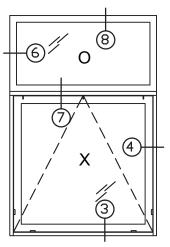
GENERAL NOTES: FLORIDA BUILDING CODE 2014

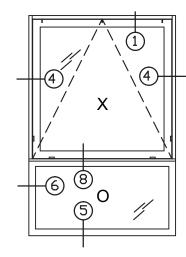
- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE 5TH EDITION FLORIDA BUILDING CODE (2014) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS A PROJECT-OUT TYPE WINDOW DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL. IMPACT SHUTTERS ARE NOR 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– WOOD BUCKS (1x OR 2x) BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 10- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE-7-10, MULTIPLE 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, 3 AND 4

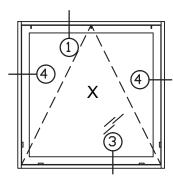
TYPICAL ELEVATIONS



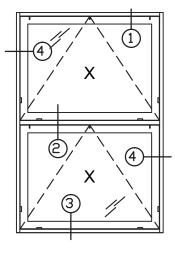
(OX) COMBINATION FIXED / PROJECT-OUT SEE SHEET 3 FOR RATING



(XO) COMBINATION PROJECT-OUT / FIXED SEE SHEET 3 FOR RATING



(X) SINGLE PROJECT-OUT WINDOW SEE SHEET 2 FOR RATING



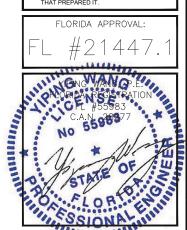
(XX) COMBINATION
PROJECT-OUT / PROJECT-OUT
SEE SHEET 4 FOR RATING

INDEX:

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5 of 9	TYPICAL DETAILS
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8 of 9	WINDOW COMPONENTS AND BILL OF MATERIAL
9 of 9	HARDWARE SCHEDULE, CORNER ASSEMBLY, GLAZING DETAILS & WEEP HOLES

IMITATIONS OF USE

- A— THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT J. 6. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B— CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVAITE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERE BY ANY MEANS.
- D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
- E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



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PROJECTED WINDOWS (L.M.I.)

NR ARCHITECTURAL PRODUCTS

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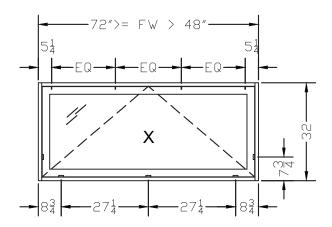
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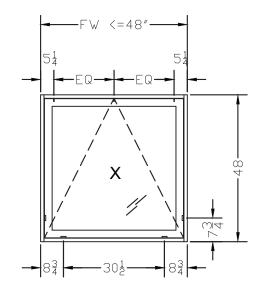
TABLE 1 DESIGNED RATING FOR SINGLE PROJECT-OUT UNITS (PSF)

MAX. F	RAME	GLASS	TYPE G1	GLASS TY	PE G2
FW	FH	EXT (+)	INT (-)	EXT (+)	INT (-)
32	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	113.2	113,2
	52	75.0	75.0	93.7	93.7
	56	65,6	65,6	65,6	65,6
	64	35.1	35.1	35.1	35.1
	72	20.5	20.5	20,5	20.5
36	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	113.2	113,2
	52	75.0	75.0	87.0	87.0
	56	60,5	60,5	60.5	60.5
	64	32.1	32.1	32.1	32.1
40	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	113.2	113,2
	52	75.0	75.0	82.4	82,4
	56	56.9	56.9	56.9	56.9
44	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	113.2	113.2
	52	75.0	75.0	79.3	79,3
48	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	113.2	113,2
52	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	112.9	112.9
	40	75.0	75.0	108.0	108.0
	44	75.0	75.0	104.7	104.7
56	32	75.0	75.0	108.0	108.0
	36	75.0	75.0	101.1	101.1
	40	75.0	75.0	96.0	96.0
64	32	75.0	75.0	90.0	90.0
70	36	75.0	75.0	83,5	83,5
72	32	75.0	75.0	77.1	77.1

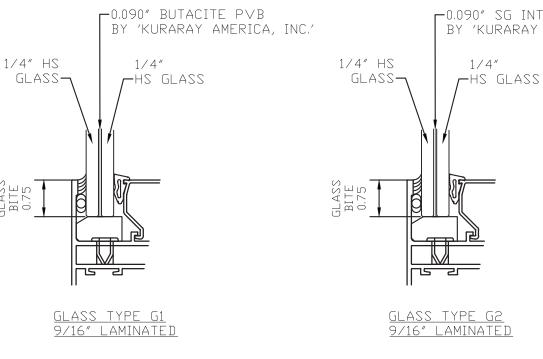
FW- FRAME WIDTH IN INCHES FH- FRAME HEIGHT IN INCHES PRESSURES IN PSF

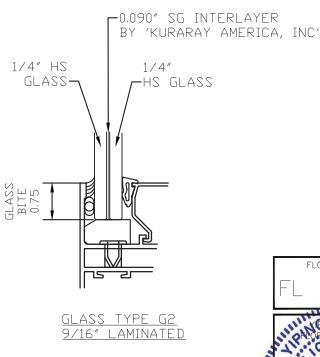


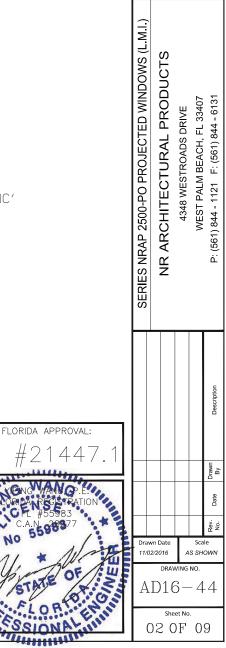
UNITS WITH WIDTH GREATER THAN 48" WILL REQUIRE: 3 SILL LOCKS AND 4 HEADER SNUBBERS



UNITS WITH WIDTH LESS OR EQUAL THAN 48" WILL REQUIRE: 2 SILL LOCKS AND 3 HEADER SNUBBERS







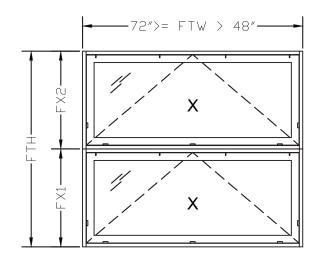
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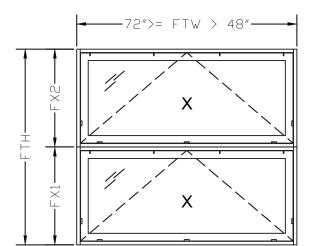
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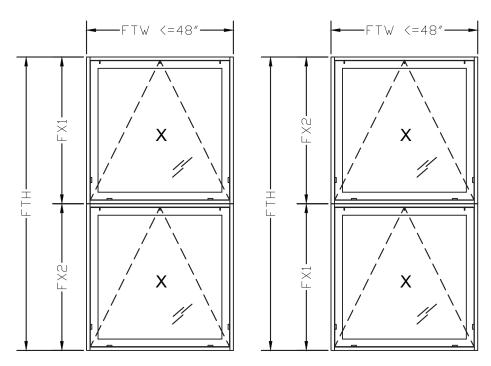
MCY ENGINEERING, INC. GLAZING CONSULTANTS

305.271.0117 305.279.6818 -72">= FTW > 48"— -72">= FTW > 48"— TABLE 2 MCY ENGINEERING, INC. DESIGNED RATING FOR COMBINATION PROJECT-OUT AND FIXED UNITS (PSF) FDH FTH FXT (+) INT (- \vdash ᅜᅜ 0 32 43.00 75.000 75.0 75.0 120.0 36 79,00 75.0 75.N 8501 SW 124Ave.Ste.205A MIAMI, FL. 33183 43,00 83,000 75.0 40 43,00 44 48 91.000 75.0 120.0 43,000 95,000 75.0 75.0 93.7 $\dot{}$ 43,000 99,000 65.6 65.6 65.6 0 35.1 64 35.1 35.1 43.000 72 43,000 115,000 20.5 20.5 20.5 36 32 75.0 120.0 70,125 36 74.125 75.0 75.0 120.0 UNITS WITH FRAME WIDTH GREATER THAN 48" WILL REQUIRE: 40 38,125 78.125 75.0 75.0 120.0 120.0 3 SILL LOCKS AND 4 HEADER SNUBBERS CO.090″ SG INTERLAYER 44 38,125 82.125 75.0 75.0 120.0 120.0 SEE SINGLE WINDOW FOR HARDWARE LOCATION BY 'KURARAY AMERICA, INC.' 48 86.125 94.125 60.5 60.5 60.5 **--**FTW <=48"**--**-FTW<=48"-1/4" 64 38.125 32.1 32.1 -HS GLASS 40 32 34,37 66,375 75.0 75.0 120.0 120.0 SERIES NRAP 2500-PO PROJECTED WINDOWS (L.M.I.) 36 34.37 70,375 75.0 75.0 120.0 120.0 40 34.37 74.375 75.0 75.0 120.0 120.0 NR ARCHITECTURAL PRODUCTS 44 34.37 78,375 75,0 120.0 0 48 34,37 82,375 75.0 75.0 120.0 52 75.0 75.0 82.4 34.37 86,375 82.4 56 56.9 56.9 34,37 90,375 56.9 56.9 75.0 120.0 44 40 0 44 75.0 31,250 75,250 120.0 48 120.0 79,250 83,250 79.3 75 48 32 60.625 75.0 120.0 28.62 75.0 UNITS WITH FRAME WIDTH LESS OR EQUAL THAN 48" WILL REQUIRE: 36 28,625 64.625 75.0 75.0 120.0 120.0 2 SILL LOCKS AND 3 HEADER SNUBBERS DPERABLE GLASS 40 28.62 68,625 75.0 75.0 120.0 SEE SINGLE WINDOW FOR HARDWARE LOCATION TYPE G2 44 28,625 72,625 75.0 75.0 120.0 120.0 9/16" LAMINATED 48 75.0 75.0 120.0 76,625 58,375 75.0 75.0 94.5 94.5 36 62.375 75.0 75.0 90.8 90.8 -0.090" BUTACITE PVB -0.090" SG -0.090" BUTACITE PVB 26,375 BY 'KURARAY AMERICA, INC." 88.0 INTERLAYER BY 'KURARAY AMERICA, INC." 40 88.0 66,375 BY 'KURARAY AMERICA, INC.' 44 70.375 86.1 86.1 56 70.9 70.9 70.9 24.500 56,500 70.9 1/4" 1/4" 1/4" 36 24,500 60.500 67.7 67.7 67.7 67.7 HS GLASS -HS GLASS HS GLASS 40 24,500 65,3 64.500 65.3 65.3 65.3 64 42.6 42.6 32 21.500 53,500 42.6 42.6 36 21,50 57,500 40.4 40.4 40.4 40.4 FLORIDA APPROVAL: FTW- MAXIMUM FRAME TOTAL WIDTH IN INCHES FXH- MAXIMUM OPERABLE FRAME HEIGHT IN INCHES FOH- MAXIMUM FIXED FRAME HEIGHT IN INCHES FTH- MAXIMUM FRAME TOTAL HEIGHT IN INCHES PRESSURES IN PSF 5 2 OPERABLE GLASS FIXED GLASS AD16-44 TYPE G1 TYPE G2 TYPE G1 9/16" LAMINATED 9/16" LAMINATED 9/16" LAMINATED 03 OF 09

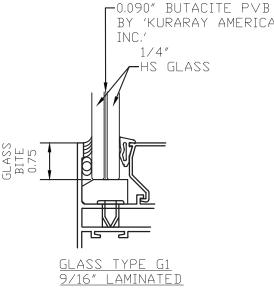


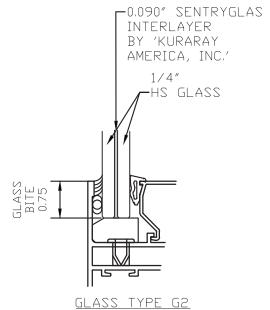


UNITS WITH FRAME WIDTH GREATER THAN 48" WILL REQUIRE: 3 SILL LOCKS AND 4 HEADER SNUBBERS SEE SINGLE WINDOW FOR HARDWARE LOCATION



UNITS WITH FRAME WIDTH LESS OR EQUAL THAN 48" WILL REQUIRE: 2 SILL LOCKS AND 3 HEADER SNUBBERS SEE SINGLE WINDOW FOR HARDWARE LOCATION



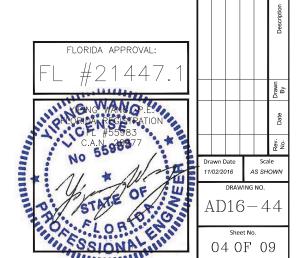


9/16" LAMINATED

TABLE 3
DESIGNED RATING FOR COMBINATION PROJECT-OUT AND PROJECT-OUT UNITS (PSF)

	MAXIMU	M FRAI	ME DIMENS	SIONS	GLASS TY	PE G1	GLASS T	YPE G2
	FTW	FX1	FX2	FTH	EXT (+)	INT (-)	EXT (+)	INT (-)
	32	48.0	48.0	96.0	75.0	75.0	120.0	120.0
		54.0	54.0	108.0	75.0	75.0	78.1	78.1
		57,5	57.5	114.9	58.0	58.0	58.0	58.0
		60.0	54.9	114.9	47.3	47.3	47.3	47.3
		64.0	50.9	114.9	35,1	35.1	35.1	35.1
		68,0	46.9	114.9	26,5	26.5	26,5	26.5
		72.0	42.9	114.9	20.5	20.5	20.5	20.5
	36	48.0	48.0	96.0	75.0	75.0	120.0	120.0
		51.1	51.1	102.2	75.0	75.0	95.1	95.1
		52.0	50.2	102.2	75.0	75.0	87.0	87.0
		56.0	46.2	102.2	60.5	60.5	60.5	60.5
		60.0	42.2	102.2	43,5	43.5	43.5	43.5
		64.0	38.2	102.2	32.1	32.1	32.1	32.1
3	40	46.0	46.0	92.0	75.0	75.0	120.0	120.0
Α,		48.0	44.0	92.0	75,0	75.0	120.0	120.0
		52.0	40.0	92.0	75.0	75.0	82.4	82.4
		56.0	36.0	92.0	56,9	56.9	56.9	56.9
		57.6	34.4	92.0	49,5	49.5	49.5	49.5
	44	41.8	41.8	83,6	75.0	75.0	120.0	120.0
		44.0	39.6	83,6	75.0	75.0	120.0	120.0
		48.0	35.6	83,6	75.0	75.0	120.0	120.0
		52.4	31.2	83,6	75.0	75.0	76.5	76.5
	48	38,3	38.3	76.6	75.0	75.0	120.0	120.0
		44.0	32.6	76.6	75.0	75.0	120.0	120.0
		48,0	28.6	76,6	75,0	75.0	120.0	120.0
	52	35.4	35.4	70.7	75.0	75.0	87.2	87.2
		38.0	32.7	70.7	75.0	75.0	87.5	87.5
		40.0	30.7	70.7	75.0	75.0	88,1	88.1
		44.0	26.7	70.7	75.0	75.0	90.3	90.3
	56	32,8	32.8	65.7	66.3	66.3	66.3	66.3
		36,0	29.7	65.7	66,6	66.6	66,6	66,6
		41.0	24.7	65.7	68.1	68.1	68.1	68.1
	64	28.7	28.7	57.5	41.8	41.8	41.8	41.8
		36.0	21.5	57.5	42.5	42.5	42.5	42.5
	72	25.5	25.5	51.1	28.5	28.5	28.5	28.5

FTW- MAXIMUM FRAME TOTAL WIDTH IN INCHES
FX1- MAXIMUM OPERABLE 1 FRAME HEIGHT IN INCHES
FX2- MAXIMUM OPERABLE 2 FRAME HEIGHT IN INCHES
FTH- MAXIMUM FRAME TOTAL HEIGHT IN INCHES
PRESSURES IN PSF



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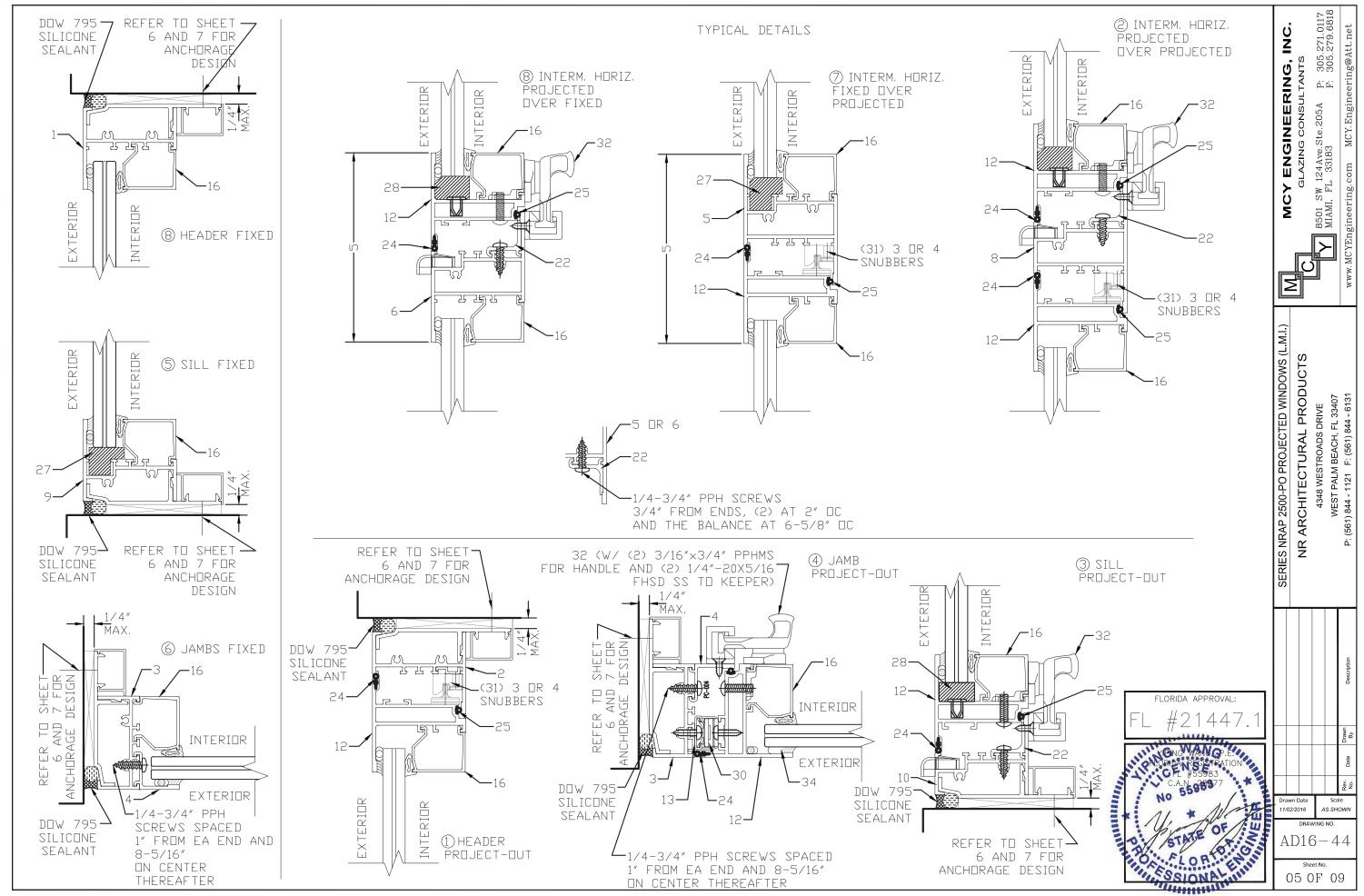
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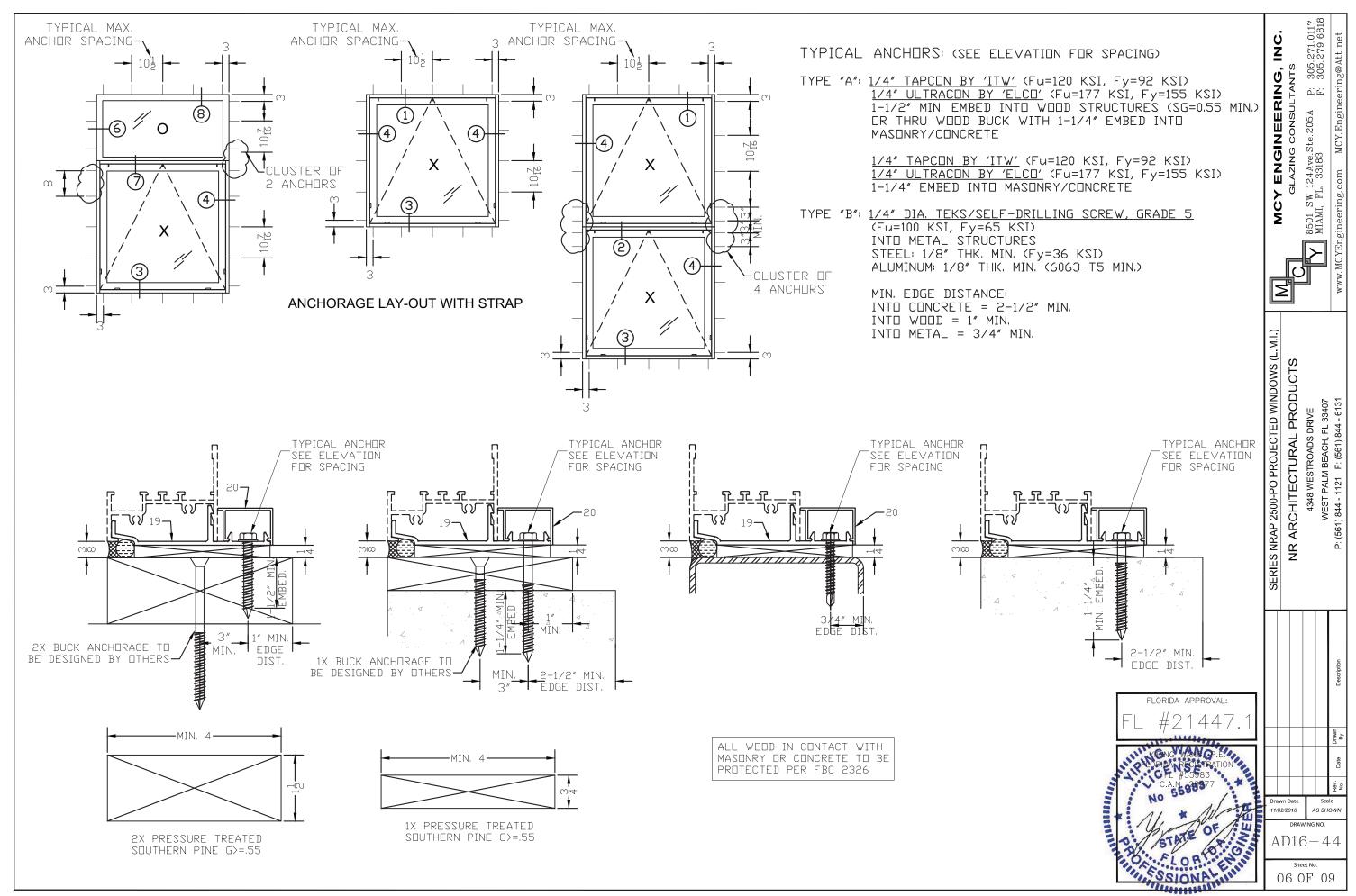
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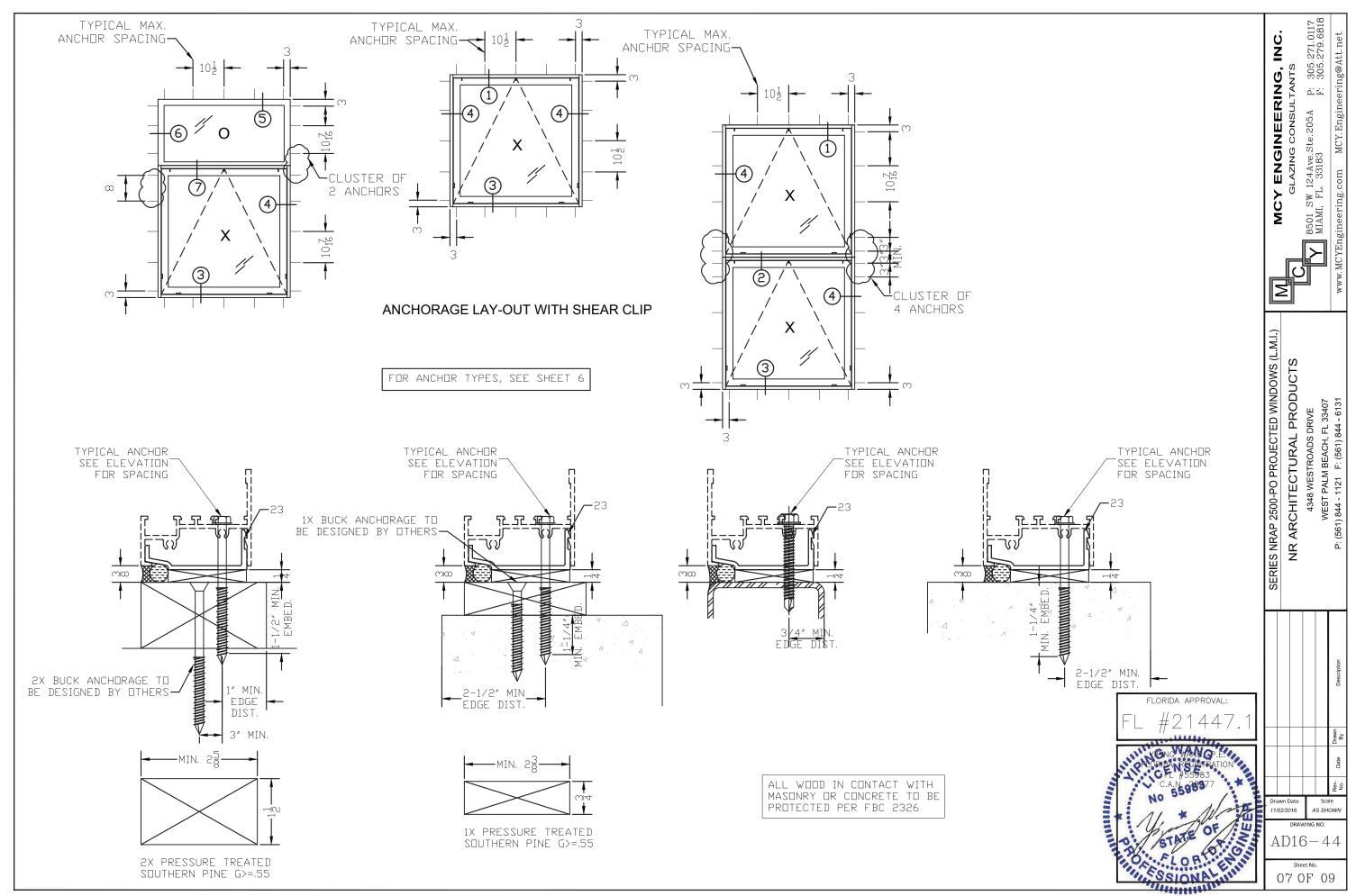
MCY ENGINEERING, INC. GLAZING CONSULTANTS

SERIES NRAP 2500-PO PROJECTED WINDOWS (L.M.I.)

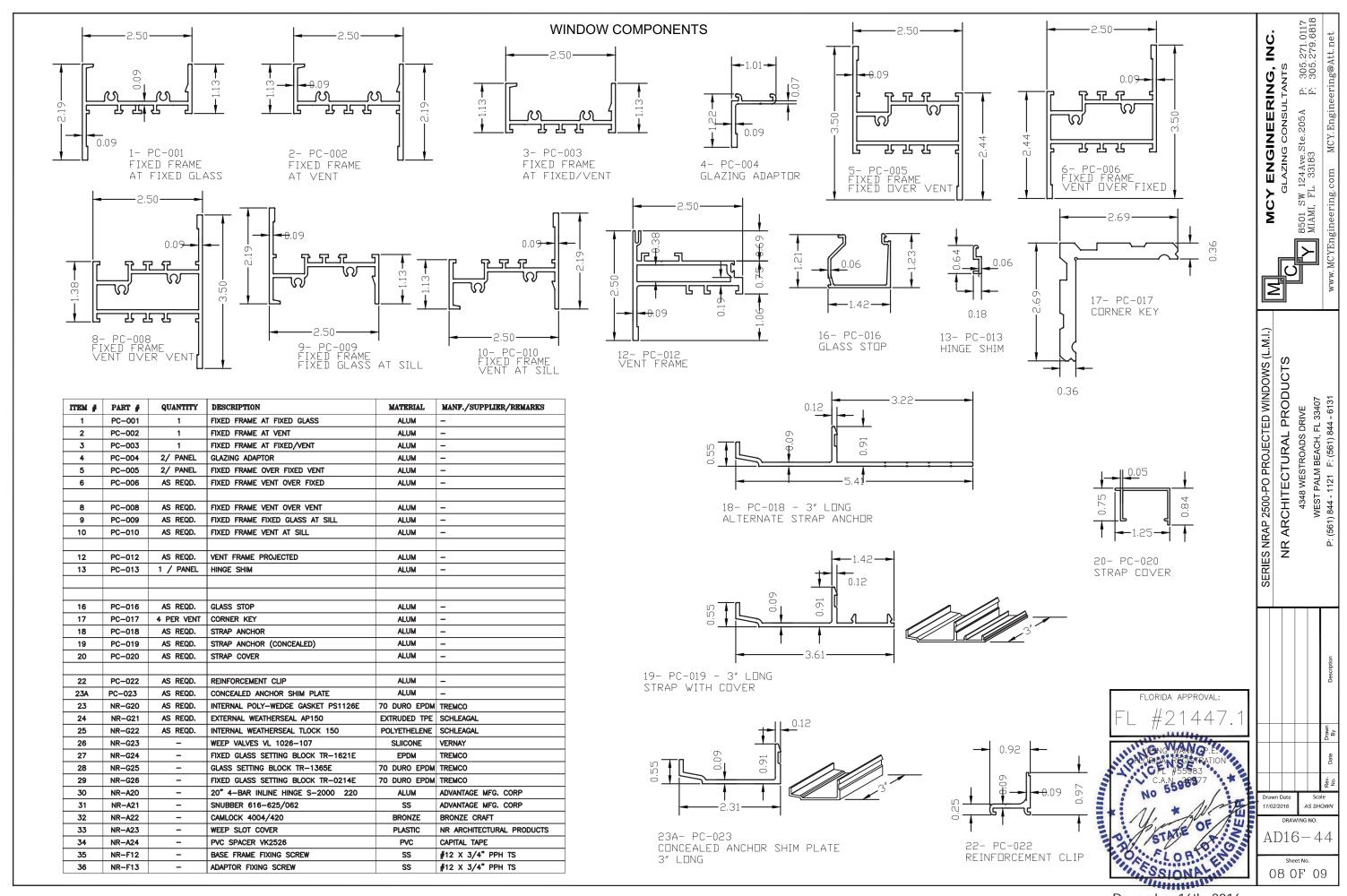
NR ARCHITECTURAL PRODUCTS
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131



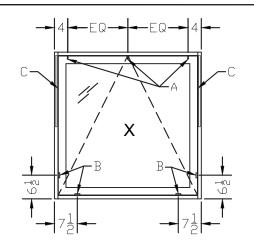


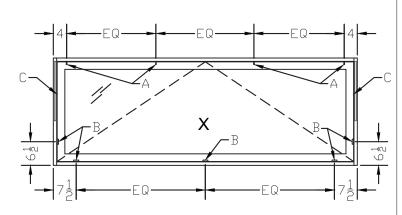


December 16th, 2016



December 16th, 2016





HARDWARE SCHEDULE:

A- AMC SNUBBER ASSEMBLY CONSISTING OF A DRIVER AND RECEIVER. 3 OR 4 SNUBBERS ASSEMBLIES WHERE LOCATED AT VENT HEADER, 4" FROM EACH END AND THE OTHERS EQUALLY SPACED. THE RECEIVER WAS ATTACHED TO THE FRAME BASE USING (3) #10X3/4" PPH SELF TAPPING SS SCREWS AT EACH LOCATION. THE DRIVER WAS ATTACHED TO THE OPERABLE VENT USING (2) #10X3/4" PPH SELF TAPPING SS SCREWS AT EACH LOCATION.

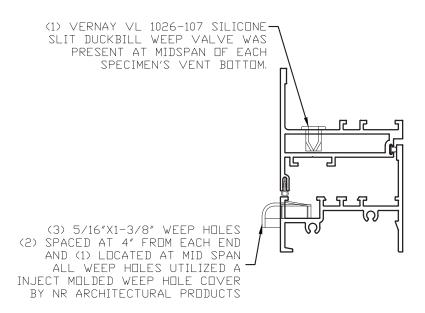
B- BRONZECRAFT CAMLOCK ASSEMBLY CONSISTING OF THE HANDLE AND KEEPER. 1 LOCK PER JAMB LOCATED 6-1/2" FROM THE SILL AND 2 OR 3 LOCKS PER SILL LOCATED 7-1/2" FROM THE JAMBS AND 1 AT MIDDLE WHEN REQUIRED.

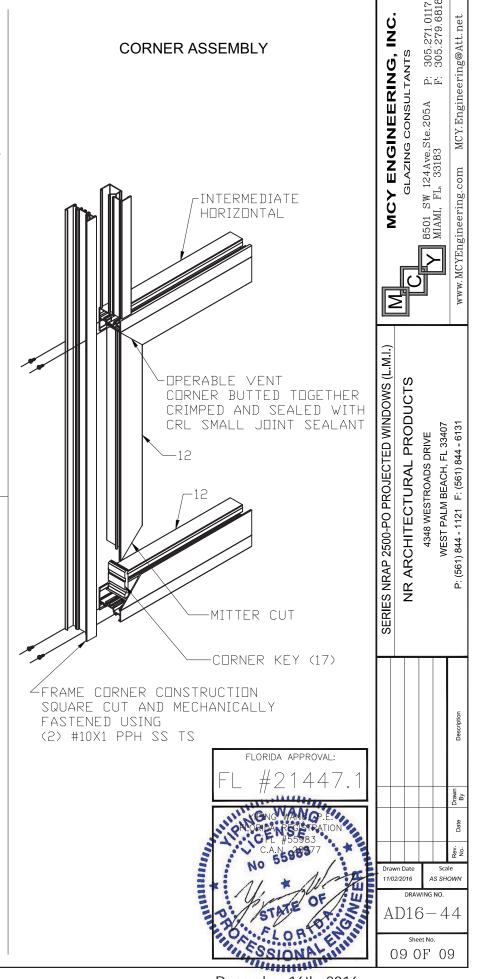
C- AMC 220 20" SERIES 2000 4-BAR INLINE HINGES ATTACHED USING #10X5/8" PPH SELF TAPPING SCREWS, FOUR PER OPERABLE VENT AND EIGHT PER BASE FRAME.

GLAZING DETAIL INTERLAYERS G1-0.090" BUTACITE PVB BY 'KURARAY AMERICA, INC.' G2-0.090" SG BY 'KURARAY AMERICA, INC.' 1/4" HS GLASS CAPITAL VK2526 1/4" PVC SPACER FOLLOWED BY A CONTINUOUS 1/8"X5/16" BEAD OF DOW 983 II PART SILICONE OR DOW 995 1 PART SILICONE SEALANT GLASS STOP SNAP-FIT TO THE INTERIOR OF FRAM

GLASS: DVERALL 9/16" LAMINATED

WEEP HOLES, WATER DIVERTERS, COVERS





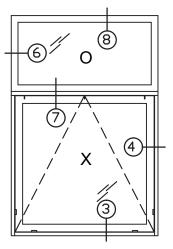
GENERAL NOTES: FLORIDA BUILDING CODE 2014

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- 2- DEFINITION: THIS PRODUCT IS A PROJECT-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.
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- 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- WOOD BUCKS (1x OR 2x) BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 10- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE-7-10, MULTIPLE 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.

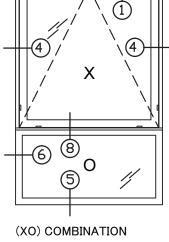
FOR ALLOWABLE SIZES AND PRESSURES REFER TO: SHEETS 2. 3 AND 4

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

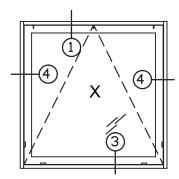
TYPICAL ELEVATIONS



(OX) COMBINATION FIXED / PROJECT-OUT SEE SHEET 3 FOR RATING



PROJECT-OUT / FIXED SEE SHEET 3 FOR RATING



(X) SINGLE PROJECT-OUT WINDOW SEE SHEET 2 FOR RATING

ANCHORAGE LAY-OUT WITH SHEAR CLIP

WINDOW COMPONENTS AND BILL

INDEX AND TYPICAL ELEVATIONS

TABLE 3 DESIGN RATING FOR COMBINATION PROJECT-OUT / PROJECT-OUT UNITS

MATERIA

HARDWARE SCHEDULE, CORNER ASSEMBLY, GLAZING DETAILS & WEEP HOLES

DESIGN RATING FOR COMBINATION PROJECT

WITH STRAPS

DESCRIPTION

GENERAL NOTES

ANCHORAGE LAY-OUT

INDEX:

SHEET

2 of 9 3 of 9

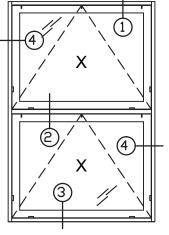
4 of 9

6 of 9

7 of 9

9 of 9

5 of



(XX) COMBINATION PROJECT-OUT / PROJECT-OUT SEE SHEET 4 FOR RATING

D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.

THIS P.E.D .SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS

PROJECT; i.e.WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D. CONTRACTOR TO BE RESPONSIBLE FOR

THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED

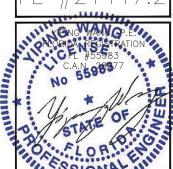
ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE

WILL BE CONSIDERED INVALID IF ALTERED

CONDITIONS DETAILED ON THIS

BY ANY MEANS.

C- THIS PRODUCT EVALUATION DOCUMENT



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ENGINEERING,

MCY

PROJECTED WINDOWS (S.M.I.)

NR ARCHITECTURAL PRODUCTS

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8501 SW 124Ave.Ste.205A MIAMI, FL. 33183

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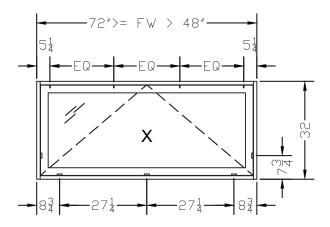
01 OF 09

December 16th, 2016

TABLE 1 DESIGNED RATING FOR SINGLE PROJECT-OUT UNITS (PSF)

MAX. F	RAME	GLASS	TYPE G3/G4
FW	FH	EXT (+)	INT (-)
32	32	120.0	120.0
	36	120.0	120.0
	40	120.0	120.0
	44	120.0	120.0
	48	113,2	113.2
	52	93.7	93.7
	56	65,6	65,6
	64	35.1	35.1
	72	20.5	20.5
36	32 36	120.0 120.0	120,0 120,0
	36		
	40	120.0	120.0
	44	120.0	120.0
	48	113,2	113,2
	52	87.0	87,0
	56	60.5	60.5
	64	32.1	32.1
40	32	120.0	120.0
	36	120.0	120.0
	40	120.0	120.0
	44	120.0	120.0
	48	113,2	113,2 82,4
	52	82.4	
	56 32	56.9	56.9
44	32	120.0	120.0
	36	120.0	120.0
	40	120.0	120.0
	44	120.0	120.0
	48	113,2	113,2
	52	79,3	79,3
48	32	120.0	120.0
	36	120.0	120.0
	40	120.0	120.0
	44	120.0	120.0
	48	113.2	113.2
52	32	120.0	120.0
	36	112.9	112.9
	40	108.0	108.0
	44	104.7	104.7
56	32	108.0	108.0
	36	101.1	101.1
C 1	40	96.0	96.0
64	32	90,0	90.0
70	36	83,5	83,5
72	32	77.1	77.1

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



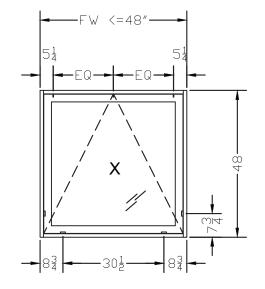
UNITS WITH WIDTH GREATER THAN 48" WILL REQUIRE: 3 SILL LOCKS AND 4 HEADER SNUBBERS

-0.060" BUTACITE PVB

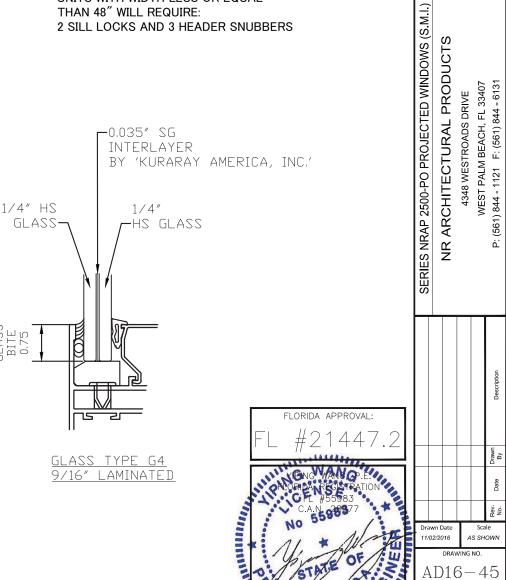
1/4"

HS GLASS

BY 'KURARAY AMERICA, INC.'



UNITS WITH WIDTH LESS OR EQUAL THAN 48" WILL REQUIRE: 2 SILL LOCKS AND 3 HEADER SNUBBERS



December 16th, 2016

02 OF 09

P: 305.271.0117 F: 305.279.6818

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MCY ENGINEERING, INC. GLAZING CONSULTANTS

1/4″ HS

GLASS TYPE G3 9/16" LAMINATED

1/4" HS

GLASS-

TABLE 2
DESIGNED RATING FOR COMBINATION
PROJECT-OUT AND FIXED UNITS (PSF)

MAXIML	JM FRAN	ME DIMENS	SIONS	GLASS TY	PE G3/G4
FTW	FXH	FDH	FTH	EXT (+)	INT (-)
32	32	43.000	75,000	120.0	120.0
	36	43.000	79,000	120.0	120.0
	40	43.000	83,000	120.0	120.0
	44	43.000	87,000	120.0	120.0
	48	43.000	91,000	120.0	120.0
	52	43.000	95,000	93.7	93.7
	56	43,000	99,000	65,6	65.6
	64	43.000	107.000	35.1	35.1
	72	43.000	115.000	20.5	20.5
36	32	38.125	70.125	120.0	120.0
	36	38.125	74.125	120.0	120.0
	40	38.125	78.125	120.0	120.0
	44	38.125	82.125	120.0	120.0
	48	38.125	86,125	120.0	120.0
	52	38.125	90,125	87.0	87.0
	56	38.125	94.125	60.5	60.5
	64	38.125	102.125	32.1	32.1
40	32	34.375	66,375	120.0	120.0
	36	34.375	70,375	120.0	120.0
	40	34.375	74,375	120.0	120.0
	44	34.375	78,375	120.0	120.0
	48	34.375	82,375	120.0	120.0
	52	34.375	86,375	82.4	82.4
	56	34.375	90,375	56.9	56.9
44	32	31,250	63,250	120.0	120.0
	36	31.250	67,250	120,0	120.0
	40	31.250	71,250	120.0	120.0
	44	31,250	75,250	120.0	120.0
	48	31.250	79,250	120.0	120.0
	52	31.250	83,250	79.3	79.3
48	32	28,625	60,625	120.0	120.0
	36	28,625	64.625	120.0	120.0
	40	28,625	68,625	120.0	120.0
	44	28,625	72,625	120.0	120.0
	48	28,625	76.625	120.0	120.0
52	32	26,375	58,375	94.5	94.5
	36	26,375	62,375	90.8	90.8
	40	26.375	66,375	88.0	88.0
	44	26.375	70,375	86.1	86.1
56	32	24.500	56,500	70.9	70.9
	36	24.500	60,500	67.7	67.7
	40	24.500	64,500	65,3	65.3
64	32	21.500	53,500	42.6	42.6
	36	21.500	57,500	40.4	40.4
72	32	19.125	51.125	27.3	27.3

FTW- MAXIMUM FRAME TOTAL WIDTH IN INCHES FXH- MAXIMUM OPERABLE FRAME HEIGHT IN INCHES FOH- MAXIMUM FIXED FRAME HEIGHT IN INCHES FTH- MAXIMUM FRAME TOTAL HEIGHT IN INCHES

PRESSURES IN PSF

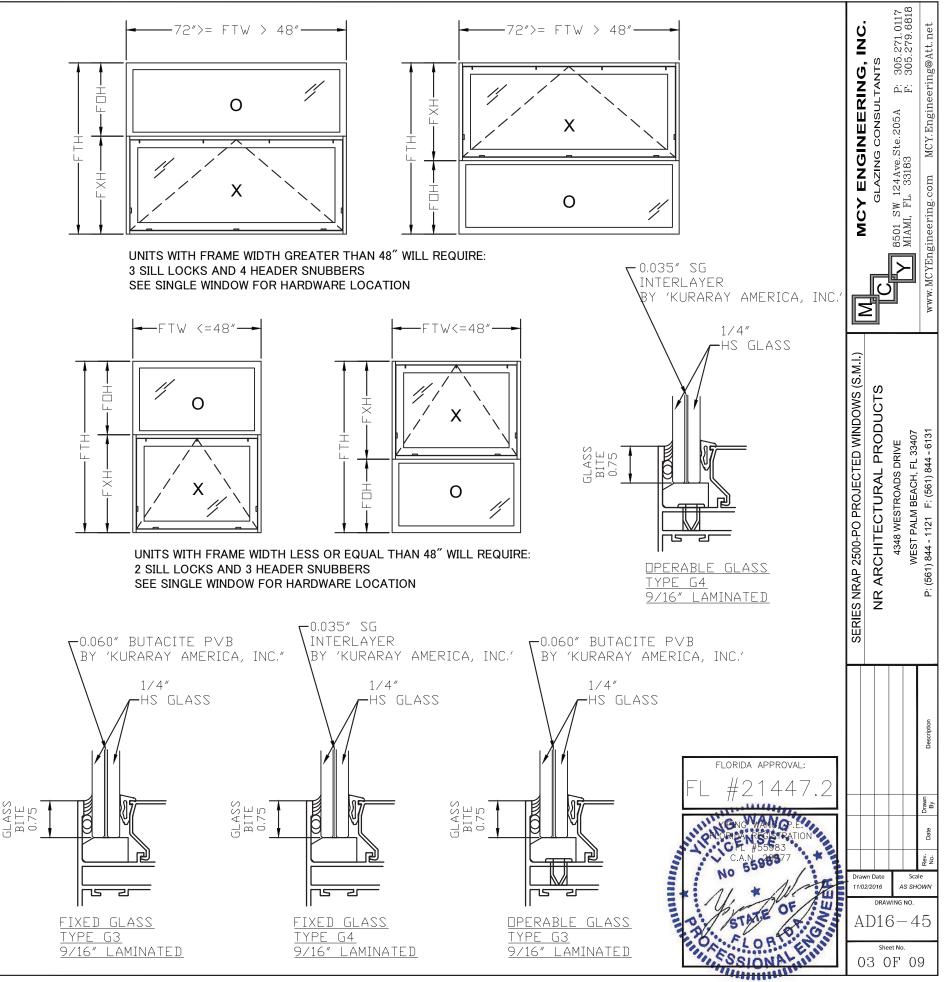
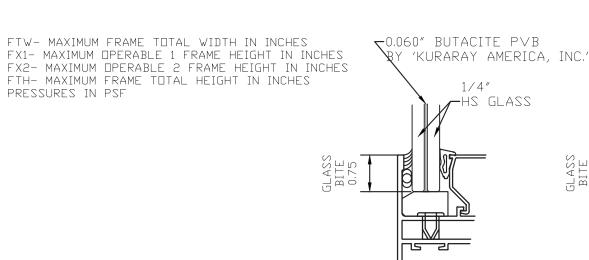


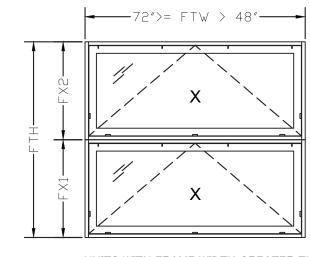
TABLE 3 DESIGNED RATING FOR COMBINATION PROJECT-OUT AND PROJECT-OUT UNITS (PSF)

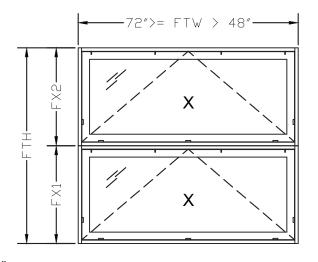
MAXIML	JM FRAN	ME DIMENS	SIONS	GLASS T	YPE G3/G4
FTW	FX1	FX2	FTH	EXT (+)	INT (-)
32	48,0	48.0	96.0	120.0	120.0
	54.0	54.0	108.0	78.1	78.1
	57.5	57.5	114.9	58.0	58.0
	60.0	54.9	114.9	47.3	47.3
	64.0	50.9	114.9	35.1	35.1
	68,0	46.9	114.9	26.5	26.5
	72.0	42.9	114.9	20.5	20.5
36	48.0	48.0	96.0	120.0	120.0
	51.1	51.1	102.2	95.1	95.1
	52.0	50.2	102.2	87.0	87.0
	56.0	46.2	102.2	60.5	60.5
	60,0	42,2	102,2	43.5	43.5
	64,0	38,2	102.2	32.1	32.1
40	46.0	46.0	92.0	120.0	120.0
	48.0	44.0	92.0	120.0	120.0
	52.0	40.0	92.0	82.4	82.4
	56.0	36.0	92.0	56.9	56.9
	57.6	34.4	92.0	49.5	49.5
44	41.8	41.8	83,6	120.0	120.0
	44.0	39.6	83.6	120.0	120.0
	48.0	35,6	83,6	120.0	120.0
	52.4	31.2	83.6	76.5	76.5
48	38,3	38.3	76.6	120.0	120.0
	44.0	32.6	76.6	120.0	120.0
	48.0	28.6	76.6	120.0	120.0
52	35.4	35.4	70.7	87.2	87.2
	38.0	32.7	70.7	87.5	87.5
	40.0	30.7	70.7	88.1	88.1
	44.0	26.7	70.7	90.3	90.3
56	32.8	32,8	65.7	66.3	66.3
	36.0	29.7	65.7	66.6	66.6
	41.0	24.7	65.7	68.1	68.1
64	28.7	28.7	57.5	41.8	41.8
	36.0	21.5	57.5	42.5	42.5
72	25,5	25.5	51.1	28.5	28.5



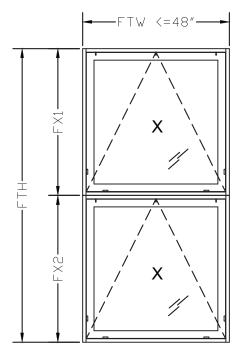
GLASS TYPE G3

9/16" LAMINATED





UNITS WITH FRAME WIDTH GREATER THAN 48" WILL REQUIRE: 3 SILL LOCKS AND 4 HEADER SNUBBERS SEE SINGLE WINDOW FOR HARDWARE LOCATION



C0.035" SENTRYGLAS

1/4"

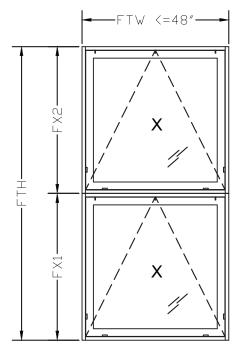
 $ar{}$ by 'Kuraray america, inc.:

-HS GLASS

INTERLAYER

GLASS TYPE G4

9/16" LAMINATED



UNITS WITH FRAME WIDTH LESS OR EQUAL THAN 48" WILL REQUIRE: 2 SILL LOCKS AND 3 HEADER SNUBBERS SEE SINGLE WINDOW FOR HARDWARE LOCATION



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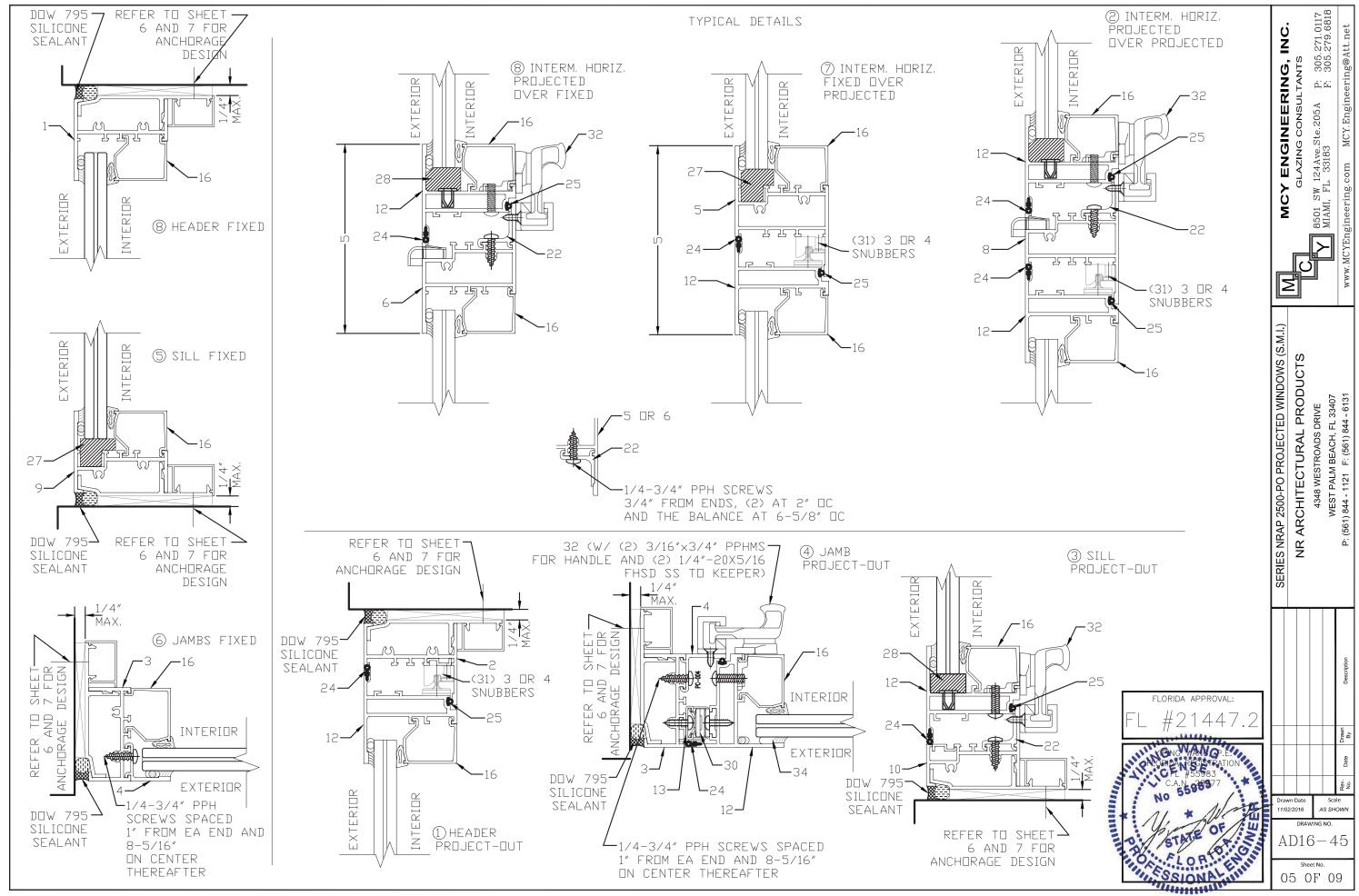
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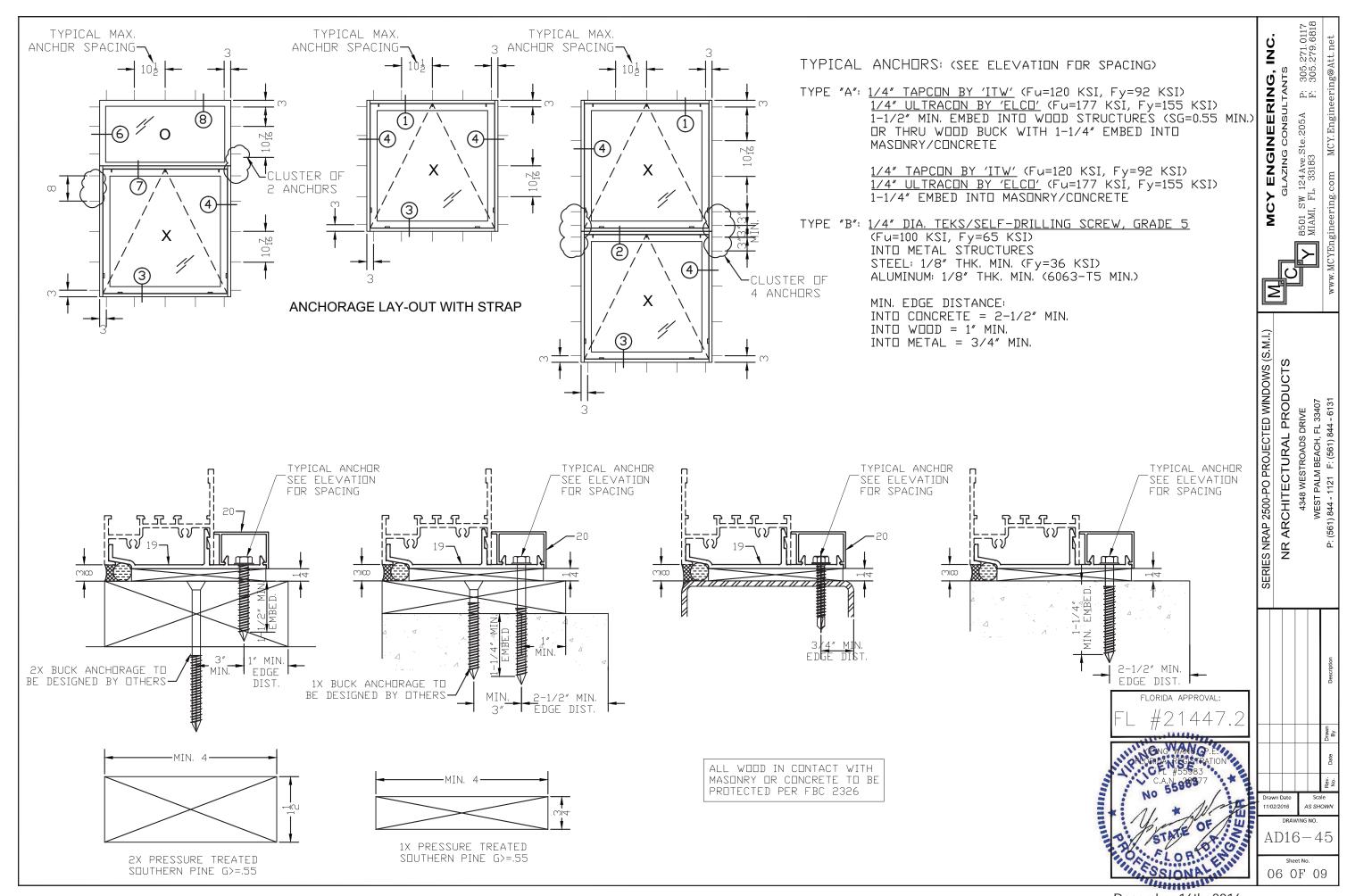
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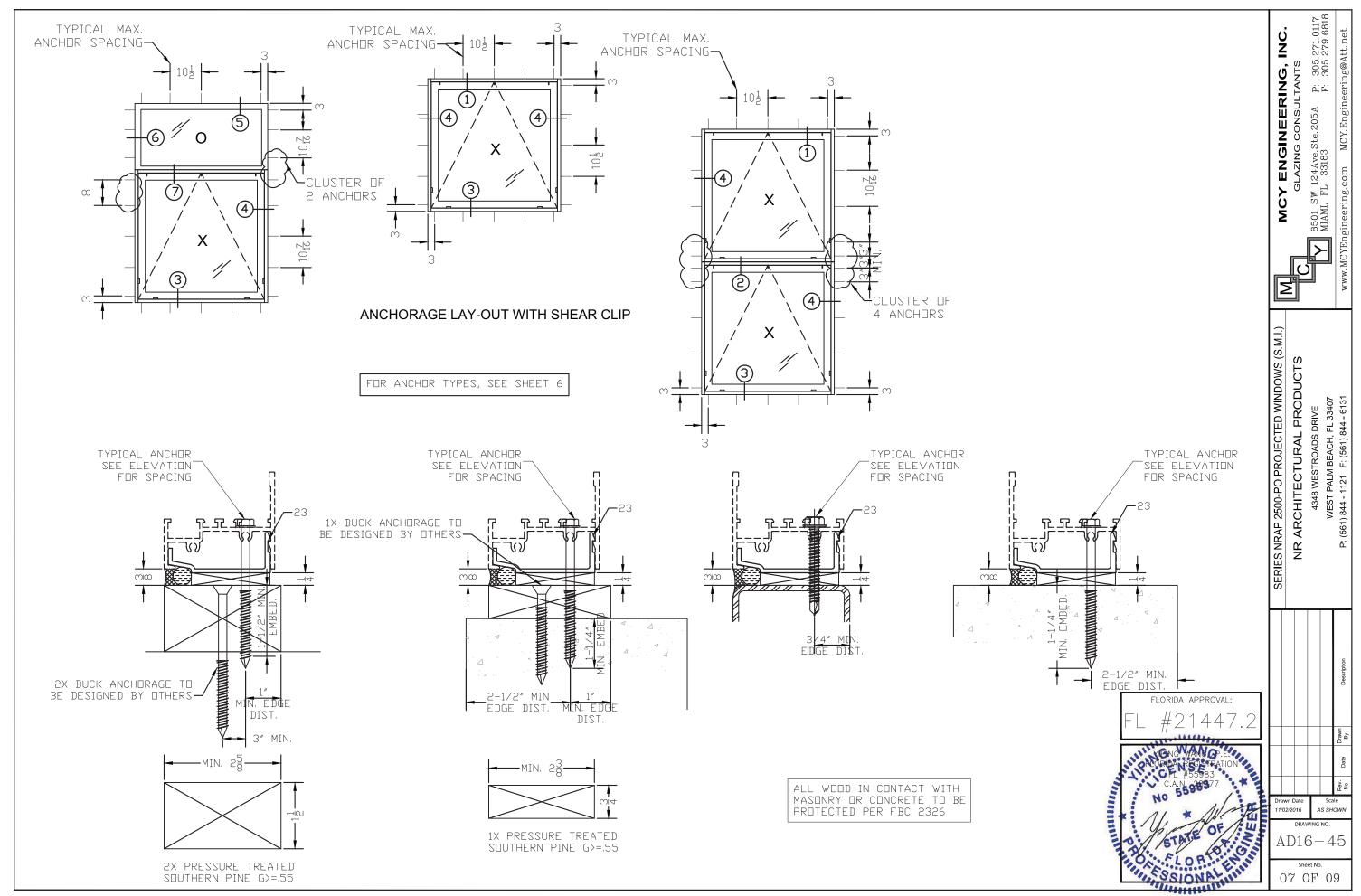
MCY ENGINEERING, INC. GLAZING CONSULTANTS

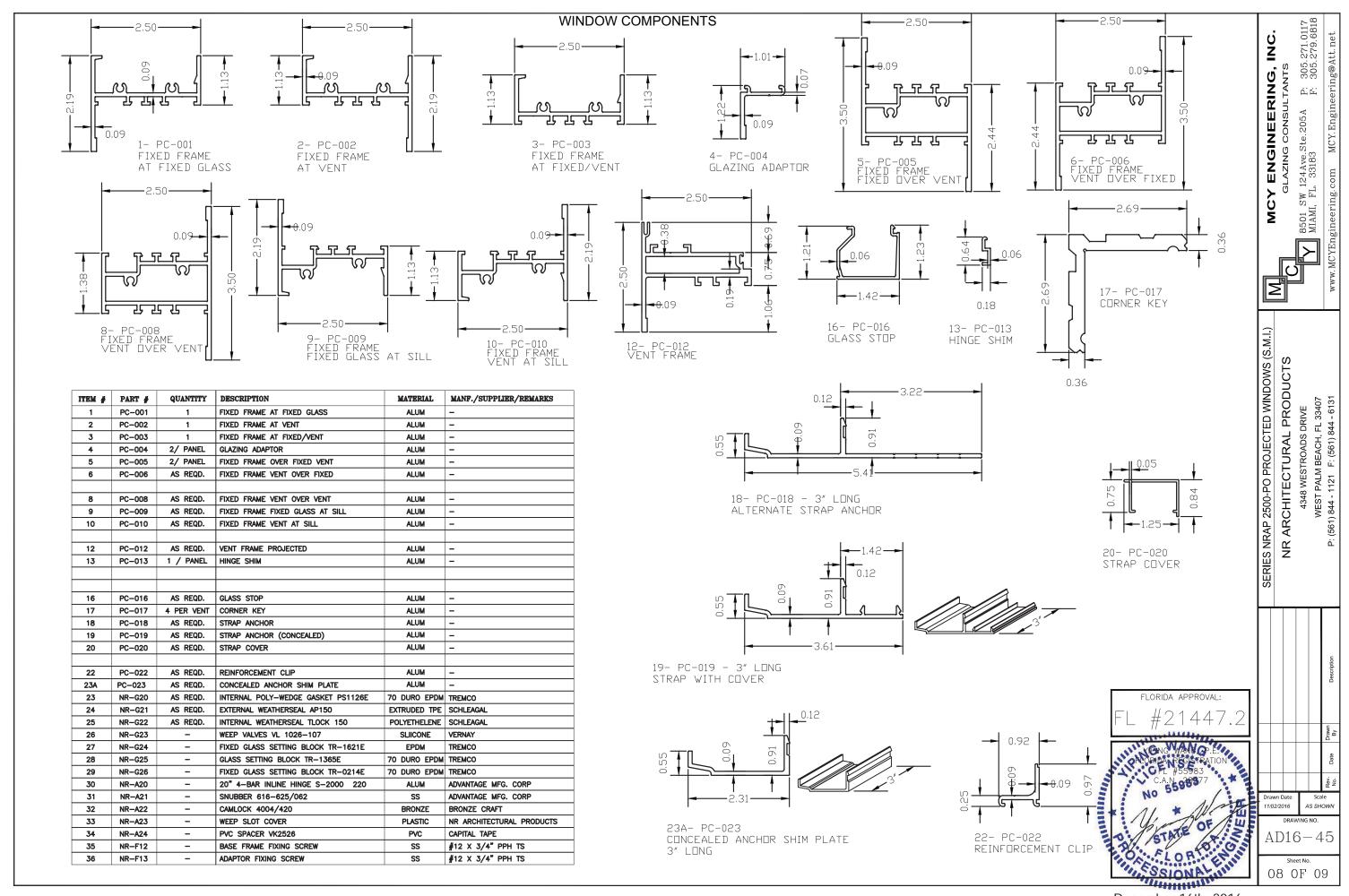
SERIES NRAP 2500-PO PROJECTED WINDOWS (S.M.I.)

NR ARCHITECTURAL PRODUCTS
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

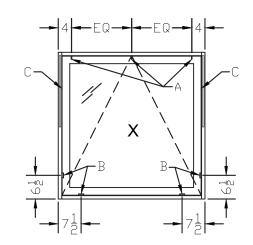


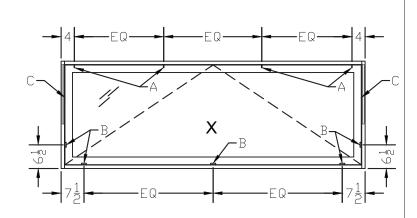






December 16th, 2016





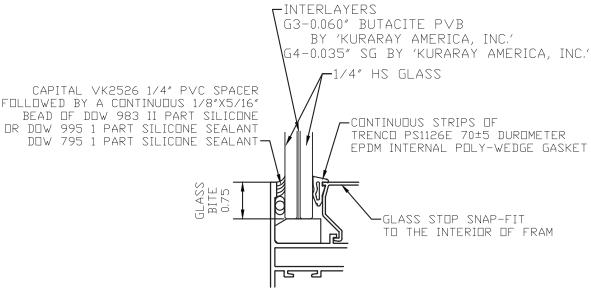
HARDWARE SCHEDULE:

A- AMC SNUBBER ASSEMBLY CONSISTING OF A DRIVER AND RECEIVER, 3 OR 4 SNUBBERS ASSEMBLIES WHERE LOCATED AT VENT HEADER, 4" FROM EACH END AND THE OTHERS EQUALLY SPACED. THE RECEIVER WAS ATTACHED TO THE FRAME BASE USING (3) #10X3/4" PPH SELF TAPPING SS SCREWS AT EACH LOCATION. THE DRIVER WAS ATTACHED TO THE OPERABLE VENT USING (2) #10X3/4" PPH SELF TAPPING SS SCREWS AT EACH LOCATION.

B- BRONZECRAFT CAMLOCK ASSEMBLY CONSISTING OF THE HANDLE AND KEEPER. 1 LOCK PER JAMB LOCATED 6-1/2" FROM THE SILL AND 2 OR 3 LOCKS PER SILL LOCATED 7-1/2" FROM THE JAMBS AND 1 AT MIDDLE WHEN REQUIRED.

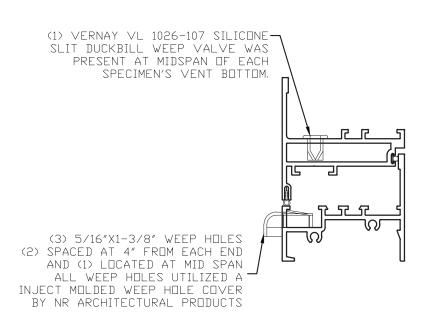
C- AMC 220 20" SERIES 2000 4-BAR INLINE HINGES ATTACHED USING #10X5/8" PPH SELF TAPPING SCREWS, FOUR PER OPERABLE VENT AND EIGHT PER BASE FRAME.

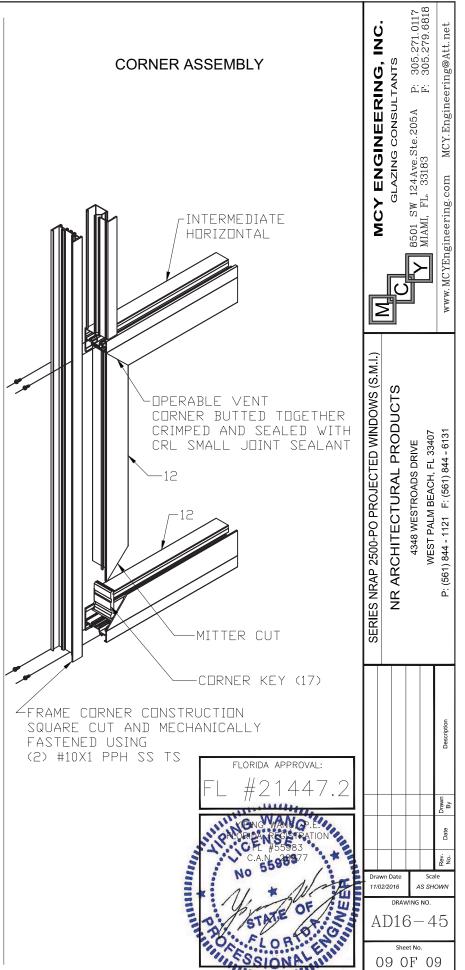
GLAZING DETAIL



GLASS: OVERALL 9/16" LAMINATED

WEEP HOLES, WATER DIVERTERS, COVERS





December 16th, 2016