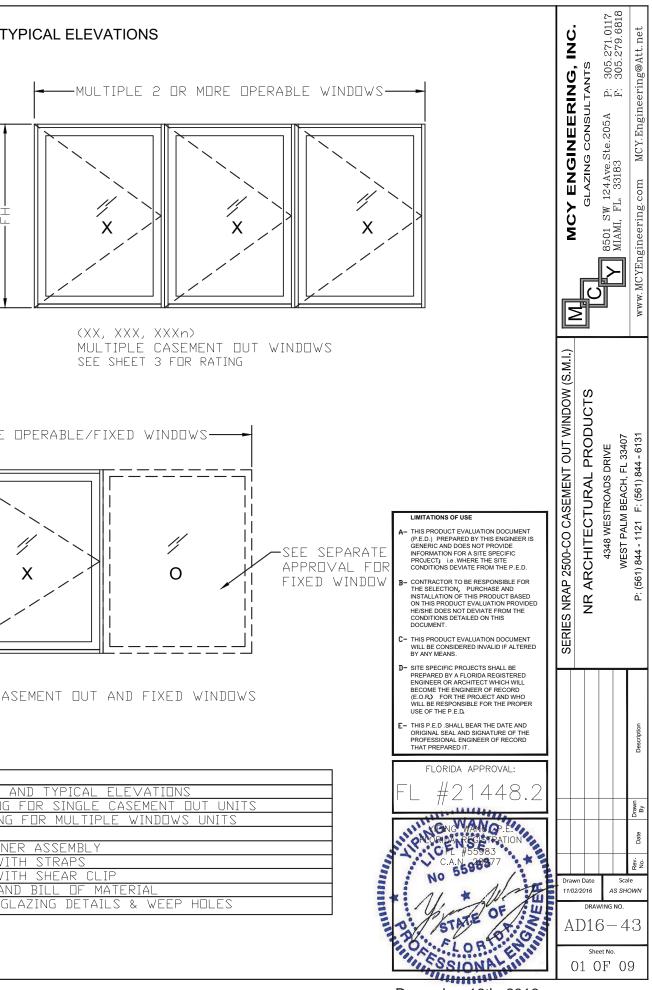
8- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 5TH EDITION FLORIDA BUILDING CODE (2014).

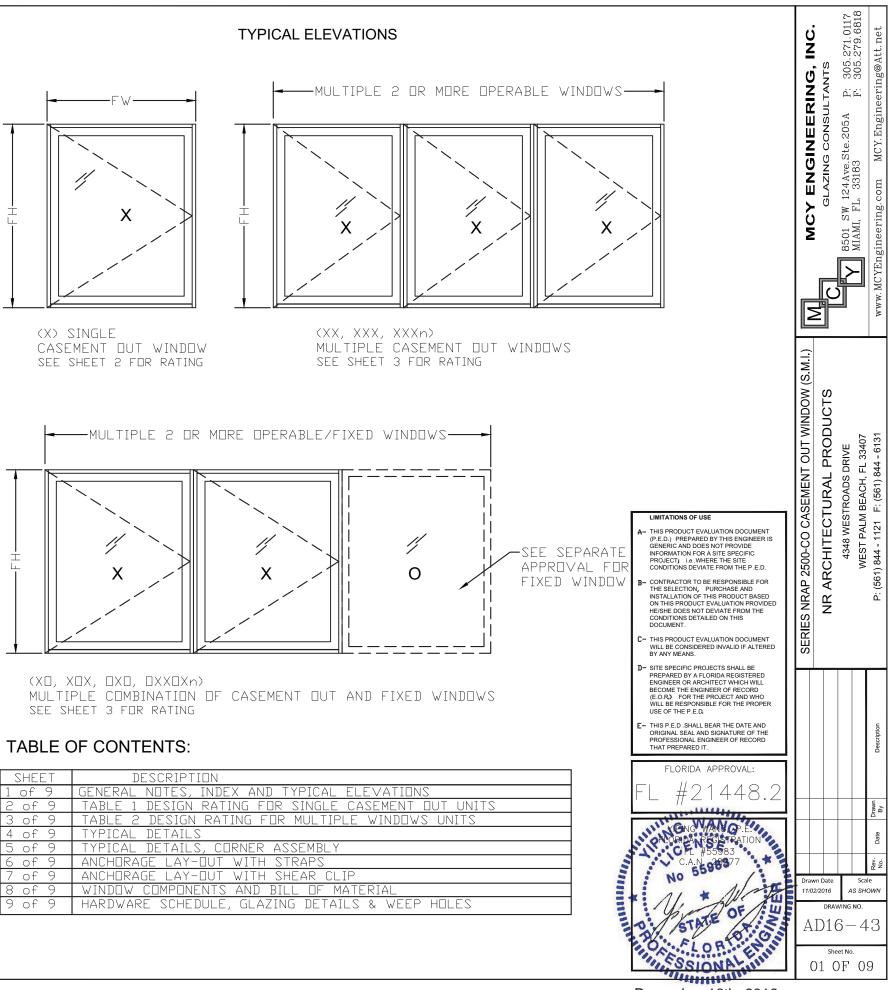
9- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE-7-10, MULTIPLY BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THE DOCUMENT ARE ALLOWABLE DESIGN LOADS.

FOR ALLOWABLE SIZES AND PRESSURES REFER TO: SHEETS 2 AND 3

PRODUCT NOT TO BE INSTALLED BELOW 30 FEET ELEVATION WITHOUT HURRICANE PROTECTION DEVICES







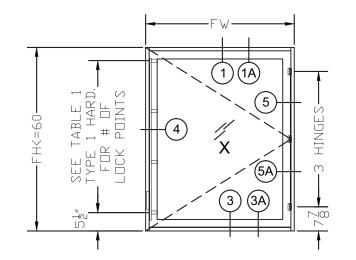
SHEET	DESCRIPTION
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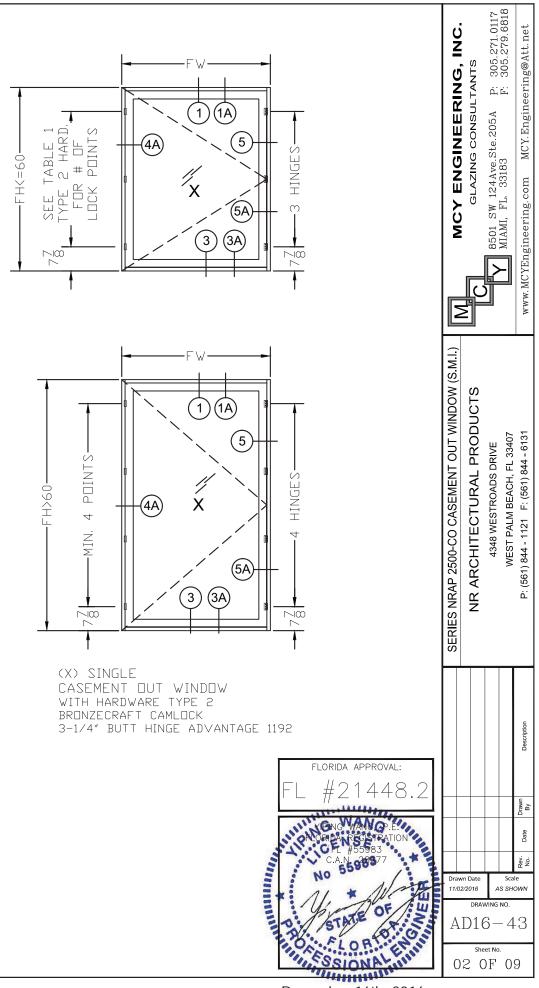
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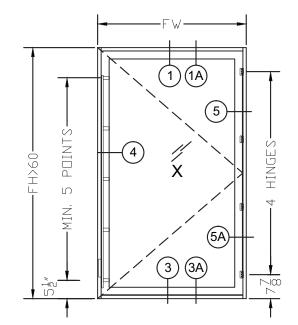
# TABLE 1 DESIGNED RATING FOR SINGLE CASEMENT OUT UNITS (PSF)

		HARDWARE T		YPE 1	HARDWARE		TYPE 2
MAX.	FRAME	PRESS	URES	LOCK	PRESSURES		LOCK
FW	FH	EXT	INT	PDINTS	EXT	INT	PDINTS
		(+)	(-)		(+)	(-)	
32	38	120	120	3	120	120	3
	42	120	120	3	120	120	3
	48	120	120	4	120	120	3
	54	117	117	4	120	120	3
	60	101	101	4	120	120	3
	66	89	89	5	118	118	4
	72	79	79	5	105	105	4
38.75	38	120	120	3	120	120	3
	42	120	120	3	120	120	3
	48	120	120	4	120	120	3
	54	106	106	4	120	120	3
	60	90	90	4	120	120	3
	66	78	78	5	86	86	4
	72	69	69	5	78	78	4
44	38	105	105	3	105	105	3
	42	101	101	3	101	101	3
	48	101	101	4	101	101	3
	54	92	92	4	92	92	3
	60	83	83	4	83	83	3
	66	73	73	5	75	75	4
48,625	38	80	80	3	80	80	3
	42	77	77	3	77	77	3
	48	75	75	4	75	75	3
	54	75	75	4	75	75	3
	60	75	75	4	75	75	3
54	38	50	50	3	50	50	3
	42	47	47	3	47	47	3
	48	45	45	4	45	45	3
	54	44	44	4	44	44	3

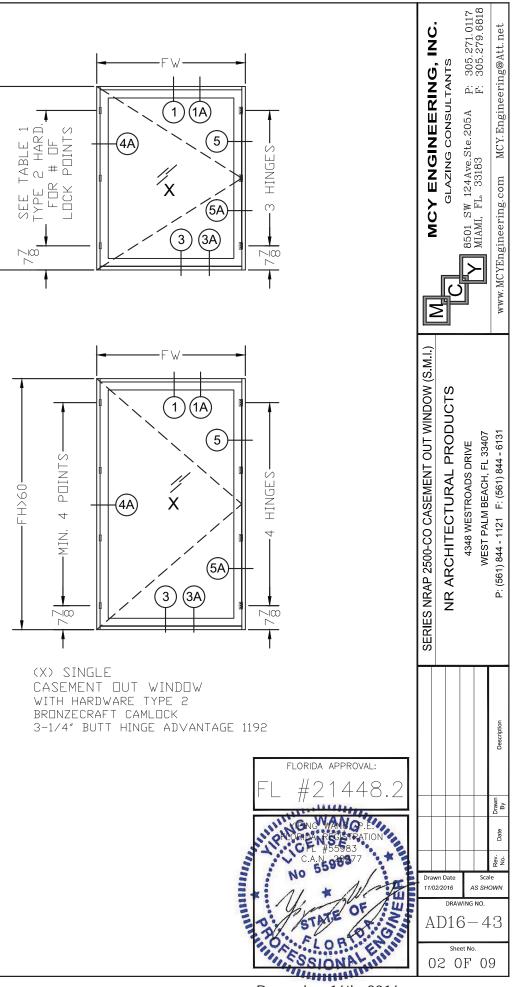
FW- FRAME WIDTH IN INCHES FH- FRAME HEIGHT IN INCHES PRESSURES IN PSF SEE ELEVATIONS ON THE RIGHT SIDE FOR HARDWARE TYPE DLD= FH-7.5" OR FW-7.5"







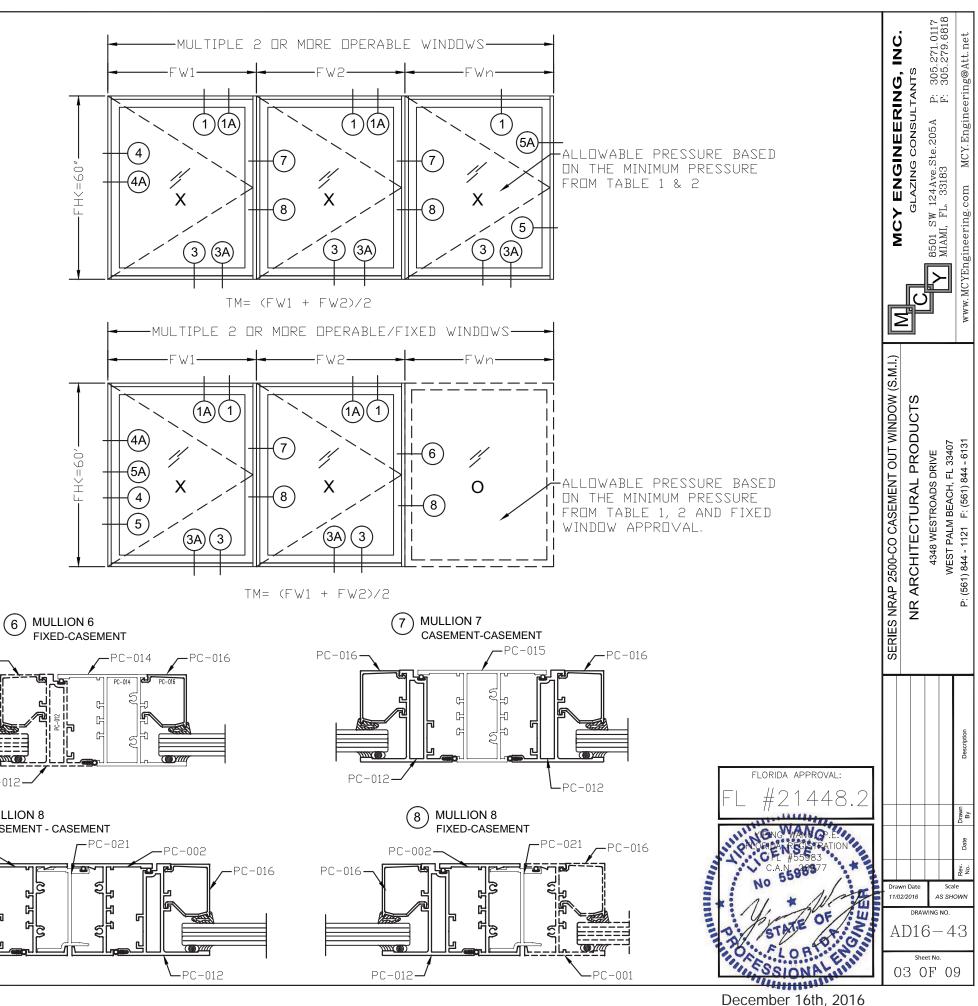
(X) SINGLE CASEMENT DUT WINDOW WITH HARDWARE TYPE 1 MULTIPDINT LOCK (ADVANTAGE OR ROTO) 3-1/4" BUTT HINGE ADVANTAGE 1192

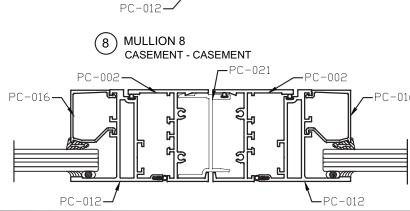


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# TABLE 2 DESIGNED RATING FOR MULLIONS ON MULTIPLE CASEMENT OR/AND FIXED UNITS (PSF)

		MULL T	YPE 6	MULL T	YPE 7	MULL -	FYPE 8
ТМ	FH	EXT	INT	EXT	INT	EXT	INT
		(+)	(-)	(+)	(-)	(+)	(-)
32	38	120.0	120.0	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0	115.0	115.0
	54	120.0	120.0	116.5	116.5	97.0	97.0
	60	120.0	120.0	100.6	100.6	83,9	83,9
38.75	38	120.0	120.0	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0	106.0	106.0
	54	120.0	120.0	105,6	105.6	88.0	88,0
	60	120.0	120.0	90.0	90.0	75,0	75.0
44	38	120.0	120.0	120.0	120.0	120.0	120.0
	42	120,0	120.0	120,0	120.0	120,0	120,0
	48	120.0	120.0	120.0	120.0	103.0	103.0
	54	120,0	120.0	100.6	100,6	83,9	83,9
	60	111.2	111,2	83,4	83.4	75.0	75,0
48.625	38	120,0	120.0	120,0	120.0	120,0	120.0
	42	120.0	120.0	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0	102.0	102.0
	54	120,0	120.0	98,1	98.1	81.8	81.8
	60	105.4	105.4	79.1	79.1	75.0	75.0
54	38	120.0	120.0	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0	102.0	102.0
	54	120.0	120.0	97.2	97.2	81.0	81.0



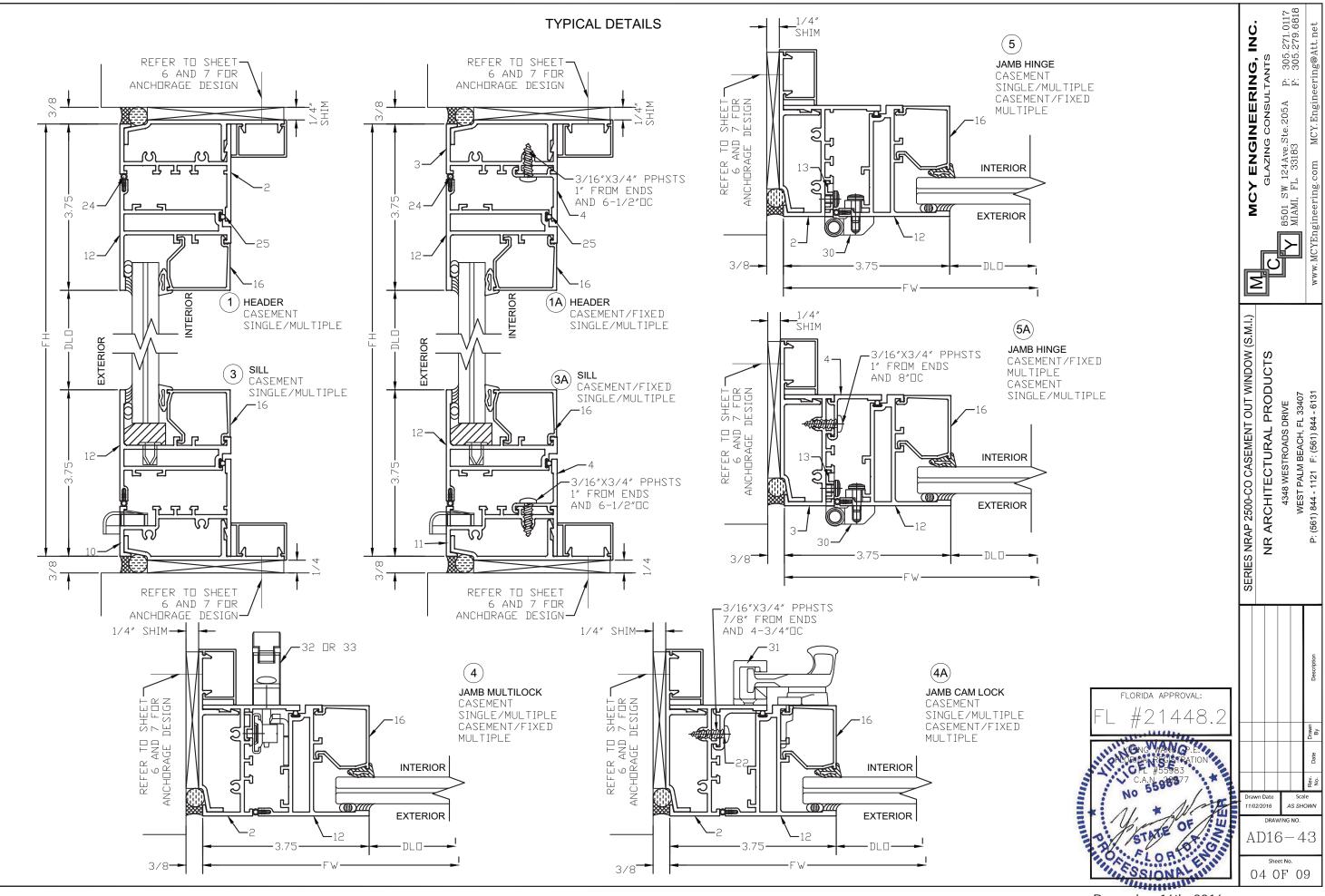


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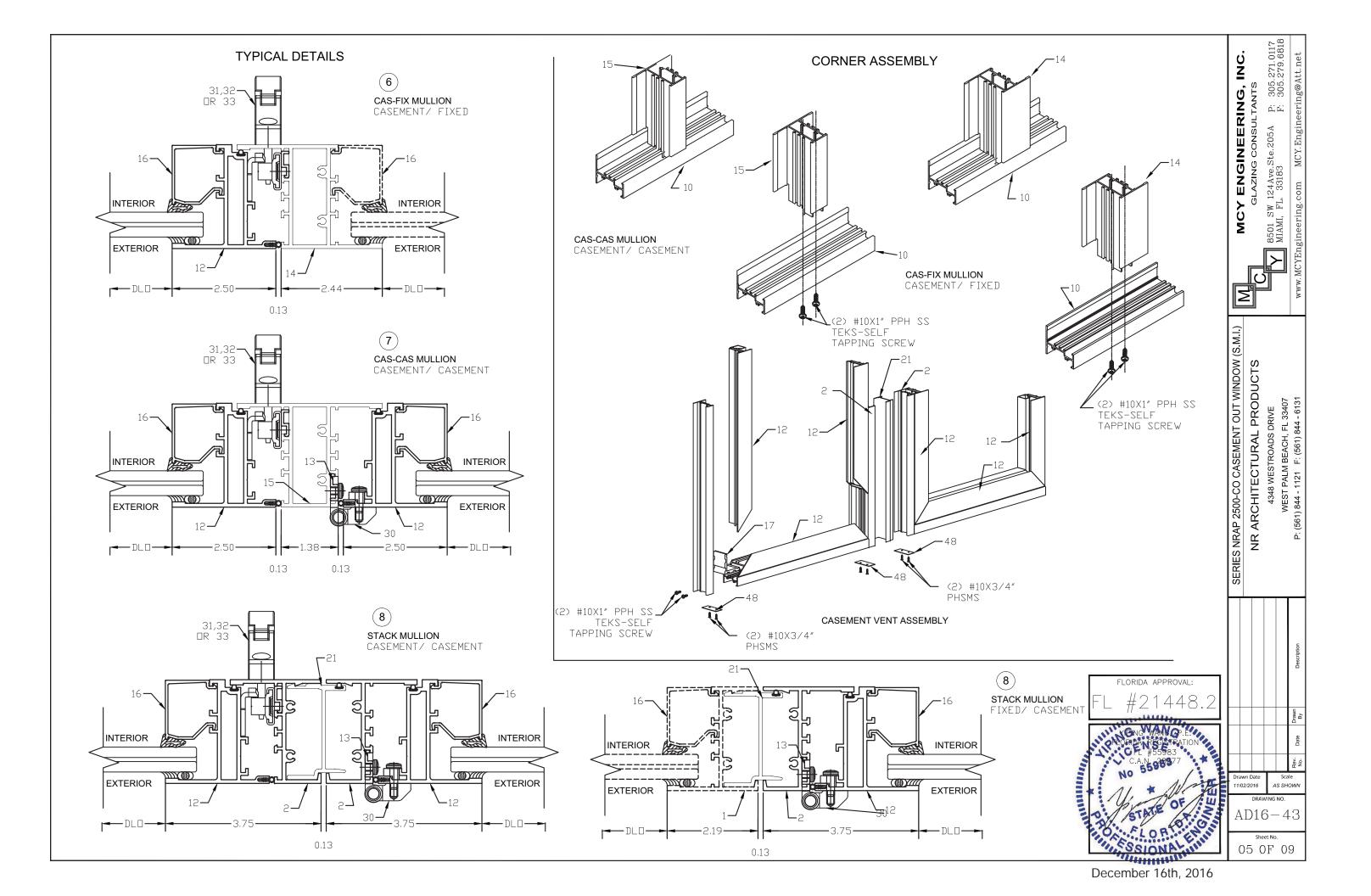
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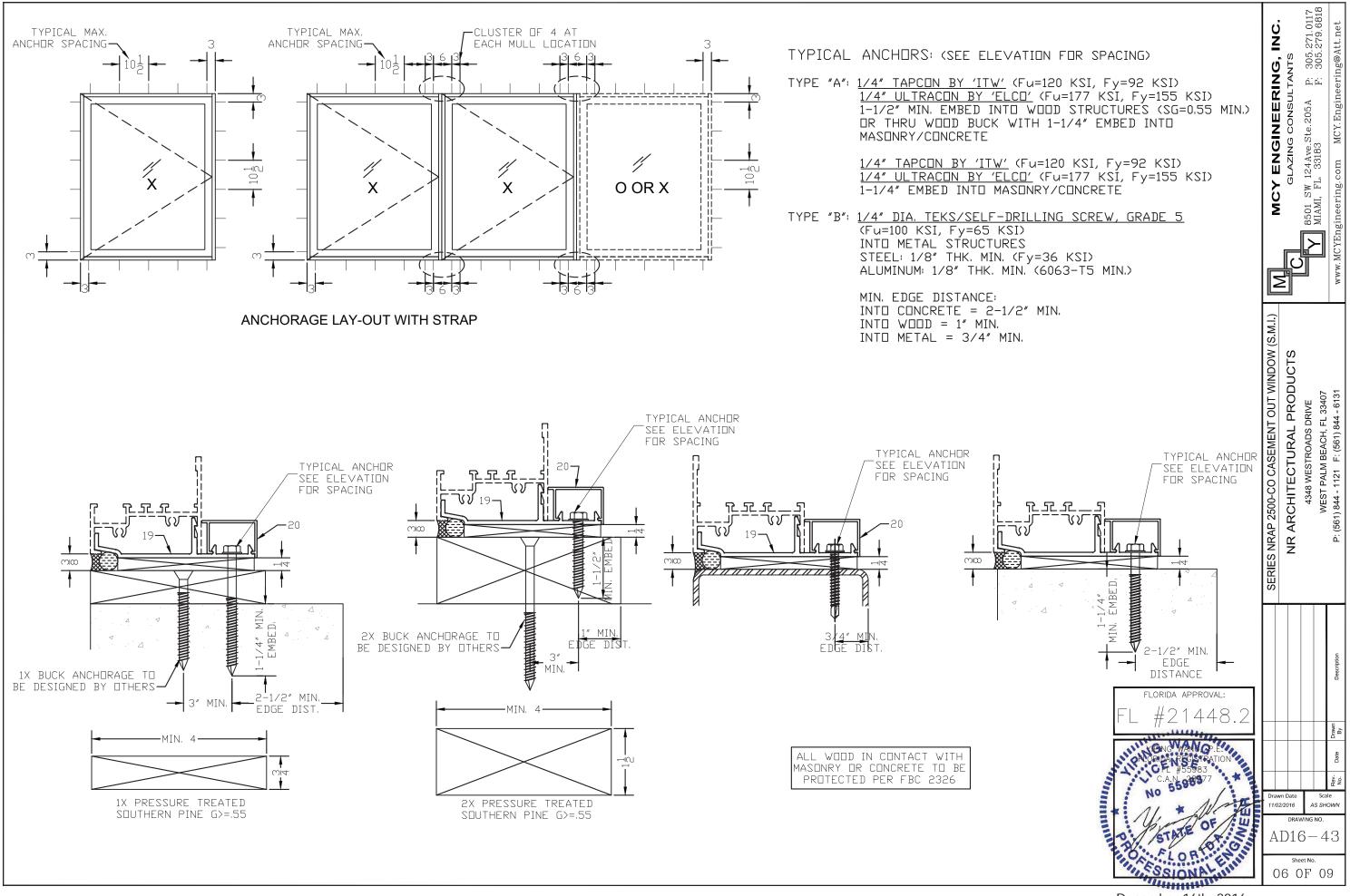


TW- MAXIMUM TRIBUTARY MODULE WIDTH IN INCHES FH- MAXIMUM FINISHED HEIGHT IN INCHES PRESSURES IN PSF DLO= FH-7.5" OR FW-7.5"

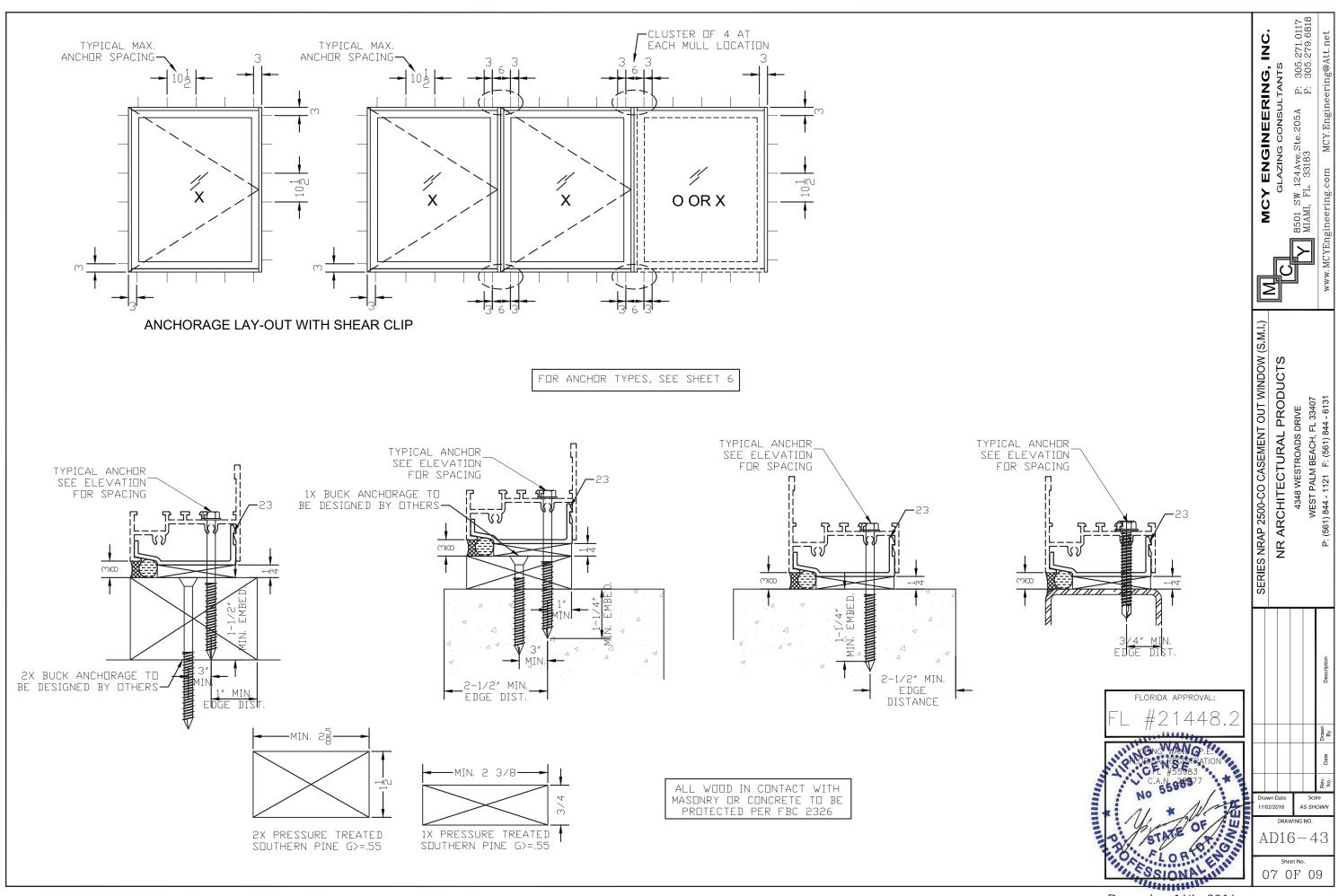


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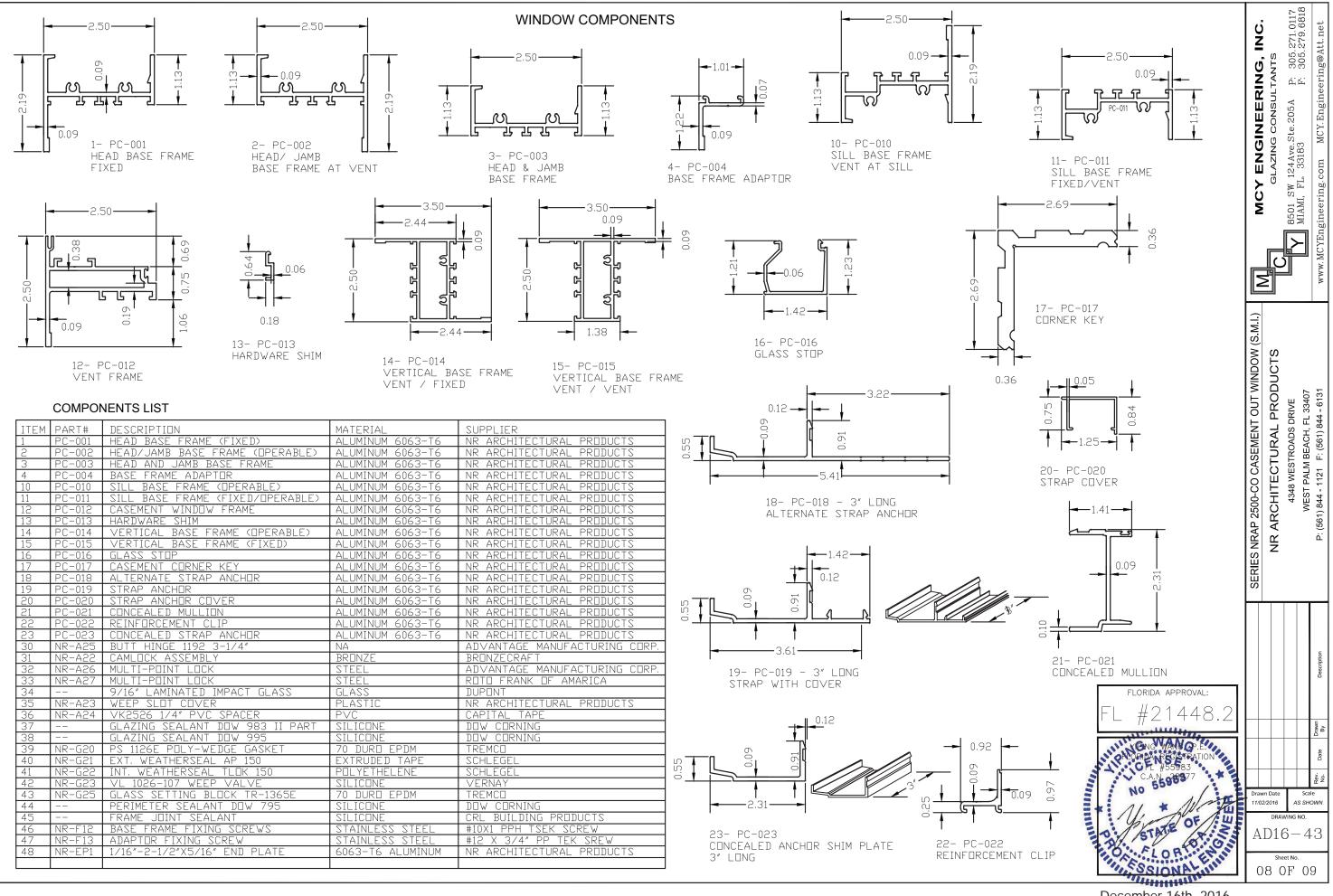




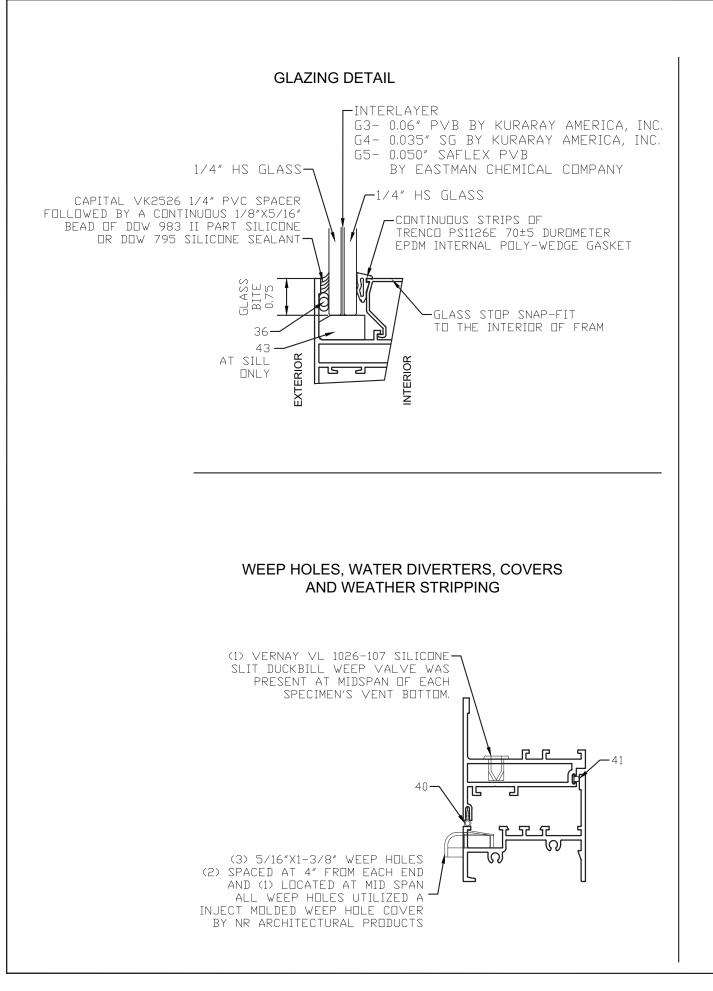
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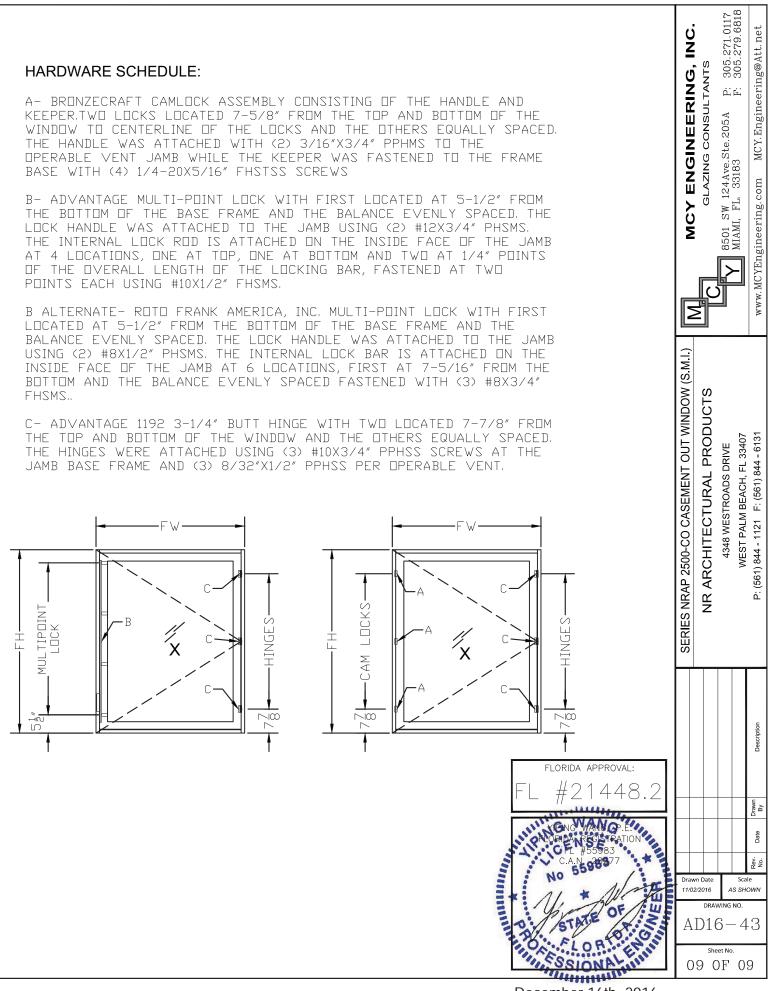


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