

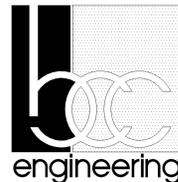


WATERFRONT MARKET REHABILITATION

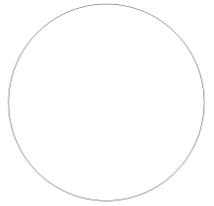
201 WILLIAM STREET
KEY WEST, FL 33040

Permit Set
September 26, 2011

PRIME/STRUCTURAL:



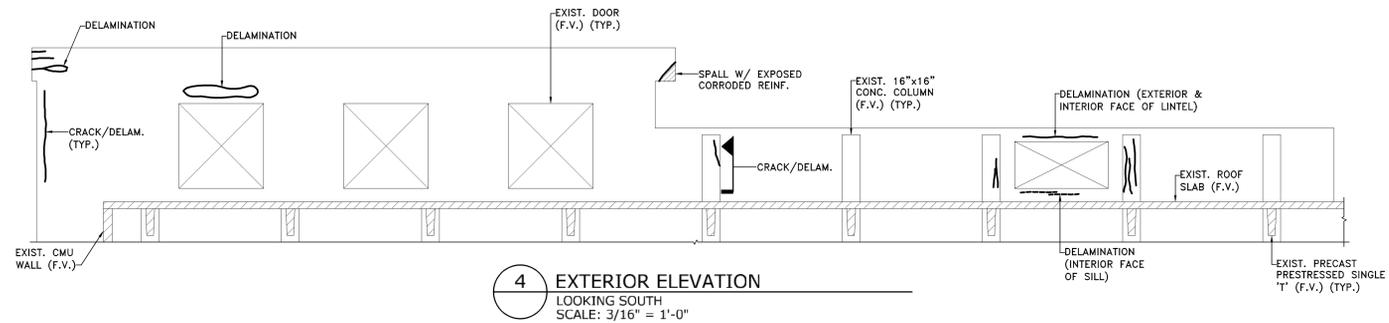
7300 North Kendall Drive, Suite 400
Miami, Florida 33156
Tel : 305.670.2350 Fax : 305.670.2351
www.bcceng.com
Certificate of Authorization No. 7184
Juan J. Fuentes, P.E., S.E., LEED AP
Structural Engineer Florida Lic. No. 62426



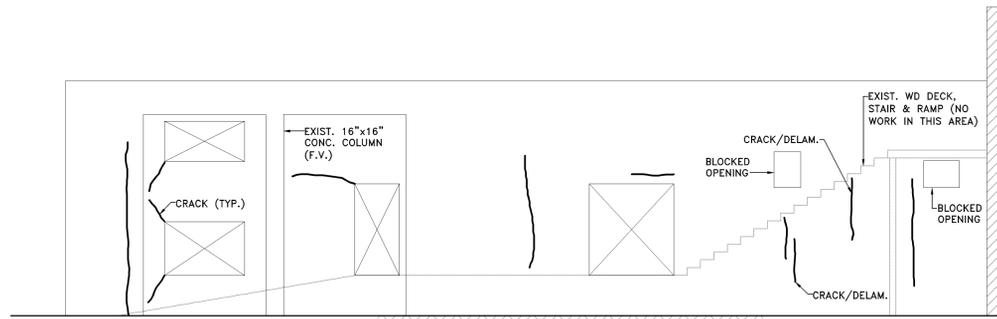
To the best of my knowledge these plans and specifications comply with the applicable minimum building codes.

Juan J. Fuentes, P.E.
Florida License No. 62426

In Association with:

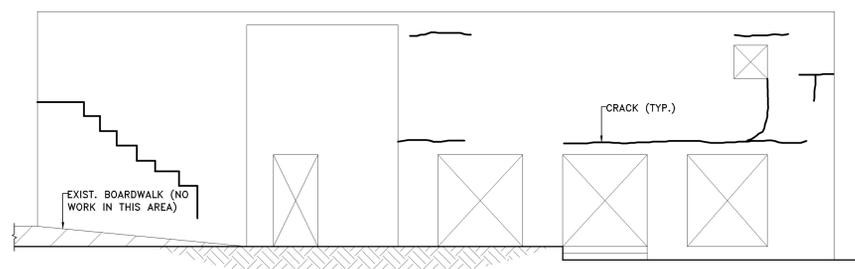


4 EXTERIOR ELEVATION
LOOKING SOUTH
SCALE: 3/16" = 1'-0"

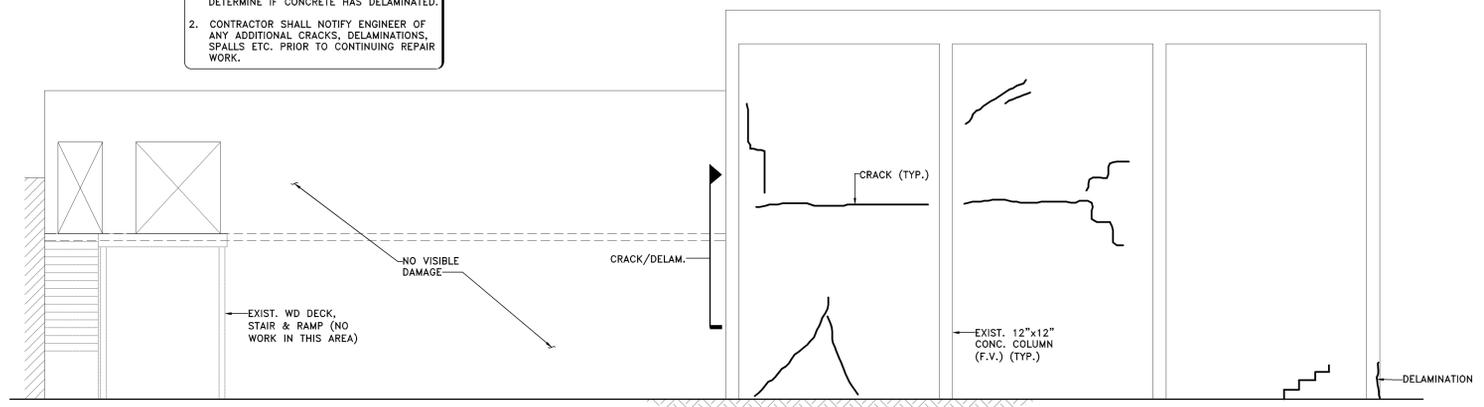


3 EXTERIOR ELEVATION
LOOKING NORTH
SCALE: 3/16" = 1'-0"

NOTES:
1. CONTRACTOR SHALL SOUND OUT CRACKS & DETERMINE IF CONCRETE HAS DELAMINATED.
2. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY ADDITIONAL CRACKS, DELAMINATIONS, SPALLS ETC. PRIOR TO CONTINUING REPAIR WORK.



1 EXTERIOR ELEVATION
LOOKING EAST
SCALE: 3/16" = 1'-0"



2 EXTERIOR ELEVATION
LOOKING EAST
SCALE: 3/16" = 1'-0"

Submittals / Revisions

No.	Description	Date

Drawn: CA
Checked: SG
Reviewed: JJF
BCC Project No.: -
Date: 09/26/11

**Waterfront Market
Rehabilitation**
201 William Street
Key West, FL 33040

S-3.1

STRUCTURAL CALCULATIONS FOR

WATERFRONT MARKET REHABILITATION

**201 William Street
City of Key West, FL 33040**

Prepared by:



**BCC Engineering, Inc.
Certificate of Authorization No. 7184
September 26, 2011**

**Calculations have been prepared by the undersigned engineer assuming
responsibility for manual and computer generated information.**

**Juan J. Fuentes, PE
Florida License No. 62426**

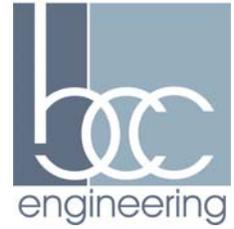
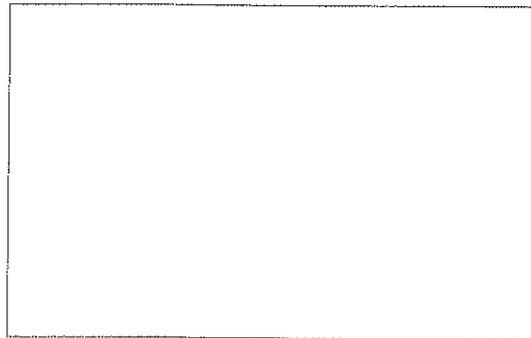


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▪ PRODUCT APPROVALS.....	26-57

Project Name: Waterfront Market



Location: Key West, FL

By: CA

Start Date: 09/11

Comments:

Local Information

Wind Dir.	Exposure
1	C
2	C
3	C
4	C

Basic Wind Speed: 150 mph

Topography: None

Optional Factors

This project uses load combinations
from ASCE 7.

Section - Main Section

Enclosure Classification: Enclosed

Building Category: II

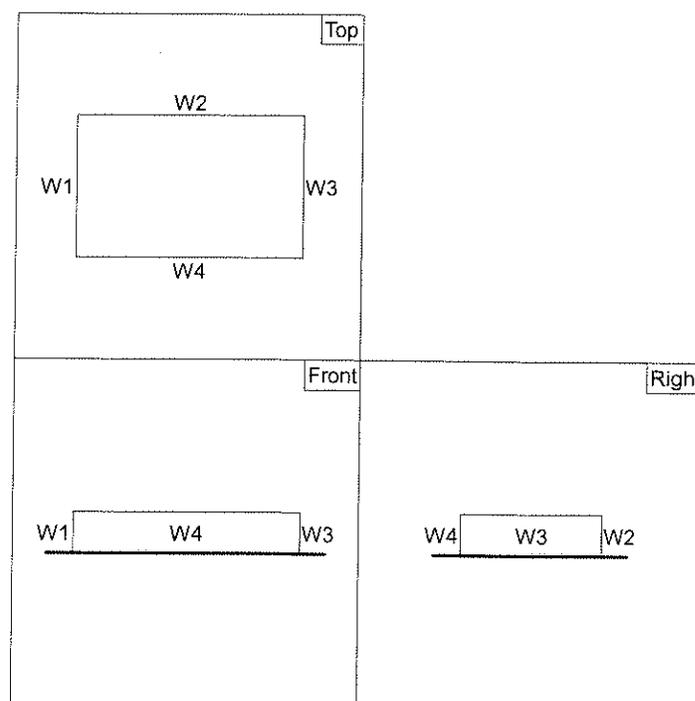
Wall	Length(ft)	Overhang(ft)
1	100.0	0.0
2	159.0	0.0
3	100.0	0.0
4	159.0	0.0

Eave Height: 29 ft

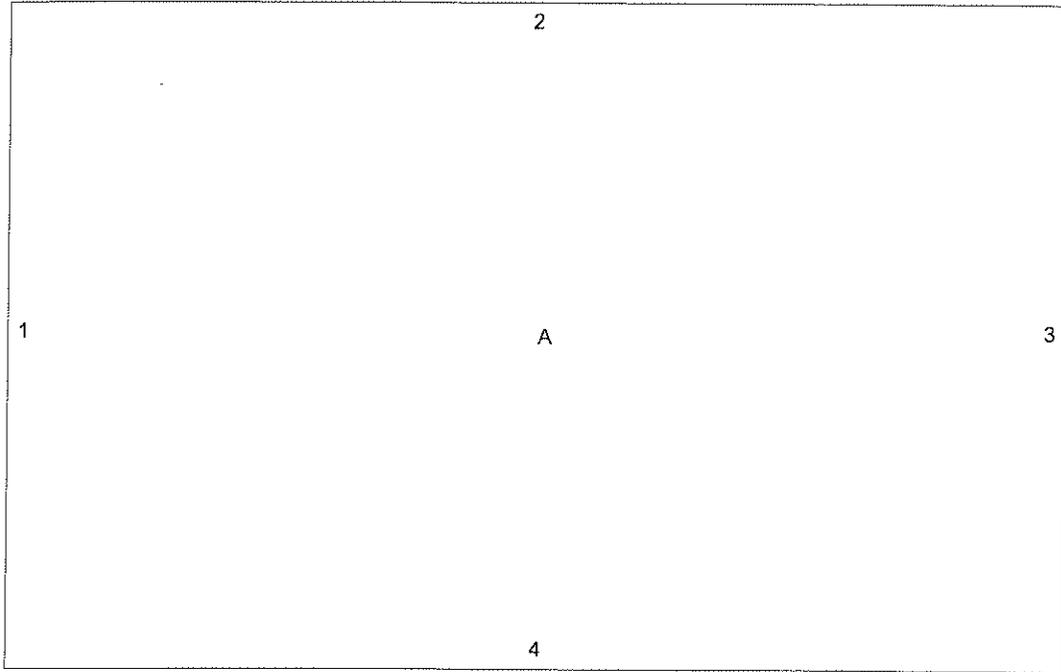
Parapet Height: 0 ft

Parapet Enclosure: Solid

Roof Shape: Flat



Composite Drawing



Components and Cladding Input

Component Description	Wall/Roof	Surface Label	Zone	Span(ft)	Width(ft)	Area(sqft)
Wall A>=10 sf	Wall	1	(All)			10
Wall A>=20 sf	Wall	1	(All)			20
Wall A>=30 sf	Wall	1	(All)			30
Wall A>=40 sf	Wall	1	(All)			40
Wall A>=50 sf	Wall	1	(All)			50
Wall A>=60 sf	Wall	1	(All)			60
Wall A>=70 sf	Wall	1	(All)			70
Wall A>=80 sf	Wall	1	(All)			80
Wall A>=90 sf	Wall	1	(All)			90
Wall A>=100 sf	Wall	1	(All)			100
Wall A>=200 sf	Wall	1	(All)			200
Wall A>=300 sf	Wall	1	(All)			300
Wall A>=400 sf	Wall	1	(All)			400
Wall A>=500 sf	Wall	1	(All)			500
Roof A>=10 sf	Roof	A	(All)			10
Roof A>=20 sf	Roof	A	(All)			20
Roof A>=30 sf	Roof	A	(All)			30
Roof A>=40 sf	Roof	A	(All)			40
Roof A>=50 sf	Roof	A	(All)			50
Roof A>=60 sf	Roof	A	(All)			60
Roof A>=70 sf	Roof	A	(All)			70
Roof A>=80 sf	Roof	A	(All)			80
Roof A>=90 sf	Roof	A	(All)			90
Roof A>=100 sf	Roof	A	(All)			100

Components and Cladding Output

Component Description	Surface	Zone	z(ft)	q(psf)	GCp	GCpi	ExtPres(psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
Wall A>=10 sf	1	4	29.0	47.7	0.90	0.18	42.9	34.3	51.5
			29.0	47.7	-0.99		-47.2	-55.8	-38.6
		5	29.0	47.7	0.90		42.9	34.3	51.5
			29.0	47.7	-1.26		-60.1	-68.7	-51.5
Wall A>=20 sf	1	4	29.0	47.7	0.85	0.18	40.5	32.0	49.1
			29.0	47.7	-0.94		-44.8	-53.4	-36.3
		5	29.0	47.7	0.85		40.5	32.0	49.1
			29.0	47.7	-1.16		-55.3	-63.9	-46.7
Wall A>=30 sf	1	4	29.0	47.7	0.82	0.18	39.1	30.5	47.7
			29.0	47.7	-0.91		-43.4	-52.0	-34.8
		5	29.0	47.7	0.82		39.1	30.5	47.7
			29.0	47.7	-1.11		-52.9	-61.5	-44.4
Wall A>=40 sf	1	4	29.0	47.7	0.80	0.18	38.2	29.6	46.7
			29.0	47.7	-0.89		-42.5	-51.0	-33.9
		5	29.0	47.7	0.80		38.2	29.6	46.7
			29.0	47.7	-1.07		-51.0	-59.6	-42.5
Wall A>=50 sf	1	4	29.0	47.7	0.79	0.18	37.7	29.1	46.3
			29.0	47.7	-0.88		-42.0	-50.6	-33.4
		5	29.0	47.7	0.79		37.7	29.1	46.3
			29.0	47.7	-1.04		-49.6	-58.2	-41.0
Wall A>=60 sf	1	4	29.0	47.7	0.78	0.18	37.2	28.6	45.8
			29.0	47.7	-0.87		-41.5	-50.1	-32.9
		5	29.0	47.7	0.78		37.2	28.6	45.8
			29.0	47.7	-1.01		-48.2	-56.8	-39.6
Wall A>=70 sf	1	4	29.0	47.7	0.77	0.18	36.7	28.1	45.3
			29.0	47.7	-0.86		-41.0	-49.6	-32.4
		5	29.0	47.7	0.77		36.7	28.1	45.3
			29.0	47.7	-0.99		-47.2	-55.8	-38.6
Wall A>=80 sf	1	4	29.0	47.7	0.76	0.18	36.3	27.7	44.8

Components and Cladding Output

Wall A>=80 sf	1	4	29.0	47.7	0.76	0.18	36.3	27.7	44.8
Component Description	Surface	Zone	z(ft)	q(psf)	GCp	GCpi	ExtPres(psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
Wall A>=80 sf	1	4	29.0	47.7	-0.85	0.18	-40.5	-49.1	-32.0
			29.0	47.7	0.76		36.3	27.7	44.8
		5	29.0	47.7	-0.97		-46.3	-54.9	-37.7
Wall A>=90 sf	1	4	29.0	47.7	0.75	0.18	35.8	27.2	44.4
			29.0	47.7	-0.84		-40.1	-48.7	-31.5
		5	29.0	47.7	0.75		35.8	27.2	44.4
			29.0	47.7	-0.96		-45.8	-54.4	-37.2
Wall A>=100 sf	1	4	29.0	47.7	0.74	0.18	35.3	26.7	43.9
			29.0	47.7	-0.83		-39.6	-48.2	-31.0
		5	29.0	47.7	0.74		35.3	26.7	43.9
			29.0	47.7	-0.94		-44.8	-53.4	-36.3
Wall A>=200 sf	1	4	29.0	47.7	0.69	0.18	32.9	24.3	41.5
			29.0	47.7	-0.78		-37.2	-45.8	-28.6
		5	29.0	47.7	0.69		32.9	24.3	41.5
			29.0	47.7	-0.85		-40.5	-49.1	-32.0
Wall A>=300 sf	1	4	29.0	47.7	0.67	0.18	32.0	23.4	40.5
			29.0	47.7	-0.76		-36.3	-44.8	-27.7
		5	29.0	47.7	0.67		32.0	23.4	40.5
			29.0	47.7	-0.79		-37.7	-46.3	-29.1
Wall A>=400 sf	1	4	29.0	47.7	0.65	0.18	31.0	22.4	39.6
			29.0	47.7	-0.74		-35.3	-43.9	-26.7
		5	29.0	47.7	0.65		31.0	22.4	39.6
			29.0	47.7	-0.75		-35.8	-44.4	-27.2
Wall A>=500 sf	1	4	29.0	47.7	0.63	0.18	30.1	21.5	38.6
			29.0	47.7	-0.72		-34.3	-42.9	-25.8
		5	29.0	47.7	0.63		30.1	21.5	38.6
			29.0	47.7	-0.72		-34.3	-42.9	-25.8
Roof A>=10 sf	A	1	29.0	47.7	0.30	0.18	14.3	5.7	22.9

Components and Cladding Output

Roof A>=10 sf	A	1	29.0	47.7	0.30	0.18	14.3	5.7	22.9
Component Description	Surface	Zone	z(ft)	q(psf)	GCp	GCpi	ExtPres(psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
Roof A>=10 sf	A	1	29.0	47.7	-1.00	0.18	-47.7	-56.3	-39.1
			29.0	47.7	0.30		14.3	5.7	22.9
		3	29.0	47.7	-1.80		-85.9	-94.4	-77.3
			29.0	47.7	0.30		14.3	5.7	22.9
			29.0	47.7	-2.80		-133.6	-142.1	-125.0
Roof A>=20 sf	A	1	29.0	47.7	0.27	0.18	12.9	4.3	21.5
			29.0	47.7	-0.97		-46.3	-54.9	-37.7
		2	29.0	47.7	0.27		12.9	4.3	21.5
			29.0	47.7	-1.59		-75.8	-84.4	-67.3
			29.0	47.7	0.27		12.9	4.3	21.5
3	29.0	47.7	-2.29		-109.2	-117.8	-100.6		
	29.0	47.7							
Roof A>=30 sf	A	1	29.0	47.7	0.25	0.18	11.9	3.3	20.5
			29.0	47.7	-0.95		-45.3	-53.9	-36.7
		2	29.0	47.7	0.25		11.9	3.3	20.5
			29.0	47.7	-1.47		-70.1	-78.7	-61.5
			29.0	47.7	0.25		11.9	3.3	20.5
3	29.0	47.7	-1.99		-94.9	-103.5	-86.3		
	29.0	47.7							
Roof A>=40 sf	A	1	29.0	47.7	0.24	0.18	11.4	2.9	20.0
			29.0	47.7	-0.94		-44.8	-53.4	-36.3
		2	29.0	47.7	0.24		11.4	2.9	20.0
			29.0	47.7	-1.38		-65.8	-74.4	-57.2
			29.0	47.7	0.24		11.4	2.9	20.0
3	29.0	47.7	-1.78		-84.9	-93.5	-76.3		
	29.0	47.7							
Roof A>=50 sf	A	1	29.0	47.7	0.23	0.18	11.0	2.4	19.6
			29.0	47.7	-0.93		-44.4	-52.9	-35.8
		2	29.0	47.7	0.23		11.0	2.4	19.6
			29.0	47.7	-1.31		-62.5	-71.1	-53.9
			29.0	47.7	0.23		11.0	2.4	19.6
3	29.0	47.7	-1.61		-76.8	-85.4	-68.2		
	29.0	47.7							
Roof A>=60 sf	A	1	29.0	47.7	0.22	0.18	10.5	1.9	19.1

Components and Cladding Output

Component Description	Surface	Zone	z(ft)	q(psf)	GCp	GCpi	ExtPres(psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
Roof A>=60 sf	A	1	29.0	47.7	-0.92	0.18	-43.9	-52.5	-35.3
			29.0	47.7	0.22		10.5	1.9	19.1
		3	29.0	47.7	-1.26		-60.1	-68.7	-51.5
			29.0	47.7	0.22		10.5	1.9	19.1
			29.0	47.7	-1.48		-70.6	-79.2	-62.0
Roof A>=70 sf	A	1	29.0	47.7	0.22	0.18	10.5	1.9	19.1
			29.0	47.7	-0.92		-43.9	-52.5	-35.3
		2	29.0	47.7	0.22		10.5	1.9	19.1
			29.0	47.7	-1.21		-57.7	-66.3	-49.1
		3	29.0	47.7	0.22		10.5	1.9	19.1
			29.0	47.7	-1.36		-64.9	-73.5	-56.3
Roof A>=80 sf	A	1	29.0	47.7	0.21	0.18	10.0	1.4	18.6
			29.0	47.7	-0.91		-43.4	-52.0	-34.8
		2	29.0	47.7	0.21		10.0	1.4	18.6
			29.0	47.7	-1.17		-55.8	-64.4	-47.2
		3	29.0	47.7	0.21		10.0	1.4	18.6
			29.0	47.7	-1.26		-60.1	-68.7	-51.5
Roof A>=90 sf	A	1	29.0	47.7	0.20	0.18	9.5	1.0	18.1
			29.0	47.7	-0.90		-42.9	-51.5	-34.3
		2	29.0	47.7	0.20		9.5	1.0	18.1
			29.0	47.7	-1.13		-53.9	-62.5	-45.3
		3	29.0	47.7	0.20		9.5	1.0	18.1
			29.0	47.7	-1.18		-56.3	-64.9	-47.7
Roof A>=100 sf	A	1	29.0	47.7	0.20	0.18	9.5	1.0	18.1
			29.0	47.7	-0.90		-42.9	-51.5	-34.3
		2	29.0	47.7	0.20		9.5	1.0	18.1
			29.0	47.7	-1.10		-52.5	-61.1	-43.9
		3	29.0	47.7	0.20		9.5	1.0	18.1
			29.0	47.7	-1.10		-52.5	-61.1	-43.9

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 1

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Windward Wall	15.0	41.6	0.86	0.80	0.18	28.6	20.0	37.2
		20.0	44.2		0.80		30.4	21.8	39.0
		25.0	46.3		0.80		31.9	23.3	40.4
		29.0	47.7		0.80		32.8	24.2	41.4
2	Side Wall	29.0	47.7	0.86	-0.70	0.18	-28.7	-37.3	-20.1
3	Leeward Wall	29.0	47.7	0.86	-0.38	0.18	-15.6	-24.2	-7.0
4	Side Wall	29.0	47.7	0.86	-0.70	0.18	-28.7	-37.3	-20.1
A	Roof	0 to 14.5 *	47.7	0.86	-0.90	0.18	-36.9	-45.5	-28.3
		14.5 to 29.0 *	47.7		-0.90		-36.9	-45.5	-28.3
		29.0 to 58.0 *	47.7		-0.50		-20.5	-29.1	-11.9
		58.0 to 159.0 *	47.7		-0.30		-12.3	-20.9	-3.7
		0 to 159.0 *	47.7		-0.18		-7.4	-16.0	1.2

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 2

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	29.0	47.7	0.85	-0.70	0.18	-28.4	-37.0	-19.8
2	Windward Wall	15.0	41.6		0.80		28.3	19.7	36.9
		20.0	44.2		0.80		30.1	21.5	38.6
		25.0	46.3		0.80		31.5	22.9	40.1
		29.0	47.7		0.80		32.4	23.8	41.0
3	Side Wall	29.0	47.7	0.85	-0.70	0.18	-28.4	-37.0	-19.8
4	Leeward Wall	29.0	47.7	0.85	-0.50	0.18	-20.3	-28.9	-11.7
A	Roof	0 to 14.5 *	47.7	0.85	-0.90	0.18	-36.5	-45.1	-27.9
		14.5 to 29.0 *	47.7		-0.90		-36.5	-45.1	-27.9
		29.0 to 58.0 *	47.7		-0.50		-20.3	-28.9	-11.7
		58.0 to 100.0 *	47.7		-0.30		-12.2	-20.7	-3.6
		0 to 100.0 *	47.7		-0.18		-7.3	-15.9	1.3

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 3

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Leeward Wall	29.0	47.7	0.86	-0.38	0.18	-15.6	-24.2	-7.0
2	Side Wall	29.0	47.7		-0.70		-28.7	-37.3	-20.1
3	Windward Wall	15.0	41.6	0.86	0.80	0.18	28.6	20.0	37.2
		20.0	44.2		0.80		30.4	21.8	39.0
		25.0	46.3		0.80		31.9	23.3	40.4
		29.0	47.7		0.80		32.8	24.2	41.4
4	Side Wall	29.0	47.7	0.86	-0.70	0.18	-28.7	-37.3	-20.1
A	Roof	0 to 14.5 *	47.7	0.86	-0.90	0.18	-36.9	-45.5	-28.3
		14.5 to 29.0 *	47.7		-0.90		-36.9	-45.5	-28.3
		29.0 to 58.0 *	47.7		-0.50		-20.5	-29.1	-11.9
		58.0 to 159.0 *	47.7		-0.30		-12.3	-20.9	-3.7
		0 to 159.0 *	47.7		-0.18		-7.4	-16.0	1.2

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

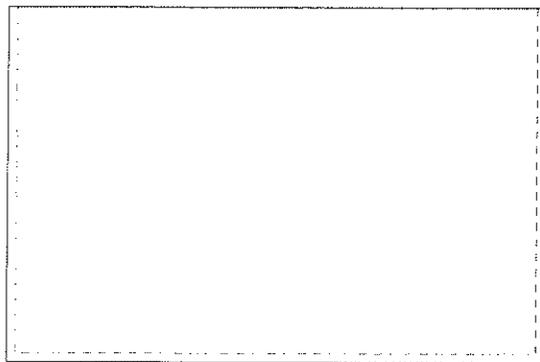
Wind Direction 4

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	29.0	47.7	0.85	-0.70	0.18	-28.4	-37.0	-19.8
2	Leeward Wall	29.0	47.7		-0.50		-20.3	-28.9	-11.7
3	Side Wall	29.0	47.7	0.85	-0.70	0.18	-28.4	-37.0	-19.8
4	Windward Wall	15.0	41.6	0.85	0.80	0.18	28.3	19.7	36.9
		20.0	44.2		0.80		30.1	21.5	38.6
		25.0	46.3		0.80		31.5	22.9	40.1
		29.0	47.7		0.80		32.4	23.8	41.0
A	Roof	0 to 14.5 *	47.7	0.85	-0.90	0.18	-36.5	-45.1	-27.9
		14.5 to 29.0 *	47.7		-0.90		-36.5	-45.1	-27.9
		29.0 to 58.0 *	47.7		-0.50		-20.3	-28.9	-11.7
		58.0 to 100.0 *	47.7		-0.30		-12.2	-20.7	-3.6
		0 to 100.0 *	47.7		-0.18		-7.3	-15.9	1.3

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

Project Name: Waterfront Market



Location: Key West, FL

By: CA

Start Date: 09/11

Comments: entry terrace

Local Information

Wind Dir.	Exposure
1	C
2	C
3	C
4	C

Basic Wind Speed: 150 mph

Topography: None

Optional Factors

This project uses load combinations
from ASCE 7.

Section - Main Section

Enclosure Classification: Enclosed

Building Category: II

Wall	Length(ft)	Overhang(ft)
1	20.17	0.5
2	30.33	0.0
3	20.17	0.5
4	30.33	0.5

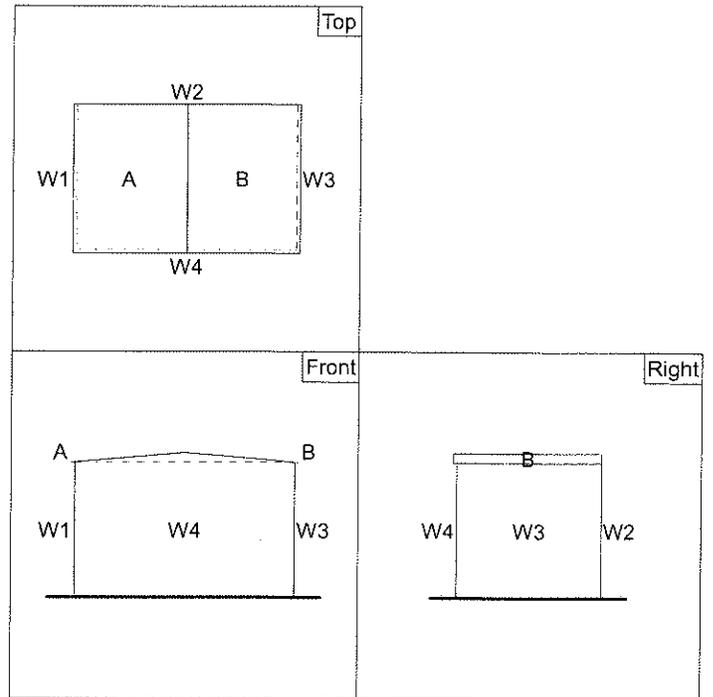
Eave Height: 18.67 ft

Parapet Height: 0 ft

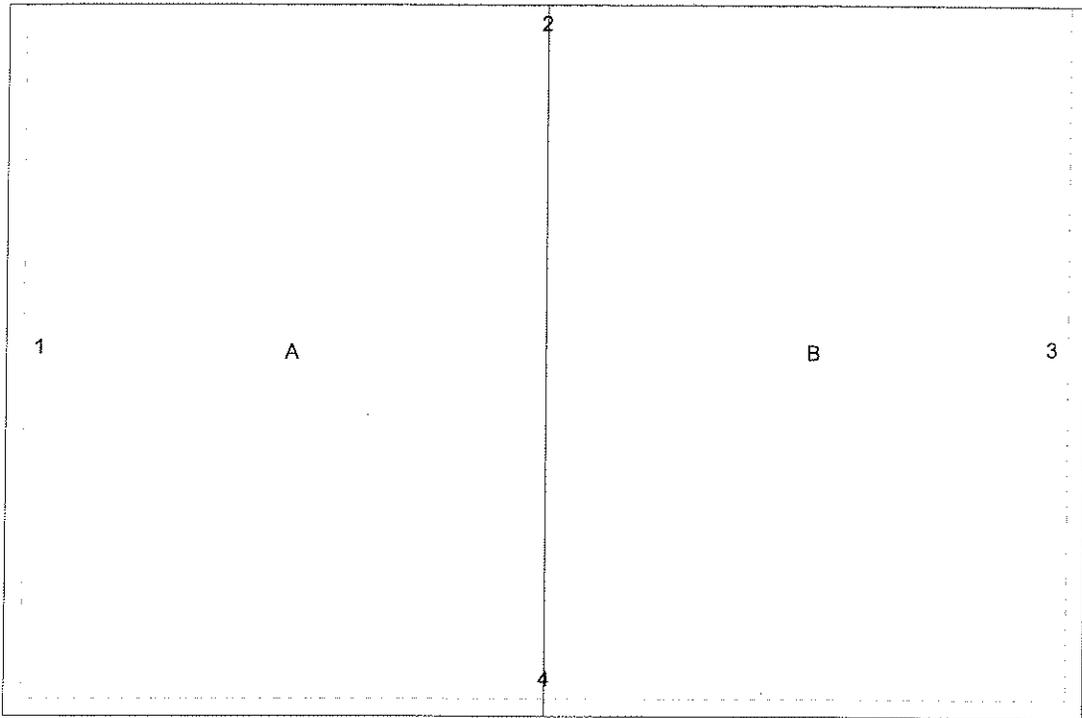
Parapet Enclosure: Solid

Roof Shape: Gabled

Roof	Slope(:12)
A&B	1.0



Composite Drawing



Components and Cladding Input

Component Description	Wall/Roof	Surface Label	Zone	Span(ft)	Width(ft)	Area(sqft)
Roof A>=10 sf	Roof	A	(All)			10
Roof A>=20 sf	Roof	A	(All)			20
Roof A>=30 sf	Roof	A	(All)			30
Roof A>=40 sf	Roof	A	(All)			40
Roof A>=50 sf	Roof	A	(All)			50
Roof A>=60 sf	Roof	A	(All)			60
Roof A>=70 sf	Roof	A	(All)			70
Roof A>=80 sf	Roof	A	(All)			80
Roof A>=90 sf	Roof	A	(All)			90
Roof A>=100 sf	Roof	A	(All)			100

Components and Cladding Output

Component Description	Surface	Zone	z(ft)	q(psf)	GCp	GCpi	ExtPres(psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
Roof A>=10 sf	A	1	18.7	43.5	0.30	0.18	13.1	5.2	20.9
			18.7	43.5	-1.00		-43.5	-51.3	-35.7
			18.7	43.5	-1.70	0	-74.0		
		2	18.7	43.5	0.30	0.18	13.1	5.2	20.9
			18.7	43.5	-1.80		-78.3	-86.1	-70.5
			18.7	43.5	-1.70	0	-74.0		
		3	18.7	43.5	0.30	0.18	13.1	5.2	20.9
			18.7	43.5	-2.80		-121.8	-129.6	-114.0
			18.7	43.5		0	-121.8		
Roof A>=20 sf	A	1	18.7	43.5	0.27	0.18	11.7	3.9	19.6
			18.7	43.5	-0.97		-42.2	-50.0	-34.4
			18.7	43.5	-1.67	0	-72.6		
		2	18.7	43.5	0.27	0.18	11.7	3.9	19.6
			18.7	43.5	-1.59		-69.2	-77.0	-61.3
			18.7	43.5	-1.67	0	-72.6		
		3	18.7	43.5	0.27	0.18	11.7	3.9	19.6
			18.7	43.5	-2.29		-99.6	-107.4	-91.8
			18.7	43.5	-2.20	0	-95.7		
Roof A>=30 sf	A	1	18.7	43.5	0.25	0.18	10.9	3.0	18.7
			18.7	43.5	-0.95		-41.3	-49.2	-33.5
			18.7	43.5	-1.65	0	-71.8		
		2	18.7	43.5	0.25	0.18	10.9	3.0	18.7
			18.7	43.5	-1.47		-63.9	-71.8	-56.1
			18.7	43.5	-1.65	0	-71.8		
		3	18.7	43.5	0.25	0.18	10.9	3.0	18.7
			18.7	43.5	-1.99		-86.6	-94.4	-78.7
			18.7	43.5	-1.85	0	-80.5		
Roof A>=40 sf	A	1	18.7	43.5	0.24	0.18	10.4	2.6	18.3
			18.7	43.5	-0.94		-40.9	-48.7	-33.1
			18.7	43.5	-1.64	0	-71.3		
		2	18.7	43.5	0.24	0.18	10.4	2.6	18.3
			18.7	43.5	-1.38		-60.0	-67.9	-52.2
			18.7	43.5	-1.64	0	-71.3		

Components and Cladding Output

Component Description	Surface	Zone	z(ft)	q(psf)	GCp	GCpi	ExtPres(psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
Roof A>=40 sf	A	3	18.7	43.5	-1.64	0	-71.3		
			18.7	43.5	0.24	0.18	10.4	2.6	18.3
			18.7	43.5	-1.78		-77.4	-85.3	-69.6
Roof A>=50 sf	A	1	18.7	43.5	0.23	0.18	10.0	2.2	17.8
			18.7	43.5	-0.93		-40.5	-48.3	-32.6
			18.7	43.5	-1.63	0	-70.9		
		2	18.7	43.5	0.23	0.18	10.0	2.2	17.8
			18.7	43.5	-1.31		-57.0	-64.8	-49.2
			18.7	43.5	-1.63	0	-70.9		
		3	18.7	43.5	0.23	0.18	10.0	2.2	17.8
			18.7	43.5	-1.61		-70.0	-77.9	-62.2
			18.7	43.5	-1.40	0	-60.9		
Roof A>=60 sf	A	1	18.7	43.5	0.22	0.18	9.6	1.7	17.4
			18.7	43.5	-0.92		-40.0	-47.9	-32.2
			18.7	43.5	-1.62	0	-70.5		
		2	18.7	43.5	0.22	0.18	9.6	1.7	17.4
			18.7	43.5	-1.26		-54.8	-62.6	-47.0
			18.7	43.5	-1.62	0	-70.5		
		3	18.7	43.5	0.22	0.18	9.6	1.7	17.4
			18.7	43.5	-1.48		-64.4	-72.2	-56.5
			18.7	43.5	-1.24	0	-53.9		
Roof A>=70 sf	A	1	18.7	43.5	0.22	0.18	9.6	1.7	17.4
			18.7	43.5	-0.92		-40.0	-47.9	-32.2
			18.7	43.5	-1.62	0	-70.5		
		2	18.7	43.5	0.22	0.18	9.6	1.7	17.4
			18.7	43.5	-1.21		-52.6	-60.5	-44.8
			18.7	43.5	-1.62	0	-70.5		
		3	18.7	43.5	0.22	0.18	9.6	1.7	17.4
			18.7	43.5	-1.36		-59.2	-67.0	-51.3
			18.7	43.5	-1.11	0	-48.3		
Roof A>=80 sf	A	1	18.7	43.5	0.21	0.18	9.1	1.3	17.0

Components and Cladding Output

Component Description	Surface	Zone	z(ft)	q(psf)	GCp	GCpi	ExtPres(psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
Roof A>=80 sf	A	1	18.7	43.5	-0.91	0.18	-39.6	-47.4	-31.8
			18.7	43.5	-1.61	0	-70.0		
		2	18.7	43.5	0.21	0.18	9.1	1.3	17.0
			18.7	43.5	-1.17		-50.9	-58.7	-43.1
		3	18.7	43.5	-1.61	0	-70.0		
			18.7	43.5	0.21	0.18	9.1	1.3	17.0
			18.7	43.5	-1.26		-54.8	-62.6	-47.0
Roof A>=90 sf	A	1	18.7	43.5	0.20	0.18	8.7	0.9	16.5
			18.7	43.5	-0.90		-39.2	-47.0	-31.3
			18.7	43.5	-1.60	0	-69.6		
		2	18.7	43.5	0.20	0.18	8.7	0.9	16.5
			18.7	43.5	-1.13		-49.2	-57.0	-41.3
			18.7	43.5	-1.60	0	-69.6		
		3	18.7	43.5	0.20	0.18	8.7	0.9	16.5
			18.7	43.5	-1.18		-51.3	-59.2	-43.5
			18.7	43.5	-0.89	0	-38.7		
Roof A>=100 sf	A	1	18.7	43.5	0.20	0.18	8.7	0.9	16.5
			18.7	43.5	-0.90		-39.2	-47.0	-31.3
			18.7	43.5	-1.60	0	-69.6		
		2	18.7	43.5	0.20	0.18	8.7	0.9	16.5
			18.7	43.5	-1.10		-47.9	-55.7	-40.0
			18.7	43.5	-1.60	0	-69.6		
		3	18.7	43.5	0.20	0.18	8.7	0.9	16.5
			18.7	43.5	-1.10		-47.9	-55.7	-40.0
			18.7	43.5	-0.80	0	-34.8		

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 1

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Windward Wall	15.0	41.6	0.89	0.80	0.18	29.6	21.8	37.4
		18.7	43.5		0.80		31.0	23.1	38.8
	Overhang Top	18.7	43.5		-0.97	0	-37.6		
	Overhang Bot	18.7	43.5		0.80		31.0		
2	Side Wall	18.7	43.5	0.89	-0.70	0.18	-27.1	-34.9	-19.3
3	Leeward Wall	18.7	43.5	0.89	-0.40	0.18	-15.5	-23.3	-7.7
4	Side Wall	18.7	43.5	0.89	-0.70	0.18	-27.1	-34.9	-19.3
A&B	Roof	0 to 9.3 *	43.5	0.89	-0.97	0.18	-37.6	-45.4	-29.7
		9.3 to 18.7 *	43.5		-0.85		-32.9	-40.7	-25.1
		18.7 to 30.3 *	43.5		-0.55		-21.3	-29.1	-13.5
		0 to 30.3 *	43.5		-0.18		-7.0	-14.8	0.9

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 2

#	Surface	z (ft)	q (psf)	G	C _p	GC _{pi}	Ext Pres (psf)	Net w/ +GC _{pi} (psf)	Net w/ -GC _{pi} (psf)
1	Side Wall	18.7	43.5	0.89	-0.70	0.18	-27.1	-34.9	-19.3
2	Windward Wall	15.0	41.6		0.80		29.6	21.8	37.4
		18.7	43.5		0.80		31.0	23.1	38.8
		19.9	44.1		0.80		31.4	23.6	39.2
3	Side Wall	18.7	43.5	0.89	-0.70	0.18	-27.1	-34.9	-19.3
4	Leeward Wall	18.7	43.5	0.89	-0.50	0.18	-19.4	-27.2	-11.5
A&B Roof		0 to 9.3 *	43.5	0.89	-1.12	0.18	-43.4	-51.2	-35.5
		9.3 to 18.7 *	43.5		-0.73		-28.3	-36.1	-20.4
		18.7 to 20.2 *	43.5		-0.67		-25.9	-33.8	-18.1
		0 to 20.2 *	43.5		-0.18		-7.0	-14.8	0.9

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 3

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Leeward Wall	18.7	43.5	0.89	-0.40	0.18	-15.5	-23.3	-7.7
2	Side Wall	18.7	43.5		-0.70		-27.1	-34.9	-19.3
3	Windward Wall	15.0	41.6	0.89	0.80	0.18	29.6	21.8	37.4
		18.7	43.5		0.80		31.0	23.1	38.8
	Overhang Top	18.7	43.5		-0.97	0	-37.6		
	Overhang Bot	18.7	43.5		0.80		31.0		
	4	Side Wall	18.7	43.5	0.89	-0.70	0.18	-27.1	-34.9
A&B Roof		0 to 9.3 *	43.5	0.89	-0.97	0.18	-37.6	-45.4	-29.7
		9.3 to 18.7 *	43.5		-0.85		-32.9	-40.7	-25.1
		18.7 to 30.3 *	43.5		-0.55		-21.3	-29.1	-13.5
		0 to 30.3 *	43.5		-0.18		-7.0	-14.8	0.9

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 4

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	18.7	43.5	0.89	-0.70	0.18	-27.1	-34.9	-19.3
2	Leeward Wall	18.7	43.5		-0.50		-19.4	-27.2	-11.5
3	Side Wall	18.7	43.5	0.89	-0.70	0.18	-27.1	-34.9	-19.3
4	Windward Wall	15.0	41.6	0.89	0.80	0.18	29.6	21.8	37.4
		18.7	43.5		0.80		31.0	23.1	38.8
		19.9	44.1		0.80		31.4	23.6	39.2
	Overhang Top	18.7	43.5		-1.12	0	-43.4		
	Overhang Bot	18.7	43.5		0.80		31.0		
A&B Roof		0 to 9.3 *	43.5	0.89	-1.12	0.18	-43.4	-51.2	-35.5
		9.3 to 18.7 *	43.5		-0.73		-28.3	-36.1	-20.4
		18.7 to 20.2 *	43.5		-0.67		-25.9	-33.8	-18.1
		0 to 20.2 *	43.5		-0.18		-7.0	-14.8	0.9

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

www.buildingcodeonline.com

YKK AP America, Inc.
332 Firetower Road
Dublin, GA 31021

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series YHS-50 FS Flush Glazed Aluminum Storefront System – L.M.I.
(w/ and w/o Steel Reinforcement)

APPROVAL DOCUMENT: Drawing No. **W01-47**, titled "YHS-50 FS Alum. Flush Glaze Storefront Sys. (L.M.)", sheets 1 through 9 of 9, dated 07/25/01 with revision C dated 08/18/06, prepared by Al Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA # 02-0215.16 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 06-1026.08
Expiration Date: August 15, 2012
Approval Date: December 28, 2006
Page 1

YKK AP America, Inc.NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **W01-47**, Sheets 1 through 9 of 9, titled "YHS-50 FS Alum. Flush Glaze Storefront Sys. (L.M.)", dated 07/25/01 with revision C dated 08/18/06, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Large Missile Impact Test, SFBC PA 201-94
 - 5) Cyclic Loading Test, per SFBC PA 203-94
 along with installation diagram of an aluminum storefront system with no jamb anchors, marked-up by National Certified Testing Laboratories, Inc. Test Reports Nos. **NCTL-210-2627-3** and **4**, dated 12/11/00 and 12/19/00 respectively, signed and sealed by Barry D. Portnoy, P.E. (This test report has been revised per addendum letter dated June 20, 2002 issued by National Certified Testing Laboratories, Inc, signed and sealed by Barry D. Portnoy, P.E.
(Submitted under NOA #02-0215.16)
2. Test reports on
 - 1) Large Missile Impact Test
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 along with additional supporting evidence of an aluminum storefront system marked-up by Hurricane Test Laboratory, LLC, Test Reports Nos. **HTL-0231-0111-05**, dated 02/10/05, signed and sealed by Vinu Abraham, P.E.
(Submitted under NOA #02-0215.16)

C. CALCULATIONS:

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 09/02/06, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-02
2. Anchor Calculations and structural analysis, prepared by Al-Farooq Corporation, dated 11-12-01, 06-14-02 and 07-18-02, signed and sealed by Dr. Humayoun Farooq, P.E.
(Submitted under NOA #02-0215.16)

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).


 Manuel Perez, P.E.
 Product Control Examiner
 NOA No. 06-1026.08
 Expiration Date: August 15, 2012
 Approval Date: December 28, 2006

YKK AP America, Inc.NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc, for “Saflex /Keepsafe Max”, expiring on 05/21/2006.
2. Notice of Acceptance No. **00-1212.04** issued to E.I. Dupont De Nemour. for “Dupont Butacite PVB”, expiring on 12/11/2005.
3. Notice of Acceptance No. **03-0421.01** issued to Solutia Inc. for their “**Saflex HP a polyvinyl butyral interlayer for lamination of glass.**” dated 05/22/03, expiring on 04/14/08.

F. STATEMENTS

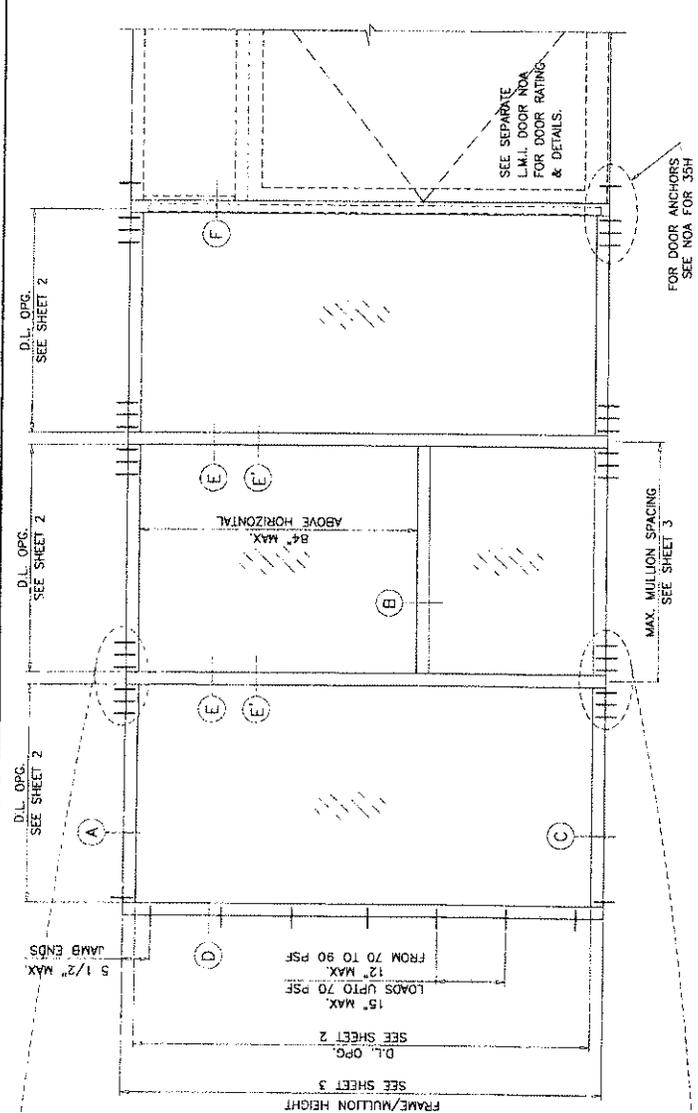
1. Statement letter of conformance, dated September 2, 2006, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated September 2, 2006, signed and sealed by Humayoun Farooq, P.E.

G. OTHER

1. Notice of Acceptance No. **02-0215.16**, issued to YKK AP America for their Series “YHS-50” Aluminum Glazed Storefront System-Impact, approved on 08/15/02 and expiring on 08/15/07.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 06-1026.08
Expiration Date: August 15, 2012
Approval Date: December 28, 2006

<p>AL-FAROO CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1236 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL: (305) 284-8100 FAX: (305) 282-8978</p>	<p>YKX AP AMERICA INC. 332 FLETCHER ROAD DUBLIN, GEORGIA 31021 TEL: (478) 277-1955 FAX: (478) 277-1978</p>	<p>REVISED FOR 2004 FBC REV. PER BCCO COMMENTS REV. PER BCCO COMMENTS DATE: 07-25-01 BY: DESCRIPTION</p>	<p>DATE: 07-25-01 SCALE: 1/2" = 1'-0" DRAWING NO. W01-47 SHEET 1 OF 9</p>
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TYPICAL ELEVATION

SERIES YHS-50_FS
ALUMINUM FLUSH GLAZED STOREFRONT SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH OUTSWING ENTRANCE DOORS MODEL 35H. THIS SYSTEM IS RATED FOR LARGE MISSILE IMPACT. SHUTTERS NOT REQUIRED. CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED FOR ANY KIND OF GLASS BEING USED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ). WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL. A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

INSTRUCTIONS:

- USE CHARTS AS FOLLOWS:
- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
 - STEP 2** SEE CHARTS ON SHEETS 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.
 - STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3
 - STEP 4** USING CHART ON SHEETS 4 OR 5 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
 - STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

LAMINATED GLASS
LARGE MISSILE IMPACT

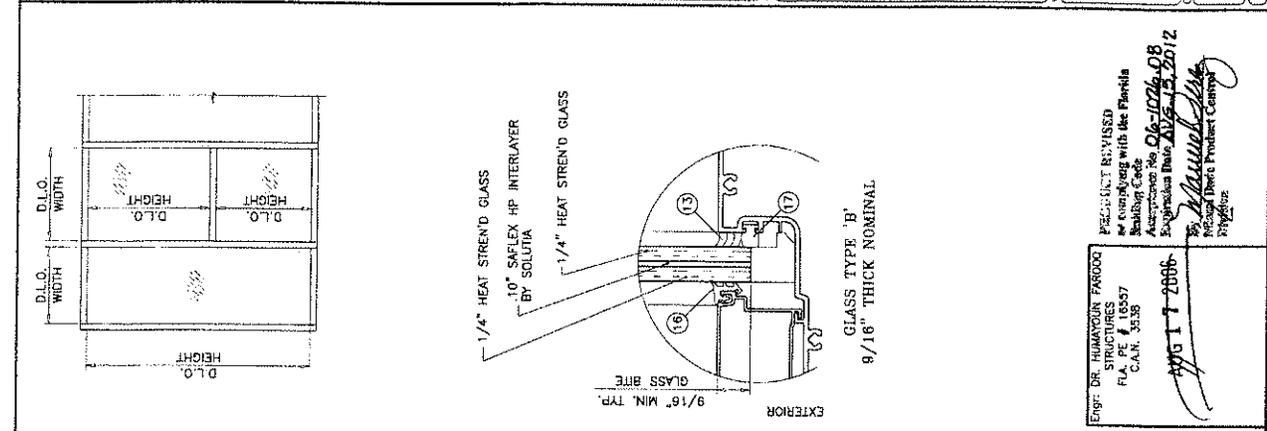
Eng: DR. HUMAYOUN FAROOQ
STRUCTURES
P.L.L.C. N. 3518
AUG 7 2006

PRODUCT REVISED
as per meeting with the Florida
Building Code Dept. on 06-10-06
Approved by: [Signature]
Expiration Date: 06-10-2012
By: [Signature]
[Signature]
[Signature]

AL-FAROOD CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100
FAX (305) 262-6978

YKK AP AMERICA INC.
332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021
TEL (478) 277-1955 FAX (478) 277-1928

YHS-50 FS ALUM FLUSH GLAZE STOREFRONT SYS. (L.M.)
REVISED FOR 2004 PRC
DATE: 08.18.08
BY: [Signature]
SCALE: 1/8" = 1'-0"
DRAWING NO: W01-47
DATE: 07-25-01



GLASS DESIGN LOAD CAPACITY - PSF		GLASS TYPE 'A'		GLASS TYPE 'B'	
NOMINAL DIMS.		CLASS TYPE 'A'		CLASS TYPE 'B'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	60"	65.0	65.0	90.0	90.0
42"	60"	65.0	65.0	90.0	90.0
48"	60"	65.0	65.0	90.0	90.0
54"	60"	65.0	65.0	90.0	90.0
60"	60"	65.0	65.0	90.0	90.0
66"	60"	65.0	65.0	90.0	90.0
72"	60"	65.0	65.0	90.0	90.0
36"	80-7/8"	65.0	65.0	90.0	90.0
42"	80-7/8"	65.0	65.0	90.0	90.0
48"	80-7/8"	65.0	65.0	90.0	90.0
54"	80-7/8"	65.0	65.0	90.0	90.0
60"	80-7/8"	65.0	65.0	90.0	90.0
66"	80-7/8"	65.0	65.0	90.0	90.0
72"	80-7/8"	65.0	65.0	90.0	90.0
36"	84"	65.0	65.0	90.0	90.0
42"	84"	65.0	65.0	90.0	90.0
48"	84"	65.0	65.0	90.0	90.0
54"	84"	65.0	65.0	90.0	90.0
60"	84"	65.0	65.0	90.0	90.0
66"	84"	65.0	65.0	90.0	90.0
72"	84"	65.0	65.0	90.0	90.0
36"	90"	65.0	65.0	90.0	90.0
42"	90"	65.0	65.0	90.0	90.0
48"	90"	65.0	65.0	90.0	90.0
54"	90"	65.0	65.0	90.0	90.0
60"	90"	65.0	65.0	90.0	90.0
66"	90"	65.0	65.0	90.0	90.0
72"	90"	65.0	65.0	90.0	90.0
36"	96"	65.0	65.0	90.0	90.0
42"	96"	65.0	65.0	90.0	90.0
48"	96"	65.0	65.0	90.0	90.0
54"	96"	65.0	65.0	90.0	90.0
60"	96"	65.0	65.0	90.0	90.0
66"	96"	65.0	65.0	90.0	90.0
72"	96"	65.0	65.0	90.0	90.0
36"	102"	65.0	65.0	90.0	90.0
42"	102"	65.0	65.0	90.0	90.0
48"	102"	65.0	65.0	90.0	90.0
54"	102"	65.0	65.0	90.0	90.0
60"	102"	65.0	65.0	90.0	90.0
66"	102"	65.0	65.0	90.0	90.0
72"	102"	65.0	65.0	90.0	90.0
36"	108"	65.0	65.0	90.0	90.0
42"	108"	65.0	65.0	90.0	90.0
48"	108"	65.0	65.0	90.0	90.0
54"	108"	65.0	65.0	90.0	90.0
60"	108"	65.0	65.0	90.0	90.0
66"	108"	65.0	65.0	90.0	90.0
72"	108"	65.0	65.0	90.0	90.0
36"	114-3/8"	65.0	65.0	90.0	90.0
42"	114-3/8"	65.0	65.0	90.0	90.0
48"	114-3/8"	65.0	65.0	90.0	90.0
54"	114-3/8"	65.0	65.0	90.0	90.0
60"	114-3/8"	65.0	65.0	90.0	90.0
66"	114-3/8"	65.0	65.0	90.0	90.0
72"	114-3/8"	65.0	65.0	90.0	90.0
36"	120"	65.0	65.0	90.0	90.0
42"	120"	65.0	65.0	90.0	90.0
48"	120"	65.0	65.0	90.0	90.0
54"	120"	65.0	65.0	90.0	90.0

GLASS DESIGN LOAD CAPACITY - PSF		GLASS TYPE 'A'		GLASS TYPE 'B'	
NOMINAL DIMS.		CLASS TYPE 'A'		CLASS TYPE 'B'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	60"	80.0	80.0	90.0	90.0
42"	60"	80.0	80.0	90.0	90.0
48"	60"	80.0	80.0	90.0	90.0
54"	60"	80.0	80.0	90.0	90.0
60"	60"	80.0	80.0	90.0	90.0
66"	60"	80.0	80.0	90.0	90.0
72"	60"	80.0	80.0	90.0	90.0
36"	80-7/8"	80.0	80.0	90.0	90.0
42"	80-7/8"	80.0	80.0	90.0	90.0
48"	80-7/8"	80.0	80.0	90.0	90.0
54"	80-7/8"	80.0	80.0	90.0	90.0
60"	80-7/8"	80.0	80.0	90.0	90.0
66"	80-7/8"	80.0	80.0	90.0	90.0
72"	80-7/8"	80.0	80.0	90.0	90.0
36"	84"	80.0	80.0	90.0	90.0
42"	84"	80.0	80.0	90.0	90.0
48"	84"	80.0	80.0	90.0	90.0
54"	84"	80.0	80.0	90.0	90.0
60"	84"	80.0	80.0	90.0	90.0
66"	84"	80.0	80.0	90.0	90.0
72"	84"	80.0	80.0	90.0	90.0
36"	90"	80.0	80.0	90.0	90.0
42"	90"	80.0	80.0	90.0	90.0
48"	90"	80.0	80.0	90.0	90.0
54"	90"	80.0	80.0	90.0	90.0
60"	90"	80.0	80.0	90.0	90.0
66"	90"	80.0	80.0	90.0	90.0
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48"	96"	80.0	80.0	90.0	90.0
54"	96"	80.0	80.0	90.0	90.0
60"	96"	80.0	80.0	90.0	90.0
66"	96"	80.0	80.0	90.0	90.0
72"	96"	80.0	80.0	90.0	90.0
36"	102"	80.0	80.0	90.0	90.0
42"	102"	80.0	80.0	90.0	90.0
48"	102"	80.0	80.0	90.0	90.0
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42"	108"	80.0	80.0	90.0	90.0
48"	108"	80.0	80.0	90.0	90.0
54"	108"	80.0	80.0	90.0	90.0
60"	108"	80.0	80.0	90.0	90.0
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54"	114-3/8"	80.0	80.0	90.0	90.0
60"	114-3/8"	80.0	80.0	90.0	90.0
66"	114-3/8"	80.0	80.0	90.0	90.0
72"	114-3/8"	80.0	80.0	90.0	90.0
36"	120"	80.0	80.0	90.0	90.0
42"	120"	80.0	80.0	90.0	90.0
48"	120"	80.0	80.0	90.0	90.0
54"	120"	80.0	80.0	90.0	90.0

GLASS DESIGN LOAD CAPACITY - PSF		GLASS TYPE 'A'		GLASS TYPE 'B'	
NOMINAL DIMS.		CLASS TYPE 'A'		CLASS TYPE 'B'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	60"	65.0	65.0	90.0	90.0
42"	60"	65.0	65.0	90.0	90.0
48"	60"	65.0	65.0	90.0	90.0
54"	60"	65.0	65.0	90.0	90.0
60"	60"	65.0	65.0	90.0	90.0
66"	60"	65.0	65.0	90.0	90.0
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60"	80-7/8"	65.0	65.0	90.0	90.0
66"	80-7/8"	65.0	65.0	90.0	90.0
72"	80-7/8"	65.0	65.0	90.0	90.0
36"	84"	65.0	65.0	90.0	90.0
42"	84"	65.0	65.0	90.0	90.0
48"	84"	65.0	65.0	90.0	90.0
54"	84"	65.0	65.0	90.0	90.0
60"	84"	65.0	65.0	90.0	90.0
66"	84"	65.0	65.0	90.0	90.0
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54"	96"	65.0	65.0	90.0	90.0
60"	96"	65.0	65.0	90.0	90.0
66"	96"	65.0	65.0	90.0	90.0
72"	96"	65.0	65.0	90.0	90.0
36"	102"	65.0	65.0	90.0	90.0
42"	102"	65.0	65.0	90.0	90.0
48"	102"	65.0	65.0	90.0	90.0
54"	102"	65.0	65.0	90.0	90.0
60"	102"	65.0	65.0	90.0	90.0
66"	102"	65.0	65.0	90.0	90.0
72"	102"	65.0	65.0	90.0	90.0
36"	108"	65.0	65.0	90.0	90.0
42"	108"	65.0	65.0	90.0	90.0
48"	108"	65.0	65.0	90.0	90.0
54"	108"	65.0	65.0	90.0	90.0
60"	108"	65.0	65.0	90.0	90.0
66"	108"	65.0	65.0	90.0	90.0
72"	108"	65.0	65.0	90.0	90.0
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42"	114-3/8"	65.0	65.0	90.0	90.0
48"	114-3/8"	65.0	65.0	90.0	90.0
54"	114-3/8"	65.0	65.0	90.0	90.0
60"	114-3/8"	65.0	65.0	90.0	90.0
66"	114-3/8"	65.0	65.0	90.0	90.0
72"	114-3/8"	65.0	65.0	90.0	90.0
36"	120"	65.0	65.0	90.0	90.0
42"	120"	65.0	65.0	90.0	90.0
48"	120"	65.0	65.0	90.0	90.0
54"	120"	65.0	65.0	90.0	90.0

ENGINEER: DR. HANAYOUN FAROOD
STRUCTURES
FLA. PE # 16357
C.A.N. 3538
APPROVED: [Signature]
DATE: 06-10-08
REVISED: 05-15-2012

GLASS CAPACITIES ON THIS CHART ARE BASED ON
ASTM E1300-02 (3 SEC. GUSTS).

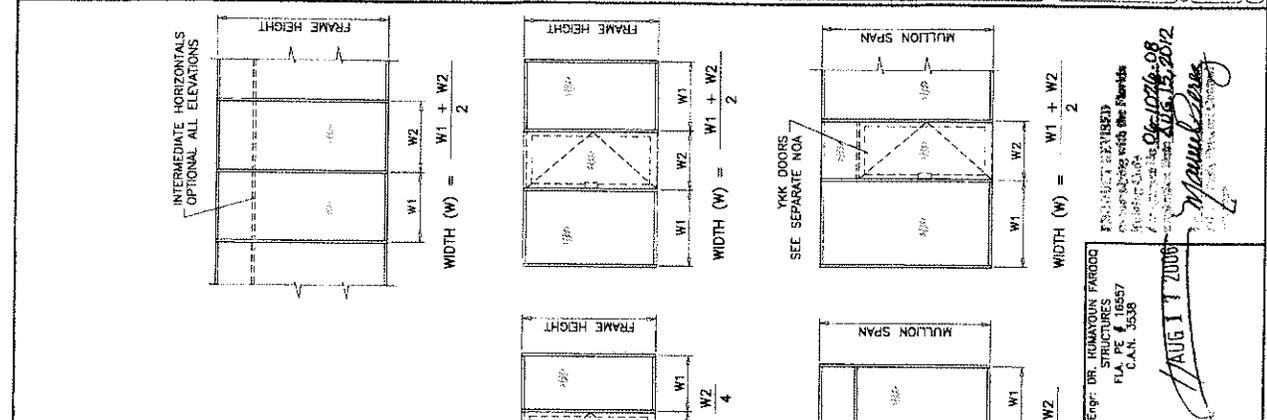
GLASS CAPACITIES ON THIS CHART ARE BASED ON
ASTM E1300-98 (60 SEC. WIND)

GLASS CAPACITIES ON THIS CHART ARE BASED ON
A: ASTM E1300-98 (60 SEC. WIND)
B: ASTM E1300-02 (3 SEC. GUSTS).

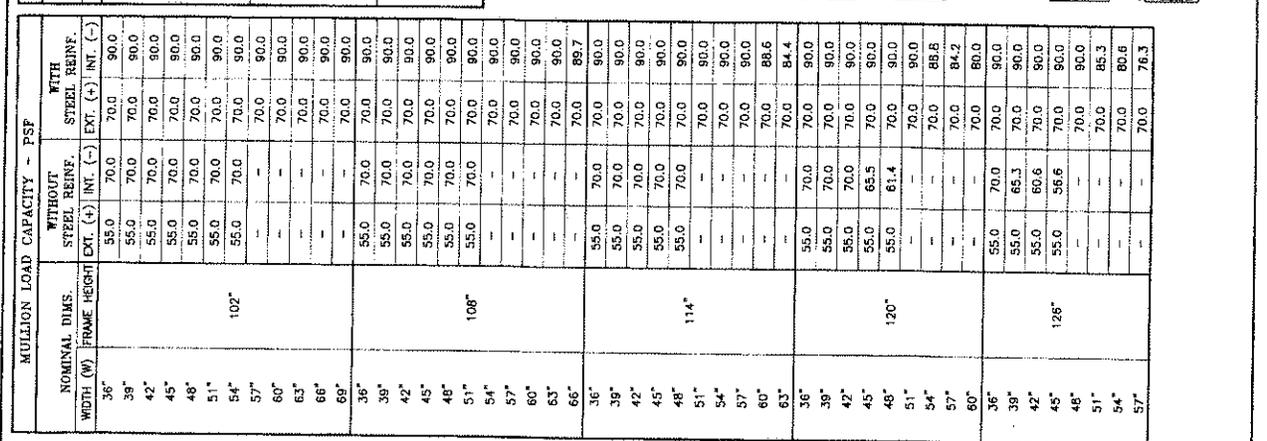
AL-FAROOD CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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YKR AP AMERICA INC.
332 FLETCHER ROAD
DUBLIN, GEORGIA 31021
TEL (478) 277-1955 FAX (478) 277-1978

YKS-50 FS ALUM FLUSH GLAZE STOREFRONT SYS. (L.M.)
Updated for 2004 FBC
No date 08.18.06
Revised by: HAMD
Date: 07-25-01
Drawing no: W01-47
Sheet 3 of 9



MULLION LOAD CAPACITY - PSF		WITHOUT STEEL REINF.		WITH STEEL REINF.	
NOMINAL DIMS.	FRAME HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"		55.0	61.5	70.0	90.0
39"		55.0	56.8	70.0	90.0
42"		52.7	52.7	70.0	90.0
45"	132"	55.0	70.0	70.0	90.0
48"		55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"	138"	55.0	49.7	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		55.0	70.0	70.0	90.0
72"		55.0	70.0	70.0	90.0
75"		55.0	70.0	70.0	90.0
78"		55.0	70.0	70.0	90.0
81"		55.0	70.0	70.0	90.0
84"	144"	55.0	47.4	70.0	90.0
87"		55.0	43.7	70.0	90.0
90"		55.0	70.0	70.0	90.0
93"		55.0	70.0	70.0	90.0
96"		55.0	70.0	70.0	90.0
99"		55.0	70.0	70.0	90.0
102"		55.0	70.0	70.0	90.0
105"		55.0	70.0	70.0	90.0
108"		55.0	70.0	70.0	90.0
111"		55.0	70.0	70.0	90.0
114"		55.0	70.0	70.0	90.0
117"		55.0	70.0	70.0	90.0
120"		55.0	70.0	70.0	90.0
123"		55.0	70.0	70.0	90.0
126"		55.0	70.0	70.0	90.0
129"		55.0	70.0	70.0	90.0
132"		55.0	70.0	70.0	90.0
135"		55.0	70.0	70.0	90.0
138"		55.0	70.0	70.0	90.0
141"		55.0	70.0	70.0	90.0
144"		55.0	70.0	70.0	90.0
147"		55.0	70.0	70.0	90.0
150"		55.0	70.0	70.0	90.0
153"		55.0	70.0	70.0	90.0
156"		55.0	70.0	70.0	90.0
159"		55.0	70.0	70.0	90.0
162"		55.0	70.0	70.0	90.0
165"		55.0	70.0	70.0	90.0
168"		55.0	70.0	70.0	90.0
171"		55.0	70.0	70.0	90.0
174"		55.0	70.0	70.0	90.0
177"		55.0	70.0	70.0	90.0
180"		55.0	70.0	70.0	90.0
183"		55.0	70.0	70.0	90.0
186"		55.0	70.0	70.0	90.0
189"		55.0	70.0	70.0	90.0
192"		55.0	70.0	70.0	90.0
195"		55.0	70.0	70.0	90.0
198"		55.0	70.0	70.0	90.0
201"		55.0	70.0	70.0	90.0
204"		55.0	70.0	70.0	90.0
207"		55.0	70.0	70.0	90.0
210"		55.0	70.0	70.0	90.0
213"		55.0	70.0	70.0	90.0
216"		55.0	70.0	70.0	90.0
219"		55.0	70.0	70.0	90.0
222"		55.0	70.0	70.0	90.0
225"		55.0	70.0	70.0	90.0
228"		55.0	70.0	70.0	90.0
231"		55.0	70.0	70.0	90.0
234"		55.0	70.0	70.0	90.0
237"		55.0	70.0	70.0	90.0
240"		55.0	70.0	70.0	90.0
243"		55.0	70.0	70.0	90.0
246"		55.0	70.0	70.0	90.0
249"		55.0	70.0	70.0	90.0
252"		55.0	70.0	70.0	90.0
255"		55.0	70.0	70.0	90.0
258"		55.0	70.0	70.0	90.0
261"		55.0	70.0	70.0	90.0
264"		55.0	70.0	70.0	90.0
267"		55.0	70.0	70.0	90.0
270"		55.0	70.0	70.0	90.0
273"		55.0	70.0	70.0	90.0
276"		55.0	70.0	70.0	90.0
279"		55.0	70.0	70.0	90.0
282"		55.0	70.0	70.0	90.0
285"		55.0	70.0	70.0	90.0
288"		55.0	70.0	70.0	90.0
291"		55.0	70.0	70.0	90.0
294"		55.0	70.0	70.0	90.0
297"		55.0	70.0	70.0	90.0
300"		55.0	70.0	70.0	90.0



MULLION LOAD CAPACITY - PSF		WITHOUT STEEL REINF.		WITH STEEL REINF.	
NOMINAL DIMS.	FRAME HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"		55.0	70.0	70.0	90.0
39"		55.0	70.0	70.0	90.0
42"		55.0	70.0	70.0	90.0
45"		55.0	70.0	70.0	90.0
48"		55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"		55.0	70.0	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		55.0	70.0	70.0	90.0
72"		55.0	70.0	70.0	90.0
75"		55.0	70.0	70.0	90.0
78"		55.0	70.0	70.0	90.0
81"		55.0	70.0	70.0	90.0
84"		55.0	70.0	70.0	90.0
87"		55.0	70.0	70.0	90.0
90"		55.0	70.0	70.0	90.0
93"		55.0	70.0	70.0	90.0
96"		55.0	70.0	70.0	90.0
99"		55.0	70.0	70.0	90.0
102"		55.0	70.0	70.0	90.0
105"		55.0	70.0	70.0	90.0
108"		55.0	70.0	70.0	90.0
111"		55.0	70.0	70.0	90.0
114"		55.0	70.0	70.0	90.0
117"		55.0	70.0	70.0	90.0
120"		55.0	70.0	70.0	90.0
123"		55.0	70.0	70.0	90.0
126"		55.0	70.0	70.0	90.0
129"		55.0	70.0	70.0	90.0
132"		55.0	70.0	70.0	90.0
135"		55.0	70.0	70.0	90.0
138"		55.0	70.0	70.0	90.0
141"		55.0	70.0	70.0	90.0
144"		55.0	70.0	70.0	90.0
147"		55.0	70.0	70.0	90.0
150"		55.0	70.0	70.0	90.0
153"		55.0	70.0	70.0	90.0
156"		55.0	70.0	70.0	90.0
159"		55.0	70.0	70.0	90.0
162"		55.0	70.0	70.0	90.0
165"		55.0	70.0	70.0	90.0
168"		55.0	70.0	70.0	90.0
171"		55.0	70.0	70.0	90.0
174"		55.0	70.0	70.0	90.0
177"		55.0	70.0	70.0	90.0
180"		55.0	70.0	70.0	90.0
183"		55.0	70.0	70.0	90.0
186"		55.0	70.0	70.0	90.0
189"		55.0	70.0	70.0	90.0
192"		55.0	70.0	70.0	90.0
195"		55.0	70.0	70.0	90.0
198"		55.0	70.0	70.0	90.0
201"		55.0	70.0	70.0	90.0
204"		55.0	70.0	70.0	90.0
207"		55.0	70.0	70.0	90.0
210"		55.0	70.0	70.0	90.0
213"		55.0	70.0	70.0	90.0
216"		55.0	70.0	70.0	90.0
219"		55.0	70.0	70.0	90.0
222"		55.0	70.0	70.0	90.0
225"		55.0	70.0	70.0	90.0
228"		55.0	70.0	70.0	90.0
231"		55.0	70.0	70.0	90.0
234"		55.0	70.0	70.0	90.0
237"		55.0	70.0	70.0	90.0
240"		55.0	70.0	70.0	90.0
243"		55.0	70.0	70.0	90.0
246"		55.0	70.0	70.0	90.0
249"		55.0	70.0	70.0	90.0
252"		55.0	70.0	70.0	90.0
255"		55.0	70.0	70.0	90.0
258"		55.0	70.0	70.0	90.0
261"		55.0	70.0	70.0	90.0
264"		55.0	70.0	70.0	90.0
267"		55.0	70.0	70.0	90.0
270"		55.0	70.0	70.0	90.0
273"		55.0	70.0	70.0	90.0
276"		55.0	70.0	70.0	90.0
279"		55.0	70.0	70.0	90.0
282"		55.0	70.0	70.0	90.0
285"		55.0	70.0	70.0	90.0
288"		55.0	70.0	70.0	90.0
291"		55.0	70.0	70.0	90.0
294"		55.0	70.0	70.0	90.0
297"		55.0	70.0	70.0	90.0
300"		55.0	70.0	70.0	90.0

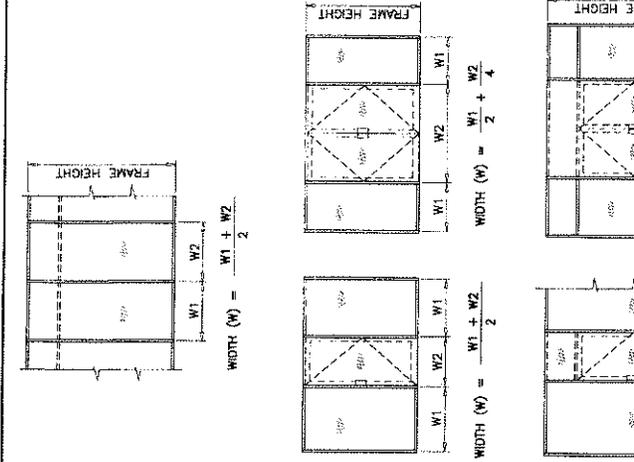
DR. HAMDOUN FAROQ
STRUCTURES
FLA. PE # 16557
CAN. 3538
AUG 11 2008
M. M. M.
08/12/08
08/13/08

AL-FAROQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL: (305) 266-6100 FAX: (305) 262-6978
 STORE W01-47YK

YRK AP AMERICA INC.
 332 FRETOWN ROAD
 DUBLIN, GEORGIA 31021
 TEL: (478) 277-1895 FAX: (478) 277-1978

REVISED BY: DESCRIPTION
 DATE: 07-25-01
 SCALE: 1/8" = 1'-0"
 DRAWING NO: W01-47

Sheet 4 of 9
 Drawing no: W01-47



ANCHOR LOAD CAPACITY - PSF
 EXT.(+) & INT.(-)

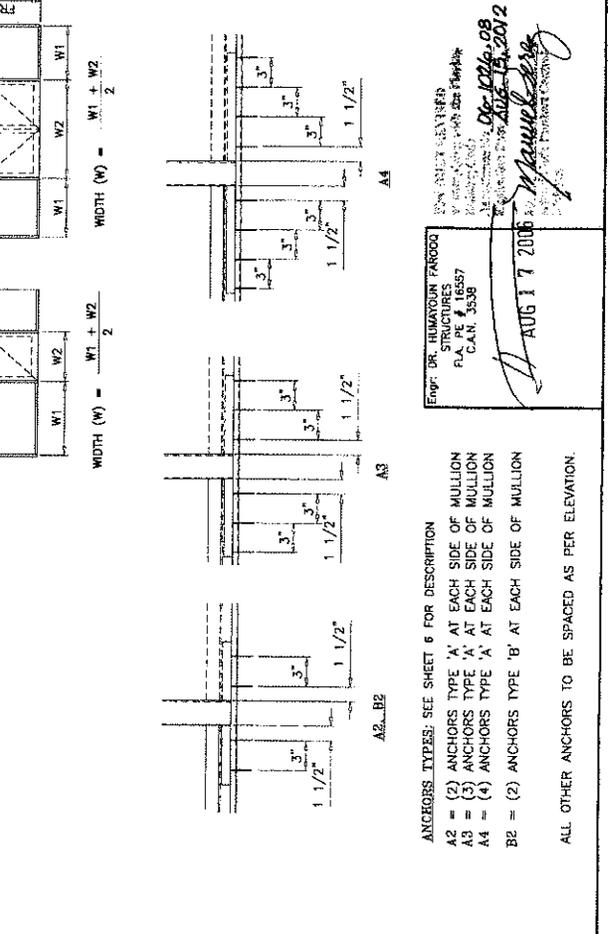
NOMINAL DIMS. WIDTH (W) FRAME HEIGHT	ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
	A2	A4	B2	B4
36"	90.0	90.0	90.0	90.0
39"	81.0	90.0	90.0	90.0
42"	74.8	90.0	90.0	90.0
45"	69.4	90.0	90.0	90.0
48"	64.8	90.0	90.0	90.0
51"	60.8	90.0	90.0	87.8
54"	57.2	85.8	90.0	82.5
57"	54.0	81.0	90.0	78.1
60"	51.2	76.8	90.0	73.9
63"	48.8	73.0	90.0	70.0
66"	46.8	70.0	90.0	67.0
69"	45.2	67.0	90.0	64.0
72"	44.0	64.0	90.0	61.0
75"	43.0	61.0	90.0	58.0
78"	42.0	58.0	90.0	55.0
81"	41.0	55.0	90.0	52.0
84"	40.0	52.0	90.0	49.0
87"	39.0	49.0	90.0	46.0
90"	38.0	46.0	90.0	43.0

ANCHOR LOAD CAPACITY - PSF
 EXT.(+) & INT.(-)

NOMINAL DIMS. WIDTH (W) FRAME HEIGHT	ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
	A2	A4	B2	B4
36"	90.0	90.0	90.0	90.0
39"	81.0	90.0	90.0	90.0
42"	74.8	90.0	90.0	90.0
45"	69.4	90.0	90.0	90.0
48"	64.8	90.0	90.0	90.0
51"	60.8	90.0	90.0	87.8
54"	57.2	85.8	90.0	82.5
57"	54.0	81.0	90.0	78.1
60"	51.2	76.8	90.0	73.9
63"	48.8	73.0	90.0	70.0
66"	46.8	70.0	90.0	67.0
69"	45.2	67.0	90.0	64.0
72"	44.0	64.0	90.0	61.0
75"	43.0	61.0	90.0	58.0
78"	42.0	58.0	90.0	55.0
81"	41.0	55.0	90.0	52.0
84"	40.0	52.0	90.0	49.0
87"	39.0	49.0	90.0	46.0
90"	38.0	46.0	90.0	43.0

ANCHOR LOAD CAPACITY - PSF
 EXT.(+) & INT.(-)

NOMINAL DIMS. WIDTH (W) FRAME HEIGHT	ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
	A2	A4	B2	B4
36"	90.0	90.0	90.0	90.0
39"	81.0	90.0	90.0	90.0
42"	74.8	90.0	90.0	90.0
45"	69.4	90.0	90.0	90.0
48"	64.8	90.0	90.0	90.0
51"	60.8	90.0	90.0	87.8
54"	57.2	85.8	90.0	82.5
57"	54.0	81.0	90.0	78.1
60"	51.2	76.8	90.0	73.9
63"	48.8	73.0	90.0	70.0
66"	46.8	70.0	90.0	67.0
69"	45.2	67.0	90.0	64.0
72"	44.0	64.0	90.0	61.0
75"	43.0	61.0	90.0	58.0
78"	42.0	58.0	90.0	55.0
81"	41.0	55.0	90.0	52.0
84"	40.0	52.0	90.0	49.0
87"	39.0	49.0	90.0	46.0
90"	38.0	46.0	90.0	43.0



ANCHOR LOAD CAPACITY - PSF
 EXT.(+) & INT.(-)

NOMINAL DIMS. WIDTH (W) FRAME HEIGHT	ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
	A2	A4	B2	B4
36"	90.0	90.0	90.0	90.0
39"	81.0	90.0	90.0	90.0
42"	74.8	90.0	90.0	90.0
45"	69.4	90.0	90.0	90.0
48"	64.8	90.0	90.0	90.0
51"	60.8	90.0	90.0	87.8
54"	57.2	85.8	90.0	82.5
57"	54.0	81.0	90.0	78.1
60"	51.2	76.8	90.0	73.9
63"	48.8	73.0	90.0	70.0
66"	46.8	70.0	90.0	67.0
69"	45.2	67.0	90.0	64.0
72"	44.0	64.0	90.0	61.0
75"	43.0	61.0	90.0	58.0
78"	42.0	58.0	90.0	55.0
81"	41.0	55.0	90.0	52.0
84"	40.0	52.0	90.0	49.0
87"	39.0	49.0	90.0	46.0
90"	38.0	46.0	90.0	43.0

ANCHOR LOAD CAPACITY - PSF
 EXT.(+) & INT.(-)

NOMINAL DIMS. WIDTH (W) FRAME HEIGHT	ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
	A2	A4	B2	B4
36"	90.0	90.0	90.0	90.0
39"	81.0	90.0	90.0	90.0
42"	74.8	90.0	90.0	90.0
45"	69.4	90.0	90.0	90.0
48"	64.8	90.0	90.0	90.0
51"	60.8	90.0	90.0	87.8
54"	57.2	85.8	90.0	82.5
57"	54.0	81.0	90.0	78.1
60"	51.2	76.8	90.0	73.9
63"	48.8	73.0	90.0	70.0
66"	46.8	70.0	90.0	67.0
69"	45.2	67.0	90.0	64.0
72"	44.0	64.0	90.0	61.0
75"	43.0	61.0	90.0	58.0
78"	42.0	58.0	90.0	55.0
81"	41.0	55.0	90.0	52.0
84"	40.0	52.0	90.0	49.0
87"	39.0	49.0	90.0	46.0
90"	38.0	46.0	90.0	43.0

ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION
 A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
 A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
 A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
 B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
 ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

Eng: DR. HUMANOUR FAROQ
 ST. JOHN'S UNIVERSITY
 FLA. REG. # 16557
 C.A.N. # 5338
 AUG 17 2006
 O.C. 12/14/08
 15/15/2012

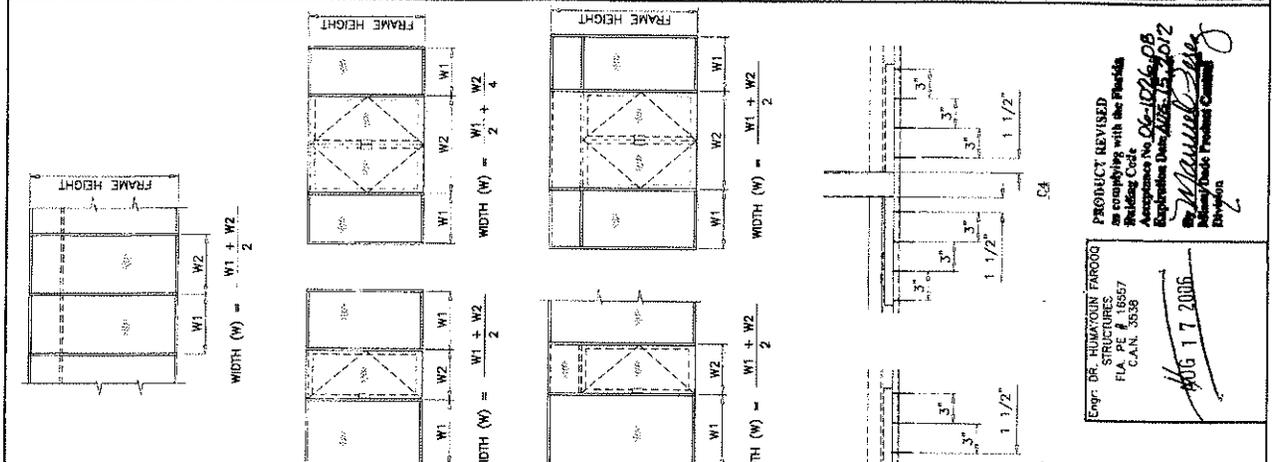
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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FAX: (305) 262-9978
STORE W01-47YK

YKR AP AMERICA INC.
332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021
TEL: (478) 277-1955 FAX: (478) 277-1978

DATE: 07-25-01
BY: HAMD
SCALE: 1/8" = 1'-0"

REVISED: 07-25-01
BY: HAMD
SCALE: 1/8" = 1'-0"

Drawing No. **W01-47**
Sheet 5 of 9



PRODUCT REVISED
as complying with the Florida
Building Code
Amendment No. 06-1026-DB
Expiration Date 06-15-2012
By: Manuel...
Director

Emp: DR. HEMANTH FARGOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
AUG 17 2005

ANCHOR LOAD CAPACITY - PSF		ANCHOR TYPE 'C'		ANCHOR TYPE 'D'		
EXT.(+) & INT.(-)		C2	C3	C4	D2	D3
36"	90.0	70.9	90.0	90.0	90.0	90.0
39"	65.4	90.0	90.0	90.0	90.0	90.0
42"	66.7	90.0	90.0	90.0	90.0	90.0
45"	56.7	85.0	90.0	90.0	90.3	90.0
48"	53.1	78.7	90.0	90.0	75.2	90.0
51"	50.0	75.0	90.0	90.0	70.6	90.0
54"	47.2	70.9	90.0	90.0	66.9	90.0
57"	44.8	67.1	89.5	89.5	63.4	90.0
60"	42.4	60.0	90.0	90.0	60.0	90.0
63"	38.7	58.0	87.0	90.0	62.1	90.0
66"	54.1	81.2	90.0	90.0	76.6	90.0
69"	50.7	76.1	90.0	90.0	71.8	90.0
72"	47.7	71.6	90.0	90.0	67.6	90.0
75"	45.1	67.6	90.0	90.0	63.8	90.0
36"	64.7	90.0	90.0	90.0	90.0	90.0
39"	58.7	98.9	90.0	84.5	90.0	90.0
42"	55.5	83.2	90.0	78.5	90.0	90.0
45"	51.8	77.6	90.0	73.3	90.0	90.0
48"	48.5	72.8	90.0	68.7	90.0	90.0
51"	45.7	68.5	90.0	64.7	90.0	90.0
54"	43.1	64.7	90.0	60.8	90.0	90.0
57"	40.6	61.0	90.0	57.0	90.0	90.0
60"	38.2	57.3	90.0	53.3	90.0	90.0
63"	35.8	53.6	90.0	49.6	90.0	90.0
66"	33.4	50.0	90.0	46.0	90.0	90.0
69"	31.0	46.4	90.0	42.4	90.0	90.0
72"	28.6	42.8	90.0	38.8	90.0	90.0
75"	26.2	39.2	90.0	35.2	90.0	90.0

ANCHOR LOAD CAPACITY - PSF		ANCHOR TYPE 'C'		ANCHOR TYPE 'D'		
EXT.(+) & INT.(-)		C2	C3	C4	D2	D3
36"	90.0	90.0	90.0	90.0	90.0	90.0
39"	85.8	90.0	90.0	90.0	90.0	90.0
42"	79.7	90.0	90.0	90.0	90.0	90.0
45"	74.4	90.0	90.0	90.0	90.0	90.0
48"	69.8	90.0	90.0	90.0	90.0	90.0
51"	65.5	90.0	90.0	90.0	90.0	90.0
54"	62.0	90.0	90.0	87.8	90.0	90.0
57"	58.7	86.1	90.0	83.2	90.0	90.0
60"	55.1	78.7	90.0	79.0	90.0	90.0
63"	50.7	76.1	90.0	71.8	90.0	90.0
66"	48.5	72.8	90.0	68.7	90.0	90.0
69"	46.5	69.8	90.0	65.8	90.0	90.0
72"	44.6	67.0	89.3	63.2	90.0	90.0
75"	42.8	64.3	90.0	60.8	90.0	90.0
39"	80.8	90.0	90.0	90.0	90.0	90.0
42"	75.0	90.0	90.0	90.0	90.0	90.0
45"	68.6	90.0	90.0	90.0	90.0	90.0
48"	65.6	90.0	90.0	90.0	90.0	90.0
51"	61.8	90.0	90.0	87.5	90.0	90.0
54"	58.4	87.5	90.0	82.6	90.0	90.0
57"	55.3	82.9	90.0	78.3	90.0	90.0
60"	50.0	75.0	90.0	70.8	90.0	90.0
63"	47.7	71.6	90.0	67.6	90.0	90.0
66"	45.7	68.5	90.0	64.7	90.0	90.0
69"	43.7	65.5	90.0	61.7	90.0	90.0
72"	41.7	62.5	90.0	58.7	90.0	90.0
75"	39.7	59.5	90.0	55.7	90.0	90.0

ANCHOR LOAD CAPACITY - PSF		ANCHOR TYPE 'C'		ANCHOR TYPE 'D'		
EXT.(+) & INT.(-)		C2	C3	C4	D2	D3
36"	90.0	90.0	90.0	90.0	90.0	90.0
39"	90.0	90.0	90.0	90.0	90.0	90.0
42"	90.0	90.0	90.0	90.0	90.0	90.0
45"	90.0	90.0	90.0	90.0	90.0	90.0
48"	90.0	90.0	90.0	90.0	90.0	90.0
51"	87.5	90.0	90.0	90.0	90.0	90.0
54"	83.7	90.0	90.0	90.0	90.0	90.0
57"	78.3	90.0	90.0	90.0	90.0	90.0
60"	74.4	90.0	90.0	90.0	90.0	90.0
63"	70.9	90.0	90.0	90.0	90.0	90.0
66"	67.6	90.0	90.0	90.0	90.0	90.0
69"	64.7	90.0	90.0	90.0	90.0	90.0
72"	62.0	90.0	90.0	87.8	90.0	90.0
75"	59.5	89.3	90.0	84.3	90.0	90.0
36"	90.0	90.0	90.0	90.0	90.0	90.0
39"	90.0	90.0	90.0	90.0	90.0	90.0
42"	90.0	90.0	90.0	90.0	90.0	90.0
45"	90.0	90.0	90.0	90.0	90.0	90.0
48"	85.8	90.0	90.0	90.0	90.0	90.0
51"	80.8	90.0	90.0	90.0	90.0	90.0
54"	76.3	90.0	90.0	90.0	90.0	90.0
57"	72.3	90.0	90.0	90.0	90.0	90.0
60"	68.7	90.0	90.0	90.0	90.0	90.0
63"	65.4	90.0	90.0	90.0	90.0	90.0
66"	62.4	90.0	90.0	88.4	90.0	90.0
69"	59.7	89.6	90.0	84.5	90.0	90.0
72"	57.2	85.8	90.0	81.0	90.0	90.0
75"	54.9	82.4	90.0	77.8	90.0	90.0
36"	90.0	90.0	90.0	90.0	90.0	90.0
39"	90.0	90.0	90.0	90.0	90.0	90.0
42"	90.0	90.0	90.0	90.0	90.0	90.0
45"	90.0	90.0	90.0	90.0	90.0	90.0
48"	85.0	90.0	90.0	90.0	90.0	90.0
51"	79.7	90.0	90.0	90.0	90.0	90.0
54"	75.0	90.0	90.0	90.0	90.0	90.0
57"	70.9	90.0	90.0	90.0	90.0	90.0
60"	67.1	90.0	90.0	90.0	90.0	90.0
63"	63.8	90.0	90.0	90.0	90.0	90.0
66"	60.7	90.0	90.0	86.0	90.0	90.0
69"	58.0	87.0	90.0	82.1	90.0	90.0
72"	55.5	83.2	90.0	78.5	90.0	90.0
75"	53.1	79.7	90.0	75.2	90.0	90.0
36"	90.0	90.0	90.0	90.0	90.0	90.0
39"	90.0	90.0	90.0	90.0	90.0	90.0
42"	85.0	90.0	90.0	90.0	90.0	90.0
45"	79.4	90.0	90.0	90.0	90.0	90.0
48"	74.4	90.0	90.0	90.0	90.0	90.0
51"	70.0	90.0	90.0	90.0	90.0	90.0
54"	66.1	90.0	90.0	88.7	90.0	90.0
57"	62.7	86.3	90.0	84.3	90.0	90.0
60"	59.5	83.7	90.0	80.3	90.0	90.0
63"	56.7	80.8	90.0	76.6	90.0	90.0
66"	54.1	78.0	90.0	73.3	90.0	90.0
69"	51.8	75.2	90.0	70.2	90.0	90.0
72"	49.6	72.4	90.0	67.4	90.0	90.0
75"	47.6	71.4	90.0	67.4	90.0	90.0

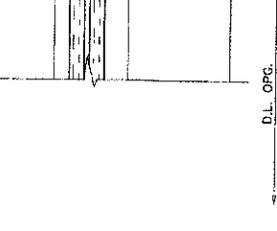
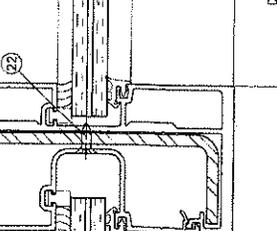
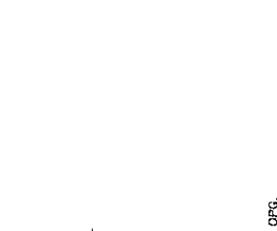
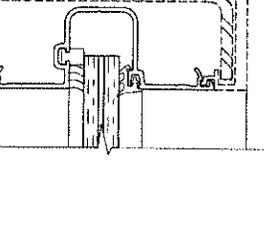
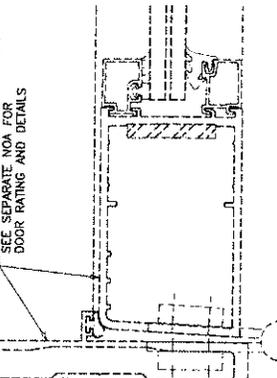
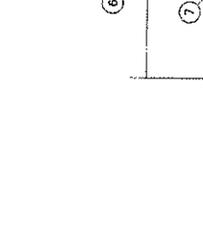
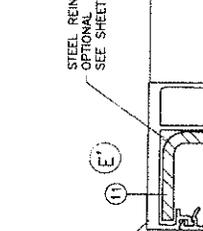
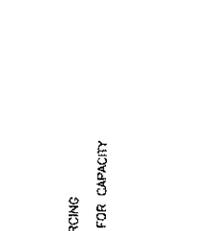
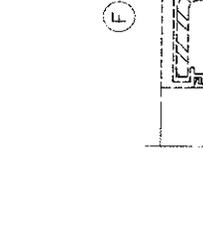
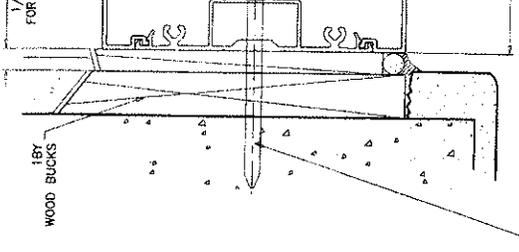
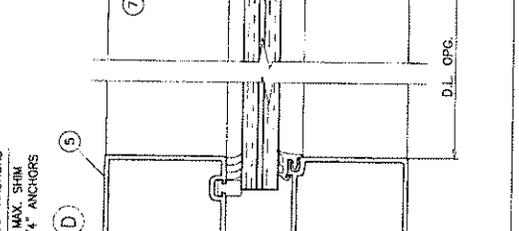
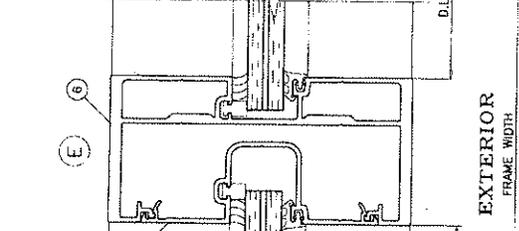
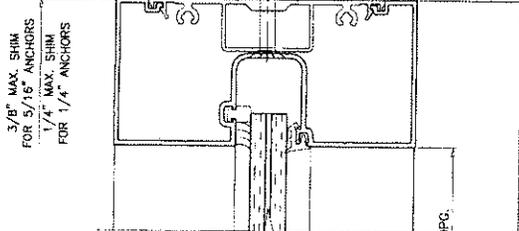
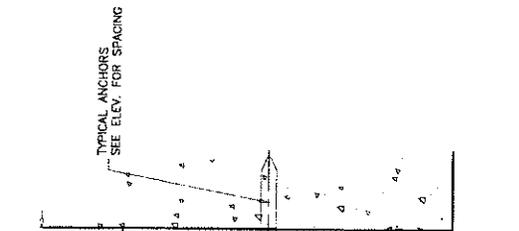
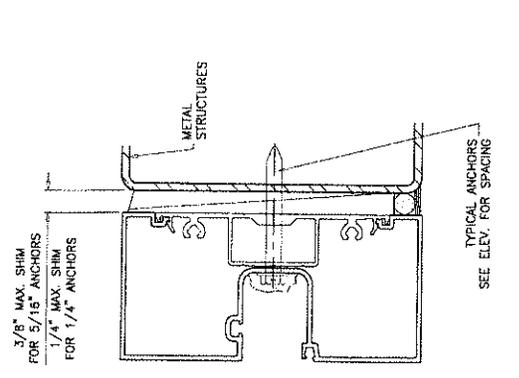
ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION
 C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION
 C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION
 C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION
 D2 = (2) ANCHORS TYPE 'D' AT EACH SIDE OF MULLION
 D3 = (3) ANCHORS TYPE 'D' AT EACH SIDE OF MULLION
 ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1285 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL: (305) 264-8100 FAX: (305) 262-6978
 STORE\W01-47YK

YKK AP AMERICA INC.
 332 FRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL: (478) 277-1955 FAX: (478) 277-1978

YHS-S0 FS ALUM FLUSH GLAZE STOREFRONT SYS. (L.M.)
 NO. DATE BY DESCRIPTION
 C 08.16.06
 UPDATED FOR 2004 RBC

date: 07-25-01
 scale: 1/2" = 1"
 drawing no. W01-47
 sheet 7 of 9



ENGINEER: DR. HUMAYUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 06-10-08
 08-19-2012
 AUG 11 2008

WOOD BUCKS
 TYPICAL ANCHORS SEE ELEV. FOR SPACING
 3/8" MAX. SHIM FOR 5/16" ANCHORS
 1/4" MAX. SHIM FOR 1/4" ANCHORS
 D.L. OPG.
 EXTERIOR FRAME WIDTH
 METAL STRUCTURES
 TYPICAL ANCHORS SEE ELEV. FOR SPACING
 3/8" MAX. SHIM FOR 5/16" ANCHORS
 1/4" MAX. SHIM FOR 1/4" ANCHORS
 TYPICAL ANCHORS SEE ELEV. FOR SPACING
 MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT DOOR & MULLION SEE SEPARATE NOA FOR DOOR RATING AND DETAILS
 STEEL REINFORCING OPTIONAL SEE SHEET 3 FOR CAPACITY
 D.L. OPG.

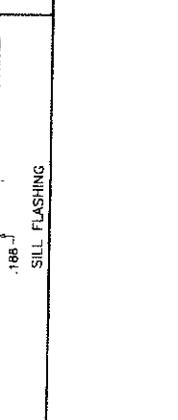
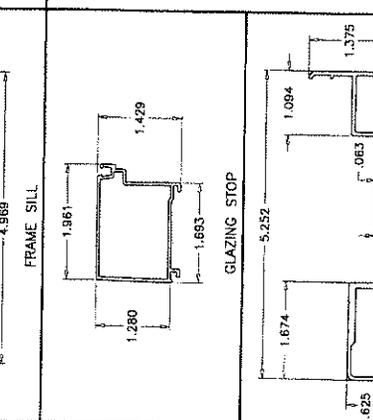
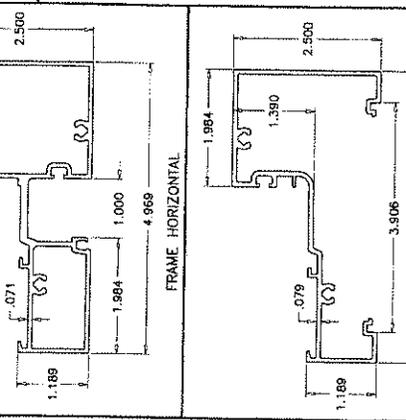
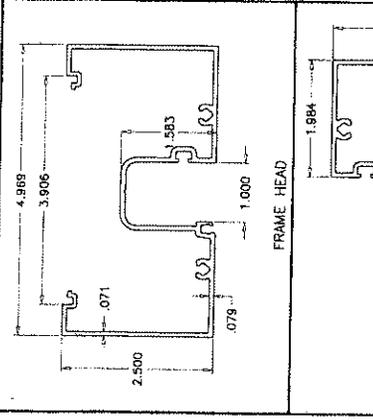
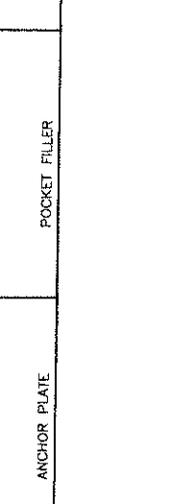
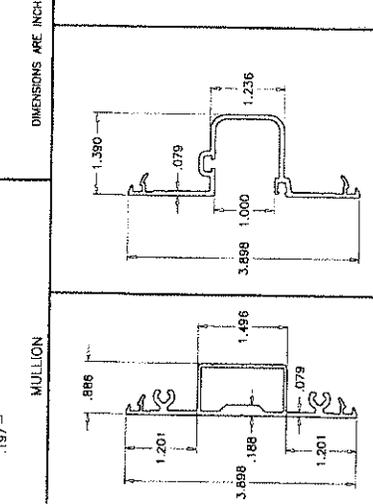
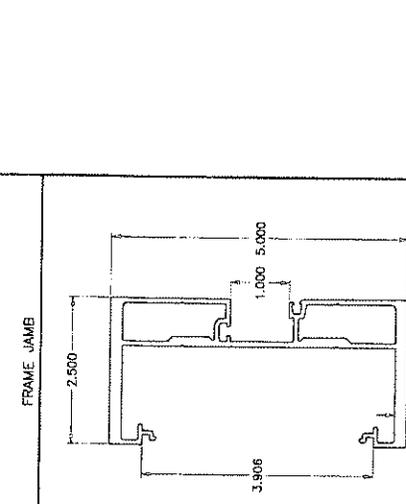
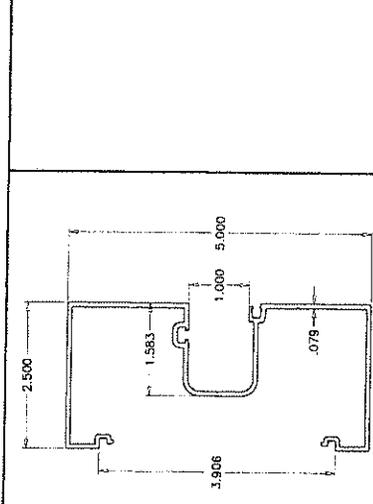
AL-FAROOD CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL: (305) 264-8100
 FAX: (305) 262-6978
 STORE\W01-47YK

YK AP AMERICA INC.
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 DUBLIN, GEORGIA 31021
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YK AP AMERICA INC.
 332 FRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL: (478) 277-1955 FAX: (478) 277-1978

NO DATE BY DESCRIPTION
 C 08.18.08
 REVISIONS:
 DATE: 07-25-01
 SCALE: 1/2" = 1"
 DR. BY: NAME
 CHK. BY:

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES-0801	AS REQD.	FRAME HEAD	6063-T5	
2	ES-0815	AS REQD.	FRAME SILL	6063-T5	
3	ES-0803	AS REQD.	FRAME HORIZONTAL	6063-T5	
4	ES-0808	AS REQD.	GLAZING STOP	6063-T5	
5	ES-0804	AS REQD.	FRAME JAMB	6063-T5	
6	ES-0805	AS REQD.	MULLION	6063-T5	
7	ES-0806	AS REQD.	POCKET FILLER	6063-T5	
8	ES-0816	AS REQD.	SILL FLASHING	6063-T5	
10	E1-1071	AS REQD.	ANCHOR PLATE	STEEL	LENGTH = FRAME HT. - 6 5/8"
11	E1-1082	AS REQD.	REINFORCING CHANNEL	SILICONE	
13	DOW 985	AS REQD.	GLAZING COMPOUND	EPDM	FOR 9/16" GLASS
16	E2-0083	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	
17	E2-0084	AS REQD.	INTERIOR SILICONE SPACER	EPDM	
18	E2-0094	AS REQD.	SIDE BLOCK	EPDM	
19	E2-0080	AS REQD.	SETTING BLOCK	EPDM	
21	PC-1216	AS REQD.	#12 X 1" SMS	STEEL	FOR SCREW SPLINE
22	FF-1008	AS REQD.	#10 X 1/2" SMS	STEEL	FOR GLAZING POCKET FILLER
23	PC-1408	AS REQD.	#14 X 1/2" SMS	STEEL	FOR THRESHOLD
24	PC-1424	AS REQD.	#14 X 1-1/2" SMS	STEEL	FOR SILL

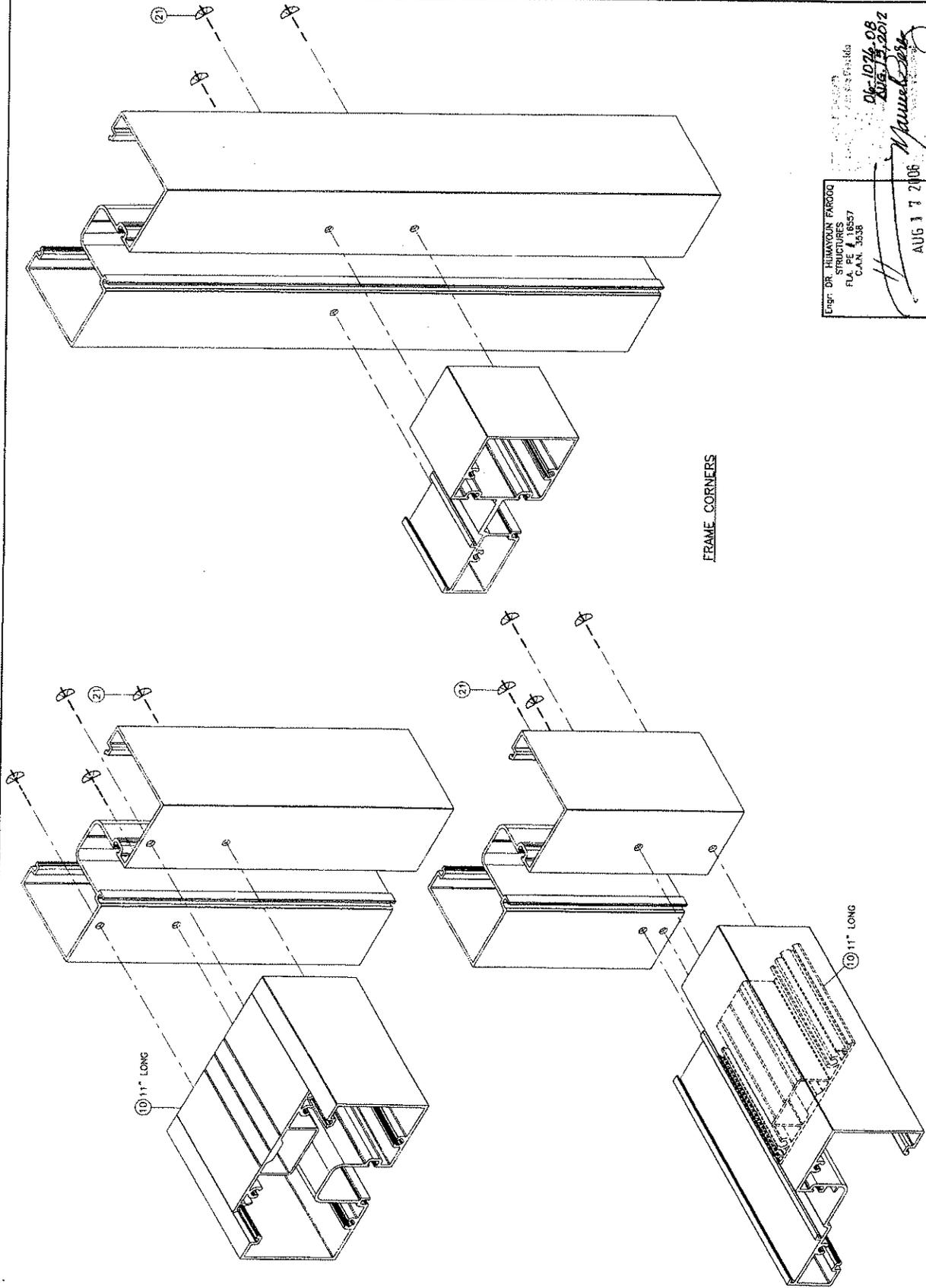


DIMENSIONS ARE INCHES

Eng: DR. THOMAS J. FAROOD
 STRUCTURAL ENGINEER
 F.L.A. PE # 16557
 C.A.N. 3538
 06-10-09
 AUG 13 2012
 H. AUG 13 2008
 Manual
 W01-47

STEEL REINFORCING
 36 KSI MIN.

AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (305) 262-6978 STORE\W01-47YKK		YKK AP YKK AP AMERICA INC. 332 FIRETOWER ROAD DUBLIN, GEORGIA 31021 TEL. (478) 277-1955 FAX. (478) 277-1978		RHS-50 FS ALUM FLUSH GLAZE STOREFRONT SYS. (L.M.) NO. DATE BY DESCRIPTION C 08 18 08 REVISIONS: UPDATED FOR 2004 REG		date: 07-25-01 scale: 1/2" = 1" dr. by: HAAHID chg. by:		drawing no. W01-47 sheet 9 of 9	
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Engr: DR. HUMAYOON FAROOQ
 1101 S.W. 105th ST
 FLA. PE. 10507
 C.A.N. 3038
 AUG 17 2006
 Dwg. ID: 10-08
 2006.10.26
 H. Farooq



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

YKK AP America
332 Firetower Road
Dublin, GA 31021

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "YSD700" Aluminum Sliding Glass Door (LMI)

APPROVAL DOCUMENT: Drawing No. W03-55, titled "YSD700 Aluminum Sliding Glass Door (LMI)", sheets 1 through 9 of 9, dated 07/28/03 and last revised on Jan 16, 2008 prepared by Al-Farooq Corporation, signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 04-0603.03 and, consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



1/30/18

NOA No 07-1010.02
Expiration Date: February 09, 2014
Approval Date: February 21, 2008
Page 1

YKK AP America**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-55**, titled "YSD700 Aluminum Sliding Glass Door (LMI)", sheets 1 through 9 of 9, dated 07/28/03 and last revised on Jan 16, 2008 prepared by Al-Farooq Corporation, signed and sealed by Yiping Wang, P.E.

B. TESTS (transferred from file # 04-0603.03)

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
 - 5) Large Missile Impact test per FBC, TAS 201-94.
 - 6) Cyclic Loading Test, per FBC, TAS 203-94.

Along with installation diagram of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0709-03**, specimen #3 and #6 (OXXO), dated 08/05/03 and 08-08-03 respectively and **HTL-0231-1004-03**, specimen #2, dated 07-15-03, **HTL-0231-0910.02** specimen #1 (OXO), and specimen #5 (OX) both dated 07-15-03, signed and sealed by Vinu J. Abraham, P.E.

2. Additional Test reports on 1) Large Missile Impact tests per FBC, TAS 201-94.
 - 2) Cyclic Loading Test, per FBC, TAS 203-94.

Along with installation diagram of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Reports No(s). **HTL-0231-1126.02** (Sp#3) dated 06/11/03, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Comparative analysis & anchor verification calculations dated 09-08-07 complying w/ FBC 2004, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P.E
2. Glazing complies w/ASTME-1300-02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **07-1116.11** issued to Security Impact Glass Holdings L.L.C. for "SAF-GLAS", expiring on 12/16/12.
2. Notice of Acceptance No. **03-0421.01** issued to Solutia for "Saflex HP", expiring on 04/14/2008.
3. Notice of Acceptance No. **02-0916.04** issued to Viracon Inc for "StormGuard", expiring on 04/14/2008.

F. STATEMENTS

1. Statement letter of conformance & no financial interest, dated 09/08/07 issued by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Statement letter of lab compliance as part of above referenced test reports.

G. OTHER

1. This NOA revises & renews NOA # 04-0603.03 , expiring January 01, 2009

Ishaq I. Chanda

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 07-1010.01

Expiration Date: February 09, 2014

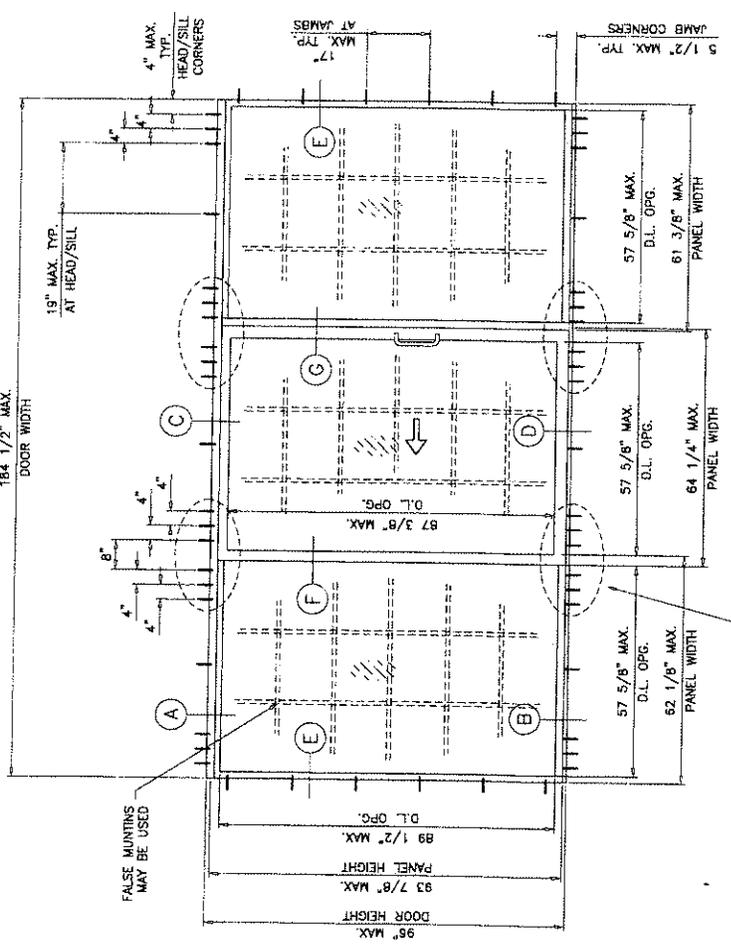
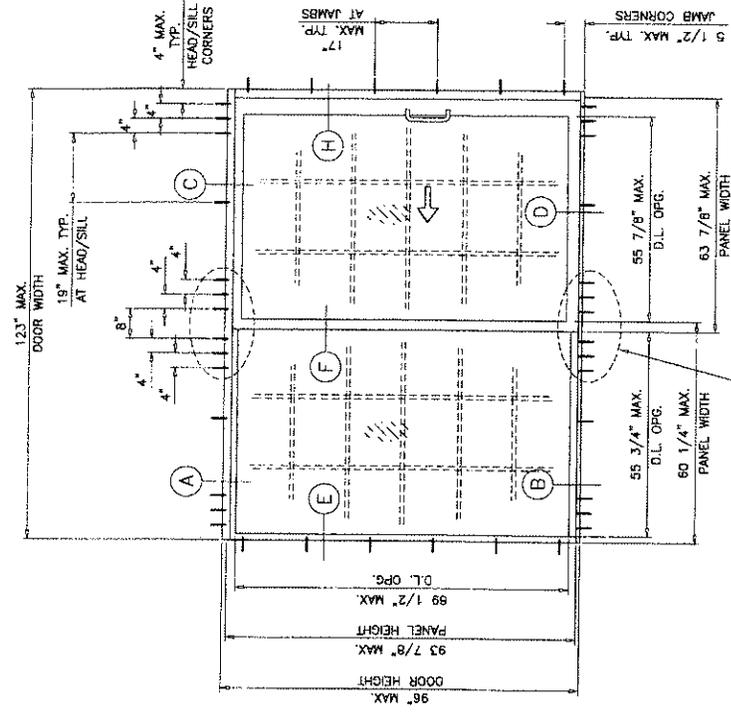
Approval Date: February 21, 2008

AL-FAROQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100
 FAX. (305) 262-6978
 COMP-ANL-W03-55K4

YKK AP AMERICA INC.
 532 FIREOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL. (478) 277-1955 FAX (478) 277-1978

REV. 01	10/08	REV. PER BCOO COMMENTS
REV. 02	08/07	UPDATED FOR 2004 IBC
REV. 03	07/21/04	REV. PER BCOO COMMENTS
REV. 04	02/16/04	GLASS TYPE 6, OXKO DOOR ADO
REV. 05	12/31/03	NOTES REV.
REV. 06	07/28/03	BY DESCRIPTION

drawing no. **W03-55**
 sheet 1 of 9
 date: 07-28-03
 scale: 3/8" = 1'-0"
 dr. by: HAMD
 ch. by:



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance Date: **02-10-02**
 Expiration Date: **FEBRUARY 4**
 By: **(Signature)**
 Alford-Davis Product Company
 Houston

LAMINATED INSULATING GLASS
LARGE MISSILE IMPACT

Eng: SPRING WING
 STRUCTURES
 P.O. BOX 9883
 CAK 3338

(Signature)
JAN 16 2008

TYPICAL ELEVATIONS
 TESTED UNITS

DAYLITE OPENINGS:
 D.L.O. HEIGHT (FIX. PANEL) = DOOR HEIGHT - 6.50"
 D.L.O. HEIGHT (OPER. PANEL) = DOOR HEIGHT - 8.625"
 D.L.O. WIDTH (FIX. PANEL) = PANEL WIDTH - 4.50"
 D.L.O. WIDTH (OPER. PANEL) = PANEL WIDTH - 6.625"

YS0700 ALUMINUM SLIDING GLASS DOOR (L.M.I.)
 DESIGN LOAD RATING FOR THESE DOORS TO BE AS PER CHART
 SHOWN ON SHEET 3.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
 WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
 ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
 ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
 A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
 MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

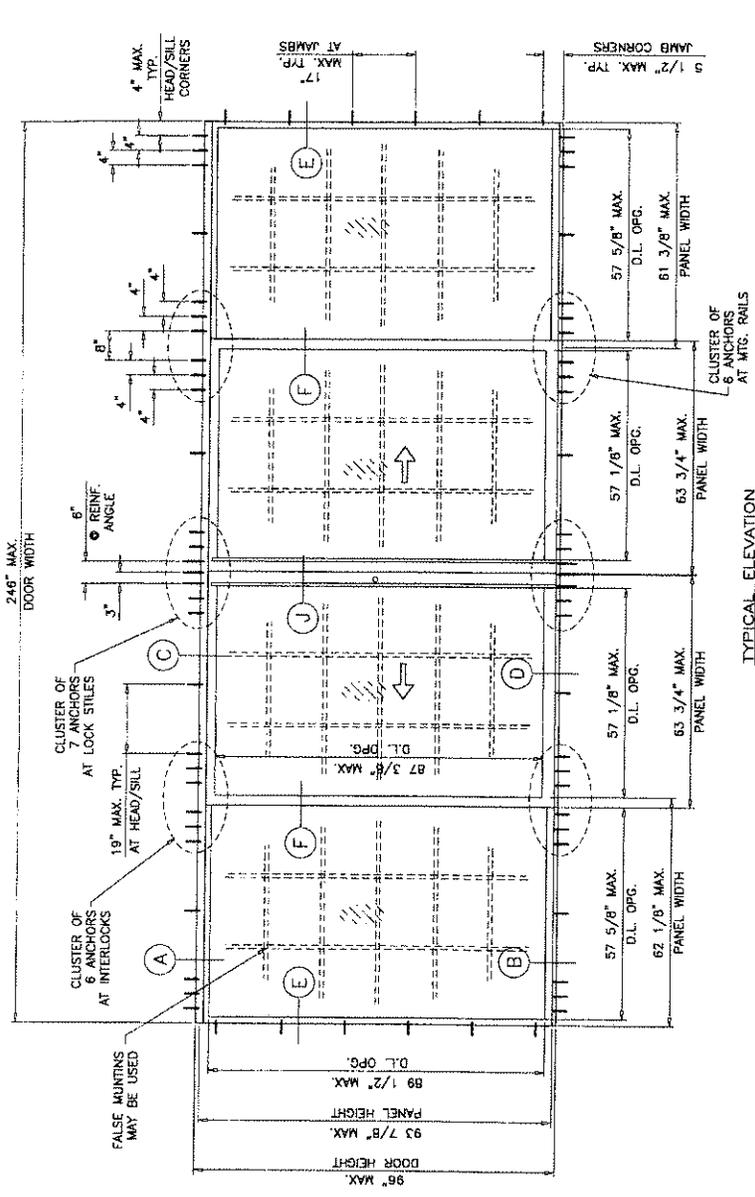
THIS SYSTEM IS RATED FOR LARGE MISSILE IMPACT.
 SHUTTERS ARE NOT REQUIRED.

AL-FAROQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1336 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100
 FAX (305) 262-6978
 COMP-ANL-W03-55YK

YRK AP AMERICA INC.
 332 FIRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL (478) 277-1955 FAX (478) 277-1978

NO. DATE	BY	DESCRIPTION
B 11/21/03		NOTES REV.
C 02/18/04		CLASS TYPE G. OXID. DOOR AND
D 07/21/04		NO CHANGE THIS SHEET
E 08/08/07		UPDATED FOR 2004 IBC
F 01/08/08		NO CHANGE THIS SHEET

check by:
 dr. by: HAMID
 scales: 3/8"=1'-0"
 date: 07-28-03
 drawing no. **W03-55**
 sheet 2 of 9



PRODUCT RENEWED
 as compliant with the Florida
 Building Code
 Approved by Miami-Dade
 Department of Building
 Inspection on 07-01-02
 Expiration Date: 07-01-07
 By: [Signature]
 Miami Dade Product Control
 Division

Eng: YIPING WANG
 STRUCTURES
 P.L.L.C.
 C.A.N. 5336
 JUN 16 2005
 [Signature]

TYPICAL ELEVATION
 TESTED UNIT

AL-FAROQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100 FAX (305) 262-9978
 COMP-ANI-W03-55YK

YRK AP AMERICA INC.
 332 FIRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL (478) 277-1956 FAX (478) 277-1978
YRK AP

Revisions:
 1. 02/15/04 INTERLAYER SPECIFIED
 2. 02/15/04 CLASS TYPE G, OXID DOOR ADD.
 3. 02/21/04 REV. PER BCO COMMENTS
 4. 06/08/07 UPDATED FOR 2004 FBC
 5. 01/10/08 REV. PER BCO COMMENTS

date: 07-28-03
 scale: 3/8" = 1'
 dr. by: HAWID
 chk. by:

drawing no. **W03-55**
 sheet 3 of 9

PANEL WIDTH INCHES	PANEL HEIGHT INCHES	DESIGN LOAD CAPACITY - PSF		GLASS TYPE 'C'
		EXT. (+)	INT. (-)	
30	100.0	120.0	70.0	100.0
36	100.0	120.0	70.0	100.0
42	100.0	120.0	70.0	100.0
48	100.0	120.0	70.0	100.0
54	100.0	120.0	70.0	100.0
60	100.0	120.0	70.0	100.0
64	100.0	120.0	70.0	90.0
66	100.0	120.0	70.0	90.0
30	100.0	120.0	70.0	100.0
36	100.0	120.0	70.0	100.0
42	100.0	120.0	70.0	100.0
48	100.0	120.0	70.0	100.0
54	100.0	120.0	70.0	100.0
60	100.0	120.0	70.0	100.0
64	100.0	120.0	70.0	90.0
66	100.0	120.0	70.0	90.0
30	100.0	120.0	70.0	100.0
36	100.0	120.0	70.0	100.0
42	100.0	120.0	70.0	100.0
48	100.0	120.0	70.0	100.0
54	100.0	120.0	70.0	100.0
60	100.0	120.0	70.0	100.0
64	100.0	120.0	70.0	90.0
66	100.0	120.0	70.0	90.0
30	100.0	120.0	70.0	100.0
36	100.0	120.0	70.0	100.0
42	100.0	120.0	70.0	100.0
48	100.0	120.0	70.0	100.0
54	100.0	120.0	70.0	100.0
60	100.0	120.0	70.0	100.0
64	100.0	120.0	70.0	90.0
66	100.0	120.0	70.0	90.0

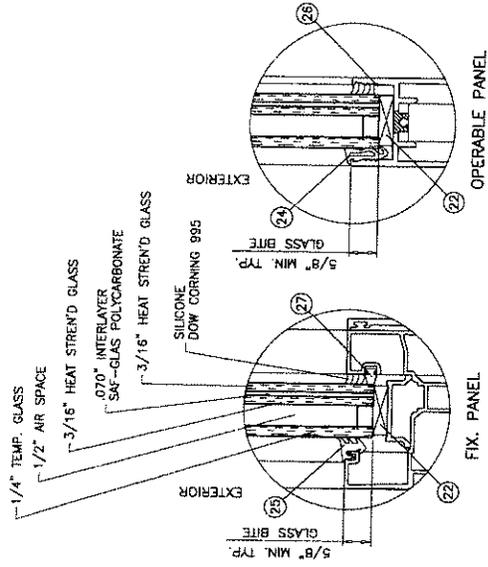
NOTE:
 GLASS CAPACITIES ON THIS SHEET ARE
 BASED ON ASTM E1300-02 (3 SEC. GUSTS)
 AND FLORIDA BUILDING COMMISSION
 DECLARATORY STATEMENT DCA05-DEC-219

NOTE: LOWER DESIGN PRESSURES SHALL
 CONTROL FOR COMBINATIONS OF
 THE PANELS.

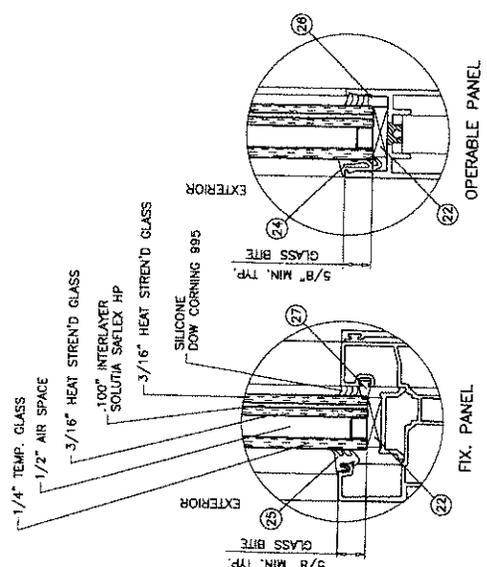
DAYLIGHT OPENING
 D.L.O. HEIGHT = DOOR HT. - 6.5
 D.L.O. WIDTH = AVG. PANEL WIDTH - 3.875

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 07-1010-02
 Expiration Date 07/21/11
 By: [Signature]
 Island Trade Product Centre
 Division

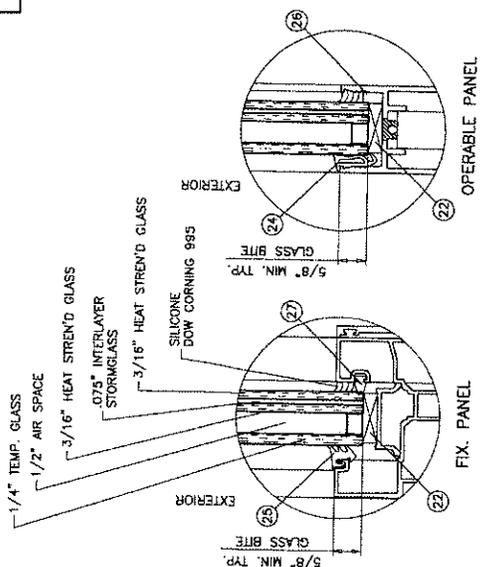
Engr. YIPING WANG
 STRUCTURES
 P.O. BOX 5538
 C.A.N. 3338
 JAN 16 2008



GLASS TYPE 'A'

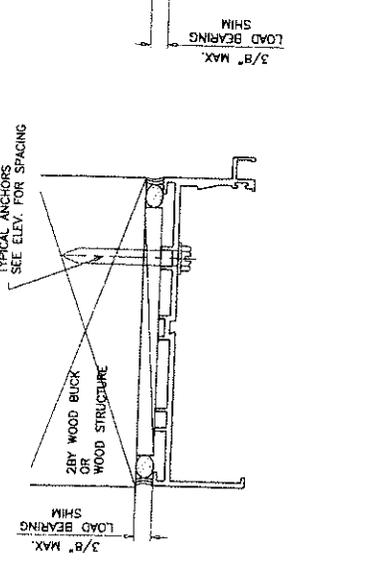
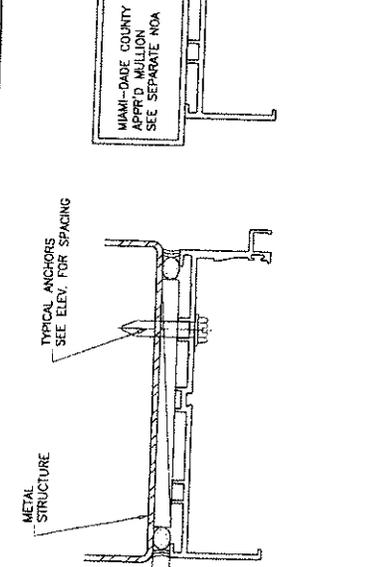
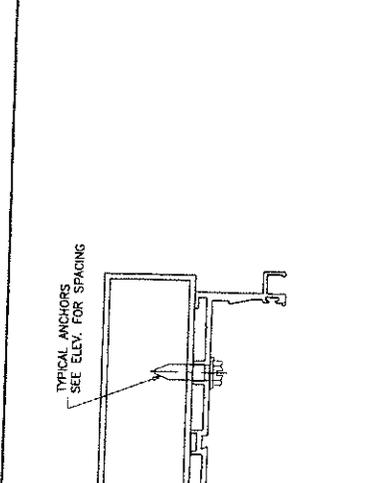


GLASS TYPE 'C'



GLASS TYPE 'C'

AL-FARQO CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 284-8100 FAX. (305) 262-6978 COMP-ANL\W03-55YK	YKK AP AMERICA INC. 332 FIRETOWER ROAD DUBLIN, GEORGIA 31021 TEL. (478) 277-1955 FAX. (478) 277-1976	9700 ALUMINUM SLIDING GLASS DOOR (L.M.)	REV. PER BCCO COMMENTS E 08/08/07 UPDATED FOR 2004 FBC F 01/10/08	DATE: 07-28-03 SCALE: 3/8" = 1" DRAWING NO. W03-55 SHEET 5 OF 9
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WOOD BUCKS AND METAL STRUCTURE NOT BY YKK AMERICA INC. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE A: 5/16" DIA. TAPCONS BY 'ELCO'**
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE
 DIRECTLY INTO CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE
 DIRECTLY INTO MASONRY
 1-1/4" MIN. EMBED INTO MASONRY
- TYPE B: 5/16" DRILLELEX SELF-DRILLING SCREWS BY 'ELCO'**
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (F_y = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
- TYPE C: #14 SMS**
 INTO APPROVED MULLIONS (NO SHIM SPACE)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 3" MIN.
 INTO WOOD STRUCTURE = 1-1/4" MIN.
 INTO METAL STRUCTURE = 1" MIN.

SEALANTS:
 FRAME AND PANEL CORNERS SEALED WITH TREMCO SPECTRUM 2 OR G.E. SILGLAZE SEALANT.

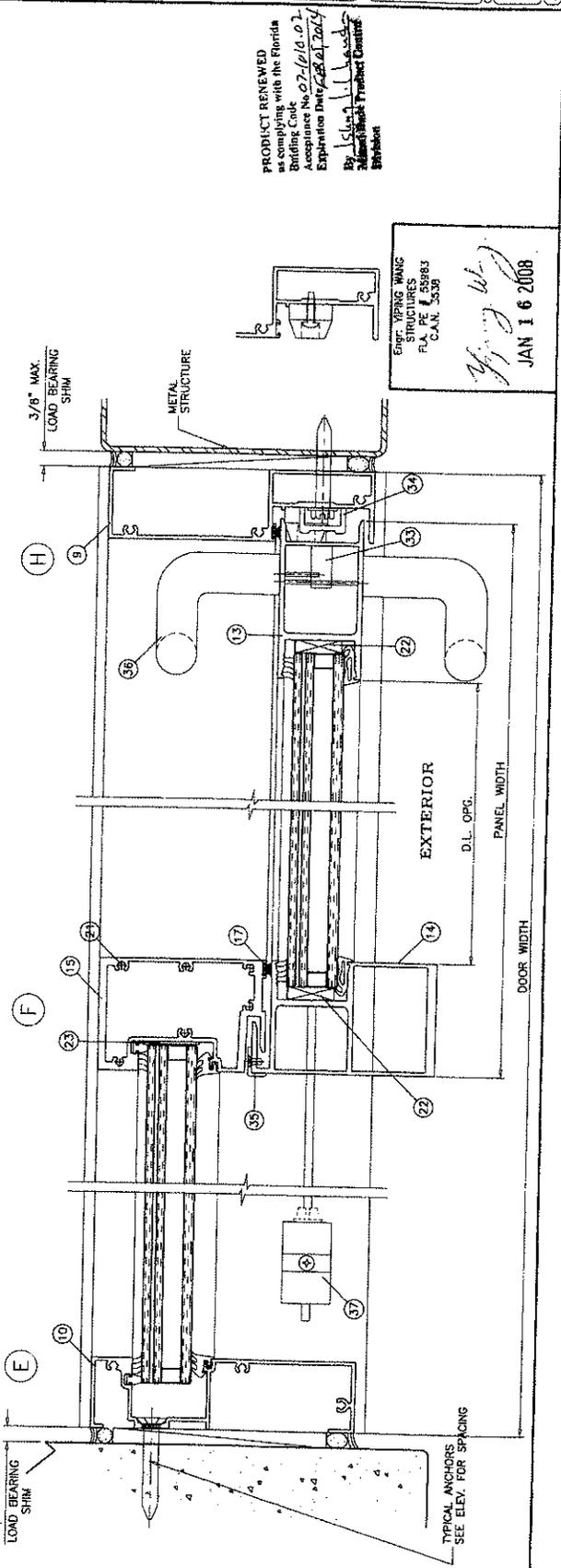
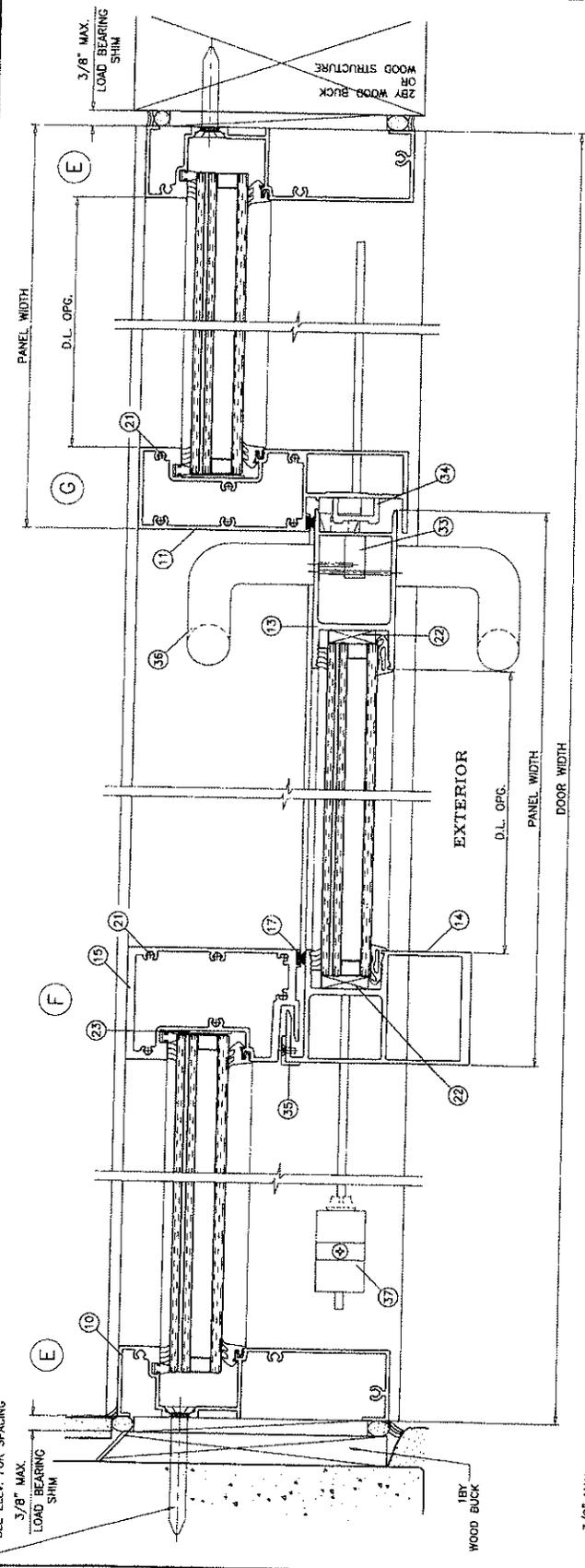
PRODUCT RENEWED as complying with the Florida Building Code
 Acceptance No. 02-16-04-017
 Expiration Date 02/09/2012
 By: [Signature]
 Miami Beach Product Developer
 Division

ENG: YIPING WANG
 STRUCTURES
 FLA. PE # 55983
 C.A.N. 3536

[Signature]

JAN 16 2008

AL-FAROOD CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL (305) 264-8100 FAX (305) 262-9978 COMP-ANL W03-55YK		YKK AP YKK AP AMERICA INC. 332 FIREOWER ROAD DUBLIN, GEORGIA 31021 TEL (478) 277-1955 FAX (478) 277-1978		(REVISIONS) NO. DATE BY DESCRIPTION B 12.31.03 NO CHANGE THIS SHEET C 02.18.04 GLASS TYPE C, OMO DOOR ADD. D 07.21.04 NO CHANGE THIS SHEET E 06.08.07 UPDATED FOR 2004 SPEC. F 01.10.08 REV. PER BIDD COMMENTS		drawing no. W03-55 Sheet 6 of 9 date: 07-28-03 scale: 3/8" = 1" dr. by: HAMD chk. by:	
--	--	---	--	--	--	---	--



PRODUCT RENEWED
 as comply with the Florida
 Building Code No. 07-010.01
 Expiration Date 2/28/2004
 By: *Ismael L. Lopez*
 Licensed Product Control
 Inspector

Engineering WANG
 FLA. REG. # 55983
 C.A.N. 5038
Ying Wang
 JAN 16 2008

TYPICAL ANCHORS
 SEE ELEV. FOR SPACING
 3/8" MAX.
 LOAD BEARING
 SHIM

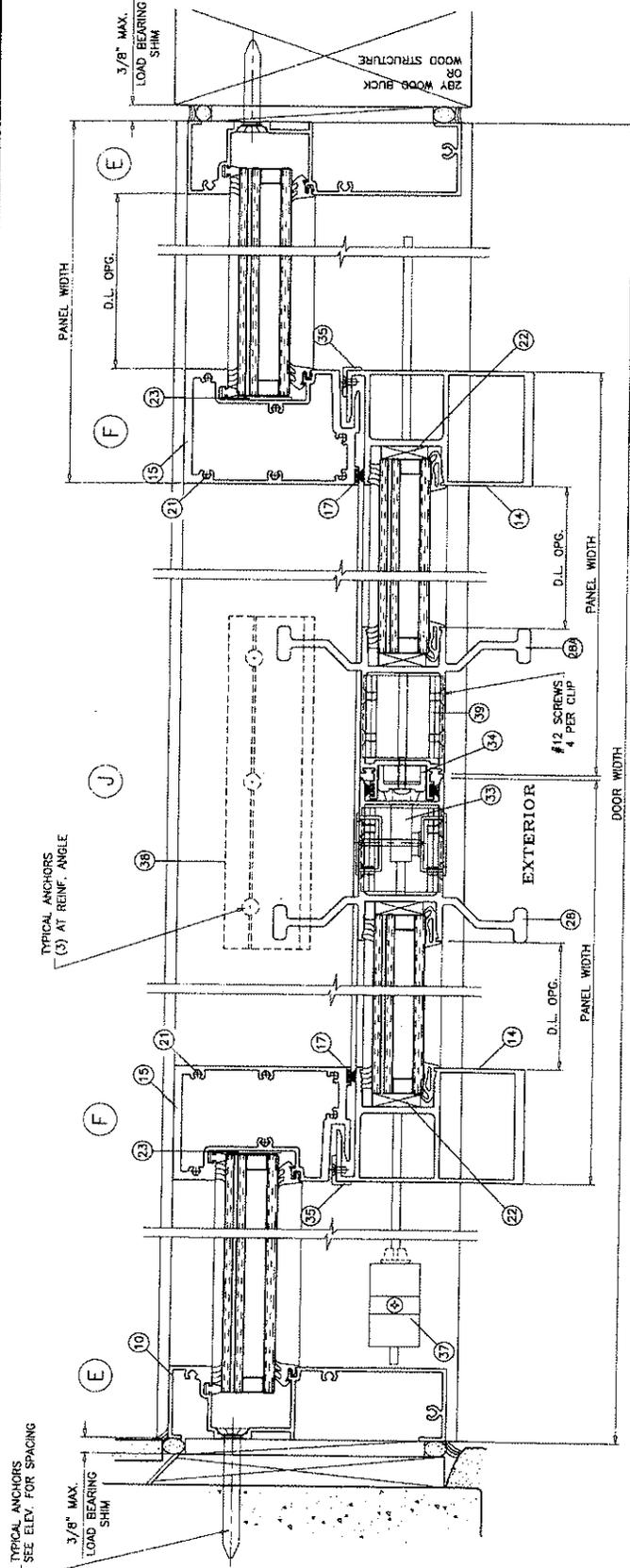
TYPICAL ANCHORS
 SEE ELEV. FOR SPACING
 3/8" MAX.
 LOAD BEARING
 SHIM

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100
 FAX (305) 262-6978
 COMP-ANL W03-55YKk

YRK AP AMERICA INC.
 332 FIRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL. (478) 277-1955 FAX (478) 277-1978

NOI DATE:	12/21/03	NO CHANGE THIS SHEET
BY:	DESCRIPTION:	
REVISIONS:		
A	12/21/03	NO CHANGE THIS SHEET
B	12/21/03	NO CHANGE THIS SHEET
C	02/16/04	CLASS TYPE 5, OXID. DOOR ADD
D	07/21/04	NO CHANGE THIS SHEET
E	08/08/07	UPDATED FOR 2004 FBC
F	10/10/08	REV. PER BIDD COMMENTS

chk by: HAHMID
 dr. by: HAHMID
 scales: 3/8" = 1"
 date: 07-28-03
 drawing no. **W03-55**
 sheet 7 of 9



PRODUCT RENEWED
 in compliance with the Florida
 Building Code
 Aesthetics No. 27-1616-0-2
 Expiration Date: 12/31/07
 By: [Signature]
 Miami Dade Product Control
 Division

ENG. YIPING WANG
 STRUCTURES
 P.L.L.C.
 C.A.N. 3336
 [Signature]
 JAN 16 2008

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL: (305) 284-8100
 FAX: (305) 282-9778
 COMP-ANL-W03-55YK

YKK AP AMERICA INC.
 332 FRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL: (478) 277-1955 FAX: (478) 277-1978

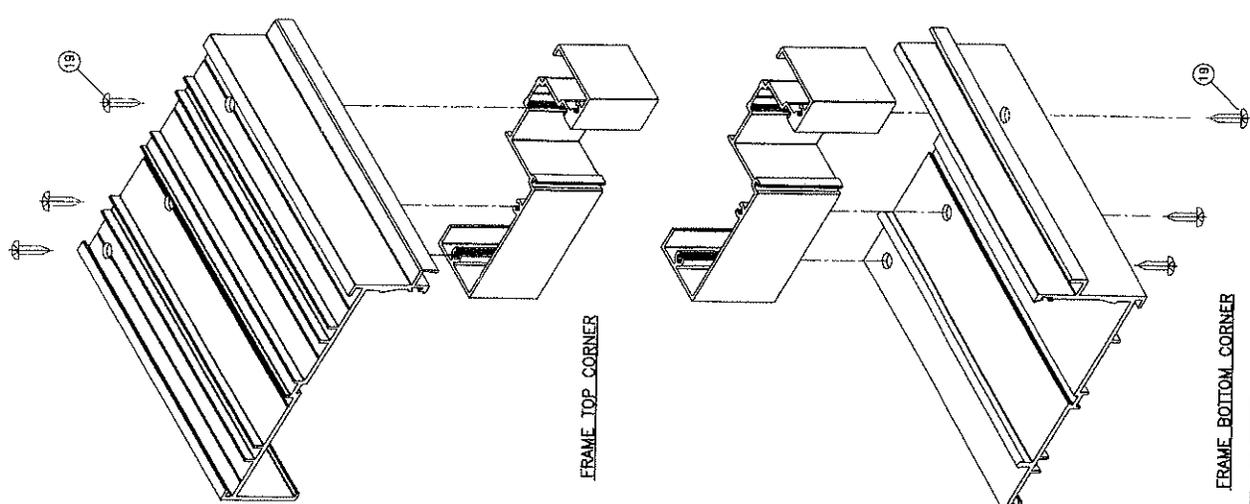
YS0700 ALUMINUM SLIDING GLASS DOOR (L.M.)
 07-29-03
 Date: 12/1/04
 NO CHANGE THIS SHEET
 CLASS TYPE G, OXID DOOR ADD
 NO CHANGE THIS SHEET
 07/21/04
 NO CHANGE THIS SHEET
 06/08/07
 UPDATED FOR 2004 PBC
 01/10/08
 REV. PER BCDD COMMENTS

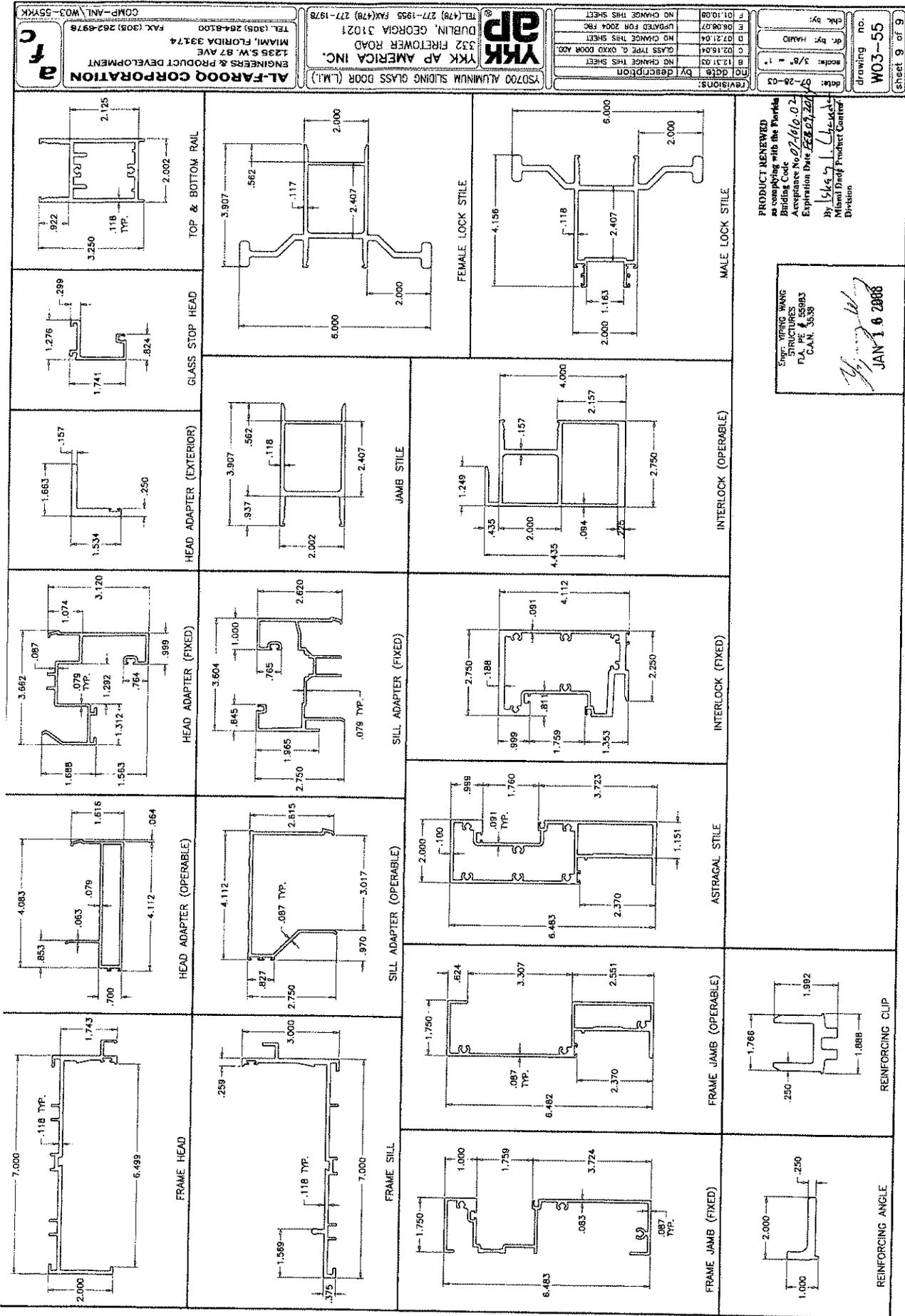
Drawing no. **W03-55**
 sheet 8 of 9
 Date: 07-29-03
 Scale: 3/8" = 1"
 Dr. by: HAIRD
 Ck. by:

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E9-6126	1	FRAME HEAD	6063-T5	YKK AP AMERICA
2	E9-6110	1	HEAD ADAPTER (OPERABLE)	6063-T5	YKK AP AMERICA
3	E9-6107	AS REQD.	HEAD ADAPTER (FIXED)	6063-T5	YKK AP AMERICA
4	E9-6115	1	HEAD ADAPTER (EXTERIOR)	6063-T5	YKK AP AMERICA
5	E9-6109	AS REQD.	GLASS STOP	6063-T5	YKK AP AMERICA
6	E9-6127	1	FRAME SILL	6063-T5	YKK AP AMERICA
7	E9-6111	1	SILL ADAPTER (OPERABLE)	6063-T5	YKK AP AMERICA
8	E9-6108	AS REQD.	SILL ADAPTER (FIXED)	6063-T5	YKK AP AMERICA
9	E9-6104	AS REQD.	FRAME JAMB (OPERABLE)	6063-T5	YKK AP AMERICA
10	E9-6103	1	FRAME JAMB (FIXED)	6063-T5	YKK AP AMERICA
11	E9-6106	1	ASTRAGAL STILE	6063-T5	YKK AP AMERICA
12	E9-6112	2/ PANEL	TOP & BOTTOM RAIL	6063-T5	YKK AP AMERICA
13	E9-6114	1	JAMB STILE	6063-T5	YKK AP AMERICA
14	E9-6113	AS REQD.	INTERLOCK (OPERABLE)	6063-T5	YKK AP AMERICA
15	E9-6105	1	INTERLOCK (FIXED)	6063-T5	YKK AP AMERICA
16	E1-1619	2	SETTING BLOCK CHAIR, 4" LONG	6063-T5	YKK AP AMERICA
17	E2-0712	AS REQD.	PILE W/STRIPPING WITH FIN	6063-T5	YKK AP AMERICA
18	E2-0051	AS REQD.	5/16" DIA. BULB W/STRIPPING	6063-T5	YKK AP AMERICA
19	#12 X 1-1/4"	3/ CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	PH SMS
20	#12 X 1-1/4"	2/ CORNER	PANEL ASSEMBLY SCREWS	ST. STEEL	PH SMS
21	#12 X 1-1/4"	6/ END	ASTRAGAL/FX. I LOCK, ASSY. SCREWS	ST. STEEL	PH TS
22	E2-0178	AS REQD.	SETTING BLOCK	6063-T5	YKK AP AMERICA
23	E2-0134	AS REQD.	SIDE BLOCK	6063-T5	YKK AP AMERICA
24	E2-0361	AS REQD.	OPER. PANEL GLAZING GASKET	6063-T5	YKK AP AMERICA
25	E2-0082	AS REQD.	FX. PANEL GLAZING GASKET	6063-T5	YKK AP AMERICA
26	E2-0732	AS REQD.	OPER. PANEL GLAZING SPACER	6063-T5	YKK AP AMERICA
27	E2-0089	AS REQD.	FX. PANEL GLAZING SPACER	6063-T5	YKK AP AMERICA
28	E9-6117	1	FEMALE LOCK STILE	6063-T5	YKK AP AMERICA
28A	E9-6116	1	MALE LOCK STILE	6063-T5	YKK AP AMERICA
29	E1-1601	1	SILL TRACK COVER	6063-T5	YKK AP AMERICA
30	E3-1162	2/ MOV. PANEL	FX. PANEL STOP	POLYAMIDE 6	SECURED W/ (2) #8 X 1/2" PH TS
31	E1-1605	2/ MOV. PANEL	MOV. PANEL BLOCK	6063-T5	SECURED W/ (2) #8 X 1/2" PH TS
32	E1-1620	2/ MOV. PANEL	BALL BEARING ROLLER	6063-T5	SECURED W/ (2) #8 X 1/2" PH TS
33	MS-1850	1/ MOV. PANEL	MS LOCK ADJUST RITE	6063-T5	SECURED W/ (2) #10 FH SMS
34	E1-1618	1/ MOV. PANEL	STRIKE	6063-T5	SECURED W/ (2) #10 X 1-1/4" PH TS
35	E3-1161	1/ MOV. PANEL	PANEL GUIDE	POLYAMIDE 6	SECURED W/ #8 X 1/2" PH TS
36	H1302	1	PULL HANDLE	6063-T5	AT OXKO DOORS ONLY
37	E2-0709	1/ MOV. PANEL	SILL BUMPER	6063-T5	AT OXKO DOORS ONLY
38	E1-1623	AS REQD.	REINFORCING ANGLE	6063-T5	AT OXKO DOORS ONLY
39	E1-1622	AS REQD.	REINFORCING CLIP AT SILL LOCATION	6063-T5	AT OXKO DOORS ONLY

YKK EXTRUDED ALUMINUM ALLOY 6063-T5
 67,000 PSI
 F_u (BEARING) = 28,440 PSI
 PRODUCT REVIEWED
 In compliance with the Florida
 Building Code
 Approved by:
 Engineer Date: 02-10-07
 By: [Signature]
 Miami Residential Product Center
 Division

Enter: YIPING WANG
 Structures
 P.O. Box 9883
 C.A.N. 5538
 JAN 16 2008



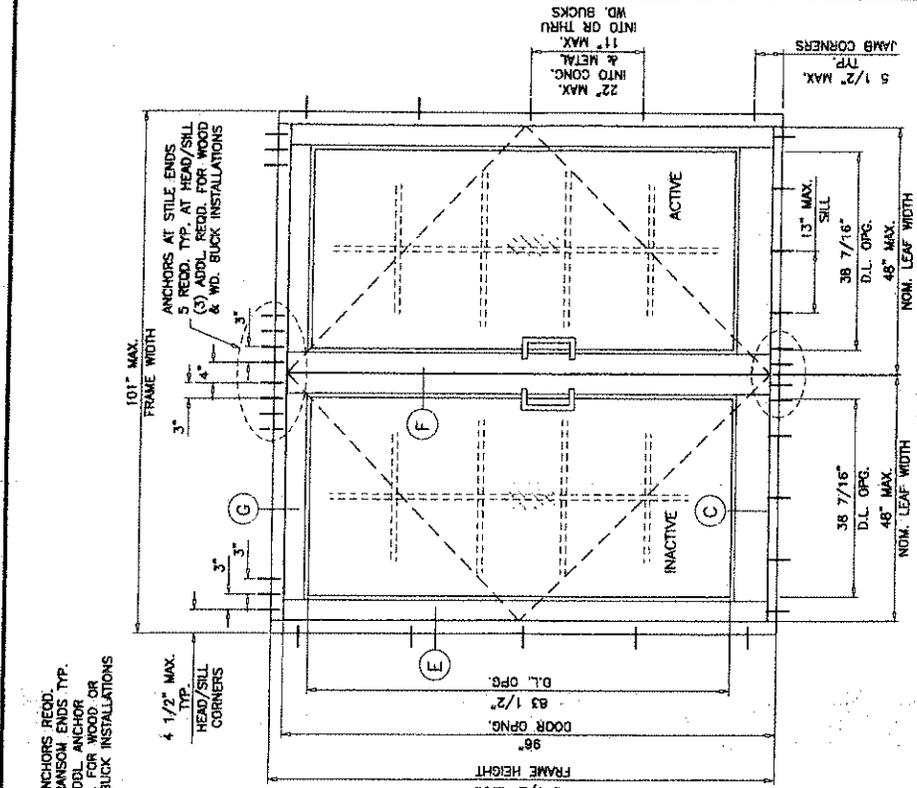


AL-FAROO CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1295 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100
 FAX. (305) 264-8878

YKK AP AMERICA INC.
 332 FIRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL. (478) 277-1956 FAX. (478) 277-1978

NO. 041109	DESCRIPTION
DATE	GENERAL REVISION
BY	
CHK. BY	

DATE: 04-16-07
 DRAWING NO.: W07-32
 SHEET OF 9



(4) ANCHORS REQD. AT TRANSOM ENDS TYP.
 (1) ADDL ANCHOR REQD. FOR WOOD OR WD. BUCK INSTALLATIONS ONLY

35H ALUMINUM OUTSWING ENTRANCE DOOR
 SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE (X) AND DOUBLE (XX) DOORS W/O TRANSOM.
 FOR DOORS WITH TRANSOM (O/X OR O/XX) SEE HORIZONTAL LOAD CAPACITY CHARTS ON SHEET 3
 LOWER VALUE RESULTING FROM DOOR CAPACITY CHART OR HORIZONTAL CAPACITY CHARTS WILL APPLY.
 DOORS CAN ALSO BE USED WITH VHS-50 STOREFRONT SYSTEM. FOR DOORS WITH STOREFRONT SYSTEM SEE SEPARATE APPROVAL FOR DOOR MILLION CAPACITY.
 THE LOWEST VALUE RESULTING FROM DOOR CAPACITY CHART, HORIZONTAL CHART, OR STOREFRONT APPROVAL WILL APPLY TO ENTIRE SYSTEM.
 USE THRESHOLD (C) FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.
 USE THRESHOLD (B) FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004/2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
 WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
 ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
 A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREENS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS, SHALL MEET THE REQUIREMENTS OF 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

THESE DOORS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

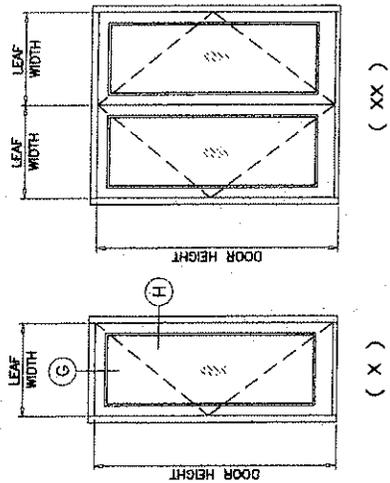
A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THE ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
 B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
 C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
 D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER (P.E.) WHO WILL BECOME THE ENGINEER OF RECORD (EOR) FOR THE PROJECT AND WHO SHALL BE RESPONSIBLE FOR THE DESIGN AND OTHER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A REGISTERED PROFESSIONAL ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
 E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

LAMINATED GLASS DRY GLAZED

F.B.C.
 Eng. ARSHAD VIGAR
 P.L.A. PE # 38863
 C.A.N. 3538
 APR 22 2009

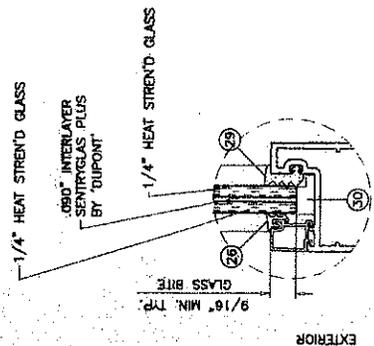
<p>AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1236 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL (305) 264-8100 FAX (305) 282-6978</p>	<p>YKR AP AMERICA INC. 332 FIRETOWER ROAD DUBLIN, GEORGIA 31021 TEL (478) 277-1955 FAX (478) 277-1978</p>	<p>REV: 04-18-07 BY: description GENERAL REVISION</p>	<p>date: 04-18-07 scale: 3/8" = 1' dr. By: HAMMO chk. By:</p>	<p>drawing no. W07-32 sheet 2 of 6</p>
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APR 22 2009
 Eng. ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538



SINGLE OR DOUBLE ENTRANCE DOORS W/O TRANSOM			
DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.	9/16" LAM. GLASS		
LEAF WIDTH INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(-)
30"	80"	70.0	90.0
36"	80"	70.0	90.0
42"	80"	70.0	90.0
48"	80"	70.0	90.0
30"	84"	70.0	90.0
36"	84"	70.0	90.0
42"	84"	70.0	90.0
48"	84"	70.0	90.0
30"	90"	70.0	90.0
36"	90"	70.0	90.0
42"	90"	70.0	90.0
48"	90"	70.0	90.0
30"	96"	70.0	90.0
36"	96"	70.0	90.0
42"	96"	70.0	90.0
48"	96"	70.0	90.0

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02/04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219



GLAZING DETAIL

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1238 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8300 FAX. (305) 262-6978

YKK AP
332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021
TEL. (478) 277-1955 FAX (478) 277-1978

date: 04-16-07
dr. by: MAHID
Model: -
NO DATE BY DESCRIPTION
04.13.09 GENERAL REVISION

drawing no. **W07-32**
Sheet 3 of 9

NOMINAL DIMS.		DESIGN LOAD CAPACITY - PSF			
OPNG. WIDTH INCHES	DOOR HEIGHT INCHES	HORIZONTAL-A EXT. INT. (-)	HORIZONTAL-B EXT. INT. (-)	HORIZONTAL-C EXT. INT. (-)	HORIZONTAL-D EXT. INT. (-)
60	30	90.0	90.0	90.0	90.0
	36	90.0	90.0	90.0	90.0
	40	90.0	90.0	90.0	90.0
72	24	90.0	90.0	90.0	90.0
	30	90.0	90.0	90.0	90.0
	36	90.0	90.0	90.0	90.0
	40	90.0	90.0	90.0	90.0
78	24	90.0	90.0	90.0	90.0
	30	90.0	90.0	90.0	90.0
	36	90.0	90.0	90.0	90.0
	40	90.0	90.0	90.0	90.0
84	24	90.0	90.0	90.0	90.0
	30	90.0	90.0	90.0	90.0
	36	90.0	90.0	90.0	90.0
	40	90.0	90.0	90.0	90.0
90	24	90.0	90.0	90.0	90.0
	30	90.0	90.0	90.0	90.0
	36	90.0	90.0	90.0	90.0
	40	90.0	90.0	90.0	90.0
96	24	90.0	90.0	90.0	90.0
	30	90.0	90.0	90.0	90.0
	36	90.0	90.0	90.0	90.0
	40	90.0	90.0	90.0	90.0

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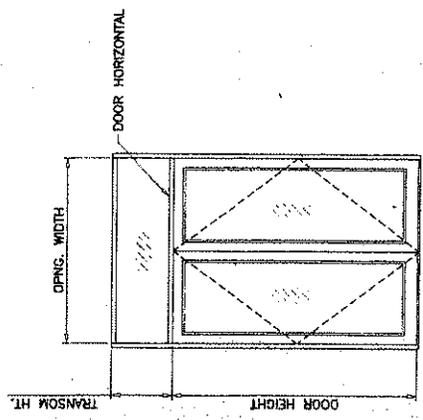
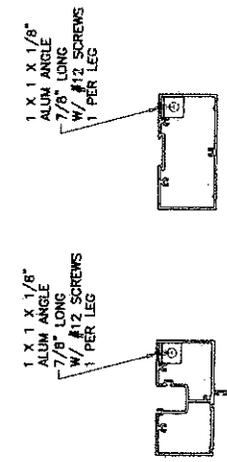
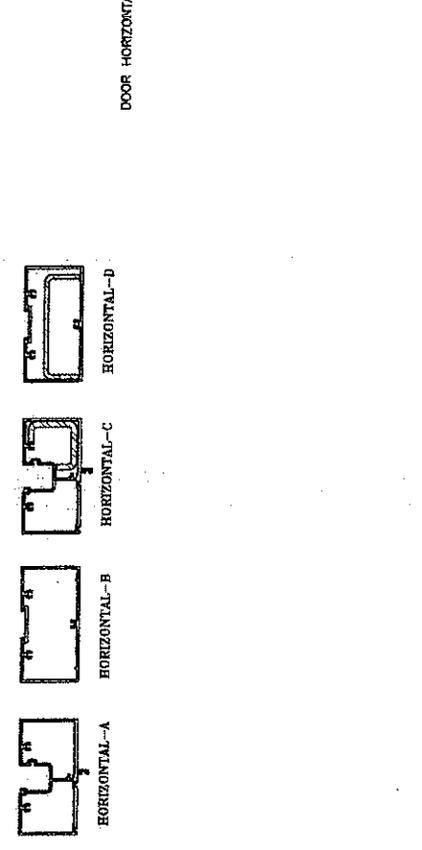
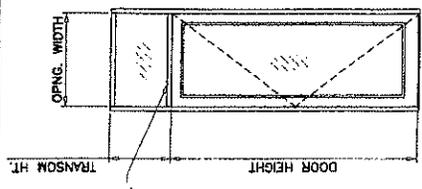
YKK AP
332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021
TEL. (478) 277-1955 FAX (478) 277-1978

date: 04-16-07
dr. by: MAHID
Model: -
NO DATE BY DESCRIPTION
04.13.09 GENERAL REVISION

drawing no. **W07-32**
Sheet 3 of 9

Emp. ASHMO. W07R
FLA. PE # 30863
C.A.N. 3538

APR 22 2009



* CLIP ANGLE CONNECTION RECD. AT EACH SIDE OF HORIZONTAL FOR THESE SIZES ONLY.

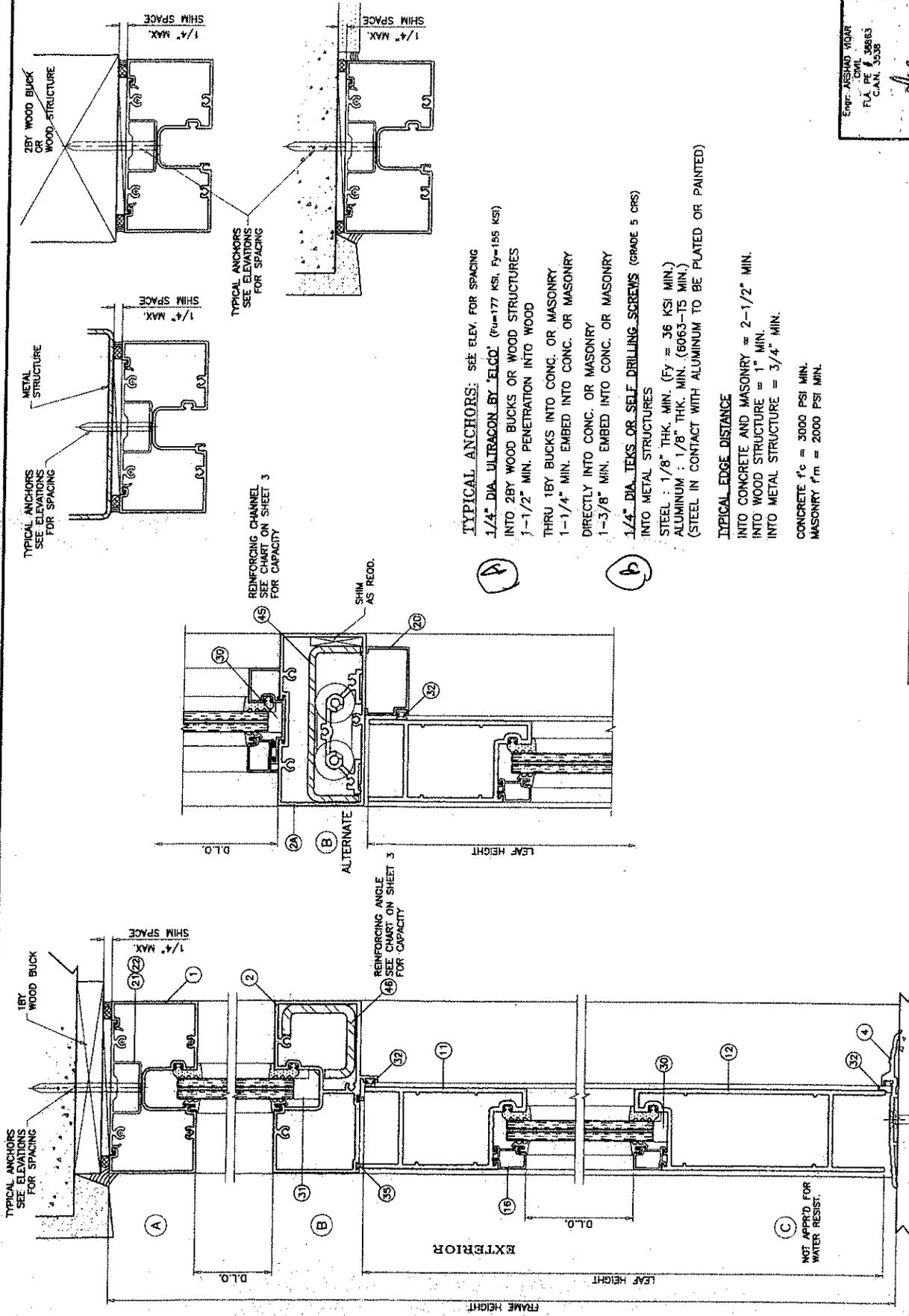
AL-FAROQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
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 FAX. (305) 262-6978
 COMP-ANL W07-32YK

YKK AP AMERICA INC.
 332 FIRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL. (478) 277-1955 FAX. (478) 277-1978

NO. 0418	BY DESCRIPTION
DATE	GENERAL REVISION
NO. 041809	
DATE	
NO. 041807	
DATE	
NO. 041807	
DATE	
NO. 041807	
DATE	

CHK BY: HAMD
 DR BY: HAMD
 SCALE: 3/8" = 1"
 NO. 041809
 DATE: 04-18-07
 DRAWING NO. W07-32
 SHEET 4 OF 9

APR 22 2009
 EMP: ARSHAD, IQBAL
 FLA. PE # 28683
 C.A.N. 3535



TYPICAL ANCHORS: SEE ELEV. FOR SPACING
 1/4" DIA. ULTRASON BY 'ELCO' (F_u=177 KSI, F_y=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-3/8" MIN. EMBED INTO CONC. OR MASONRY
 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO METAL STRUCTURES
 STEEL : 1/8" THK. MIN. (F_y = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 CONCRETE f_c = 3000 PSI MIN.
 MASONRY f_m = 2000 PSI MIN.

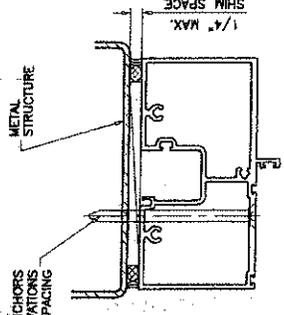
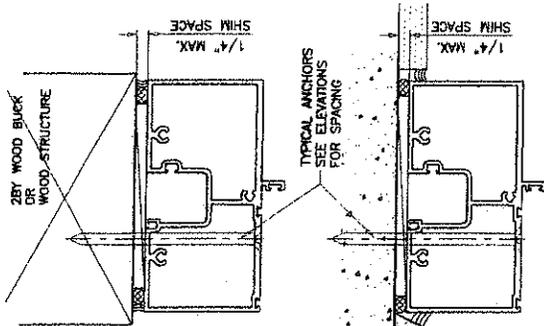
WOOD BUCKS AND METAL STRUCTURE NOT BY YKK AP
 MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
 AND TRANSFER THEM TO THE BUILDING STRUCTURE.

AL-FAROOD CORPORATION
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 TEL (305) 264-8300
 COMP-INTL W07-32YKX

YKK AP AMERICA INC.
 332 FIRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL (478) 277-1995 FAX (478) 277-1978

DATE	DESCRIPTION
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 SHEET 5 OF 9



LOCK OPTIONS SINGLE DOORS:

- OPTION #1:**
 3 POINT LOCK (YKK #P2150)
 WITH LOCK CYLINDER AT 32" TO 42" FROM BOTTOM.
 STD. PUSH/PULL BAR AT 45" FROM BOTTOM
 PUSH/PULL HANDLE SET (YKK #11113)
- OPTION #2:**
 DOR-O-MATIC 1490 SERIES (YKK #P2362)
 CONCEALED VERTICAL ROD TOUCH BAR EXIT DEVICE
 WITH KEY CYLINDER AT 42" FROM BOTTOM
 EXIT DEVICE PULL HANDLE SET (YKK #H1510)

LOCK OPTIONS DOUBLE DOORS:

- OPTION #1:**
 ACTIVE LEAF:
 3 POINT LOCK (YKK #P2150)
 WITH LOCK CYLINDER AT 32" TO 42" FROM BOTTOM.
 STD. PUSH/PULL BAR AT 45" FROM BOTTOM
 INACTIVE LEAF:
 2 POINT LOCK SYSTEM (YKK #P2151)
 WITH THUMB TURN AT 32" TO 42" FROM BOTTOM
 STD. PUSH/PULL BAR AT 45" FROM BOTTOM
 PUSH/PULL HANDLE SET (YKK #11113)
- OPTION #2:**
 ACTIVE LEAF:
 DOR-O-MATIC 1490 SERIES (YKK #P2362)
 CONCEALED VERTICAL ROD TOUCH BAR EXIT DEVICE
 WITH KEY CYLINDER AT 42" FROM BOTTOM
 EXIT DEVICE PULL HANDLE SET (YKK #H1510)
- INACTIVE LEAF:
 DOR-O-MATIC 1490 SERIES (YKK #P2362)
 CONCEALED VERTICAL ROD TOUCH BAR EXIT DEVICE
 WITH KEY CYLINDER AT 42" FROM BOTTOM
 EXIT DEVICE PULL HANDLE SET (YKK #H1510)

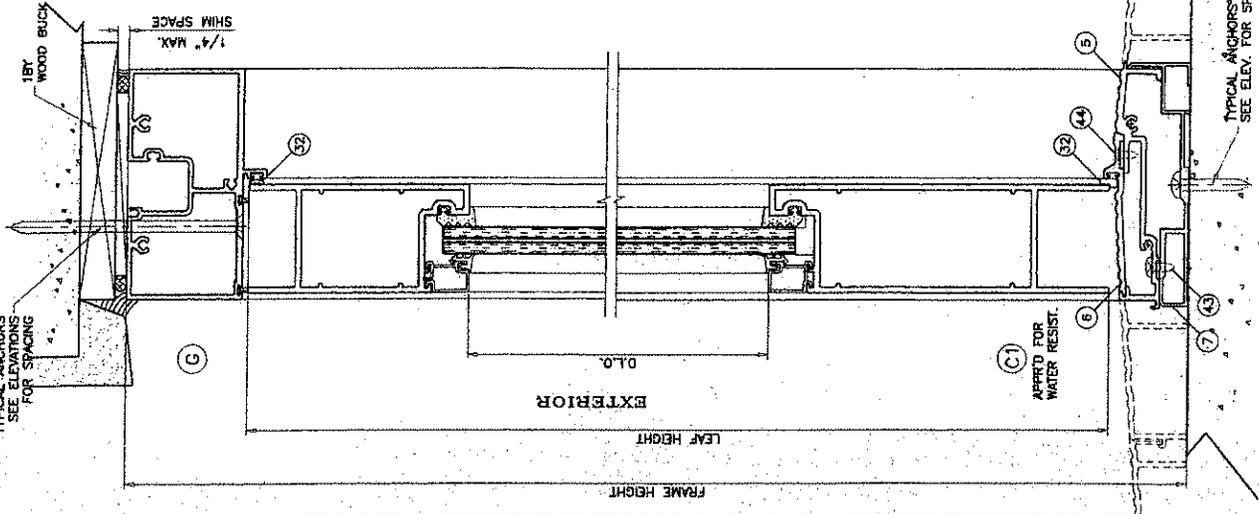
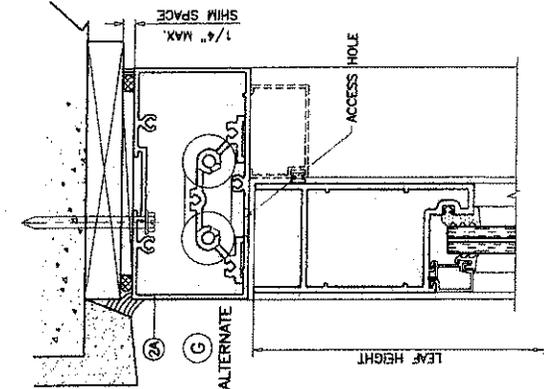
NOTE: LOCKS MUST BE ENGAGED DURING PERIODS OF HURRICANE WARNING.

SEALANTS:
 ALL FRAME CORNERS SEALED WITH TREMCO SPECTREM 2 OR DOW 795 SILICONE.

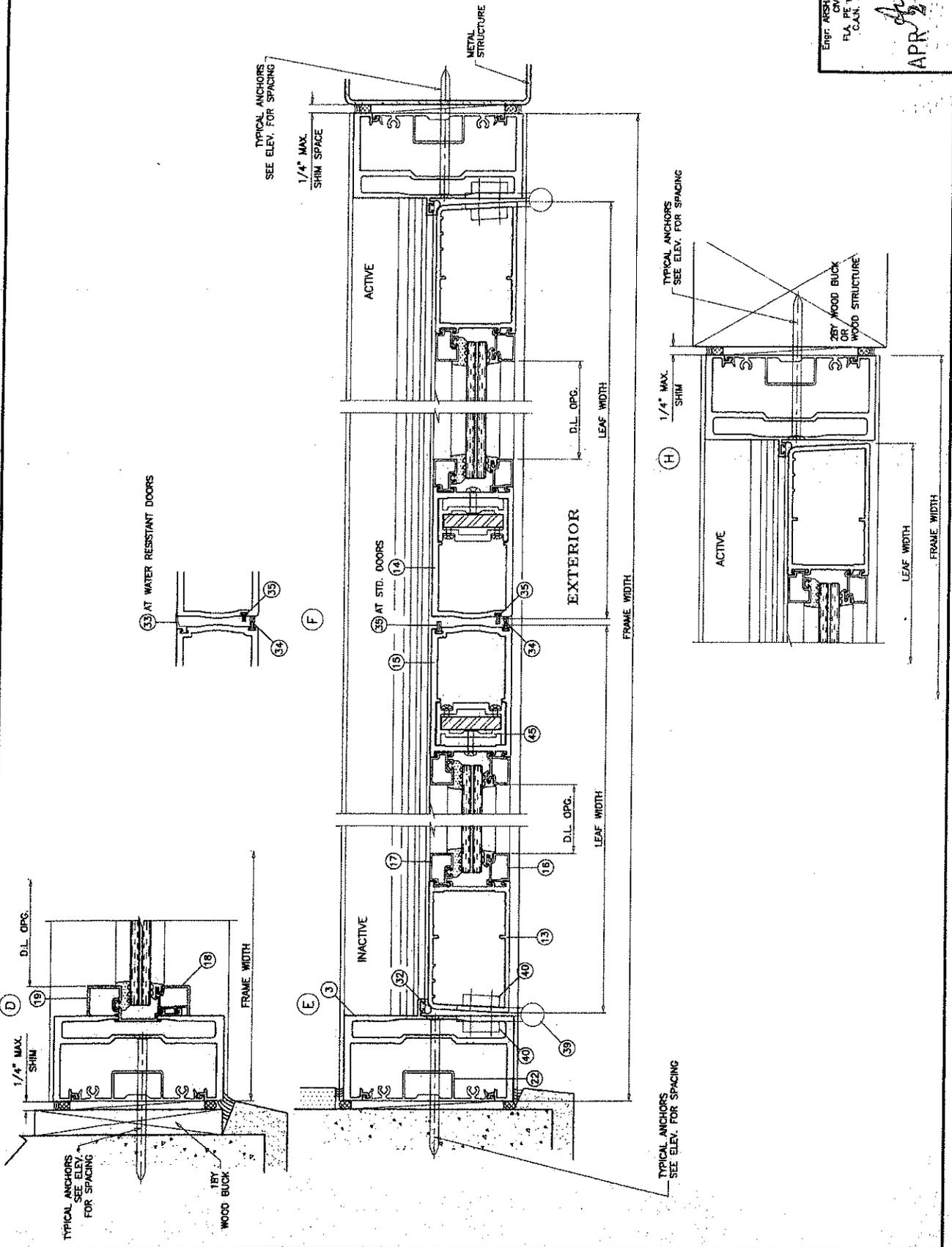
- HINGES:**
 4-1/2" X 4" ST. STEEL BUTT HINGES (YKK #H1300)
 AT 4" FROM TOP END, 7" FROM BOTTOM END
 AND ONE OR TWO EQUALLY SPACED.
 (3) PER LEAF FOR 90" DOOR HT. AND ≤ 36" LEAF WD.
 AND UP TO 48" LEAF WD.
 HINGE ATTACHED TO DOOR FRAME AND DOOR STILE USING (4) #12-24 X 1/2" FH MS THAT PASS THRU DOOR MEMBER AND THREAD INTO 5/16" ALUMINUM BACKUP PLATE.

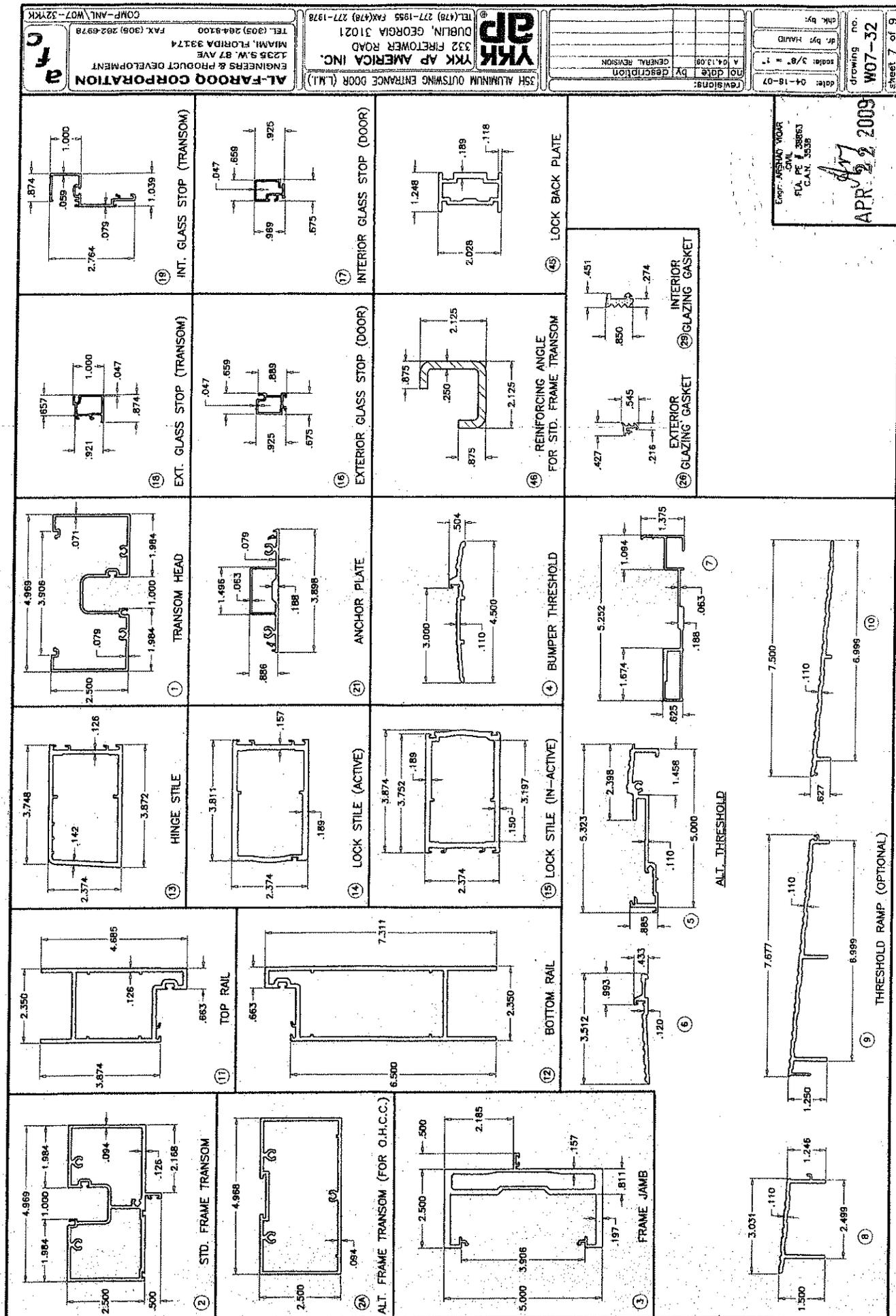
Engr. ARSHAD VIKAR
 F.L.A. P.E. #138863
 C.A.N. 5038

APR 22 2009
 W07-32



AL-FAROQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL (305) 264-8100 FAX (305) 262-6979 COMP-ANL\W07-32YKK	YKK AP 332 FIRETOWER ROAD DUBLIN, GEORGIA 31021 TEL (478) 277-1955 FAX (478) 277-1878	REVISIONS: NO. DATE BY DESCRIPTION 1 04.13.09 GENERAL REVISION	DATE: 04-18-07 SCALE: 3/8" = 1" DR. BY: HAYAD CHK. BY:	DRAWING NO: W07-32 SHEET 6 OF 9
		JSH ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)		





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 COMP-ANL W07-32YK

YRK AP AMERICA INC.
 332 FIRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL: (478) 277-1955 FAX: (478) 277-1978

35H ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)
 NO DATE
 A 04.13.08
 GENERAL REVISION

date: 04-18-07
 drawing no: W07-32
 sheet: 7 of 9

Exp: JESHAQ VIQAR
 CIVIL
 F.I.A. PE # 38863
 C.A.N. 5536
 APR 22 2009

Engr. ANSHU VIKAR
 RIA, P.E. # 38983
 C.A.N. 3538
 APR 22 2009
 drawing no. W07-32
 sheet 8 of 9

DATE	04-16-07
BY	GENERAL REVISION
NO.	1
DESCRIPTION	
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DESCRIPTION	

YKK AP AMERICA INC.
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COMP-ANT-W07-32YKAK

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E9-0601	1	FRAME HEAD	6063-T5	YKK AP AMERICA
2	E9-0501	AS REQD.	FRAME TRANSOM	6063-T5	YKK AP AMERICA
2A	E9-0514	AS REQD.	ALT. FRAME TRANSOM	6063-T5	YKK AP AMERICA
3	E9-0504	2	FRAME JAMB	6063-T5	YKK AP AMERICA
4	E9-0487	1	BUMPER THRESHOLD	6063-T5	YKK AP AMERICA
5	E9-0502	1	ALT. THRESHOLD	6063-T5	YKK AP AMERICA
6	E9-0503	1	THRESHOLD ATTACHMENT	6063-T5	YKK AP AMERICA
7	E9-0616	1	SILL FLASHING	6063-T5	YKK AP AMERICA
8	E9-0513	AS REQD.	RAMP PIECE 1	6063-T5	YKK AP AMERICA
9	E9-0512	AS REQD.	RAMP PIECE 2	6063-T5	YKK AP AMERICA
10	E9-0511	AS REQD.	RAMP PIECE 3	6063-T5	YKK AP AMERICA
11	E9-0220	1/ LEAF	TOP RAIL	6063-T5	YKK AP AMERICA
12	E9-0221	1/ LEAF	BOTTOM RAIL	6063-T5	YKK AP AMERICA
13	E9-0222	1 OR 2/ LEAF	HINGE STILE	6063-T5	YKK AP AMERICA
14	E9-0223	1	LOCK STILE (ACTIVE) ● DOUBLE DOORS	6063-T5	YKK AP AMERICA
15	E9-0230	1	LOCK STILE (IN-ACTIVE) ● DOUBLE DOORS	6063-T5	YKK AP AMERICA
16	E9-0225	4/ LEAF	EXTERIOR GLASS STOP (DOOR)	6063-T5	YKK AP AMERICA
17	E9-0226	2/ LEAF	INTERIOR GLASS STOP (DOOR)	6063-T5	YKK AP AMERICA
18	E9-0506	AS REQD.	EXTERIOR GLASS STOP (TRANSOM JAMB)	6063-T5	YKK AP AMERICA
19	E9-0605	AS REQD.	INTERIOR GLASS STOP (TRANSOM JAMB)	6063-T5	YKK AP AMERICA
20	E9-0215	1/ DOOR	DOOR STOP	6063-T5	YKK AP AMERICA
21	E1-1071	AS REQD.	ANCHOR PLATE (HEAD CORNER & MTG. STILE ANCHOR LOCATION), 11" LONG	6063-T5	YKK AP AMERICA
22	E1-1088A	AS REQD.	ANCHOR PLATE (HEAD/JAMB), 2-1/2" LONG	6063-T5	YKK AP AMERICA
23	E1-0351	1/ LEAF	TOP RAIL JOINT CLIP, 2.453" LONG	6063-T5	YKK AP AMERICA
23A	E1-0352	1/ LEAF	BOTTOM RAIL JOINT CLIP, 4.518" LONG	6063-T5	YKK AP AMERICA
26	E2-0083	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	
29	E2-0088	AS REQD.	INTERIOR GLAZING GASKET	EPDM SPONGE	
30	E2-0086	3/ LEAF	SETTING BLOCK (DOOR)	EPDM	
31	E2-0080	AS REQD.	SETTING BLOCK (TRANSOM)	EPDM	
32	E2-0051	AS REQD.	BULB W/STRIPPING	PVC	
33	E2-0093	AS REQD.	ASTRAGAL GASKET	EPDM	FOR WATER RESISTANT DOORS ONLY
34	E2-0087	AS REQD.	PILE W/STRIPPING	-	
35	E2-0062	AS REQD.	PILE W/STRIPPING	-	
37	E1-0311	2/ LEAF	BACK PLATE FOR SHEAR BLOCK TOP	STEEL	
38	E1-0312	2/ LEAF	BACK PLATE FOR SHEAR BLOCK BOTTOM	STEEL	
39	H-2301	3 OR 4/ LEAF	BUTT HINGE KIT INCLUDING SCREWS	ST. STEEL	SEE SHEET 6 FOR QUANTITY
40	E1-0357	3 OR 4/ LEAF	HINGE BACKER PLATE	6063-T5	SEE SHEET 6 FOR QUANTITY
42	PC-1218	AS REQD.	FRAME ASSEMBLY SCREWS	STEEL	#12 X 1" PH SMS
43	PC-1408	2	THRESHOLD SCREWS	STEEL	#14 X 1/2" PH SMS
44	FC 1008	AS REQD.	THRESHOLD SCREWS	STEEL	#10 X 1/2" PH SMS
45	E9-0231	AS REQD.	LOCK BACK PLATE, 7-1/4" LONG	6063-T5	
46	E1-	AS REQD.	REINFORCING ANGLE	STEEL	
47	E1-1055	2	THRESHOLD CLIP	STEEL	3--1/8" X 2" X 12 GA., 1-1/4" LONG

ALUMINUM ALLOY 6063-T5, FB = 29.44 KSI FOR YKK AP AMERICA PRODUCTS

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NO. 0018	BY DESCRIPTION
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date: 04-16-07
 scale: 3/8" = 1"
 dr. by: HAMID
 chg. by:
 drawing no. **W07-32**
 sheet 9 of 9

Engr. ARSHAD VOOR
 CIVIL ENGR
 P.E. #3863
 C.A.N. 0338
 APR 22 2009

